11-08-2024 LETTING ITEM 142

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGES OF PALATINE, ARLINGTON HEIGHTS, AND ROLLING MEADOWS IN COOK COUNTY

TRAFFIC DATA

ADT:
IL RTE. 53 = 122,400 (2021)
KIRCHOFF RD. = 8,800 (2018)
INDUSTRIAL AVE. = 5,300 (2018)
US RTE. 14 (NW HWY.) = 16,500 (2021)
PALATINE RD. = 37,600 (2021)
ANDERSON DR. = 1,800 (2018)

POSTED SPEED

IL RTE. 53 = 55 MPH
KIRCHOFF RD. = 35 MPH
INDUSTRIAL AVE. = 30 MPH
US RTE. 14 (NW HWY.) = 40 MPH
PALATINE RD. = 45 MPH
ANDERSON DR. = 30 MPH

DESIGN SPEED

IL RTE. 53 = 55 MPH
KIRCHOFF RD. = 35 MPH
INDUSTRIAL AVE. = 30 MPH
US RTE. 14 (NW HWY.) = 40 MPH
PALATINE RD.= 45 MPH
ANDERSON DR. = 30 MPH

FUNCTIONAL CLASSIFICATION

IL RTE. 53 = FREEWAY OR EXPRESSWAY
KIRCHOFF RD. = MINOR ARTERIAL
INDUSTRIAL AVE. = MAJOR COLLECTOR
US RTE. 14 (NW HWY.) = MINOR ARTERIAL
PALATINE RD. = OTHER PRINCIPAL ARTERIAL
ANDERSON DR. = LOCAL ROAD OR STREET

100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAP ROUTE 342 (IL ROUTE 53)
VARIOUS BRIDGE AND CULVERT REPLACEMENTS AND ROADWAY RESURFACING
SECTION (531) BR 23
FEDERAL PROJECT NO.: NHPP-BRWL(799)
STRUCTURE REHABILITATION
COOK COUNTY
C–91–136–24

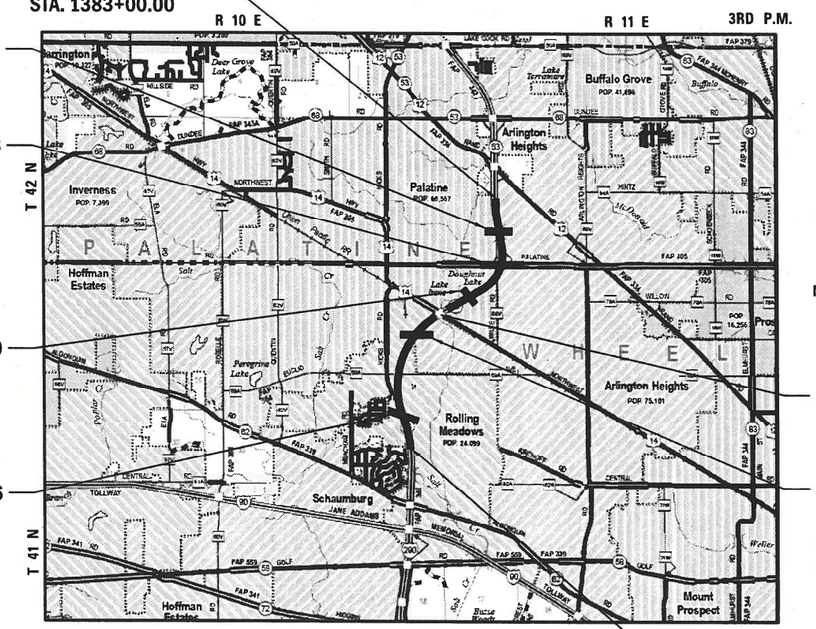
END IMPROVEMENT
STA. 1383+00.00

STRUCTURE #016-0372
IL RTE. 53 OVER
ANDERSON ROAD

STRUCTURE #016-0373
& #016-0970
IL RTE. 53 OVER
PALATINE ROAD

STRUCTURE #016-0200
IL RTE. 53 OVER
ARLINGTON HEIGHTS
BRANCH OF
SALT CREEK

STRUCTURE #016-0376
& #016-1121
IL RTE. 53 OVER
KIRCHOFF ROAD



COOK COUNTY

US RTE. 14 OMISSION
STA. 1277+82.49 TO
STA. 1288+18.41

STRUCTURE #016-0375
& #016-1120
IL RT. 53 OVER
INDUSTRIAL AVENUE

BEGIN IMPROVEMENT
STA. 1185+00.00

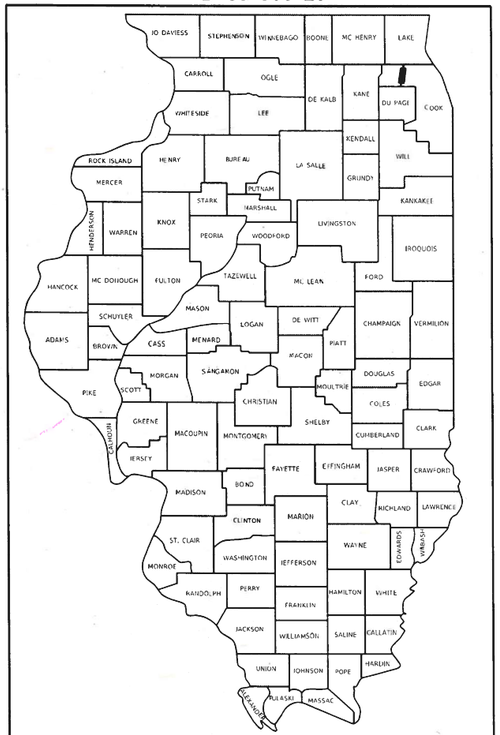
PROJECT ENGINEER: FIRAS UDDIN (847)705–4552
PROJECT MANAGER: MATTHEW ROTHENBERG, P.E. (847)705–4230
CONTRACT NO.: 62W38

GROSS LENGTH = 19,800 FT. = 3.75 MILE
NET LENGTH = 19,800 FT. = 3.75 MILE

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	1
	ILLINOIS	CONTRACT NO.: 62W38		

∗ 1211 + 7 = 1218 TOTAL SHEETS
∗∗ 1218 + 15 = 1233 TOTAL SHEETS

D–91–144–21



LOCATION OF SECTION INDICATED THUS: –

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Aug 13th 2024 IR
REGIONAL ENGINEER

October 4, 2024
ENGINEER OF DESIGN AND ENVIRONMENT

October 4, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

1 REVISED SHEET 10/31/2024

REV-SEP

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PROFESSIONAL SEALS
3	INDEX OF SHEETS/STANDARDS
4	GENERAL NOTES
5-34	SUMMARY OF QUANTITIES
35-62	TYPICAL SECTIONS
63-75	SCHEDULE OF QUANTITIES
76-90	ALIGNMENT, TIES, AND BENCHMARKS
91-115	REMOVAL PLAN SHEETS
116-140	ROADWAY PLAN SHEETS
141-147	ROADWAY PROFILE SHEETS
148-173	ROADWAY RESURFACING PLAN SHEETS
174-178	ROADWAY DETAIL SHEETS
179-181	MAINTENANCE OF TRAFFIC GENERAL NOTES
182-214	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
215-333	MAINTENANCE OF TRAFFIC PLAN
350-353	DETOUR PLAN
354-357	TEMPORARY DRAINAGE PLAN
358	TEMPORARY DRAINAGE DETAILS
359	TEMPORARY EROSION AND SEDIMENT CONTROL NOTES
360-380	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
381-385	DRAINAGE REMOVAL PLAN
386-394	PROPOSED DRAINAGE AND UTILITY PLAN AND PROFILE SHEETS
395	DRAINAGE SCHEDULES
396-409	BRIDGE APPROACH DETAILS
410-411	INTERSECTION DETAILS
412-420	CURB RAMP DETAILS
421-442	PAVEMENT MARKING PLAN
443-454	SIGNING PLAN
455-467	OVERHEAD SIGN STRUCTURES DETAILS
468-474	SIGNING DETAILS
475-495	PERMANENT EROSION AND SEDIMENT CONTROL AND LANDSCAPING PLAN
496-530	TRAFFIC SIGNAL PLAN
531-601	LIGHTING PLAN
602-685	ITS PLAN
686-758	IL 53 OVER KIRCHOFF ROAD STRUCTURE PLANS (S.N. 016-0376 & 016-1121)
759-813	IL 53 OVER INDUSTRIAL AVENUE STRUCTURE PLANS (S.N. 016-0375 & 016-1120)
1 813A-813D	IL 53 OVER US 14 (NORTHWEST HIGHWAY), COMMUTER DRIVE, AND UPRR DECK REPAIR PLAN (S.N. 016-0374 & 016-1119)
814-818	IL 53 OVER TRIBUTARY BRANCH OF SALT CREEK (S.N. 016-0200)
819-897	IL 53 OVER PALATINE ROAD STRUCTURE PLANS (S.N. 016-0373 & 016-0970)
898-913	PALATINE ROAD RETAINING WALL UNDER IL 53 (S.N. 016-W2502)
914-949	IL 53 OVER ANDERSON ROAD STRUCTURE PLANS (S.N. 016-0372)
950-969	IDOT DISTRICT ONE DETAILS
970-1211	CROSS SECTIONS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420111-04	PCC PAVEMENT ROUNDOUTS
420201-12	ENTRANCE RAMP TERMINAL
420301-09	EXIT RAMP TERMINAL
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
421001-03	BAR REINFORCEMENT FOR CRC PAVEMENT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442001-04	CLASS A PATCHES
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURACING
515001-03	NAME PLATES FOR BRIDGES
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET - TYPE A
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604051-04	FRAME AND GRATE TYPE 11
604056-04	FRAME AND GRATE TYPE 11V
604071-07	FRAME AND GRATE TYPE 20
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
610001-09	SHOULDER INLET WITH CURB
630001-13	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
637006-05	CONCRETE BARRIER DOUBLE FACE, 44 IN. (1120 mm) HEIGHT
1 664001-02	CHAIN LINK FENCE
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, >15' AWAY
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS DAY ONLY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTI-LANE AT ENTRANCE OR EXIT RAMPS FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTI-LANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≤ 40 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720021-02	SIGN PANELS, EXTRUDED ALUMINUM TYPE
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES

IDOT DISTRICT ONE STANDARD DETAILS

BD03	OUTLET FOR CONCRETE CURB AND GUTTER
BD08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD27	CONCRETE BARRIER TRANSITION & GENERAL DETAILS, CONCRETE BARRIER BASE
BD32	BUTT JOINTS AND HMA TAPER
BD34	DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL
BD51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BE301	LIGHT POLE FOUNDATION, 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
BE305	LIGHT POLE FOUNDATION, METAL
BE322	24" (609.6 mm) DIA. LIGHT POLE FOUNDATION INTEGRAL WITH DOUBLE FACE BARRIER WALL
BE330	LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL, 15" BOLT CIRCLE
BE400	ALUMINUM LIGHT POLE 47'-6" (14.478m) MOUNTING HEIGHT
BE701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE702	MISC. ELECTRICAL DETAILS SHEET A
BE703	MISC. ELECTRICAL DETAILS SHEET B
BE800	TEMPORARY LIGHT POLE
BE801	TEMPORARY AERIAL CABLE INSTALLATION
BE901	SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS
TC08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
1 TC11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC13	TYPICAL PAVEMENT MARKINGS
TC14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC18	FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS
1 TC21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC22	ARTERIAL ROAD INFORMATION SIGN
TC25	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE
TC26	DRIVEWAY ENTRANCE SIGNING
TS05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (7 SHEETS)

1 REVISED SHEET 10/29/2024

MODEL: Default
FILE NAME: S:\IDL\6300-6399\6346\113\Drawings\CAD\Micros-SS4\CAD_Sheets\C3-D162N91-sht-index.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	3
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

GENERAL NOTES

1. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
2. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM AND IS RESPONSIBLE FOR ANY DAMAGE CAUSED.
5. THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.
6. 48 HOURS PRIOR TO THE START OF ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E., COOK COUNTY FOR VERIFICATION OF ALL UTILITY LOCATIONS IN THE FIELD.
7. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AND THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT CARLOS.MUNO@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
8. THE CONTRACTOR SHALL COORDINATE WITH ALL ABOVE AND UNDERGROUND UTILITY COMPANIES IF UTILITIES NEED TO BE RELOCATED.
9. THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
10. THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS MAINTAINED AT ALL TIMES DURING AND AFTER THE CONSTRUCTION.
11. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
12. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
13. THE FRAMES AND LIDS OF EXISTING UTILITY OR DRAINAGE STRUCTURES WITHIN THE LIMITS OF THIS IMPROVEMENT PROJECT THAT ARE NOT NOTED ON THE PLANS FOR REPLACEMENT OR RECONSTRUCTION SHALL BE ADJUSTED TO MATCH THE PROPOSED ROADWAY GRADES. THE FRAMES AND LIDS OF PRIVATE UTILITY STRUCTURES SHALL BE ADJUSTED BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT. HOWEVER, THE CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY OWNERS TO HAVE ADJUSTMENTS PERFORMED.
14. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR CATCH BASINS. CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET SHALL BE PREPARED AT ALL TIME TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT ROADSIDE DRAINAGE SYSTEM IS BUILT AND IN SERVICE.
15. PROPOSED END SECTIONS SHALL BE SLOPED TO MATCH THE PROPOSED CULVERTS AND STORM SEWER PIPE SLOPES. STORM SEWER PIPE LENGTHS IN SCHEDULES INCLUDE THE LENGTH OF END SECTION WHERE APPLICABLE. DRAINAGE STRUCTURE GRADES SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. DRAINAGE STRUCTURES MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS. ANY ADJUSTMENT SHALL BE AS DIRECTED BY THE ENGINEER. PROPOSED RIM ELEVATIONS SHOWN FOR DRAINAGE STRUCTURES IN THE GUTTER REFERENCE THE PROPOSED BOTTOM OF GUTTER ELEVATION.
16. UNLESS OTHERWISE NOTED, LOCATIONS SHOWN ON THE PLANS ARE TO THE FACE OF CURB FOR GRATES IN THE CURB AND GUTTER AND TO THE CENTER OF THE GRATE/LID FOR ALL OTHER STRUCTURES. FLAT TOPS AND CONES ARE TO BE TURNED SO THAT THE FRAME IS CLOSEST TO THE CENTER LINE OF THE ROAD, UNLESS OTHERWISE NOTED ON THE STRUCTURE IN THE PLANS. ALL FLAT TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.
17. ALL SUBSURFACE DRAINS ENCOUNTERED IN THE ROADWAY EXCAVATION SHALL BE REMOVED AND CONSIDERED TO BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAPPING THE EXISTING SUBSURFACE DRAINS OR AS DIRECTED BY THE OWNER.
18. THE PROPOSED DRAINAGE STRUCTURES AND PIPES SHALL BE PROTECTED IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACES THAT DRAIN TO THEM ARE FULLY PAVED OR VEGETATED.
19. ALL SIGN RELOCATIONS AND PROPOSED SIGNS SHALL BE PLACED IN THE LOCATION INDICATED IN THE SIGN SCHEDULE IN THE SCHEDULE OF QUANTITIES. ALL SIGNS SHALL BE INSTALLED ACCORDING TO THE MUTCD, THE ILLINOIS SUPPLEMENT TO THE MUTCD, AND THE STANDARD SPECIFICATIONS.
20. IT IS ASSUMED THAT THE TOP 6" OF THE EXISTING GROUND OUTSIDE THE PAVEMENT SHALL BE EXCAVATED AND RE-SPREAD. QUANTITIES FOR THIS WORK ARE INCLUDED IN TOP SOIL EXCAVATION AND PLACEMENT.
21. THE REMOVAL AND REPLACEMENT AREAS SHOWN ON THE PLANS ARE ESTIMATED FROM THE BORINGS INFORMATION. THE ACTUAL EXTENT OF THE REMOVAL AND REPLACEMENT SHALL BE DETERMINED AND EITHER VERIFIED OR ADJUSTED TO THE CONDITIONS ENCOUNTERED IN THE FIELD AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR.
22. TEN FOOT TRANSITIONS SHALL BE USED TO TRANSITION PROPOSED CURB AND GUTTER AND MEDIAN ITEMS TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE TYPE OF COMBINATION CONCRETE CURB AND GUTTER.
23. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
24. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
25. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
26. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
27. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
28. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
29. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
30. THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, ARTERIAL TRAFFIC FIELD ENGINEER VIA EMAIL AT FADI.SULTAN@ILLINOIS.GOV AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
31. THE RESIDENT ENGINEER SHALL CONTACT YASER ALZUBI, EXPRESSWAY TRAFFIC FIELD ENGINEER VIA EMAIL AT YASER.ALZUBI@ILLINOIS.GOV AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
32. CONTRACTOR SHALL NOTIFY THE IDOT ROADSIDE DEVELOPMENT UNIT (847) 705-4171 ONE WEEK PRIOR TO LANDSCAPE INSTALLATION FOR LAYOUT OF TREES.
33. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

COMMITMENTS

1. NONE.

1 REVISED SHEET 10/29/2024

UNION PACIFIC RAILROAD GENERAL NOTES

1. WITHIN THESE NOTES, THE UNION PACIFIC RAILROAD SHALL BE REFERRED TO AS THE "RAILROAD".
2. A CONTRACTOR'S RIGHT-OF-ENTRY PERMIT IS REQUIRED BEFORE ANY WORK CAN COMMENCE ON RAILROAD PROPERTY. THE COST TO OBTAIN THIS PERMIT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
3. NO DISRUPTIONS OF RAILROAD OPERATIONS WILL BE PERMITTED.
4. ALL WORK WITHIN 25 FEET OF THE NEAREST TRACK WILL REQUIRE A RAILROAD FLAGMAN. TO SCHEDULE A FLAGMAN FOR WORK ON A COMMUTER LINE, CALL CANDICE MILLER AT (312) 496-4738, A MINIMUM 72 HOURS IN ADVANCE OF START OF WORK. TO SCHEDULE A FLAGMAN FOR WORK ON FREIGHT LINES, CALL DARYL CLARK AT (708) 649-5273, A MINIMUM OF 72 HOURS IN ADVANCE OF START OF WORK.
5. WORK WINDOWS WITHIN THE 25 FOOT ZONE ARE ONLY AVAILABLE FROM 9:00 AM - 3:00 PM, MONDAY THROUGH FRIDAY. NIGHT WORK WINDOWS ARE AVAILABLE FROM 8:00 PM - 4:00 AM. PLEASE PROVIDE AT LEAST 72 HOURS OF ADDITIONAL NOTICE WHEN REQUESTING TO WORK AT NIGHT TO ENSURE APPROPRIATE FLAGGING COVERAGE. EXTENDED WORK WINDOWS MAY BE AVAILABLE ON THE WEEKENDS. NOT WITHSTANDING THE FORGOING, DUE TO INTERSTATE FREIGHT TRAIN AND COMMUTER PASSENGER TRAIN OPERATIONS AND SCHEDULES ALL WORK WINDOWS WITHIN THE TIMES LISTED ABOVE ARE SUBJECT TO ON SITE UNILATERAL ADJUSTMENT OR DENIAL FROM THE RAILROAD'S LOCAL FIELD MANAGER AND/OR CORRIDOR MANAGER. THIS MAY RESULT IN DENIAL OR ADJUSTMENT OF ACCESS FOR ANY AND ALL CONTRACTORS, SUBCONTRACTORS AND MATERIAL MEN DURING WORK WINDOWS.
6. NO UN-USED WORK EQUIPMENT WILL BE ALLOWED TO REMAIN ON THE RAILROAD'S COMMUTER PLATFORM IF PRESENT.
7. ERECTION OVER THE RAILROAD'S RIGHT-OF-WAY SHALL BE DESIGNED TO CAUSE NO INTERRUPTIONS TO RAILROAD'S OPERATIONS. ERECTION OVER THE RAILROAD'S TRACK SHALL BE DEVELOPED SUCH THAT IT ENABLES THE TRACK(S) TO REMAIN OPEN TO TRAIN TRAFFIC PER RAILROAD'S REQUIREMENTS.
8. MINIMUM CONSTRUCTION CLEARANCE ENVELOPE OF 21 FEET VERTICAL ABOVE THE PLAN OF TOP-OF-RAIL AND 12 FEET HORIZONTAL AT RIGHT ANGLE FROM CENTERLINE OF TRACK SHALL BE MAINTAINED AT ALL TIME DURING CONSTRUCTION.
9. FALSEWORK CLEARANCE SHALL COMPLY WITH THE RAILROAD'S MINIMUM CONSTRUCTION CLEARANCE ENVELOPE.
10. FOR RAILROAD COORDINATION PLEASE REFER TO THE RAILROAD MINIMUM REQUIREMENTS AS PART OF SPECIAL PROVISIONS.
11. THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SETTLEMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.
12. THE PROPOSED GRADE SEPARATION PROJECT SHALL NOT CHANGE THE QUANTITY AND/OR CHARACTERISTICS OF THE FLOW IN THE RAILROAD DITCHES AND/OR DRAINAGE STRUCTURES.
13. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFIED BEFORE BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD PRIOR TO CONSTRUCTION.
14. THE FOLLOWING ITEMS SHALL BE COMPLETED PRIOR TO THE CONTRACTOR COMMENCING WORK ON UPRR PROPERTY:

    THE CONTRACTOR MUST CONTACT A FLAGGING COMPANY DIRECTLY AND SCHEDULE FLAGGERS TO BE PRESENT DURING THE CONTRACTOR'S WORK OPERATIONS. BELOW IS A LINK TO INFORMATION ON THIRD-PARTY APPROVED UPRR FLAGGING COMPANIES:

    HTTPS://WWW.UP.COM/REAL_ESTATE/THIRD-PARTY-FLAGGING/INDEX.HTM

    THE CONTRACTOR AND SUB-CONTRACTOR(S) SHALL PARTICIPATE IN A SHORT PRE-CONSTRUCTION MEETING WITH REPRESENTATIVES OF THE ENGINEER AND THE UPRR. THE TOPICS TO BE DISCUSSED INCLUDE, BUT ARE NOT LIMITED TO, FLAGGING, TRAFFIC CONTROL, SAFETY, AND BADGING REQUIREMENTS.

    ALL CONTRACTOR AND SUB-CONTRACTOR EMPLOYEES THAT INTEND TO ACCESS THE UPRR ROW MUST SUCCESSFULLY COMPLETE ERAILSAFE TRAINING. THE CONTRACTOR AND SUB-CONTRACTOR(S) SHALL PROVIDE COPIES OF EACH EMPLOYEE'S SUCCESSFULLY COMPLETED TRAINING CERTIFICATE TO THE APPROPRIATE UPRR REPRESENTATIVE. BELOW IS A LINK TO INFORMATION ON THE ERAILSAFE TRAINING:

    HTTPS://WWW.UP.COM/ABOUTUP/COMMUNITY/SAFETY/ERAILSAFE/UP-PAT/INDEX.HTM

    THE AUDIT NUMBER REFERENCED IN THE TRAINING IS THE REMS/PROJECT NUMBER AT THE TOP RIGHT ON THE MAINTENANCE CONSENT LETTER INCLUDED IN THE SPECIAL PROVISIONS.

UP's Important Links

Link to NEW UPRR Public Projects Manual:	https://www.up.com/cs/groups/public/@uprr/corprel/documents/up_pdf_nativedocs/pdf_up_public_projects_manual.pdf
(Start ALL new projects & Crossing Maintenance here) Public Projects Contact Portal:	https://benesch.quickbase.com/db/bpqhu6hgy?a=dbpage&pageid=13
Public Project Information:	http://www.up.com/real_estate/roadxing/industry/index.htm
Contractor Safety Requirements:	http://www.up.com/suppliers/contractor-safety/index.htm
Real Estate/Utility Information:	http://www.up.com/real_estate/utilities/index.htm
Right of Entry Application:	http://www.up.com/real_estate/tempuse/index.htm
Technical Specifications for Construction of Industrial Tracks:	http://www.uprr.com/aboutup/operations/specs/track/index.shtml
Public Safety Information:	http://www.upcares.com

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
	20101000	TEMPORARY FENCE	FOOT	24,301	24,301						
+	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	3	3						
	20101700	SUPPLEMENTAL WATERING	UNIT	83	83						
	20200100	EARTH EXCAVATION	CU YD	48,933	48,933						
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	24,020	24,020						
	20400800	FURNISHED EXCAVATION	CU YD	100	100	1					
	20800150	TRENCH BACKFILL	CU YD	27	27						
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	24,410	24,020		390				
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	4,395	4,395						
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	89,537	89,537						
+	25000210	SEEDING, CLASS 2A	ACRE	11.25	11.25						
+	25000300	SEEDING, CLASS 3	ACRE	5.25	5.25						
+	25000314	SEEDING, CLASS 4B	ACRE	0.25	0.25						
+	25000324	SEEDING, CLASS 5B	ACRE	.25	.25						
+	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,490	1,490						
+	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,490	1,490						

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	5
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

MODEL: Default
FILE NAME: S:\OL\6300-6399\6346\113\Drawings\CAD\Microstation\CAD Sheets\C3B-D162N91-sht-SOQ-SAT.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
	25000750	MOWING	ACRE	22.00	22.00						
+	25100630	EROSION CONTROL BLANKET	SQ YD	24,594	24,594						
+	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	64,943	64,943						
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,940	1,940						
+	28000305	TEMPORARY DITCH CHECKS	FOOT	14	14						
+	28000400	PERIMETER EROSION BARRIER	FOOT	44,741	44,741						
+	28000500	INLET AND PIPE PROTECTION	EACH	15	15						
+	28000510	INLET FILTERS	EACH	58	58						
+	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	33,313	33,313						
+	28001200	TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	60,603	60,603						
	28100105	STONE RIPRAP, CLASS A3	SQ YD	107	107						
+	28200200	FILTER FABRIC	SQ YD	107	107						
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	24,020	24,020						
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	80,856	80,856						
	31101191	SUBBASE GRANULAR MATERIAL, TYPE B 3"	SQ YD	12,969	12,969	1					
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,463	1,463						

+ INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	6
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

REV-SEP

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	239,263	239,263						
31200500	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"	SQ YD	1,148	1,148						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	206,179	206,179						
					1					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	278,646	278,646						
40600372	LONGITUDINAL JOINT SEALANT, HALF-WIDTH	FOOT	276,320	276,320						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	380	380						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,803	1,803	1					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	123	123						
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	3,494	3,494	1					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	3,844	3,844						
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	8,068	8,068						
~~40605005~~	~~POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT 9.5, N80~~	~~TON~~	~~3,817~~	~~3,817~~						
40605015	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT 12.5, N80	TON	21,098	21,098						
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT 9.5, MIX "F" N80	TON	555	555						
40605036	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80	TON	19,476	19,476						
					1					
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	1,756	1,756						
42001300	PROTECTIVE COAT	SQ YD	43,975	43,975						
42100100	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	14,484	14,484						

+ INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	7
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
42100615	PAVEMENT REINFORCEMENT	SQ YD	14,484	14,484	1					
42101100	TRANSVERSE TERMINAL JOINT COMPLETE 36'	EACH	12	12						
42101110	TRANSVERSE TERMINAL JOINT COMPLETE 48'	EACH	4	4						
42101436	LUG SYSTEM COMPLETE 36'	EACH	15	15						
42101453	LUG SYSTEM COMPLETE 53'	EACH	4	4						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	8,866	8,866						
					1					
42400800	DETECTABLE WARNINGS	SQ FT	270	270						
44000100	PAVEMENT REMOVAL	SQ YD	17,545	17,545						
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1,252	1,252						
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	93,182	93,182						
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	159,001	159,001						
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3,086	3,086						
44001980	CONCRETE BARRIER REMOVAL	FOOT	4,172	4,172						
44002224	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 6"	SQ YD	358	358						
44003100	MEDIAN REMOVAL	SQ FT	7,211	7,211						

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 4 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	8
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
44004250	PAVED SHOULDER REMOVAL	SQ YD	60,704	60,704						
44200616	CLASS A PATCHES, TYPE I, 14 INCH	SQ YD	40	40						
44200620	CLASS A PATCHES, TYPE II, 14 INCH	SQ YD	242	242						
44200624	CLASS A PATCHES, TYPE III, 14 INCH	SQ YD	36	36						
44200628	CLASS A PATCHES, TYPE IV, 14 INCH	SQ YD	40	40						
44201297	DOWEL BARS 1"	EACH	30	30						
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	30	30						
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	721	721						
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	621	621						
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	758	758						
44213000	PATCHING REINFORCEMENT	SQ YD	358	358						
44213200	SAW CUTS	FOOT	1,794	1,794						
44213202	TIE BARS 1"	EACH	30	30						
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	323	323						
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	11,579	11,579						

+ INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 5 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	9
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2,858	2,858	1					
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	256	256						
48203053	HOT-MIX ASPHALT SHOULDERS, 14"	SQ YD	40,900	40,900						
					1					
48300600	PORTLAND CEMENT CONCRETE SHOULDERS 11"	SQ YD	12,969	12,969						
50101700	REMOVAL OF EXISTING SUPERSTRUCTURES NO. 1	EACH	1		1					
50101800	REMOVAL OF EXISTING SUPERSTRUCTURES NO. 2	EACH	1		1					
50101900	REMOVAL OF EXISTING SUPERSTRUCTURES NO. 3	EACH	1		1					
50102000	REMOVAL OF EXISTING SUPERSTRUCTURES NO. 4	EACH	1		1.00					
50102100	REMOVAL OF EXISTING SUPERSTRUCTURES NO. 5	EACH	1		1					
50102400	CONCRETE REMOVAL	CU YD	710.0		710.0					
						1				
50104650	SLOPE WALL REMOVAL	SQ YD	1,348.2		648.2	700				
50104701	REMOVAL OF EXISTING CONCRETE DECK NO. 1	EACH	1		1					
50104702	REMOVAL OF EXISTING CONCRETE DECK NO. 2	EACH	1		1					
50157300	PROTECTIVE SHIELD	SQ YD	11,091		11,091	1				
50200100	STRUCTURE EXCAVATION	CU YD	7,256		4,810	2,446				

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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JOLIET, ILLINOIS 60431
(815) 744-4200

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 6 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	10
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	130			130				
50300100	FLOOR DRAINS	EACH	1.0		1.0					
50300225	CONCRETE STRUCTURES	CU YD	1,306.7		1,306.7					
50300255	CONCRETE SUPERSTRUCTURE	CU YD	2,948.6		2,936.6	△1		12.0		
50300300	PROTECTIVE COAT	SQ YD	13,723		13,476	247				
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	1,433.6		1,433.1			.5		
50401305	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL27N	FOOT	770		770					
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1					
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	16,950		16,950					
50500505	STUD SHEAR CONNECTORS	EACH	67,743		67,743					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,342,280		1,314,910	△1 27,370				
50800515	BAR SPLICERS	EACH	6,730		6,730					
50800530	MECHANICAL SPLICERS	EACH	393		393					
50901760	PIPE HANDRAIL	FOOT	250			250				

+ INDICATES SPECIALTY ITEM

△1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - SJG	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 7 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	11
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

REV-SEP

MODEL: Default
FILE NAME: S:\IOL\6300-6399\6346\13\Drawings\CAD\Micros-SS#\CAD Sheets\C3B-D162N91-aht-SQQ-SAI.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
	51100100	SLOPE WALL 4 INCH	SQ YD	991		991	1				
	51100300	SLOPE WALL 6 INCH	SQ YD	13		13					
*	51500100	NAME PLATES	EACH	8		7	1				
	52000040	PREFORMED JOINT SEAL 3 1/2"	FOOT	111		111					
	52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	198		198					
	52100510	ANCHOR BOLTS, 3/4"	EACH	64		64					
	52100520	ANCHOR BOLTS, 1"	EACH	332		332					
	52100530	ANCHOR BOLTS, 1 1/4"	EACH	116		116					
	52100540	ANCHOR BOLTS, 1 1/2"	EACH	32		32					
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	2,240		2,240					
	52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	294.0			294.0				
	54003000	CONCRETE BOX CULVERTS	CU YD	6.2		6.2					
	54262712	METAL FLARED END SECTIONS 12"	EACH	8	8						
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	239	239						
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	56	56						
	55100200	STORM SEWER REMOVAL 6"	FOOT	35	35						

* INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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1170 SOUTH HOUBOLT ROAD
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 8 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	12
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

MODEL: Default
FILE NAME: S:\OL\6300-6399\6346\113\Drawings\CAD\Micros-SS4\CAD Sheets\C3B-D162N91-sht-SOQ-SAT.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
55100300	STORM SEWER REMOVAL 8"	FOOT	32	32						
55100400	STORM SEWER REMOVAL 10"	FOOT	46	46						
55100500	STORM SEWER REMOVAL 12"	FOOT	502	502						
55100700	STORM SEWER REMOVAL 15"	FOOT	32	32						
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	4,955		3,922	1,033				
58700300	CONCRETE SEALER	SQ FT	13,952		13,952					
59000200	EPOXY CRACK INJECTION	FOOT	408		408					
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	1,900		1,722	178				
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	289	289						
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2						
60100945	PIPE DRAINS 12"	FOOT	400	400						
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	45	45						
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	7,138	7,138						
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1,668		1,419	249				
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1						

1

+ INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 9 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	13
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

MODEL: Default
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	61000225	TYPE F INLET BOX, STANDARD 610001	EACH	6	6						
+	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	19,575	19,575	1					
+	63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	1,580	1,580						
+	63000017	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	FOOT	289	289						
+	63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	113	113						
+	63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	43.75	43.75						
+	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	15	15						
+	63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	6	6						
+	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	19	19						
+	63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	2	2						
+	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	23	23						
	63200310	GUARDRAIL REMOVAL	FOOT	22,418	22,418	1					
	63700180	CONCRETE BARRIER, SINGLE FACE, 44 INCH HEIGHT	FOOT	1,593	1,593						
	63700280	CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT	FOOT	2,663	2,663						
	63700380	CONCRETE BARRIER, VARIABLE CROSS SECTION 44 INCH HEIGHT	FOOT	871	871						

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 12 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	16
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: S:\IDL\6300-639\96346\113\Drawings\CAD\Micros-SS4\CAD_Sheets\C3B-D162N91-sht-SOQ-SAT.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
	63700805	CONCRETE BARRIER TRANSITION	FOOT	129	129						
	63700900	CONCRETE BARRIER BASE	FOOT	5,532	5,532						
	63800920	MODULAR GLARE SCREEN SYSTEM, TEMPORARY	FOOT	19,388	19,388						
	64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	15,906	15,906						
	64300240	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2						
	64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	3	3						
	64300350	IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2	EACH	2	2						
	66201120	CONCRETE SHOULDER CURB	FOOT	120	120						
	66400105	CHAIN LINK FENCE, 4'	FOOT	87	87						
+	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	13,485	13,485						
+	66900530	SOIL DISPOSAL ANALYSIS	EACH	7	7						
+	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1						
+	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1						
+	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	200	200						
	67100100	MOBILIZATION	L SUM	1	1						
+	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	420	420						

1 REVISED SHEET 10/30/2024

+ INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 13 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	17
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

MODEL: Default
FILE NAME: S:\OL\6300-6399\6346\113\Drawings\CAD\Micros-SS4\CAD_Sheets\C3B-D162N91-sht-SOQ-SAT.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	309,421	309,421						
70303100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - MODIFIED URETHANE	SQ FT	104	104	1					
70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	90,627	90,627						
70303125	TEMPORARY PAVEMENT MARKING - LINE 5" - MODIFIED URETHANE	FOOT	19,806	19,806						
70303130	TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE	FOOT	267	267						
70303140	TEMPORARY PAVEMENT MARKING - LINE 8" - MODIFIED URETHANE	FOOT	23,101	23,101						
70303160	TEMPORARY PAVEMENT MARKING - LINE 12"- MODIFIED URETHANE	FOOT	3,695	3,695						
70303210	TEMPORARY PAVEMENT MARKING - LINE 24"- MODIFIED URETHANE	FOOT	67	67						
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	250,246	250,246						
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	104	104	1					
70307125	TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE	FOOT	80,900	80,900						
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	216,207	216,207	1					
70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	112,812	112,812						
70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	8,985	8,985						
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	365	365						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	44,625	44,625						
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	2,097	2,097	1					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	67,800.0	67,800.0						

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 14 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	18
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

REV-SEP

MODEL: Default
FILE NAME: S:\IOL\6300-6399\6346\113\Drawings\CADD\Micros-SS4\CAD Sheets\C3B-D162N91-dtk-SQQ-SAT.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	22	22						
	70600240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2	1					
	70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	35	35						
+	70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	6	6	1					
+	72000100	SIGN PANEL - TYPE 1	SQ FT	19	11			8			
+	70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4	1					
+	72000200	SIGN PANEL - TYPE 2	SQ FT	35				35			
+	70600340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2	1					
+	72000300	SIGN PANEL - TYPE 3	SQ FT	1,592	1,592						
+	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1						
+	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	12	12						
+	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	48	48						
*	73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	184	184						
*	73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'-6" X 5'-3")	FOOT	82	82						
*	73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	97	97						
*	73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	3	3						
*	73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	3	3						
+	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	580	580						
+	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	110,276	110,276						

*+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 15 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	19
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: S:\OL\6300-6399\6346\113\Drawings\CAD\Micross\SSAICAD_Sheets\C3B-D162N91-sht-SOQ-SAI.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
+	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,030	2,030						
+	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	35,500	35,500						
+	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4,888	4,888						
+	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	378	378						
+	78004625	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5"	FOOT	20,505	20,505						
+	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	11,752	11,752						
+	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1,352	1,352						
+	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	84	84						
+	78011030	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	20,505	20,505						
+	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,972	1,972						
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	24,147	24,147						
	~~78100300~~	~~REPLACEMENT REFLECTOR~~	~~EACH~~	~~172~~	~~172~~						
+	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	453	453						
	78300201	PAVEMENT MARKER REMOVAL - GRINDING	SQ FT	266	266						
+	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	757	757						
	78300202	PAVEMENT MARKER REMOVAL - WATER BLASTING	SQ FT	112,250	112,250						
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,972	1,972						

1 REVISED SHEET 10/30/2024

+ INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 16 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	20
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

REV-SEP

MODEL: Default
FILE NAME: S:\IOL\6300-6399\6346\13\Drawings\CAD\Micros-SSM\CAD Sheets\C3B-D162N93-aht-SQQ-SAI.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
+	80400100	ELECTRIC SERVICE INSTALLATION	EACH	6				6			
+	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1				1			
+	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3,802				3,802	1		
+	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	500				500			
+	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	3,768				3,768	1		
+	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	6,937				6,937			
+	81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,040				1,040			
+	81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	160				160			
+	81101200	CONDUIT ATTACHED TO STRUCTURE, 6" DIA., GALVANIZED STEEL	FOOT	106				106			
+	81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	4,182				4,182			
+	81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	9,052				9,052			
+	81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	32				32			
+	81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	12				12			
+	81300800	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 6"	EACH	6				6			
+	81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2				2			

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 9/13/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 17 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	21
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

MODEL: Default
FILE NAME: S:\OL\6300-639\639634\113\Drawings\CAD\Micros-SS4\CAD_Sheets\C3B-D162N91-sht-SOQ-SAT.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	STRUCTURE REHABILITATION 0013	R-WALL PALATINE RD S.N. 016-W2502 0044	TRAFFIC SIGNALS ITS LIGHTING 0021	AESTHETIC IMPROVEMENTS 0031	EVP 0021	EVP 0021
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% LOCAL ROLLING MEADOWS	100% LOCAL ROLLING MEADOWS	100% LOCAL PALATINE
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+	81300945	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	8				8			
+	81400100	HANDHOLE	EACH	8				8			
									1		
+	81400200	HEAVY-DUTY HANDHOLE	EACH	30				30			
+	81603047	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" 1/4" DIA POLYETHYLENE	FOOT	255				255			
+	81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	6,268				6,268			
+	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	5,235				5,235			
+	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	7,552				7,552			
+	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	16,205				16,205			
+	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	9,805				9,805			
+	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	44,801				44,801			
+	81800190	AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	343				343			
+	81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	18,616				18,616			
+	82110004	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION D	EACH	1				1			
+	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	55				55			
+	82110026	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	EACH	8				8			

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 18 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	22
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

MODEL: Default
FILE NAME: S:\OL\6300-639\639634\113\Drawings\CAD\Micross\SSA\CAD Sheets\C3B-D162N91-sht-SOQ-SAT.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	STRUCTURE REHABILITATION 0013	R-WALL PALATINE RD S.N. 016-W2502 0044	TRAFFIC SIGNALS ITS LIGHTING 0021	AESTHETIC IMPROVEMENTS 0031	EVP 0021	EVP 0021
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% LOCAL ROLLING MEADOWS	100% LOCAL ROLLING MEADOWS	100% LOCAL PALATINE
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+	82110027	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	24				24			
+	83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	1				1			
+	83050860	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. MAST ARMS	EACH	27				27			
+	83057355	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	46				46			
+	83057405	LIGHT POLE, WOOD, 70 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	10				10			
+	83057475	LIGHT POLE, WOOD, 90 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	2				2			
+	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	90				90			
+	83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	1				1			
+	83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	1				1			
+	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1				1			
+	84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	58				58			
+	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	31				31			
+	84200804	REMOVAL OF POLE FOUNDATION	EACH	30				30			
+	84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	6				6			
+	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	7				7	1		

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 19 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	23
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	STRUCTURE REHABILITATION 0013	R-WALL PALATINE RD S.N. 016-W2502 0044	TRAFFIC SIGNALS ITS LIGHTING 0021	AESTHETIC IMPROVEMENTS 0031	EVP 0021	EVP 0021
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% LOCAL ROLLING MEADOWS	100% LOCAL ROLLING MEADOWS	100% LOCAL PALATINE
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1				1			
+	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,562				1,562			
+	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,834				1,834			
									1		
+	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,297				2,297			
+	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	8,479				8,479			
+	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,061				1,061			
+	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	6,791				6,791	1		
+	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	386				386			
+	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,597				1,597			
+	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	8				8			
+	87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	2				2			
+	87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1				1			
+	87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2				2			
+	87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1				1			
+	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	54				54			

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT DATE = 9/13/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 20 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	24
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

REV-SEP

MODEL: Default
FILE NAME: S:\IDL\6300-6399\6346\113\Drawings\CADD\Micros-SS4\CAD_Sheets\C3B-D162N91-dtk-SQQ-SAT.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
+	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	84				84			
+	87900200	DRILL EXISTING HANDHOLE	EACH	46				46	1		
+	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	26				26			
+	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	14				14			
+	88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3				3			
+	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2				2			
+	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1				1			
+	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12				12			
+	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	27				27			
+	88500100	INDUCTIVE LOOP DETECTOR	EACH	11				11			
+	88600100	DETECTOR LOOP, TYPE I	FOOT	1,553				1,553	1		
+	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1				1			
+	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	6						2	4
+	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1							1

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT DATE = 9/13/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 21 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	25
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

MODEL: Default
FILE NAME: S:\OL\6300-639\96346\113\Drawings\CAD\Micros-SS4\CAD Sheets\C3B-D162N91-sht-SOQ-SAT.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	STRUCTURE REHABILITATION 0013	R-WALL PALATINE RD S.N. 016-W2502 0044	TRAFFIC SIGNALS ITS LIGHTING 0021	AESTHETIC IMPROVEMENTS 0031	EVP 0021	EVP 0021
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% LOCAL ROLLING MEADOWS	100% LOCAL ROLLING MEADOWS	100% LOCAL PALATINE
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+	A2006816	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2						
+	A2007616	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2" CALIPER, BALLED AND BURLAPPED	EACH	9	9						
+	A2064012	TREE, QUERCUS ALBA X ROBUR CRIMSCHMIDT (CRIMSON SPIRE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5	5						
+	B2006116	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	5						
+	C3005924	SHRUB, RHUS GLABRA (SMOOTH SUMAC), 2' HEIGHT, BALLED AND BURLAPPED	EACH	75	75						
+	C3006024	SHRUB, RHUS TYPHINA (STAGHORN SUMAC), 2' HEIGHT, BARE ROOT	EACH	80	80						
+	D2000372	EVERGREEN, JUNIPERUS CHINENSIS MOUNT BATTEN (MOUNTBATTEN CHINESE JUNIPER), 6' HEIGHT, BALLED AND BURLAPPED	EACH	6	6						
+	D2001972	EVERGREEN, PICEA GLAUCA DENSATA (BLACK HILLS SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	6	6						
+	D2002072	EVERGREEN, PICEA OMORIKA (SERBIAN SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	12	12						
+	K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	15	15						
+	X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	8				8			
+	X8301802	REMOVE TEMPORARY WOOD POLE	EACH	35				35			
	X5110308	SLOPE WALL CRACK SEALING	FOOT	3,382		3,382					
+	X0323917	CABINET, MODEL 334	EACH	8				8			
+	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,347						95	1,252

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 23 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	27
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
+	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	3,102				3,102			
+	X8302161	TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	35				35			
+	X0324911	REPLACE EXISTING DECAL WITH NEW LUMINAIRE NUMBERING DECAL	EACH	11				11			
+	X0327601	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, FOUNDATION, 80 FT. MOUNTING HEIGHT	FOOT	130				130			
+	X0327602	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, GALVANIZED STEEL, 80 FT. MOUNTING HEIGHT	EACH	8				8			
+	X0327616	MAINTAINING ITS DURING CONSTRUCTION	CAL MO	21				21			
	X0338320	CONCRETE COLOR ADDITIVE	CU YD	258.6					258.6	1	
+	X1400013	REMOVAL OF CABLE IN CONDUIT	FOOT	46,724				46,724			
+	X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	371				371			
+	X1400106	WIRELESS VEHICLE DETECTION SYSTEM	EACH	8				8			
+	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2				2			
+	X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	2				2			
+	X1400216	LAYER II (DATALINK) SWITCH	EACH	1				1			
+	X1400217	TERMINATE FIBER IN CABINET	EACH	120				120			
+	X8710066	FIBER OPTIC CABLE, MICRO, 144 FIBERS, SINGLE MODE	FOOT	47,590				47,590	1		
+	X1400341	REMOVAL OF LUMINAIRE, SALVAGE	EACH	336				336			
+	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	8				8			

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 24 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	28
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

MODEL: Default
FILE NAME: S:\OL\6300-6399\6346\113\Drawings\CAD\Micros-SSA\CAD Sheets\C3B-D162N91-sht-SOQ-SAT.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
+	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3				3			
+	X1400460	LAYER III (NETWORK) SWITCH	EACH	8				8			
+	X1400510	6 FT DUAL MAST ARMS, ALUMINUM, 180 DEGREES APART	EACH	56				56			
	X2020110	GRADING AND SHAPING SHOULDERS	UNIT	379	379						
	X2090212	SAND BACKFILL	CU YD	447	447						
	X6640618	ORNAMENTAL FENCE	FOOT	152					152		
+	X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	2	2						
	X4060995	TEMPORARY RAMP, SPECIAL	SQ YD	11,595.00	11,595.00						
	X4420815	CLASS D PATCHES, TYPE II, 14 INCH (SPECIAL)	SQ YD	21	21						
	X4210400	LUG SYSTEM REMOVAL	EACH	16	16						
	X4420819	CLASS D PATCHES, TYPE III, 14 INCH (SPECIAL)	SQ YD	97	97						
	X4400198	CONCRETE BARRIER REMOVAL (SPECIAL)	FOOT	904	904						
	X4420821	CLASS D PATCHES, TYPE IV, 14 INCH (SPECIAL)	SQ YD	73	73						
	X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2	2	1					
	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	10,767		10,767					
	X5030282	FORM LINER TEXTURED SURFACE (SPECIAL)	SQ FT	5,711					5,711		
	X5030290	STAINING CONCRETE STRUCTURES	SQ FT	1,202					1,202		
	X5080530	BAR TERMINATOR	EACH	3,713		3,713	1				

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 9/13/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 25 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	29
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
□	X5230150	CLEANING DRAINAGE SYSTEM	FOOT	64,000	64,000						
	X6050700	REMOVE INLET BOX	EACH	10	10						
	X6063000	CONCRETE GUTTER, TYPE B (SPECIAL)	FOOT	270			270				
	X6370050	CONCRETE BARRIER WALL (SPECIAL)	FOOT	334	334						
	X6640304	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	18		18					
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	24	24						
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
	~~X7010240~~	~~TRAFFIC CONTROL SURVEILLANCE (SPECIAL)~~	~~CAL DA~~	~~540~~	~~540~~						
	X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1						
	X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	540	540						
	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	302	302						
+	X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	302	302						
+	X8100863	INTERCEPT EXISTING CONDUIT	EACH	24				24			
+	X8131170	JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 20" X 13" X 12"	EACH	8				8			
+	X8211008	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	61				61			
	X8300001	LIGHT POLE, SPECIAL	EACH	1				1			
*	X8302125	WOOD POLE, 25 FT, CLASS 4	EACH	25				25			

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*+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

□ NON-PART 100% STATE

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JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT DATE = 9/13/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 26 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	30
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
+	X8360105	LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL, 24" DIAMETER	FOOT	189				189			
*	X8360110	LIGHT POLE FOUNDATION, SPECIAL	FOOT	9				9			
+	X8420111	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	16				16			
+	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1				1			
+	X8620250	UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1				1			
*	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1,562				1,562			
+	X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	309				309			
+	X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	1,414				1,414			
+	~~X8710039~~	~~FIBER OPTIC CABLE 144 FIBERS, SINGLE MODE~~	~~FOOT~~	~~47,590~~				~~47,590~~			
+	X8710054	FIBER OPTIC TERMINATION PANEL, 12 F OR 24F	EACH	8				8			
*	X8710070	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1				1			
*	X8710094	FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	3				3			
+	X8710304	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	8				8			
+	X8710306	FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	8				8			
+	X8710318	FIBER OPTIC UTILITY MARKER	EACH	33				33			
+	X8710402	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	619				619			

1

* + INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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(815) 744-4200

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PLOT DATE = 9/13/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 27 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	31
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 80% FED 20% STATE URBAN	STRUCTURE REHABILITATION 0013 80% FED 20% STATE URBAN	R-WALL PALATINE RD S.N. 016-W2502 0044 80% FED 20% STATE URBAN	TRAFFIC SIGNALS ITS LIGHTING 0021 80% FED 20% STATE URBAN	AESTHETIC IMPROVEMENTS 0031 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL ROLLING MEADOWS URBAN	EVP 0021 100% LOCAL PALATINE URBAN
	Z0018100	DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)	EACH	17	17						
	Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2		2	1				
	Z0018300	DRAINAGE STRUCTURE REPAIR	EACH	1	1						
	Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	249	249	1					
	Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	21	21						
	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	451	451	1					
□	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	400	400						
	Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	4	4						
	X6640104	FENCE REMOVAL	FOOT	264	264						
	Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	13,479		13,479	1				
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	853	853						
+	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	335				335			
+	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	25				25			
+	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2				2			
+	Z0033052	COMMUNICATIONS VAULT	EACH	30				30			
	Z0034105	MATERIAL TRANSFER DEVICE	TON	39,097	39,097						
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1	1					
	Z0062456	TEMPORARY PAVEMENT	SQ YD	477	477						
	Z0065700	SLOPE WALL REPAIR	SQ YD	60		60	1				

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

□ NON-PART 100% STATE

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PLOT DATE = 9/13/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 29 OF 30 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	33
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	STRUCTURE REHABILITATION 0013	R-WALL PALATINE RD S.N. 016-W2502 0044	TRAFFIC SIGNALS ITS LIGHTING 0021	AESTHETIC IMPROVEMENTS 0031	EVP 0021	EVP 0021
					80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% LOCAL ROLLING MEADOWS	100% LOCAL ROLLING MEADOWS	100% LOCAL PALATINE
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	7				7	1		
	Z0065740	SLOTTED DRAIN 12" WITH VARIABLE SLOT	FOOT	1,623	1,623						
	Z0073100	TEMPORARY SHORING	EACH	6		6					
+	X8420507	REMOVAL OF LIGHTING ARM, SALVAGE	EACH	167				167			
	X5870003	CONCRETE SEALANT, SPECIAL	SQ YD	488					488		
+	87702291	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 30 FT	EACH	1				1			
+	X8210007	LUMINAIRE, LED, ROADWAY, REPLACEMENT, OUTPUT DESIGNATION H	EACH	280				280			
+	X7330060	MODIFY EXISTING DYNAMIC MESSAGE SIGN	EACH	1				1			
+	81101006	CONDUIT ATTACHED TO STRUCTURE, RIGID NON-METALLIC, 6" DIA.	FOOT	319				319			
+	X8131175	JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 32" X 12" X 8"	EACH	8				8			
+	X8101095	UNDERGROUND CONDUIT, MULTI-DUCT, 4-18MM MICRODUCTS	FOOT	41,790				41,790			
Ø +	Z0076600	TRAINEES	HOUR	1,500	1,500						
Ø +	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1,500	1,500						
+	X8210006	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (MATERIAL ONLY)	EACH	12				12			
+	X8305015	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. MAST ARM (MATERIAL ONLY)	EACH	6				6			
+	X8305165	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. MAST ARM (MATERIAL ONLY)	EACH	3				3			

+ INDICATES SPECIALTY ITEM

1 REVISED SHEET 10/30/2024

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JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT SCALE = 2.0000 ' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 9/13/2024	DATE - 8/23/2024	REVISED -

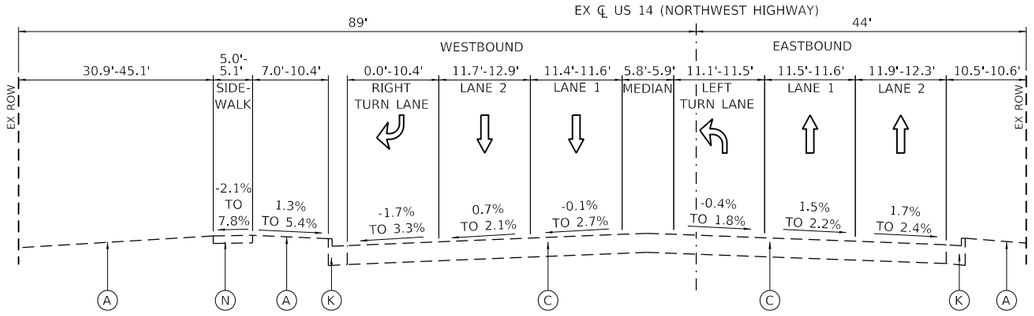
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 30 OF 30 SHEETS | STA. | TO STA.

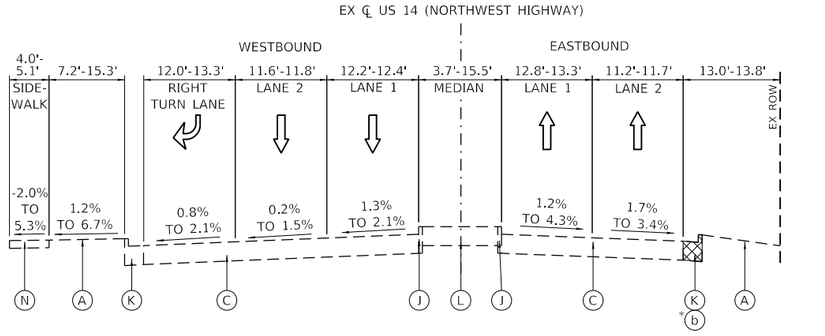
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	34
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

REV-SEP



EXISTING TYPICAL SECTION
US ROUTE 14 (NORTHWEST HIGHWAY)

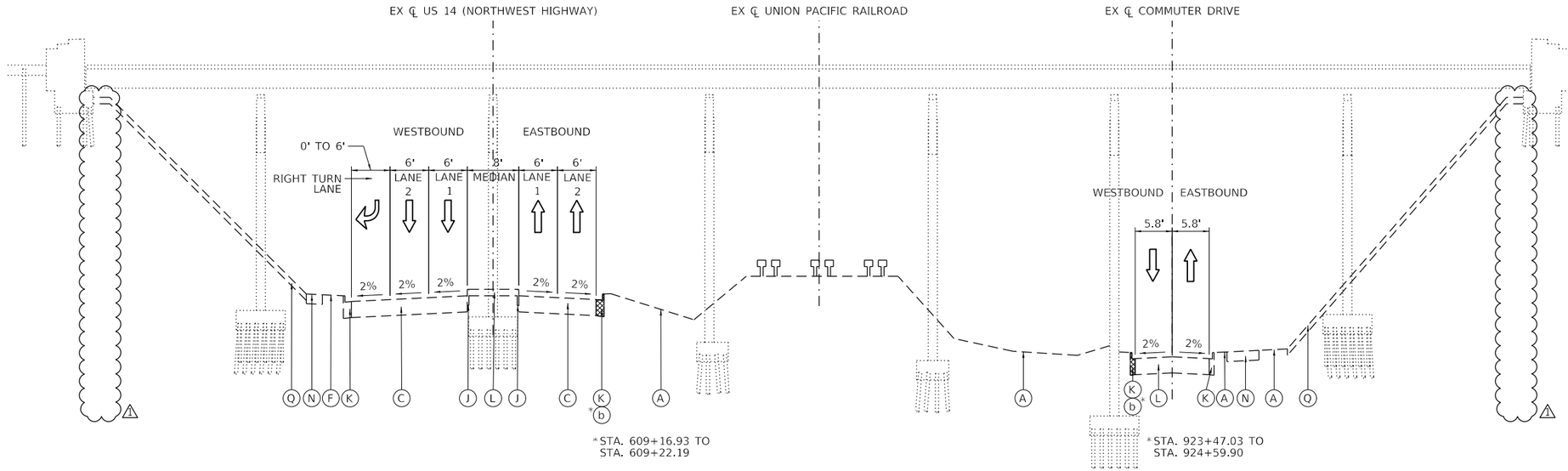
STA. 603+50.75 TO STA. 606+10.96



* STA. 608+32.19 TO STA. 609+16.93

EXISTING TYPICAL SECTION
US ROUTE 14 (NORTHWEST HIGHWAY)

STA. 607+11.84 TO STA. 609+16.93



EXISTING TYPICAL SECTION
US ROUTE 14 (NORTHWEST HIGHWAY),
UNION PACIFIC RAILROAD,
& COMMUTER DRIVE AT IL ROUTE 53

US 14 (NORTHWEST HIGHWAY): STA. 609+16.93 TO STA. 610+69.14
COMMUTER DRIVE: STA. 922+00.00 TO STA. 924+59.90

LEGEND:

- (A) EXISTING TOPSOIL
- (B) EXISTING AGGREGATE SUBGRADE
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING PCC PAVEMENT
- (E) EXISTING C.R.C. PAVEMENT
- (F) EXISTING HMA SHOULDER
- (G) EXISTING PCC SHOULDER
- (H) EXISTING AGGREGATE SHOULDER
- (I) EXISTING HMA GORE
- (J) EXISTING CURB
- (K) EXISTING CURB AND GUTTER
- (L) EXISTING CONCRETE MEDIAN
- (M) EXISTING MEDIAN CONCRETE BARRIER
- (N) EXISTING SIDEWALK
- (O) EXISTING PIPE UNDERDRAIN
- (P) EXISTING GUARDRAIL
- (Q) EXISTING SLOPE WALL
- (R) EXISTING RETAINING WALL

REMOVAL LEGEND:

- (a) PAVEMENT REMOVAL
- (b) COMBINATION CURB AND GUTTER REMOVAL
- (c) SIDEWALK REMOVAL
- (d) CONCRETE BARRIER WALL REMOVAL
- (e) PAVED SHOULDER REMOVAL
- (f) GUARDRAIL REMOVAL
- (g) SLOPE WALL REMOVAL
- (h) MEDIAN REMOVAL
- (i) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- REMOVAL ITEMS

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
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USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14, UNION PACIFIC RAILROAD, & COMMUTER DRIVE
TYPICAL SECTIONS

SCALE: NA | SHEET 8 OF 14 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	42
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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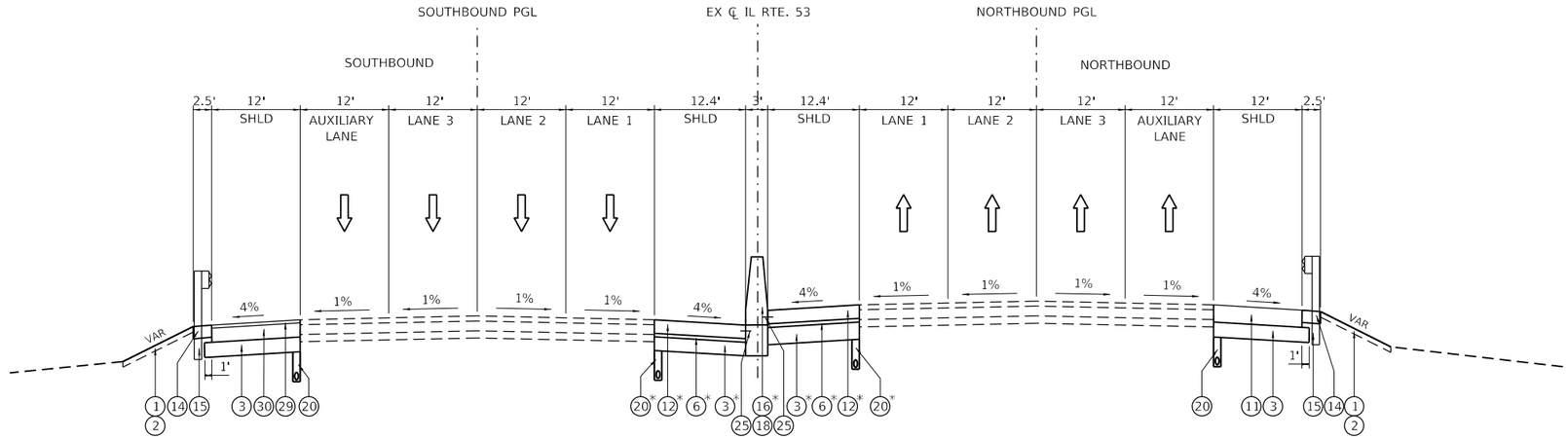
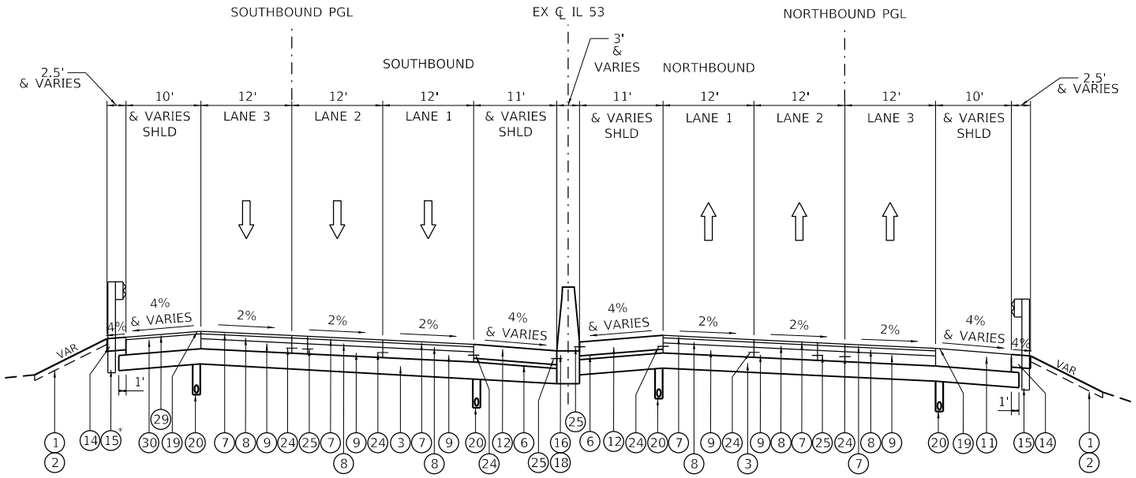


*STA. 1188+00 TO STA. 1202+62.76

PROPOSED TYPICAL SECTION
IL ROUTE 53

STA. 1185+00.00 TO STA. 1202+62.76



NOTES:

1. MAINLINE RESURFACING SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT. 1
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT, SEE SCHEDULE.

PROPOSED TYPICAL SECTION
IL ROUTE 53 (SOUTH APPROACH) AT KIRCHOFF ROAD

STA. 1202+62.76 TO STA. 1205+78.09
BRIDGE OMISSION STA. 1205+78.09 TO STA. 1207+80.04

* FROM STA. 1205+57.89 TO STA. 1205+78.09

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3" 1
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" 1

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TYPICAL SECTIONS

SCALE: NA | SHEET 1 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	47
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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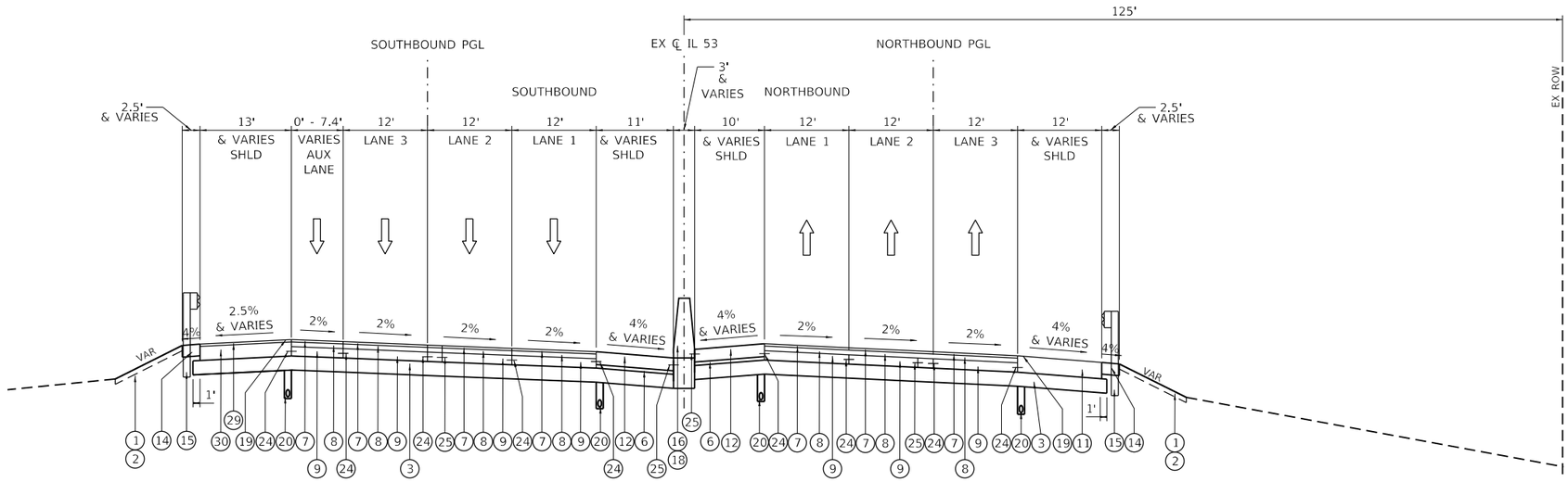
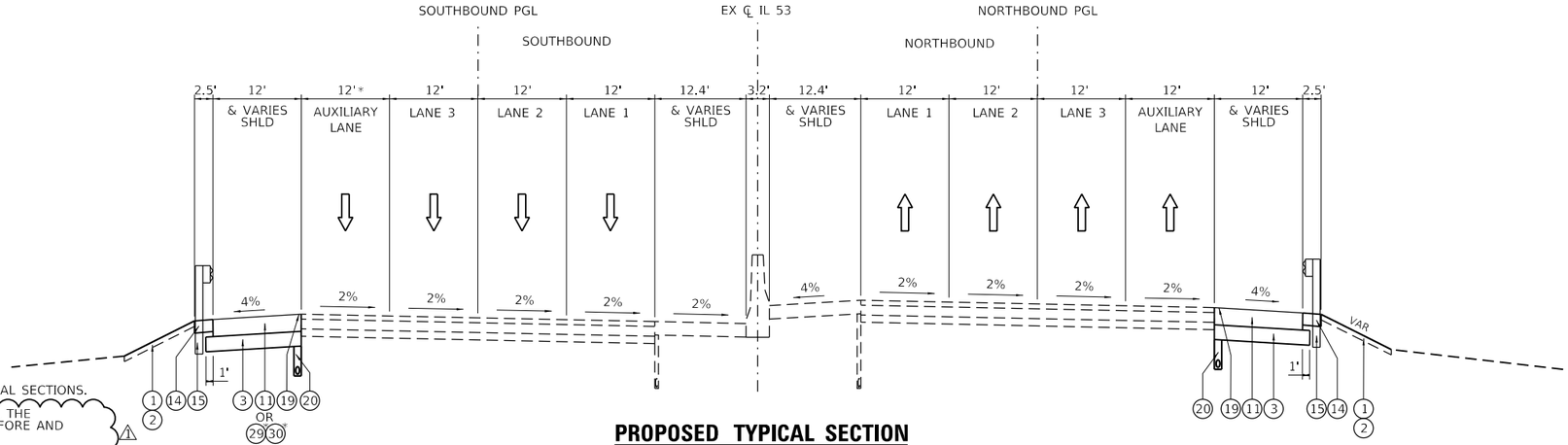


PROPOSED TYPICAL SECTION
IL ROUTE 53 (NORTH APPROACH) AT KIRCHOFF ROAD

STA. 1207+80.04 TO STA. 1210+28.10



NOTES:

1. MAINLINE RESURFACING SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT. 1
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT. SEE SCHEDULE.

*STA. 1210+28.10 TO STA. 1224+51.46

PROPOSED TYPICAL SECTION
IL ROUTE 53

STA. 1210+28.10 TO STA. 1253+51.52
STA. 1260+46.59 TO STA. 1277+82.48

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3" 1
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" 1

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TYPICAL SECTIONS

SCALE: NA | SHEET 2 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	48
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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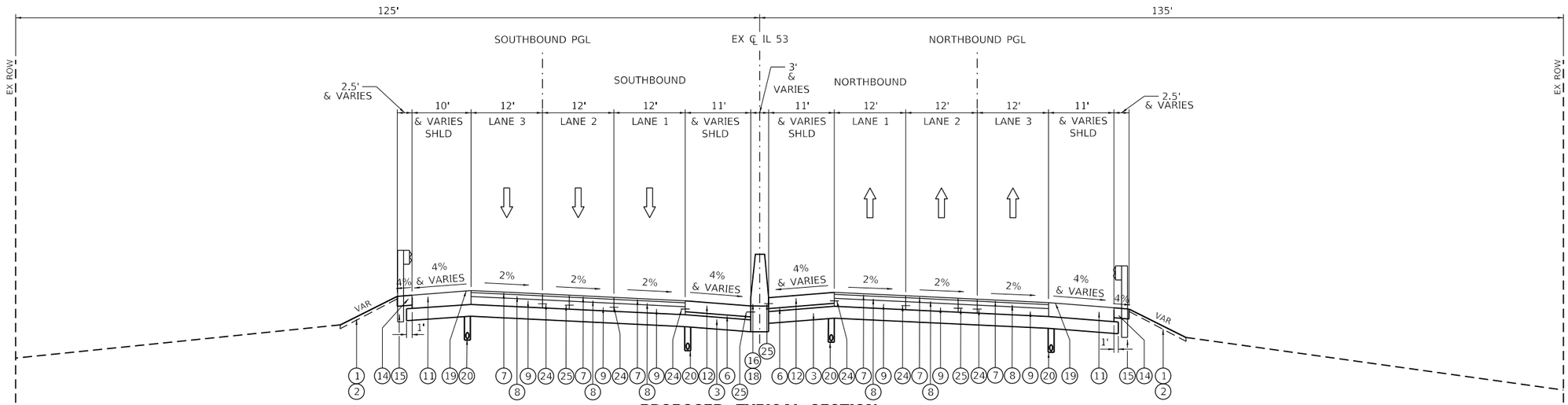
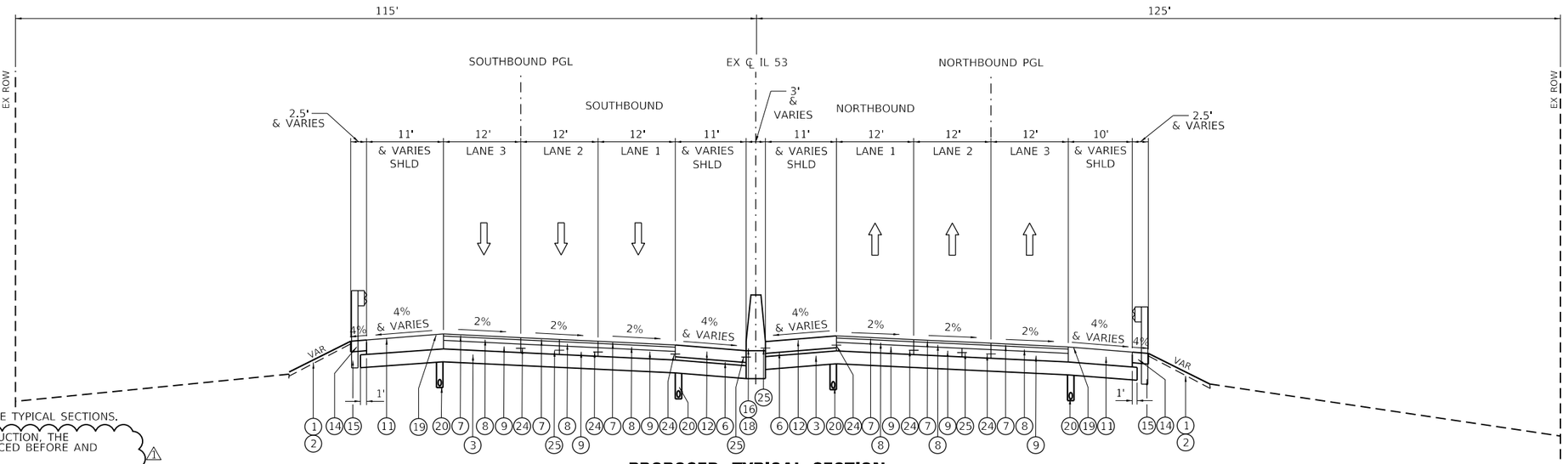


PROPOSED TYPICAL SECTION

IL ROUTE 53 (SOUTH APPROACH) AT INDUSTRIAL AVENUE

STA. 1253+51.52 TO STA. 1256+18.42
BRIDGE OMISSION STA. 1256+18.42 TO STA. 1257+69.11



NOTES:

1. MAINLINE RESURFACING SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT. ⚠1
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT. SEE SCHEDULE.

PROPOSED TYPICAL SECTION

IL ROUTE 53 (NORTH APPROACH) AT INDUSTRIAL AVENUE

STA. 1257+69.11 TO STA. 1260+47.59

⚠1 REVISED SHEET 10/30/2024

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3" ⚠1
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" ⚠1

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TYPICAL SECTIONS

SCALE: NA | SHEET 3 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	49
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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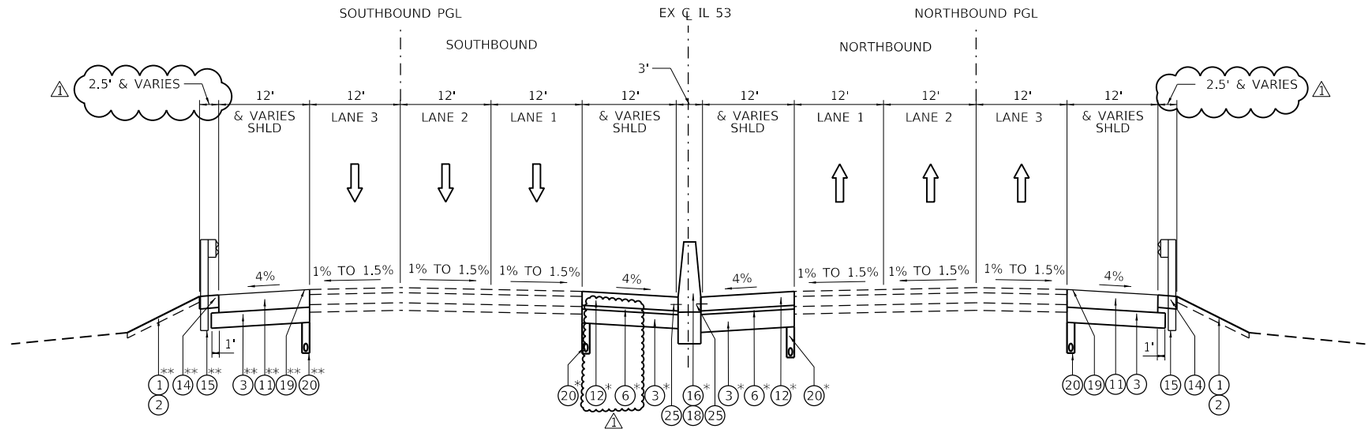
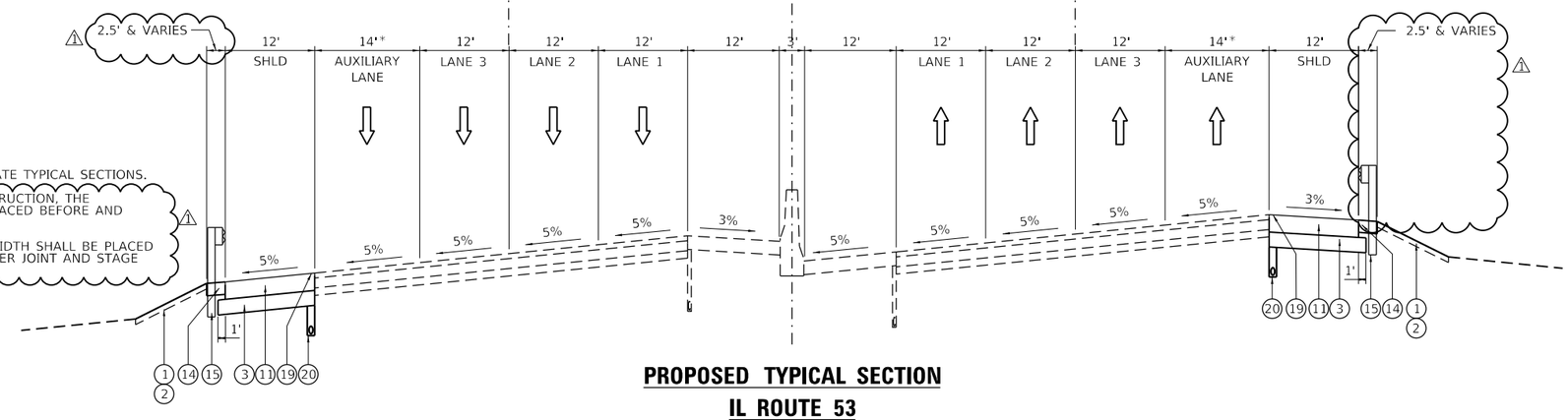


**DONE BY OTHERS FROM STA. 1288+18.41 TO STA. 1289+16.87

*STA. 1368+38.17 TO STA. 1383+00.00

PROPOSED TYPICAL SECTION
IL ROUTE 53

STA. 1288+18.41 TO STA. 1320+42.00
STA. 1353+49.43 TO STA. 1362+61.96
STA. 1368+38.17 TO STA. 1383+00.00



NOTES:

1. MAINLINE RESURFACING SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT.
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT. SEE SCHEDULE.

PROPOSED TYPICAL SECTION
IL ROUTE 53

STA. 1320+42.00 TO STA 1339+00.97
STA. 1346+05.77 TO STA. 1353+49.43

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3"
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12"

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TYPICAL SECTIONS

SCALE: NA | SHEET 4 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	50
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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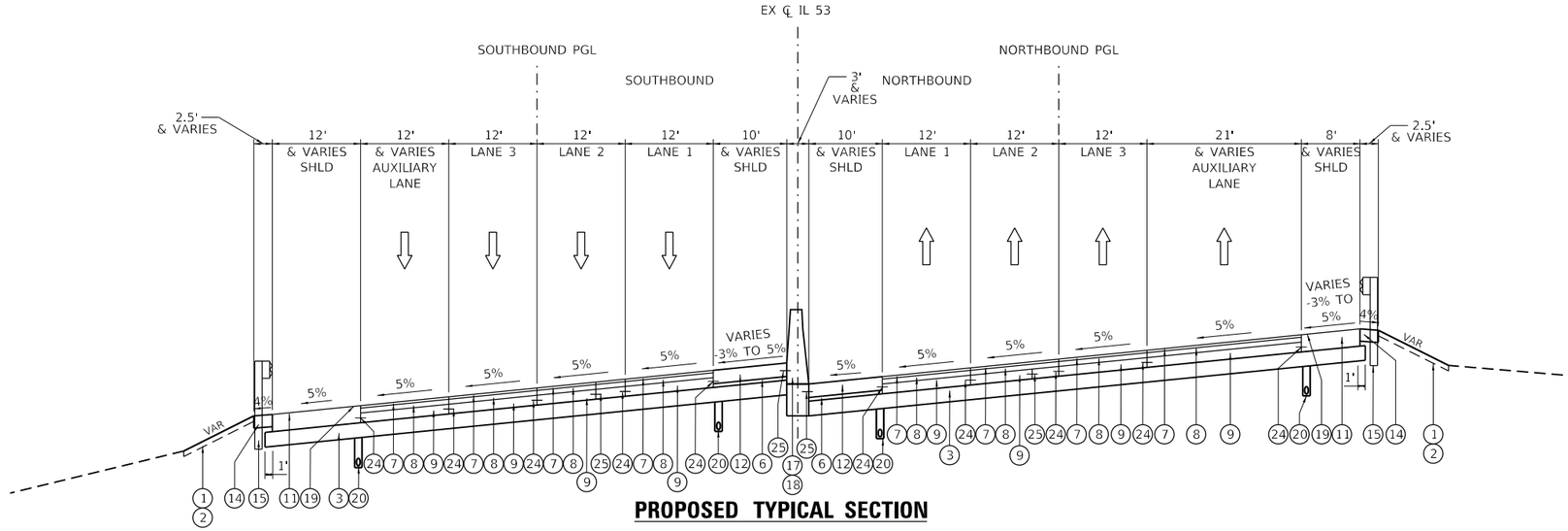
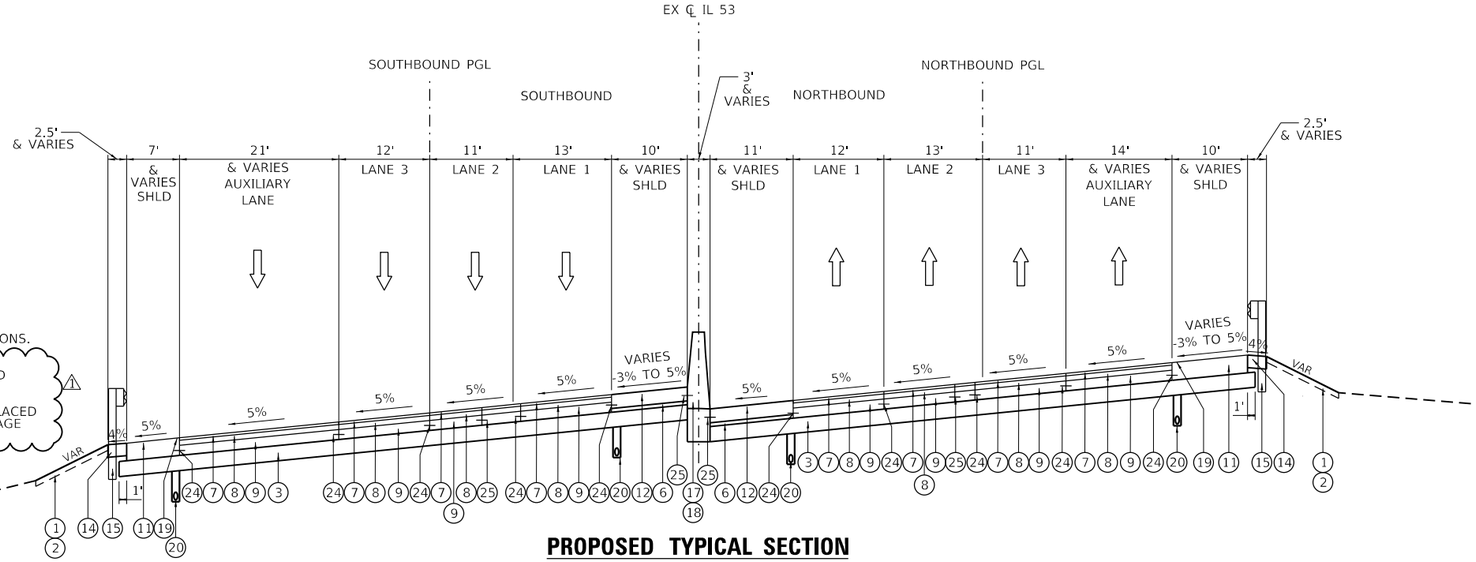


PROPOSED TYPICAL SECTION
IL ROUTE 53 (SOUTH APPROACH) AT PALATINE ROAD

STA. 1339+00.97 TO STA. 1341+61.25
BRIDGE OMISSION STA. 1341+61.25 TO STA. 1343+62.29



NOTES:

1. MAINLINE RESURFACING SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT. (1)
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT. SEE SCHEDULE.

PROPOSED TYPICAL SECTION
IL ROUTE 53 (NORTH APPROACH) AT PALATINE ROAD

STA. 1343+62.29 TO STA. 1346+05.71

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3" (1)
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" (1)

(1) REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - (1) 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TYPICAL SECTIONS

SCALE: NA | SHEET 5 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	51
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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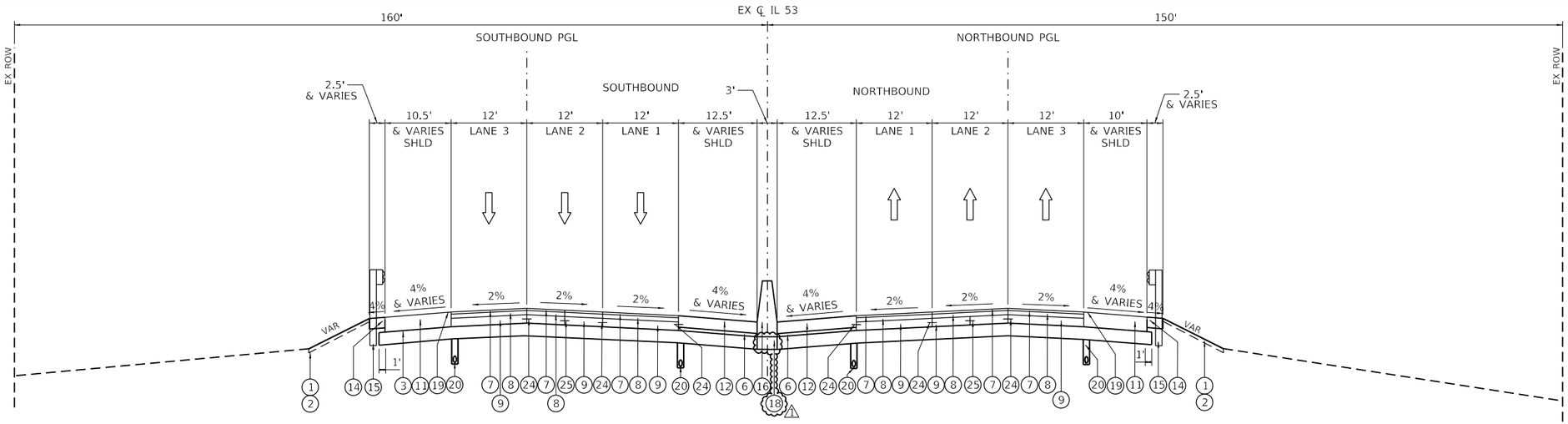
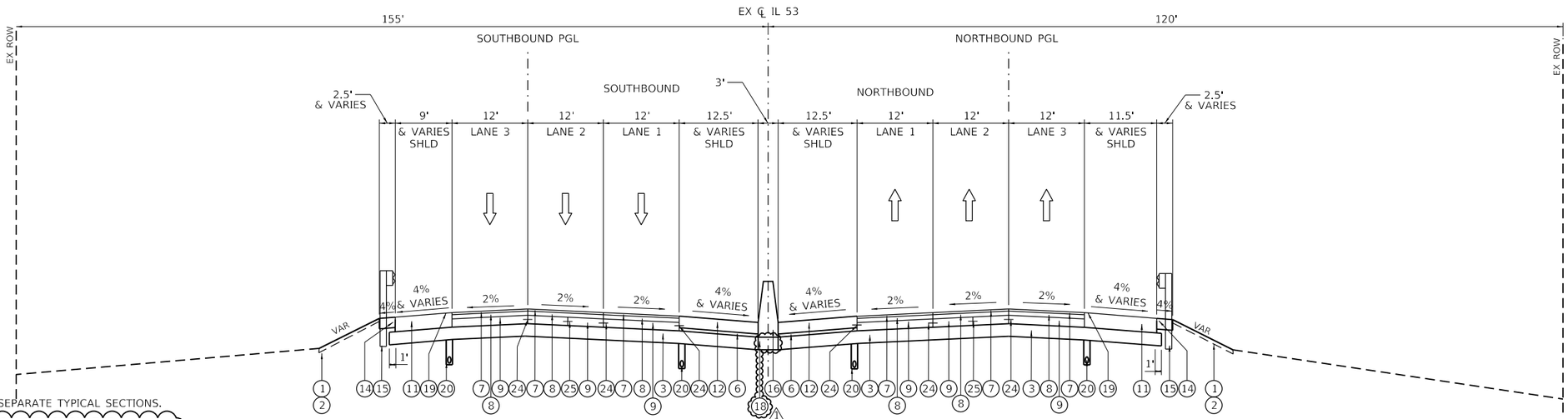


PROPOSED TYPICAL SECTION

IL ROUTE 53 (SOUTH APPROACH) AT ANDERSON DRIVE

STA. 1362+61.96 TO STA. 1365+01.00
BRIDGE OMISSION STA. 1365+01.00 TO STA. 1365+51.69



NOTES:

1. MAINLINE RESURFACING SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT. ⚠1
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT. SEE SCHEDULE.

PROPOSED TYPICAL SECTION

IL ROUTE 53 (NORTH APPROACH) AT ANDERSON DRIVE

STA. 1365+51.69 TO STA. 1368+38.17

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3" ⚠
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" ⚠

⚠1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TYPICAL SECTIONS

SCALE: NA | SHEET 6 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	52
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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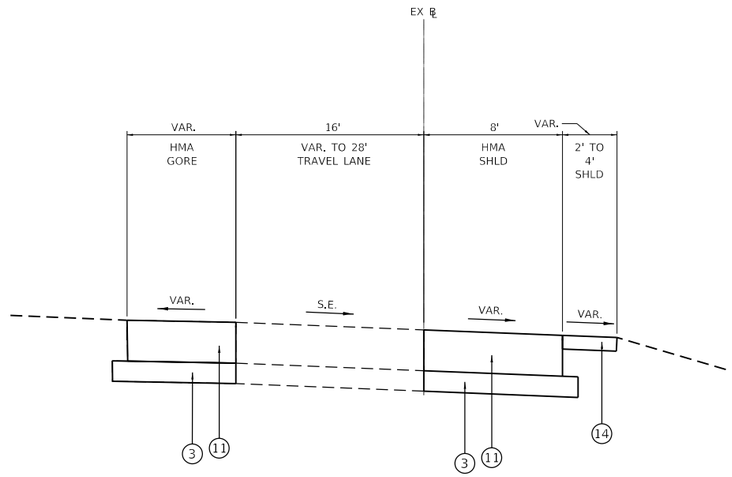

PROPOSED SB IL 53 ON RAMP AT US 14 (NORTHWEST HWY) TYPICAL SECTION

STA. 1113+00 TO STA. 1113+71.83

NOTES:

1. MAINLINE RESURFACING SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT. ⚠1
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT. SEE SCHEDULE.

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3"
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
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18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
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26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" ⚠1

⚠1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TYPICAL SECTIONS

SCALE: NA | SHEET 7 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	53
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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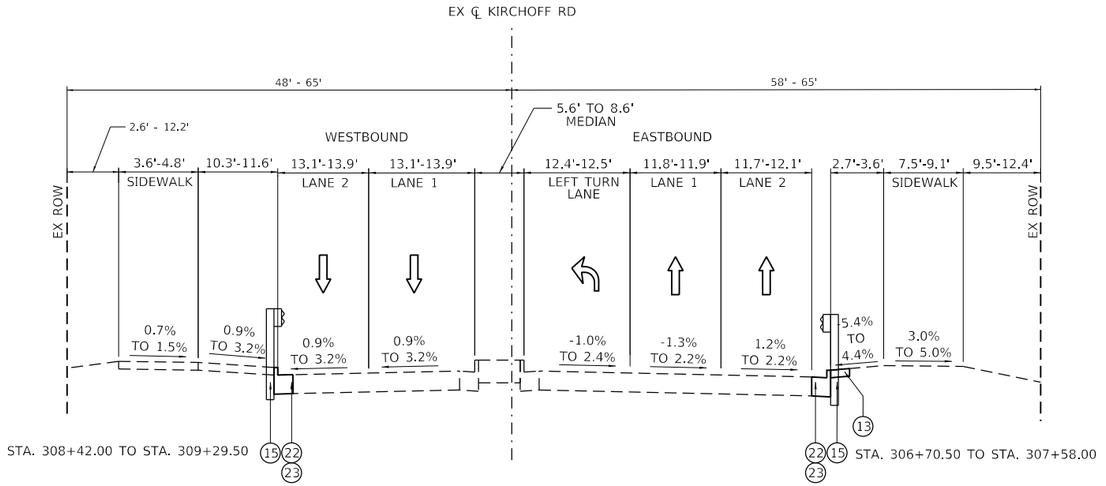

PROPOSED TYPICAL SECTION
KIRCHOFF ROAD AT IL ROUTE 53

STA. 306+70.50 TO STA. 307+58.00
STA. 308+42.00 TO STA. 309+29.50

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3"
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" ⚠1

⚠1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KIRCHOFF ROAD
TYPICAL SECTIONS

SCALE: NA | SHEET 8 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	54
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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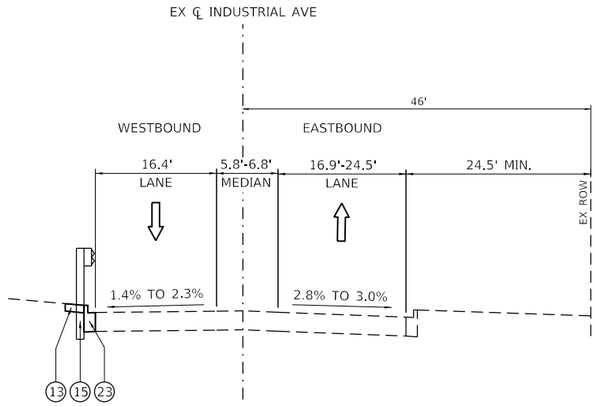

PROPOSED TYPICAL SECTION
INDUSTRIAL AVENUE

STA. 504+85.00 TO STA. 505+67.96

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3"
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
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12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
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30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" ⚠1

⚠1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
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PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDUSTRIAL AVENUE
TYPICAL SECTIONS

SCALE: NA | SHEET 9 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	55
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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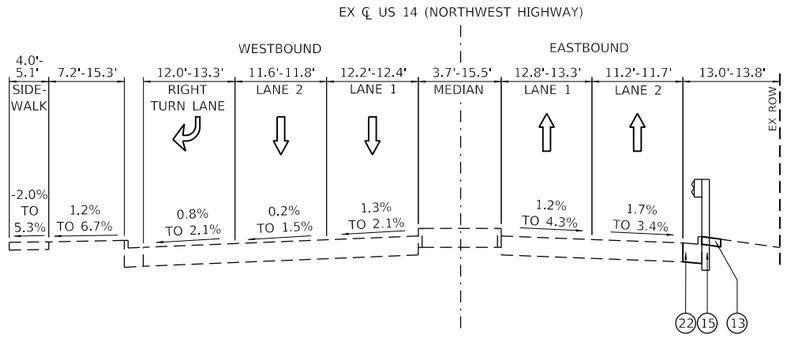
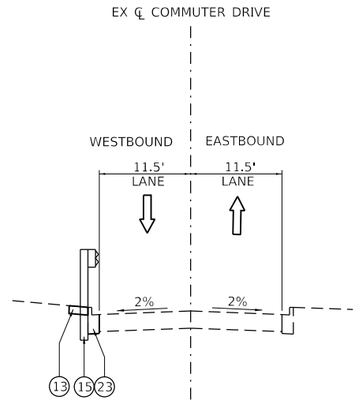


PROPOSED TYPICAL SECTION
US ROUTE 14 (NORTHWEST HIGHWAY)

STA. 608+32.19 TO STA. 610+19.58



PROPOSED TYPICAL SECTION
COMMUTER DRIVE

STA. 923+47.03 TO STA. 924+59.90

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3"
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
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16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" ⚠1

⚠1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14 & COMMUTER DRIVE
TYPICAL SECTIONS

SCALE: NA | SHEET 10 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	56
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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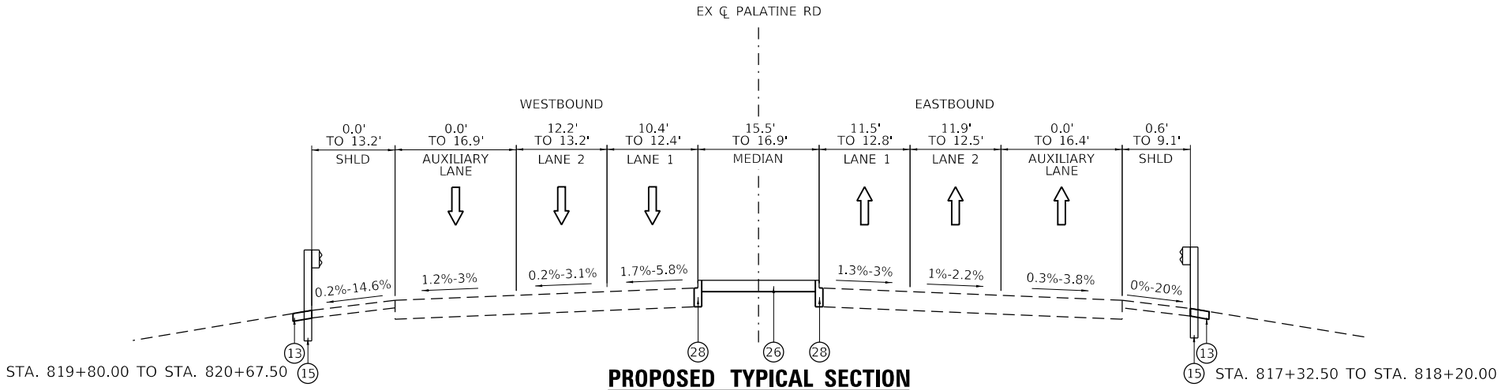
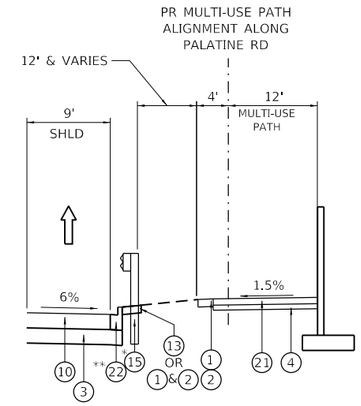


STA. 819+80.00 TO STA. 820+67.50

STA. 817+32.50 TO STA. 818+20.00

PROPOSED TYPICAL SECTION
PALATINE ROAD

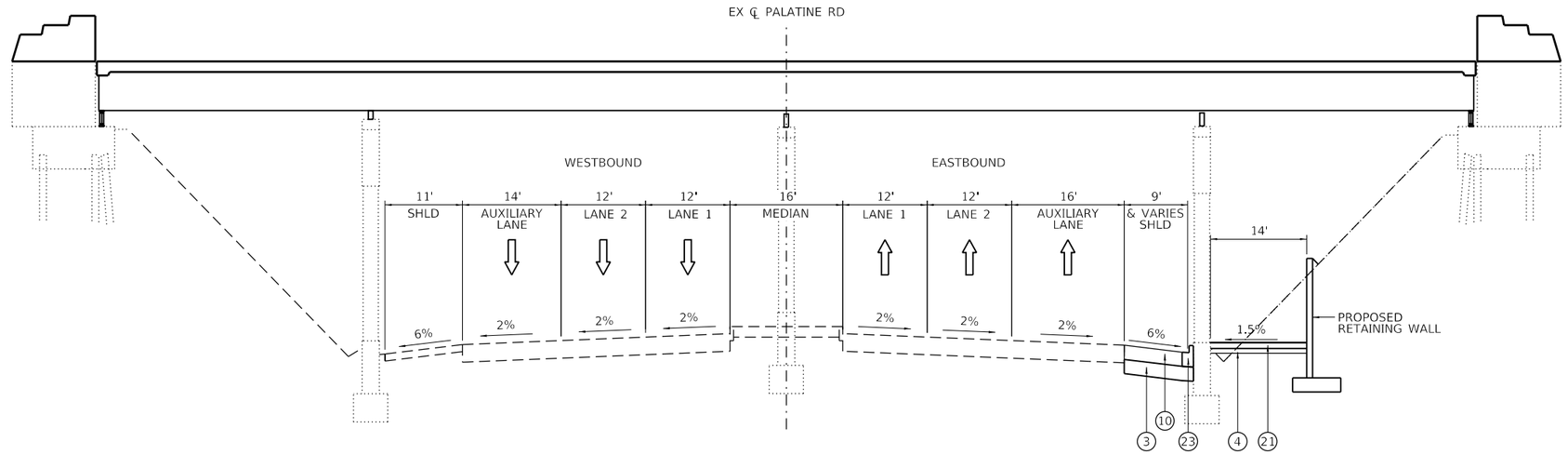
STA. 817+29.97 TO STA. 818+29.97
STA. 819+68.84 TO STA. 820+68.84



PROPOSED TYPICAL SECTION
MULTI–USE PATH ALONG PALATINE ROAD

STA. 40+89.56 TO STA. 41+63.98
STA. 43+23.37 TO STA. 43+86.97

* STA. 40+90.59 TO STA. 41+76.56
** DEPRESSED C&G: STA. 40+88.07 TO STA. 41+17.90
** TYPE B-6.12: STA. 41+17.90 TO STA. 41+63.98 & STA. 43+23.37 TO STA. 43+86.97



PROPOSED TYPICAL SECTION
PALATINE ROAD AT IL ROUTE 53

STA. 818+29.97 TO STA. 819+68.84

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED
6. SUBBASE GRANULAR MATERIAL, TYPE B 3"
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" ⚠1

⚠1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
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PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PALATINE ROAD
TYPICAL SECTIONS

SCALE: NA | SHEET 11 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	57
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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IDOT DISTRICT ONE HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)	MTD REQUIRED? (YES/NO)
PAVEMENT RECONSTRUCTION (IL ROUTE 53 MAINLINE)			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2"	3.5% @ 80 GYR	PFP	YES
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 4"	3.5% @ 80 GYR	PFP	YES
PAVEMENT RESURFACING (IL ROUTE 53 MAINLINE)			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2"	3.5% @ 80 GYR	PFP	YES
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2"	3.5% @ 80 GYR	PFP	YES
PAVEMENT RESURFACING (IL ROUTE 53 OUTSIDE SHOULDER)			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"	4% @ 70 GYR	QCP	NO
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/2"	4% @ 70 GYR	QC/QA ⚠1	NO
HMA SHOULDERS 14"			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR	QCP	NO
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: 12"	4% @ 70 GYR	QCP	NO
HMA SHOULDER RECONSTRUCTION (IL 53 SOUTHBOUND OUTSIDE SHOULDER SOUTH OF EUCLID AVENUE)			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2"	3.5% @ 80 GYR	QC/QA	NO
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12"	4.0% @ 70 GYR	QC/QA	NO ⚠
PAVEMENT RESURFACING (IL ROUTE 53 RAMPS)			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"	4% @ 70 GYR	QCP	NO
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR	QCP	NO
PAVEMENT RESURFACING (ANDERSON DRIVE)			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR	QCP	NO
TEMPORARY PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70: 2"	4% @ 70 GYR	QC/QA	NO
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: 8"	4% @ 70 GYR	QC/QA	NO
TEMPORARY RAMP (SPECIAL)			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70: VAR. DEPTH ⚠1	4% @ 70 GYR	QC/QA	NO
HMA SHOULDERS 12"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70: 2"	4% @ 70 GYR	QC/QA	NO
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: 10"	4% @ 70 GYR	QC/QA	NO
PATCHING (IL ROUTE 53 MAINLINE)			
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HOT-MIX ASPHALT BINDER IL-19)	4% @ 90 GYR	QC/QA	NO
PATCHING (IL ROUTE 53 OUTSIDE SHOULDER AND RAMPS)			
CLASS D PATCHES (HOT-MIX ASPHALT BINDER IL-19 mm)	4% @ 90 GYR	QC/QA	NO
CLASS D PATCHES (SPECIAL)			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70: TOP 2"	4% @ 70 GYR	QC/QA	NO ⚠
HOT-MIX ASPHALT BINDER IL-19 mm	4% @ 70 GYR	QC/QA	NO
STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"			
STABILIZED SUBBASE-HMA (HMA BINDER IL-19.0)	3% @ 50 GYR	QC/QA	NO

QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)

HOT-MIX ASPHALT NOTES:

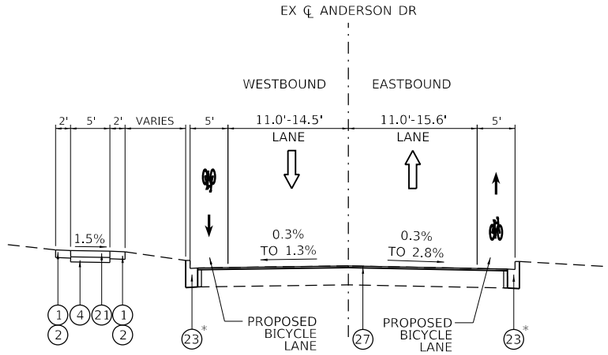
THE UNIT WEIGHT USED TO CALCULATE HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HOT-MIX ASPHALT MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HOT-MIX ASPHALT THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

IF THE CONTRACTOR CHOOSES TO USE PORTLAND CEMENT CONCRETE FOR TEMPORARY PAVEMENT, THE THICKNESS SHALL BE 8" PLACED OVER SUBBASE GRANULAR MATERIAL, TYPE B 4". PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

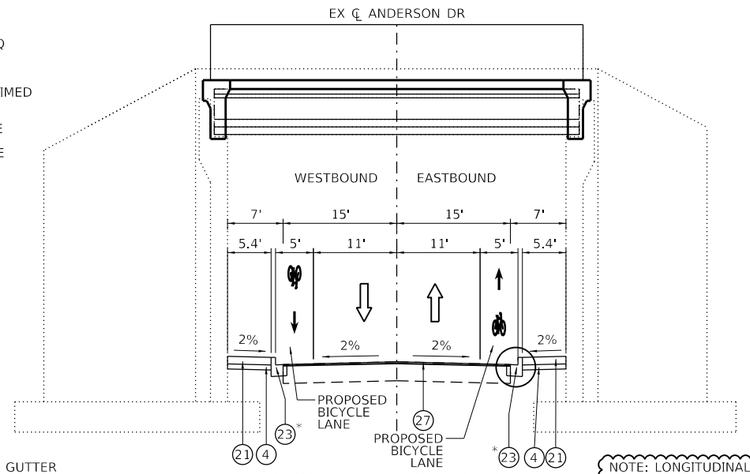
NOTES:

1. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.
2. CONTRACTOR SHALL NOT MILL INTO THE CRC PAVEMENT.



PROPOSED TYPICAL SECTION
ANDERSON DRIVE

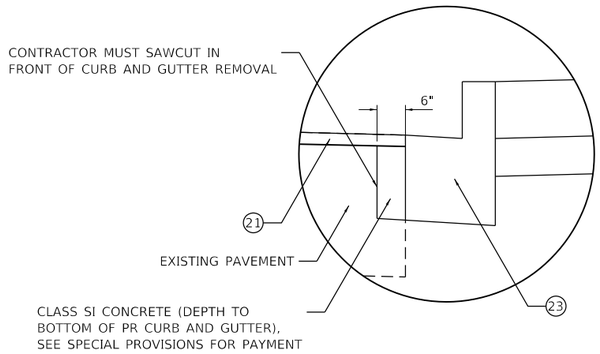
STA. 901+01.57 TO STA. 902+39.14
STA. 903+61.05 TO STA. 904+69.42



* SEE COMBINATION CURB AND GUTTER DETAIL ADJACENT TO RESURFACING

PROPOSED TYPICAL SECTION
ANDERSON DRIVE AT IL ROUTE 53

STA. 902+39.14 TO STA. 903+61.05



NOTE: LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE MILLED SURFACE. ⚠1

COMBINATION CURB AND GUTTER DETAIL ADJACENT TO RESURFACING

LEGEND:

1. TOPSOIL FURNISH AND PLACE, 6"
2. SEEDING, CLASS 2A
3. AGGREGATE SUBGRADE IMPROVEMENT, 12"
4. SUBBASE GRANULAR MATERIAL, TYPE B 4"
5. NOT USED ⚠1
6. SUBBASE GRANULAR MATERIAL, TYPE B 3" ⚠1
7. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
8. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, SMA, 12.5, N80, 4"
9. CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
10. HOT-MIX ASPHALT SHOULDERS, 12"
11. HOT-MIX ASPHALT SHOULDERS, 14"
12. PORTLAND CEMENT CONCRETE SHOULDERS, 11"
13. AGGREGATE SHOULDERS, TYPE B, 6"
14. AGGREGATE SHOULDERS, TYPE B, 10"
15. STEEL PLATE BEAM GUARDRAIL (SEE PLANS FOR TYPE AND POST SPACING)
16. CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT
17. CONCRETE BARRIER, VARIABLE CROSS SECTION, 44 INCH HEIGHT
18. CONCRETE BARRIER BASE
19. SHOULDER RUMBLE STRIP, 16 INCH
20. PIPE UNDERDRAIN, TYPE 2, 6"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
23. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
24. TIE BARS PER STD 420001
25. DOWEL BAR AND CONSTRUCTION JOINT
26. CONCRETE MEDIAN SURFACE, 4 INCH
27. HOT-MIX ASPHALT, SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
28. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
29. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"
30. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12" ⚠1

⚠1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANDERSON DRIVE
TYPICAL SECTIONS

SCALE: NA | SHEET 12 OF 12 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	58
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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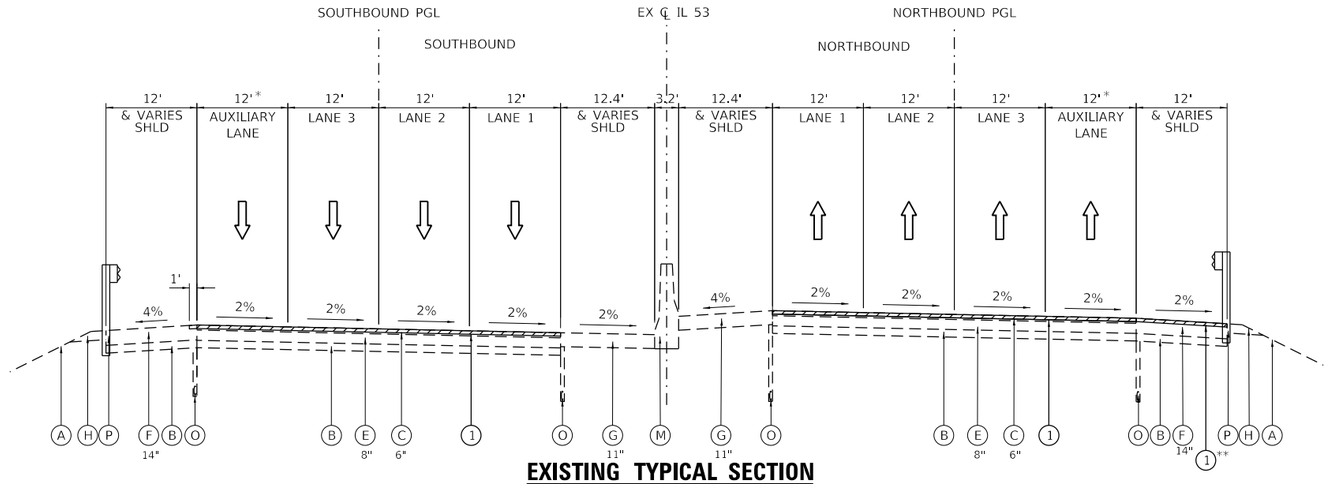
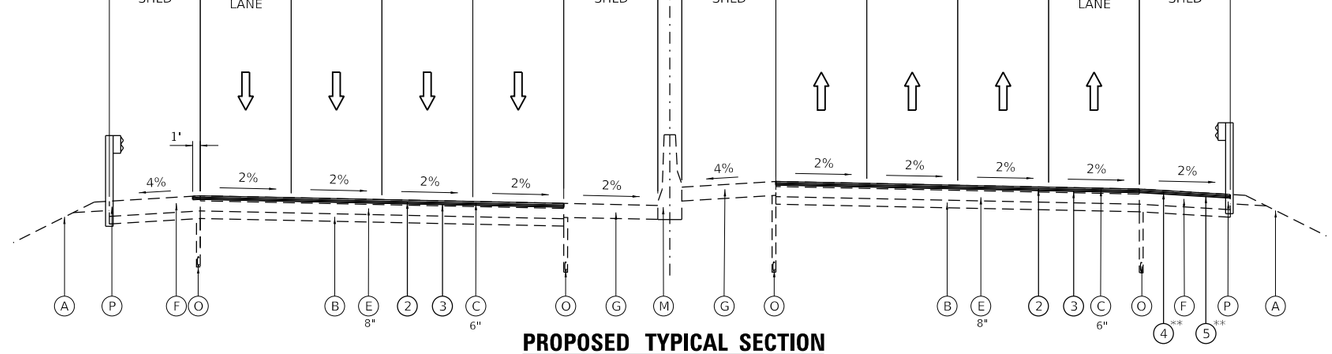


EXISTING TYPICAL SECTION

IL ROUTE 53

STA. 1185+00.00 TO STA. 1203+35.36
(OMISSION STA. 1203+35.36 TO STA. 1210+28.11)
STA. 1210+28.11 TO STA. 1253+94.59
(OMISSION STA. 1253+94.59 TO STA. 1259+92.95)
STA. 1259+92.95 TO STA. 1278+15.32

* STA. 1225+50.00 TO STA. 1232+26.00
** STA. 1189+89.50 TO STA. 1198+88.50



PROPOSED TYPICAL SECTION

IL ROUTE 53

STA. 1185+00.00 TO STA. 1203+35.36
(OMISSION STA. 1203+35.36 TO STA. 1210+28.11)
STA. 1210+28.11 TO STA. 1253+94.59
(OMISSION STA. 1253+94.59 TO STA. 1259+92.95)
STA. 1259+92.95 TO STA. 1278+15.32

* STA. 1225+50.00 TO STA. 1232+26.00
** STA. 1189+89.50 TO STA. 1198+88.50

NOTES:

1. ROADWAY AND SHOULDER RECONSTRUCTION SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT. (1)
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT. SEE SCHEDULE.

EXISTING LEGEND:

- (A) EXISTING TOPSOIL
- (B) EXISTING AGGREGATE SUBGRADE
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING PCC PAVEMENT
- (E) EXISTING C.R.C. PAVEMENT
- (F) EXISTING HMA SHOULDER
- (G) EXISTING PCC SHOULDER
- (H) EXISTING AGGREGATE SHOULDER
- (I) EXISTING HMA GORE
- (J) EXISTING CURB
- (K) EXISTING CURB AND GUTTER
- (L) EXISTING CONCRETE MEDIAN
- (M) EXISTING MEDIAN CONCRETE BARRIER
- (N) EXISTING SIDEWALK
- (O) EXISTING PIPE UNDERDRAIN
- (P) EXISTING GUARDRAIL
- (Q) EXISTING SLOPE WALL
- (R) EXISTING RETAINING WALL

RESURFACING LEGEND:

- (1) HMA SURFACE REMOVAL, 4"
- (2) PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
- (3) PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- (4) PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
- (5) PR HMA BINDER COURSE, IL-19.0, N70, 2½"
- PROPOSED HMA SURFACE REMOVAL

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING TYPICAL SECTIONS

SCALE: NA | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	59
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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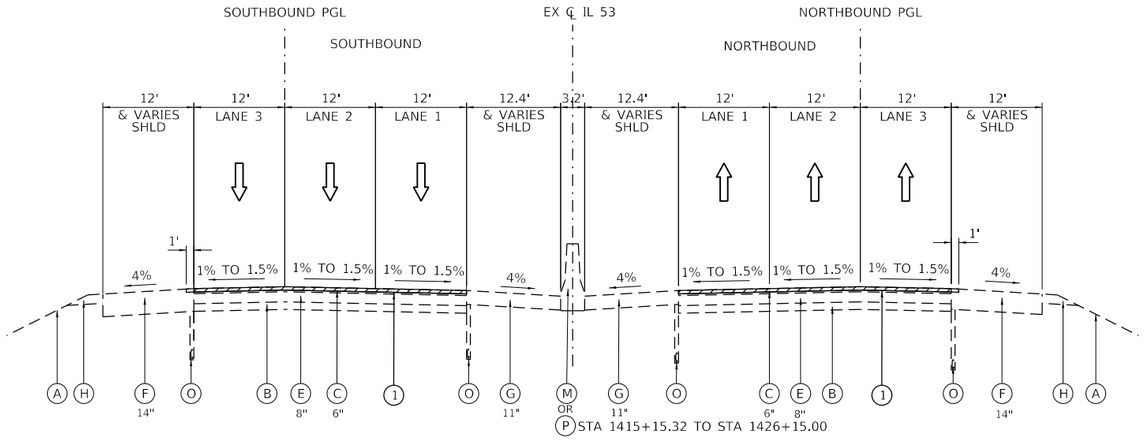
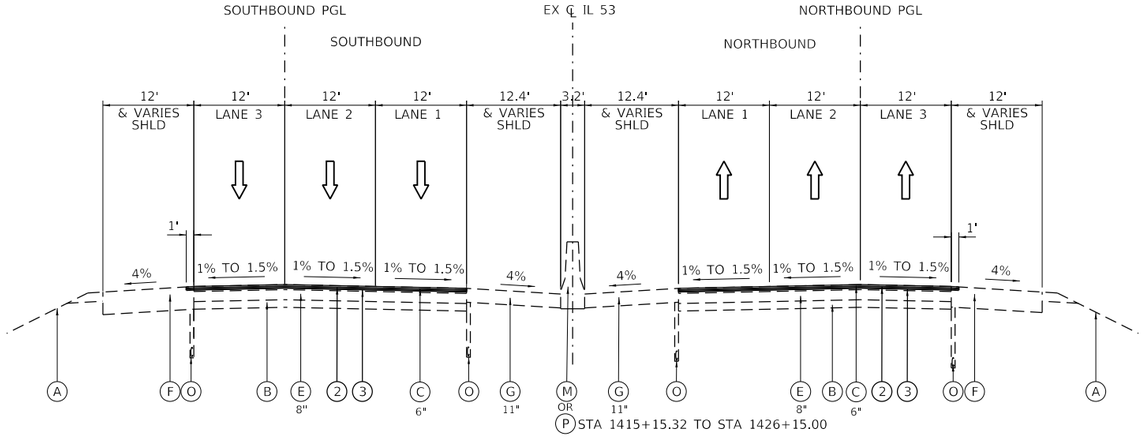


EXISTING TYPICAL SECTION

IL ROUTE 53

STA. 1287+84.09 TO STA. 1320+42.00
STA. 1353+78.01 TO STA. 1362+62.96
(OMISSION STA. 1362+62.96 TO STA. 1368+38.17)
STA. 1368+38.17 TO STA. 1382+00.00



PROPOSED TYPICAL SECTION

IL ROUTE 53

STA. 1287+84.09 TO STA. 1320+42.00
STA. 1353+78.01 TO STA. 1362+62.96
(OMISSION STA. 1362+62.96 TO STA. 1368+38.17)
STA. 1368+38.17 TO STA. 1382+00.00

NOTES:

1. ROADWAY AND SHOULDER RECONSTRUCTION SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT. (1)
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT. SEE SCHEDULE.

EXISTING LEGEND:

(A)	EXISTING TOPSOIL	(F)	EXISTING HMA SHOULDER	(K)	EXISTING CURB AND GUTTER	(P)	EXISTING GUARDRAIL
(B)	EXISTING AGGREGATE SUBGRADE	(G)	EXISTING PCC SHOULDER	(L)	EXISTING CONCRETE MEDIAN	(Q)	EXISTING SLOPE WALL
(C)	EXISTING HMA PAVEMENT	(H)	EXISTING AGGREGATE SHOULDER	(M)	EXISTING MEDIAN CONCRETE BARRIER	(R)	EXISTING RETAINING WALL
(D)	EXISTING PCC PAVEMENT	(I)	EXISTING HMA GORE	(N)	EXISTING SIDEWALK		
(E)	EXISTING C.R.C. PAVEMENT	(J)	EXISTING CURB	(O)	EXISTING PIPE UNDERDRAIN		

RESURFACING LEGEND:

(1)	HMA SURFACE REMOVAL, 4"
(2)	PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
(3)	PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
(4)	PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
(5)	PR HMA BINDER COURSE, IL-19.0, N70, 2½"
	PROPOSED HMA SURFACE REMOVAL

(1) REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - (1) 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING TYPICAL SECTIONS

SCALE: NA | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	60
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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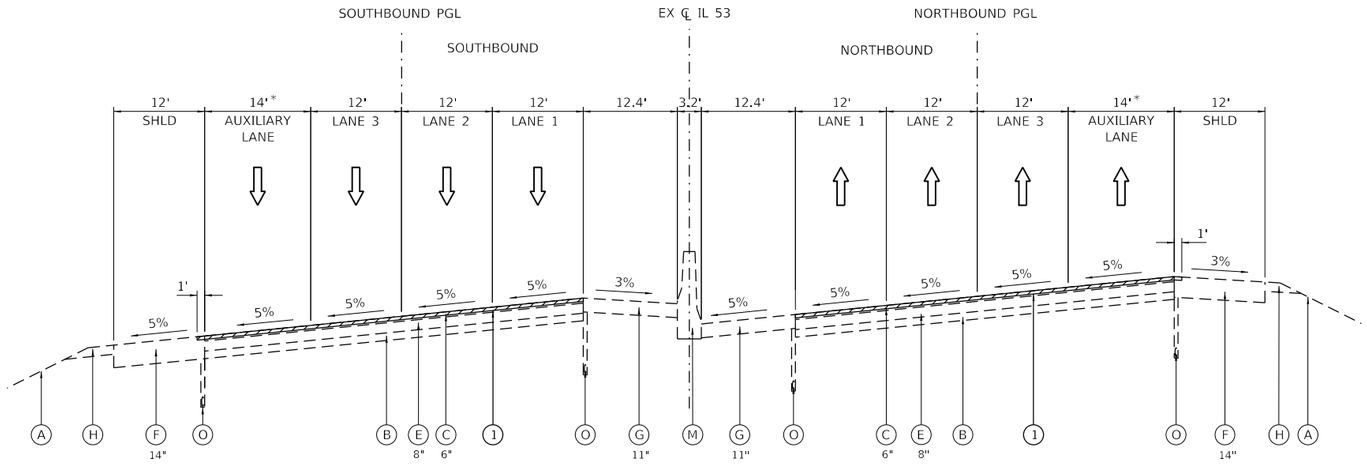
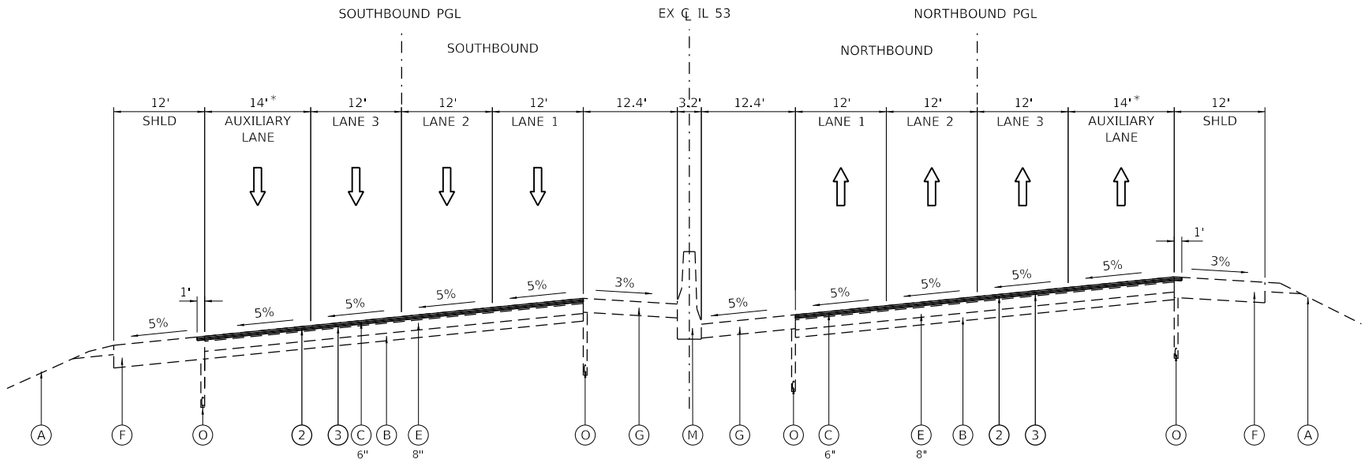


EXISTING TYPICAL SECTION
IL ROUTE 53

STA. 1320+42.00 TO STA. 1339+36.45
(OMISSION STA. 1339+36.45 TO STA. 1346+05.68)
STA. 1346+05.68 TO STA. 1353+78.01



PROPOSED TYPICAL SECTION
IL ROUTE 53

STA. 1320+42.00 TO STA. 1339+36.45
(OMISSION STA. 1339+36.45 TO STA. 1346+05.68)
STA. 1346+05.68 TO STA. 1353+78.01

* STA. 1339+03.00 TO STA. 1344+48.00

NOTES:

1. ROADWAY AND SHOULDER RECONSTRUCTION SHOWN ON SEPARATE TYPICAL SECTIONS.
2. FOR MAINLINE RESURFACING AND RECONSTRUCTION, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE P HMA BC SMA 12.5 N80 LIFT. ⚠1
3. THE LONGITUDINAL JOINT SEALANT, HALF-WIDTH SHALL BE PLACED ON TOP OF THE P HMA BC AT THE SHOULDER JOINT AND STAGE JOINT. SEE SCHEDULE.

EXISTING LEGEND:

(A)	EXISTING TOPSOIL	(F)	EXISTING HMA SHOULDER	(K)	EXISTING CURB AND GUTTER	(P)	EXISTING GUARDRAIL
(B)	EXISTING AGGREGATE SUBGRADE	(G)	EXISTING PCC SHOULDER	(L)	EXISTING CONCRETE MEDIAN	(Q)	EXISTING SLOPE WALL
(C)	EXISTING HMA PAVEMENT	(H)	EXISTING AGGREGATE SHOULDER	(M)	EXISTING MEDIAN CONCRETE BARRIER	(R)	EXISTING RETAINING WALL
(D)	EXISTING PCC PAVEMENT	(I)	EXISTING HMA GORE	(N)	EXISTING SIDEWALK		
(E)	EXISTING C.R.C. PAVEMENT	(J)	EXISTING CURB	(O)	EXISTING PIPE UNDERDRAIN		

RESURFACING LEGEND:

(1)	HMA SURFACE REMOVAL, 4"
(2)	PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
(3)	PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
(4)	PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"
(5)	PR HMA BINDER COURSE, IL-19.0, N70, 2½"
	PROPOSED HMA SURFACE REMOVAL

⚠1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING TYPICAL SECTIONS

SCALE: NA | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	61
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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IL RTE. 53 JOINT SEALANT SCHEDULE

LOCATION				* LONGITUDINAL JOINT SEALANT	** LONGITUDINAL JOINT SEALANT, HALF WIDTH
			Direction	40600370	40600372
NOTES	FROM STA.	TO STA.	NB/SB	FOOT	FOOT
SOUTH LIMITS TO KIRCHOFF RD					
	1185+00.00	1204+95.78	NB	15,511	
	1185+00.00	1205+07.51	NB		11,866
	1185+00.00	1205+57.34	SB	14,663	
	1185+00.00	1205+68.71	SB		16,031
KIRCHOFF RD TO INDUSTRIAL AVE					
	1207+47.12	1256+13.42	NB	44,311	
	1207+35.73	1256+21.63	NB		37,847
	1208+03.88	1255+70.29	SB	41,404	
	1207+93.36	1258+78.29	SB		37,157
INDUSTRIAL AVE TO US ROUTE 14 (NW HWY)					
	1257+73.43	1278+15.32	NB	7,965	
	1258+10.94	1278+15.32	NB		15,480
	1257+73.43	1277+82.49	SB	8,019	
	1259+92.96	1277+82.49	SB		15,613
US 14 (NW HWY) TO PALATINE RD					
	1288+18.41	1341+44.36	NB	46,940	
	1288+18.41	1341+33.60	NB		48,957
	1287+84.09	1341+21.95	SB	47,969	
	1287+84.09	1341+25.49	SB		35,212
PALATINE RD TO ANDERSON RD					
	1343+97.47	1364+63.54	NB	19,648	
	1343+86.10	1364+65.46	NB		16,065
	1343+81.89	1364+73.79	SB	18,455	
			SB		15,601
PALATINE RD TO ANDERSON RD					
	1365+73.78	1383+00.00	NB	6,901	
	1365+71.85	1383+00.00	NB		13,275
	1365+84.03	1383+00.00	SB	6,860	
	1365+82.11	1383+00.00	SB		13,214
			TOTALS	278,646	276,320

* LJS FULL WIDTH APPLIED BEFORE AND AFTER BINDER COURSE (2 APPLICATIONS)

**LJS HALF WIDTH APPLIED ON TOP OF BINDER COURSE AT SHOULDER JOINTS AND STAGE CONSTRUCTION JOINTS (1 APPLICATION ON EITHER SIDE OF JOINT = 2 TOTAL)

1 ADDED ENTIRE SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 13A OF 13 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	75A
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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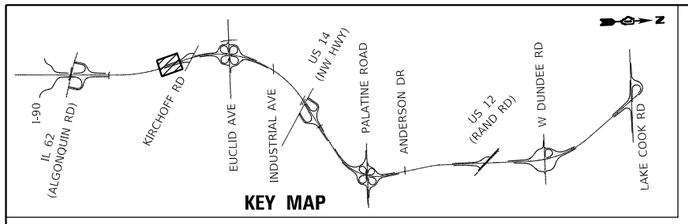

KEY MAP

N

0 50 100 150

SCALE IN FEET

END CONTRACT 62N91
BEGIN CONTRACT 62W38 IMPROVEMENTS
STA. 1185+00.00

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3184+84.49 TO STA. 3184+88.99 ⚠1

PAVED SHOULDER REMOVAL
STA. 3184+88.99 TO STA. 660+10.19

PAVED SHOULDER REMOVAL
STA. 3184+88.99 TO STA. 660+10.19

EX. ℄ IL 53

EX. IL 53 SB PGL

PAVED SHOULDER REMOVAL
STA. 3187+87.41 TO STA. 3198+87.11

CONCRETE BARRIER REMOVAL
STA. 1188+00.00 TO STA. 1199+00.00

GUARDRAIL REMOVAL
STA. 3184+88.99 TO STA. 3199+87.11

℄ EXISTING SB IL 53
ON RAMP AT KIRCHOFF RD

EX ROW

IL RTE. 53 (FAP 342)

MATCH LINE STA. 1199+00.00

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2185+06.51 TO STA. 2175+11.01 ⚠1

EX ROW

GUARDRAIL REMOVAL
STA. 2185+11.01 TO STA. 2190+07.43

PAVED SHOULDER REMOVAL
STA. 2185+11.01 TO STA. 2189+97.97 ⚠1

EX. IL 53 NB PGL

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2189+97.97 TO STA. 2190+02.47 ⚠1

PAVED SHOULDER REMOVAL
STA. 2188+12.58 TO STA. 2199+12.89

℄ EXISTING NB IL 53
ON RAMP AT KIRCHOFF RD

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2199+02.60 TO STA. 2199+07.10 ⚠1

EX ROW

PAVED SHOULDER REMOVAL
STA. 2199+07.10 TO STA. 2199+12.89 ⚠1

GUARDRAIL REMOVAL
STA. 2199+04.83 TO STA. 2199+12.18

GUARDRAIL REMOVAL
STA. 639+44.87 TO STA. 640+01.40

LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

⚠1 REVISED SHEET 10/30/2024

MODEL: Default
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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 1 OF 25 SHEETS | STA. 1186+00.00 TO STA. 1199+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	91
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

N

0 50 100 150
SCALE IN FEET

REMOVAL OF EXISTING SUPERSTRUCTURE NO. 2 (SN 016-1121)

PAVED SHOULDER REMOVAL
STA. 3200+27.39 TO STA. 3205+73.04

APPROACH SLAB REMOVAL
STA. 3205+05.33 TO STA. 3206+00.21

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 3203+33.09 TO STA. 3205+05.33

PAVED SHOULDER REMOVAL
STA. 3198+87.11 TO STA. 3205+05.33

PAVED SHOULDER REMOVAL
STA. 658+61.81 TO STA. 660+09.68

CONCRETE BARRIER REMOVAL
STA. 1199+00.00 TO STA. 1203+93.90

CONCRETE BARRIER REMOVAL (SPECIAL)
STA. 1203+93.90 TO STA. 1205+54.50

HMA SURFACE REMOVAL - BUTT JOINT
STA. 658+57.31 TO STA. 658+61.81

GUARDRAIL REMOVAL
STA. 660+09.68 TO STA 651+37.68

℄ EXISTING SB IL 53
ON RAMP AT KIRCHOFF RD

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3200+22.89 TO STA. 3200+27.39

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3203+18.85 TO STA. 3203+23.35

PAVEMENT REMOVAL
STA. 3203+23.35 TO STA. 3203+33.09

EX. IL 53 SB PGL

EX. ℄ IL 53

IL RTE. 53 (FAP 342)

EX. IL 53 NB PGL

MATCH LINE STA. 1199+00.00

℄ EXISTING NB IL 53
OFF RAMP AT KIRCHOFF RD

HMA SURFACE REMOVAL
- BUTT JOINT
STA. 2202+70.73 TO
STA. 2202+75.23

GUARDRAIL REMOVAL
STA. 640+07.30 TO STA. 644+12.25

GUARDRAIL REMOVAL
STA. 640+01.40 TO STA. 644+09.44

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 2202+85.64 TO STA. 2204+66.41

GUARDRAIL REMOVAL
STA. 2199+12.89 TO STA. 2205+06.00

PAVED SHOULDER REMOVAL
STA. 2199+12.89 TO STA. 2204+66.41

PAVED SHOULDER REMOVAL
STA. 2199+12.89 TO STA. 2204+79.67

PAVEMENT REMOVAL
STA. 2202+75.23 TO STA. 2202+85.64

EX. ℄ KIRCHOFF ROAD

APPROACH SLAB REMOVAL
STA. 2204+66.41 TO STA. 2205+48.98

REMOVAL OF EXISTING
SUPERSTRUCTURE NO. 1 (SN 016-0376)

PAVED SHOULDER REMOVAL
STA. 2207+31.59 TO STA. 2213+55.58

APPROACH SLAB REMOVAL
STA. 2207+14.14 TO STA. 2208+00.03

KIRCHOFF ROAD

APPROACH SLAB REMOVAL
STA. 3207+47.25 TO STA. 3208+38.77

CONCRETE BARRIER REMOVAL (SPECIAL)
STA. 1207+49.57 TO STA. 1208+95.61

PAVED SHOULDER REMOVAL
STA. 3208+13.26 TO STA. 867+92.60

PAVED SHOULDER REMOVAL
STA. 3208+38.77 TO STA. 3210+20.49

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 3208+38.77 TO STA. 3210+10.43

CONCRETE BARRIER REMOVAL
STA. 1208+95.61 TO STA. 1210+28.11

PAVEMENT REMOVAL
STA. 3210+10.43 TO STA. 3210+20.49

GUARDRAIL REMOVAL
STA. 3207+97.70 TO STA. 3213+03.94

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3210+20.49 TO STA. 3210+24.99

MATCH LINE STA. 1213+50.00

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2209+85.32 TO STA. 2209+89.82

PAVED SHOULDER REMOVAL
STA. 2208+00.03 TO STA. 2210+35.71

PAVEMENT REMOVAL
STA. 2209+75.22 TO STA. 2209+85.32

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 2208+00.03 TO STA. 2209+75.22

GUARDRAIL REMOVAL
STA. 2207+07.90 TO 2213+55.58

EX ROW

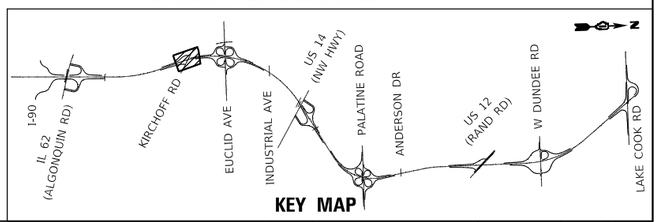
LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

NOTES:

1. LIMITS OF THE EXISTING LUG SYSTEMS ARE SHOWN FOR INFORMATION ONLY. ACTUAL LOCATIONS OF REMOVAL SHALL BE VERIFIED IN THE FIELD.

1 REVISED SHEET 10/30/2024



KEY MAP

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
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PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 2 OF 25 SHEETS | STA. 1199+00.00 TO STA. 1213+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	92
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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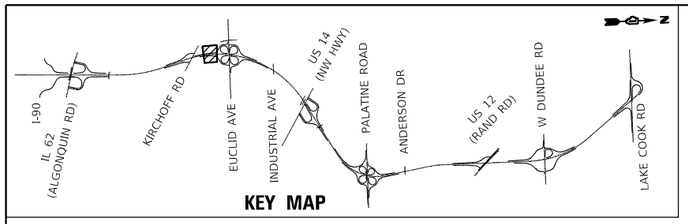

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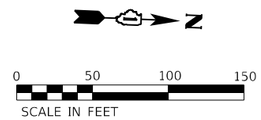

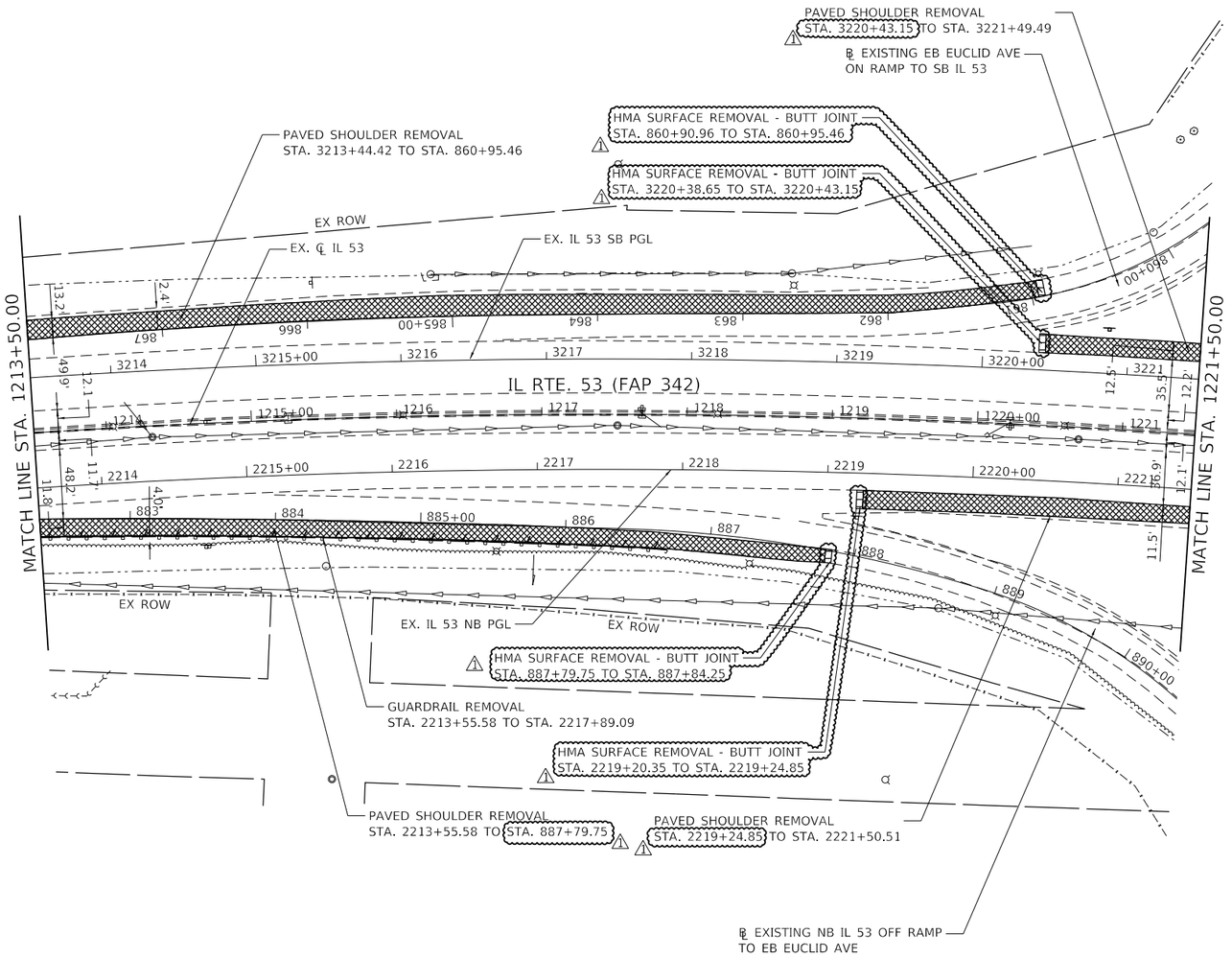

LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

1 REVISED SHEET 10/30/2024

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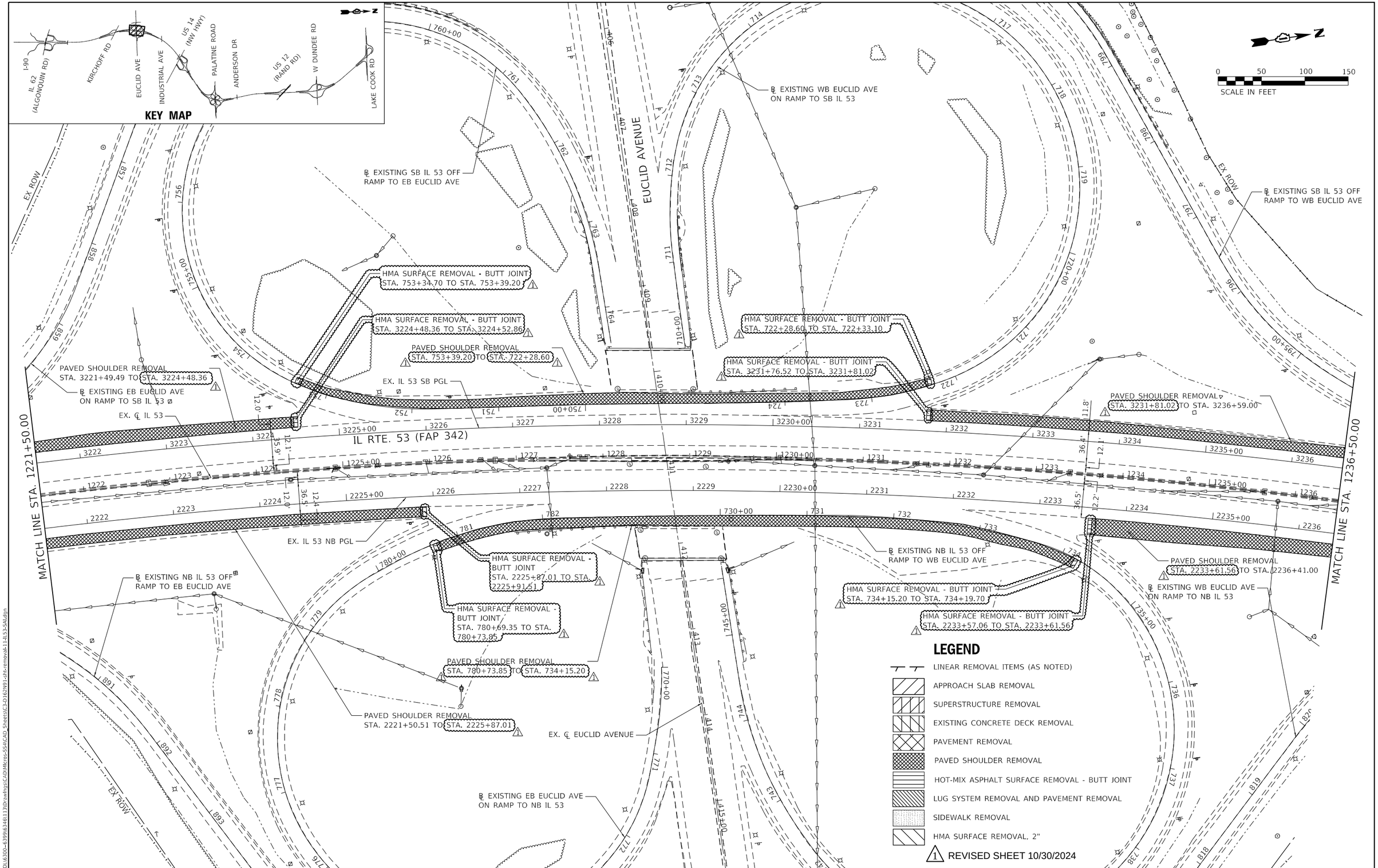
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 3 OF 25 SHEETS | STA. 1213+50.00 TO STA. 1221+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	93
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

1 REVISED SHEET 10/30/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 4 OF 25 SHEETS | STA. 1221+50.00 TO STA. 1236+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	94
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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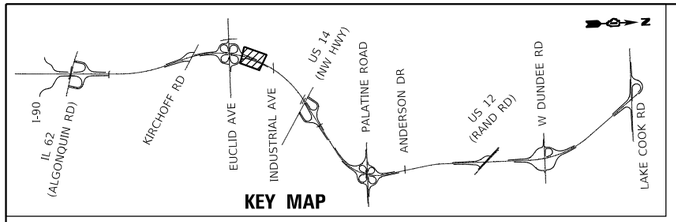

KEY MAP

N

0 50 100 150

SCALE IN FEET

PAVED SHOULDER REMOVAL
STA. 3236+59.00 TO STA. 3238+27.85 ⚠1

℄ EXISTING SB IL 53 OFF
RAMP TO WB EUCLID AVE

HMA SURFACE REMOVAL - BUTT JOINT
STA. 792+47.11 TO STA. 792+51.61 ⚠1

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3238+27.85 TO STA. 3238+32.35 ⚠1

PAVED SHOULDER REMOVAL
STA. 792+47.11 TO STA. 3249+67.24 ⚠1

GUARDRAIL REMOVAL
STA. 3247+44.78 TO STA. 3249+67.24

EX ROW

EX. ℄ IL 53

EX. IL 53 SB PGL

MATCH LINE STA. 1236+50.00

MATCH LINE STA. 1249+50.00

IL RTE. 53 (FAP 342)

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2239+26.33 TO STA. 2239+30.83 ⚠1

EX. IL 53 NB PGL

EX ROW

CONCRETE BARRIER REMOVAL
STA. 1242+56.00 TO 1243+05.00

GUARDRAIL REMOVAL
STA. 2247+13.71 TO STA. 2249+32.76

HMA SURFACE REMOVAL - BUTT JOINT
STA. 823+35.66 TO STA. 823+40.16 ⚠1

PAVED SHOULDER REMOVAL
STA. 823+40.16 TO STA. 833+46.75 ⚠1

PAVED SHOULDER REMOVAL
STA. 2236+41.00 TO STA. 2239+26.33 ⚠1

℄ EXISTING WB EUCLID AVE
ON RAMP TO NB IL 53

EX ROW

LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

⚠1 REVISED SHEET 10/30/2024

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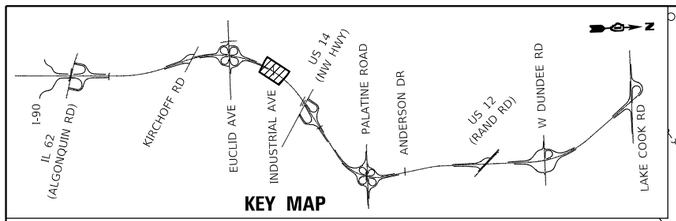
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 5 OF 25 SHEETS | STA. 1236+50.00 TO STA. 1249+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	95
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	



KEY MAP

0 50 100 150
SCALE IN FEET

APPROACH SLAB REMOVAL
STA. 3255+52.76 TO STA. 3256+28.91

CONCRETE BARRIER REMOVAL (SPECIAL)
STA. 1254+52.37 TO STA. 1256+19.75

PAVED SHOULDER REMOVAL
STA. 3249+67.24 TO STA. 3255+82.33

PAVED SHOULDER REMOVAL
STA. 3253+71.32 TO STA. 3255+52.76

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 3253+81.73 TO STA. 3255+52.76

GUARDRAIL REMOVAL
STA. 3249+67.24 TO STA. 3255+90.96

CONCRETE BARRIER REMOVAL
STA. 1253+51.55 TO STA. 1254+52.37

PAVEMENT REMOVAL
STA. 3253+71.32 TO STA. 3253+81.73

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3253+66.82 TO STA. 3253+71.32

REMOVAL OF EXISTING
CONCRETE DECK NO. 2
(SN 016-1120)

PAVED SHOULDER REMOVAL
STA. 3257+71.72 TO STA. 3264+76.71

APPROACH SLAB REMOVAL
STA. 3257+55.00 TO STA. 3258+31.54

CONCRETE BARRIER REMOVAL (SPECIAL)
STA. 1257+67.47 TO STA. 1259+07.43

PAVED SHOULDER REMOVAL
STA. 3257+31.54 TO STA. 3260+88.27

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 3258+31.54 TO STA. 3260+06.68

PAVEMENT REMOVAL
STA. 3260+06.68 TO STA. 3260+16.80

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3260+16.80 TO STA. 3260+21.30

GUARDRAIL REMOVAL
STA. 3257+41.74 TO STA. 3261+74.48

GUARDRAIL REMOVAL
STA. 3261+92.51 TO STA. 3264+76.71

EX. ℄ INDUSTRIAL AVENUE

INDUSTRIAL AVENUE

WINNETKA AVENUE

EX ROW

IL RTE. 53 (FAP 342)

EX. IL 53 SB PGL

EX. IL 53 NB PGL

EX. ℄ IL 53

MATCH LINE STA. 1249+50.00

MATCH LINE STA. 1264+50.00

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2253+69.91 TO STA. 2253+74.41

PAVEMENT REMOVAL
STA. 2253+74.41 TO STA. 2253+82.48

℄ EXISTING WB EUCLID AVE
ON RAMP TO NB IL 53

PAVED SHOULDER REMOVAL
STA. 2253+31.75 TO STA. 2255+54.73

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 2253+82.48 TO STA. 2255+54.73

GUARDRAIL REMOVAL
STA. 2249+32.76 TO STA. 2256+44.13

PAVED SHOULDER REMOVAL
STA. 2249+32.76 TO STA. 2256+37.49

APPROACH SLAB REMOVAL
STA. 2255+54.73 TO STA. 2256+31.53

ROHLWING RD

REMOVAL OF EXISTING
CONCRETE DECK NO. 1
(SN 016-0375)

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2260+23.42 TO STA. 2260+27.92

PAVEMENT REMOVAL
STA. 2260+13.26 TO STA. 2260+23.42

CONCRETE BARRIER REMOVAL
STA. 1259+07.43 TO 1260+64.00

GUARDRAIL REMOVAL
STA. 2257+96.65 TO STA 2264+23.29

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 2258+33.30 TO STA. 2260+13.26

PAVED SHOULDER REMOVAL
STA. 2258+33.30 TO STA. 2260+39.73

PAVED SHOULDER REMOVAL
STA. 2258+12.73 TO STA. 2264+23.29

APPROACH SLAB REMOVAL
STA. 2257+56.78 TO STA. 2258+33.30

LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

NOTES:

1. LIMITS OF THE EXISTING LUG SYSTEMS ARE SHOWN FOR INFORMATION ONLY. ACTUAL LOCATIONS OF REMOVAL SHALL BE VERIFIED IN THE FIELD.

1 REVISED SHEET 10/31/2024

MODEL: Default
FILE NAME: S:\JOL\6300-6399\6346113\Drawings\CAD\Microstation\CAD_Sheets\C3-D162N01-clhc-removal-13-IL53-SAI.dgn

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(815) 744-4200

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PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 6 OF 25 SHEETS | STA. 1249+50.00 TO STA. 1264+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	96
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

0 50 100 150
SCALE IN FEET

N

PROJECT OMISSION
REMOVAL BY OTHERS FROM STA. 3278+17.64 TO STA. 3288+22.36

PAVED SHOULDER REMOVAL
STA. 3288+22.36 TO STA. 3288+56.69 (BY OTHERS)
CONCRETE BARRIER REMOVAL
STA. 1287+84.09 TO STA. 1288+18.41 (BY OTHERS)
GUARDRAIL REMOVAL
STA. 3288+22.36 TO STA. 3289+53.47 (BY OTHERS)
PAVED SHOULDER REMOVAL
STA. 1113+71.83 TO STA. 1115+06.12 (BY OTHERS)

HMA SURFACE REMOVAL - BUTT JOINT
STA. 1113+67.33 TO STA. 1113+71.83
PAVED SHOULDER REMOVAL
STA. 1113+71.83 TO STA. 1113+03.73
HMA SURFACE REMOVAL - BUTT JOINT
STA. 1113+03.73 TO STA. 1112+99.23
℄ EXISTING SB IL 53 ON RAMP AT US 14 (NORTHWEST HWY)
HMA SURFACE REMOVAL BUTT JOINT
STA. 3290+31.78 TO STA. 3290+36.28
PAVED SHOULDER REMOVAL
STA. 3290+31.78 TO STA. 3291+38.27

EX. ℄ US 14 (NORTHWEST HIGHWAY)
EX. ℄ COMMUTER DRIVE
UNION PACIFIC RAILROAD
US RTE. 14 (NORTHWEST HIGHWAY)
COMMUTER DRIVE
EX UP ROW
EX UP ROW

GUARDRAIL REMOVAL
STA. 3276+50.00 TO STA. 3278+17.64
PAVED SHOULDER REMOVAL
STA. 3276+84.31
TO STA. 3278+13.14
EX ROW
HMA SURFACE REMOVAL - BUTT JOINT
STA. 3278+13.14 TO STA. 3278+17.64

MATCH LINE STA. 1276+50.00
MATCH LINE STA. 1291+00.00
MATCH LINE STA. 1112+00.00

EX. IL 53 SB PGL
EX. IL 53 NB PGL
IL RTE. 53 (FAP 342)
CONC
HMA

PAVED SHOULDER REMOVAL
STA. 2276+15.69
TO STA. 2277+75.46
PAVED SHOULDER REMOVAL
STA. 2277+52.24 TO STA.
2277+79.96 (BY OTHERS)
GUARDRAIL REMOVAL
STA. 2276+50.00 TO STA.
2277+79.96
HMA SURFACE REMOVAL - BUTT JOINT
STA. 2277+75.46 TO STA. 2277+79.96

PAVED SHOULDER REMOVAL
STA. 2287+84.64 TO STA. 1131+35.83
HMA SURFACE REMOVAL - BUTT JOINT
STA. 2287+80.14 TO STA. 2287+84.64

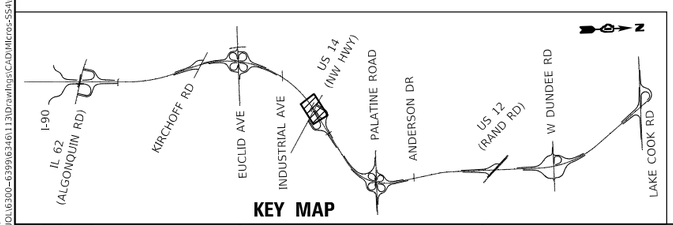
EX. ℄ UNION PACIFIC
RAILROAD

PROJECT OMISSION
REMOVAL BY OTHERS FROM STA. 2277+79.96 TO STA. 2287+80.14

LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

1 REVISED SHEET 10/31/2024



KEY MAP

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
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PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 8 OF 25 SHEETS | STA. 1276+50.00 TO STA. 1291+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	98
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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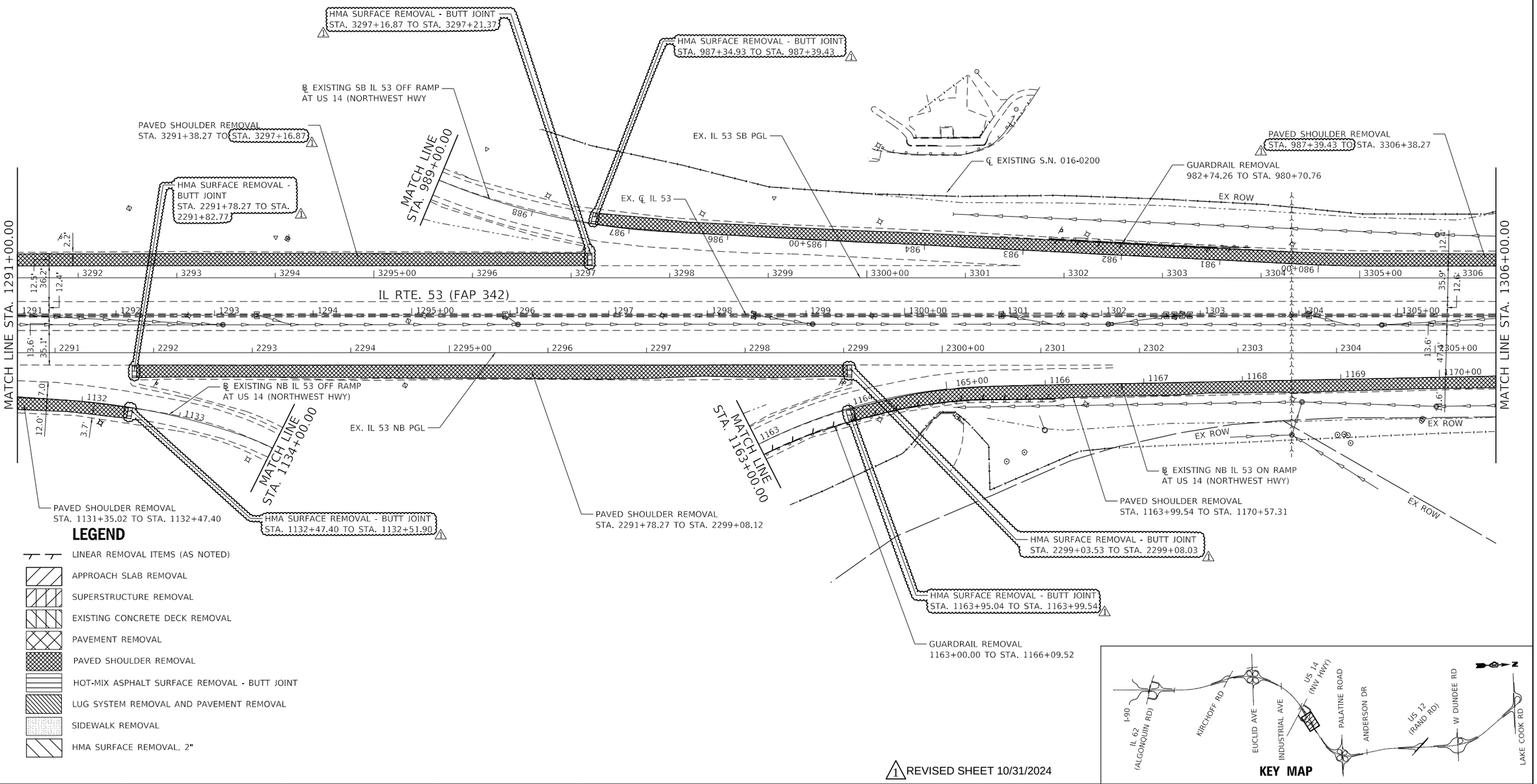

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PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 9 OF 25 SHEETS | STA. 1291+00.00 TO STA. 1306+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	99
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: S:\DOL\6300-639963461113\Drawings\CAD\Microstation\CAD_Sheets\C3-SY162N91-sht-removal-IL-53-SAD.dgn

0 50 100 150

SCALE IN FEET

℄ EXISTING EB PALATINE RD
ON RAMP TO SB IL 53

PAVED SHOULDER REMOVAL
STA. 3330+67.11 TO STA. 3335+67.41

HMA SURFACE REMOVAL - BUTT JOINT
STA. 1386+86.03 TO STA. 1386+90.53

PAVED SHOULDER REMOVAL
STA. 3321+37.46 TO STA. 1386+90.53

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3330+62.61 TO STA. 3330+67.11

EX. ℄ IL 53

EX. IL 53 SB PGL

MATCH LINE STA. 1385+00.00

MATCH LINE STA. 1321+00.00

MATCH LINE STA. 1335+50.00

EX ROW

IL RTE. 53 (FAP 342)

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2334+53.95 TO STA. 2334+58.45

HMA SURFACE REMOVAL - BUTT JOINT
STA. 1319+32.23 TO STA. 1319+36.73

PAVED SHOULDER REMOVAL
STA. 2334+58.45 TO STA. 2335+32.59

PAVED SHOULDER REMOVAL
STA. 2320+62.54 TO STA. 1319+32.23

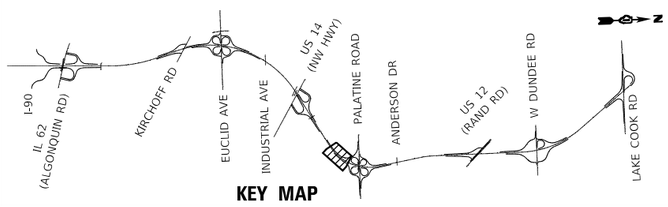
EX. IL 53 NB PGL

GUARDRAIL REMOVAL
STA. 1311+42.37 TO STA. 1313+70.88

℄ EXISTING NB OFF RAMP
TO EB PALATINE RD

LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"



KEY MAP

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 11 OF 25 SHEETS | STA. 1321+00.00 TO STA. 1335+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	101
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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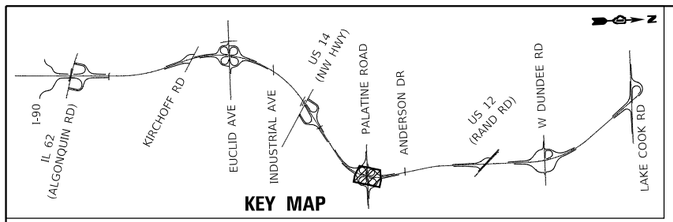

KEY MAP

SCALE IN FEET
0 50 100 150

HMA SURFACE REMOVAL - BUTT JOINT
STA. 1453+37.74 TO STA. 1453+42.24

PAVED SHOULDER REMOVAL
STA. 3335+67.41 TO STA. 3337+75.09

MATCH LINE STA. 1454+00.00

MATCH LINE STA. 1335+50.00

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3337+70.57 TO STA. 3337+75.07

APPROACH SLAB REMOVAL
STA. 3341+01.62
TO STA. 3341+66.25

PAVED SHOULDER REMOVAL
STA. 1453+37.74 TO STA. 3341+24.71

PAVEMENT REMOVAL
STA. 3339+13.40 TO STA. 3341+01.62

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 3339+23.85 TO STA. 3341+01.62

PAVED SHOULDER REMOVAL
STA. 3339+13.43 TO STA. 3341+01.62

CONCRETE BARRIER REMOVAL (SPECIAL)
STA. 1339+89.90 TO STA. 1341+60.99

GUARDRAIL REMOVAL
STA. 3339+15.35 TO STA. 3341+45.18

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 3344+16.52 TO STA. 3345+91.25

PAVED SHOULDER REMOVAL
STA. 1255+48.74 TO STA. 1253+31.26

APPROACH SLAB REMOVAL
STA. 3343+53.08 TO STA. 3344+16.52

GUARDRAIL REMOVAL
STA. 1255+76.70 TO STA. 1253+02.76

REMOVAL OF EXISTING
SUPERSTRUCTURE NO. 4
(SN 016-0970)

PAVED SHOULDER REMOVAL
STA. 3344+15.79 TO STA. 3350+46.66

PAVEMENT REMOVAL
STA. 1255+13.16 TO STA. 1253+31.26

PAVED SHOULDER REMOVAL
STA. 3344+15.36 TO STA. 3346+27.63

CONCRETE BARRIER REMOVAL
STA. 1344+84.40 TO STA. 1346+25.00

HMA SURFACE REMOVAL - BUTT JOINT
STA. 1253+26.76 TO STA. 1253+31.26

MATCH LINE STA. 1253+00.00

PAVEMENT REMOVAL
STA. 3345+91.25 TO STA. 3346+09.03

EX. IL 53 SB PGL

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3346+09.03 TO STA. 3346+13.53

MATCH LINE STA. 1229+00.00

MATCH LINE STA. 1350+50.00

IL RTE. 53 (FAP 342)

EX. ℄ IL 53

EX. IL 53 NB PGL

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2346+84.48 TO STA. 2346+88.98

℄ EXISTING NB IL 53 OFF
RAMP TO WB PALATINE RD

MATCH LINE STA. 1294+00.00

MATCH LINE STA. 1274+00.00

PAVED SHOULDER REMOVAL
STA. 2346+88.98 TO STA. 2350+53.34

HMA SURFACE REMOVAL - BUTT JOINT
STA. 1293+28.90 TO STA. 1293+33.40

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2346+02.27 TO STA. 2346+06.77

PAVEMENT REMOVAL
STA. 2345+92.85 TO STA. 2346+02.27

PAVED SHOULDER REMOVAL
STA. 2344+18.74 TO STA. 2346+22.55

GUARDRAIL REMOVAL
STA. 2343+73.24 TO STA. 2345+97.31

CONCRETE BARRIER REMOVAL (SPECIAL)
STA. 1343+62.47 TO STA. 1344+84.40

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 2344+18.74 TO STA. 2345+92.85

PALATINE ROAD

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3339+08.93 TO STA. 3339+13.43

PAVEMENT REMOVAL
STA. 3339+13.43 TO STA. 3339+23.85

CONCRETE BARRIER REMOVAL
STA. 1139+00.88 TO STA. 1339+89.90

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2339+20.12 TO STA. 2339+24.62

PAVEMENT REMOVAL
STA. 2339+24.62 TO STA. 2339+34.58

℄ EXISTING EB PALATINE RD
ON RAMP TO NB IL 53

HMA SURFACE REMOVAL - BUTT JOINT
STA. 1361+71.12 TO STA. 1361+75.62

℄ EXISTING SB IL 53 OFF
RAMP TO EB PALATINE RD

GUARDRAIL REMOVAL
STA. 1361+42.06
TO STA. 1363+23.88

PAVED SHOULDER REMOVAL
STA. 2335+32.59
TO STA. 2341+05.34

PAVEMENT REMOVAL
STA. 1361+75.62 TO STA. 1363+53.88

PAVED SHOULDER REMOVAL
STA. 2338+88.45 TO STA. 2341+05.34

LUG SYSTEM REMOVAL (SEE NOTE 1)
PAVEMENT REMOVAL
STA. 2339+34.58 TO STA. 2341+05.34

PAVED SHOULDER REMOVAL
STA. 1361+75.62 TO STA. 2341+50.15

APPROACH SLAB REMOVAL
STA. 2341+05.34 TO STA. 2341+71.62

EX. ℄ PALATINE ROAD

REMOVAL OF EXISTING
SUPERSTRUCTURE NO. 3 (SN 016-0373)

APPROACH SLAB REMOVAL
STA. 2343+59.02 TO STA. 2344+18.74

PAVED SHOULDER REMOVAL
STA. 1290+41.36 TO STA. 1293+28.90

LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

NOTES:

1. LIMITS OF THE EXISTING LUG SYSTEMS ARE SHOWN FOR INFORMATION ONLY. ACTUAL LOCATIONS OF REMOVAL SHALL BE VERIFIED IN THE FIELD.

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

MODEL: Default
FILE NAME: S:\OL\6300-6399\6346\13D\rawings\CADMicro-SS4\CAD_Sheets\C3-D162N91-cht-removal-19-IL53-SA.dgn

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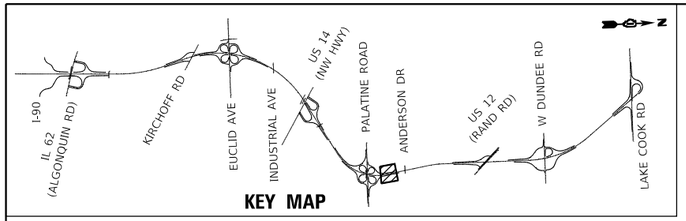
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 12 OF 25 SHEETS | STA. 1335+50.00 TO STA. 1350+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	102
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



KEY MAP

N

0 50 100 150

SCALE IN FEET

PAVED SHOULDER REMOVAL
STA. 3350+46.66 TO STA. 3551+31.88 (1)

℄ EXISTING SB IL 53 OFF
RAMP TO WB PALATINE RD

PAVED SHOULDER REMOVAL
STA. 3350+46.66 TO STA. 3551+36.38

HMA SURFACE REMOVAL - BUTT JOINT
STA. 1227+25.16 TO STA. 1227+29.66 (1)

HMA SURFACE REMOVAL - BUTT JOINT
STA. 3351+31.88 TO STA. 3351+36.38 (1)

GUARDRAIL REMOVAL
STA. 1228+26.82 TO STA. 3359+92.12

PAVED SHOULDER REMOVAL
STA. 1227+25.16 TO STA. 3359+92.12

EX ROW

EX. IL 53 SB PGL

EX. ℄ IL 53

MATCH LINE STA. 1350+50.00

MATCH LINE STA. 1360+00.00

IL RTE. 53 (FAP 342)

℄ EXISTING WB PALATINE RD
ON RAMP TO NB IL 53

EX. IL 53 NB PGL

GUARDRAIL REMOVAL
STA. 1274+65.97 TO STA. 1284+35.33

PAVED SHOULDER REMOVAL
STA. 1275+33.00 TO STA. 1284+35.33

HMA SURFACE REMOVAL - BUTT JOINT
STA. 2351+01.80 TO STA. 2351+06.30 (1)

HMA SURFACE REMOVAL - BUTT JOINT
STA. 1275+28.50 TO STA. 1275+33.00 (1)

PAVED SHOULDER REMOVAL
STA. 2350+53.34 TO STA. 2351+01.80 (1)

LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

(1) REVISED SHEET 10/30/2024

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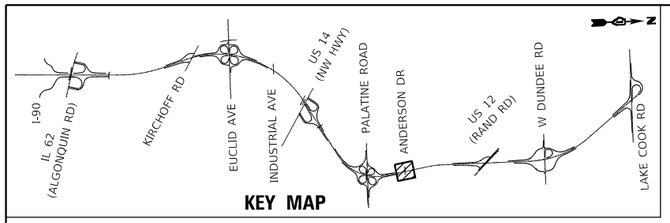
USER NAME = StevenB	DESIGNED - MAG	REVISED - (1) 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

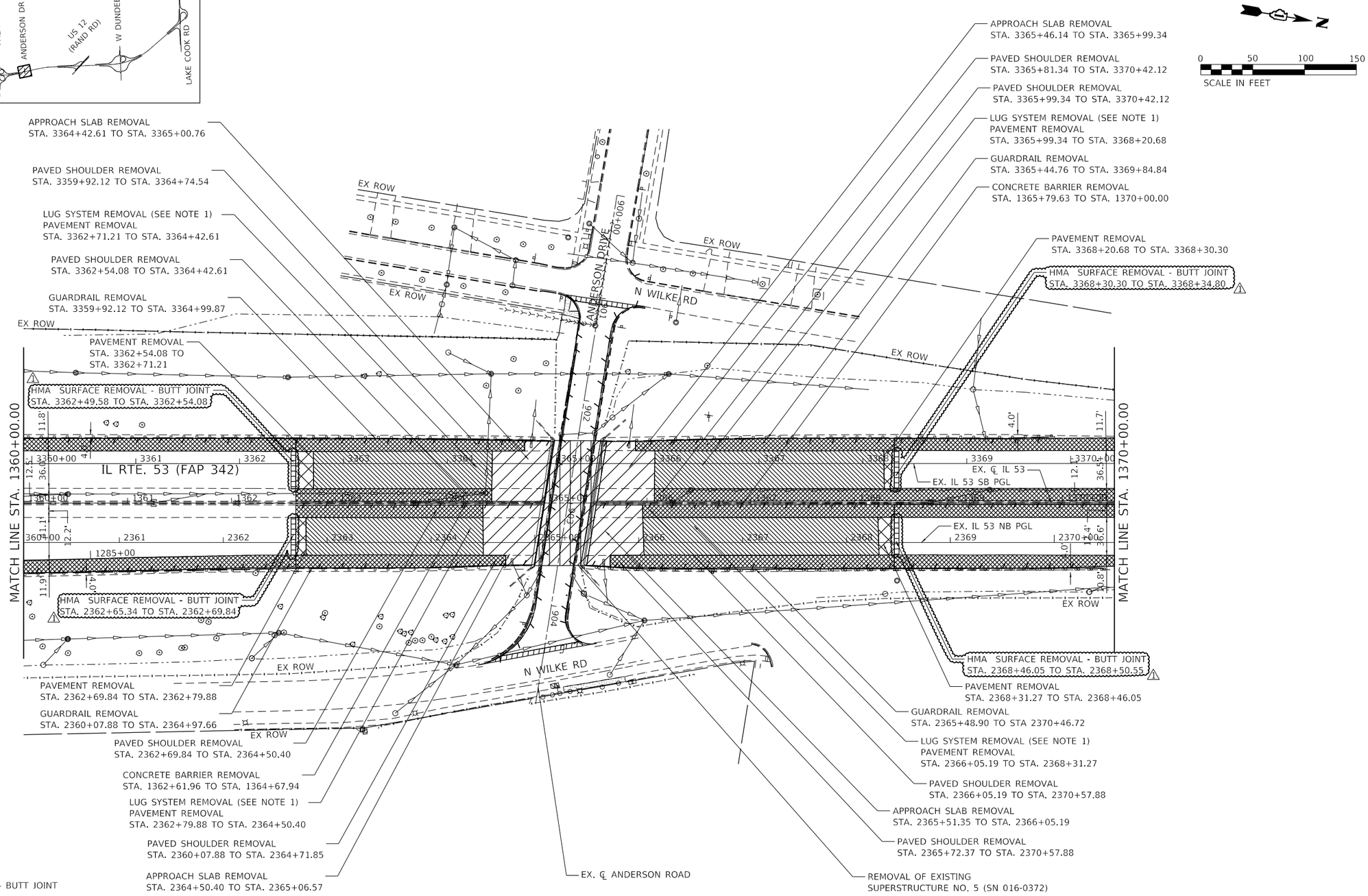
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 13 OF 25 SHEETS | STA. 1350+50.00 TO STA. 1360+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	103
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	





LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

NOTES:

1. LIMITS OF THE EXISTING LUG SYSTEMS ARE SHOWN FOR INFORMATION ONLY. ACTUAL LOCATIONS OF REMOVAL SHALL BE VERIFIED IN THE FIELD.

1 REVISED SHEET 10/30/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 14 OF 25 SHEETS | STA. 1360+00.00 TO STA. 1370+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	104
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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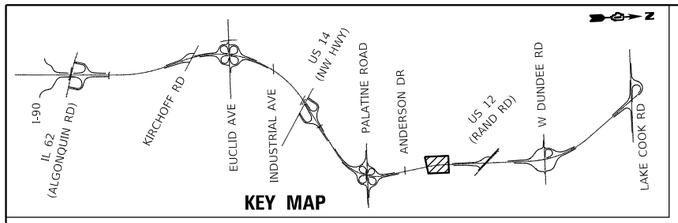

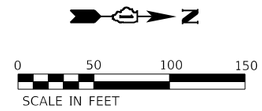

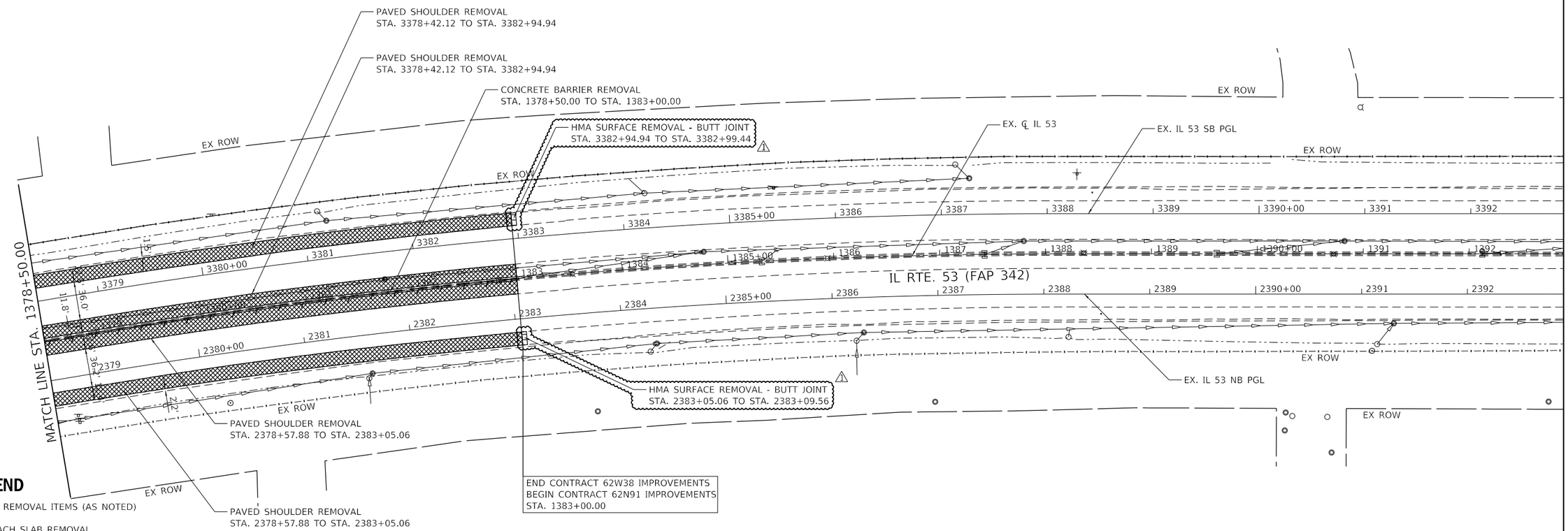

LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 16 OF 25 SHEETS | STA. 1378+50.00 TO STA. 1391+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	106
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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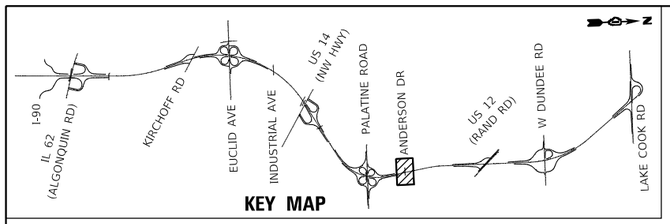
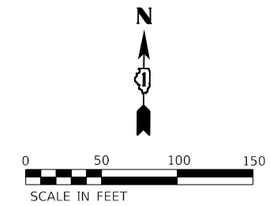
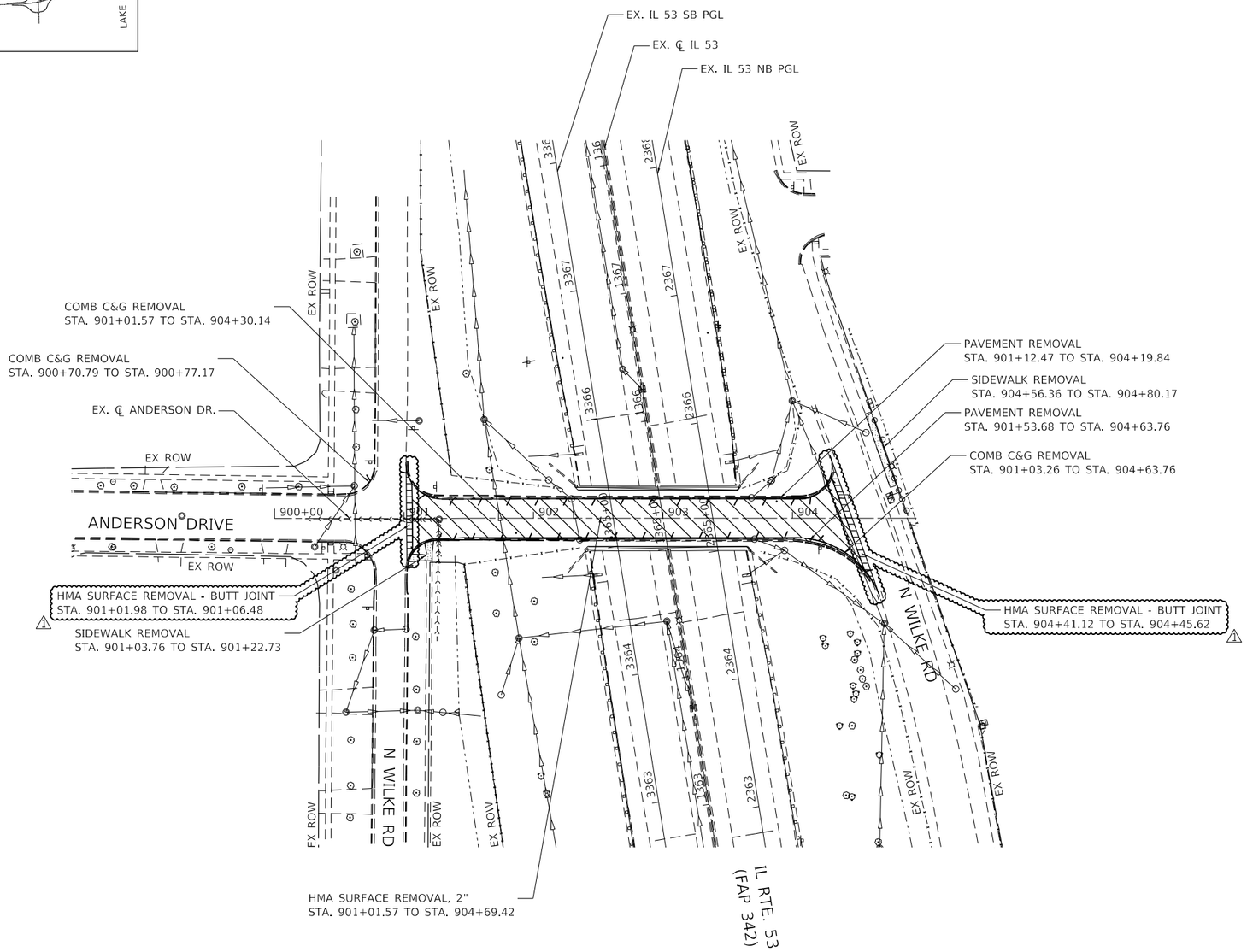


KEY MAP





LEGEND

- LINEAR REMOVAL ITEMS (AS NOTED)
- APPROACH SLAB REMOVAL
- SUPERSTRUCTURE REMOVAL
- EXISTING CONCRETE DECK REMOVAL
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- LUG SYSTEM REMOVAL AND PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, 2"

1 REVISED SHEET 10/31/2024

MODEL: Default
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

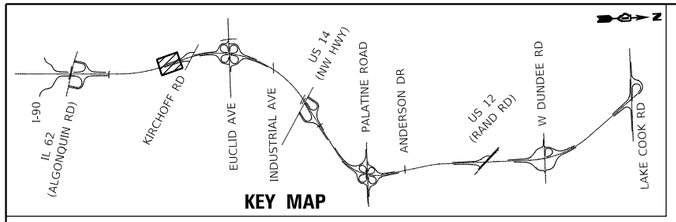
USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

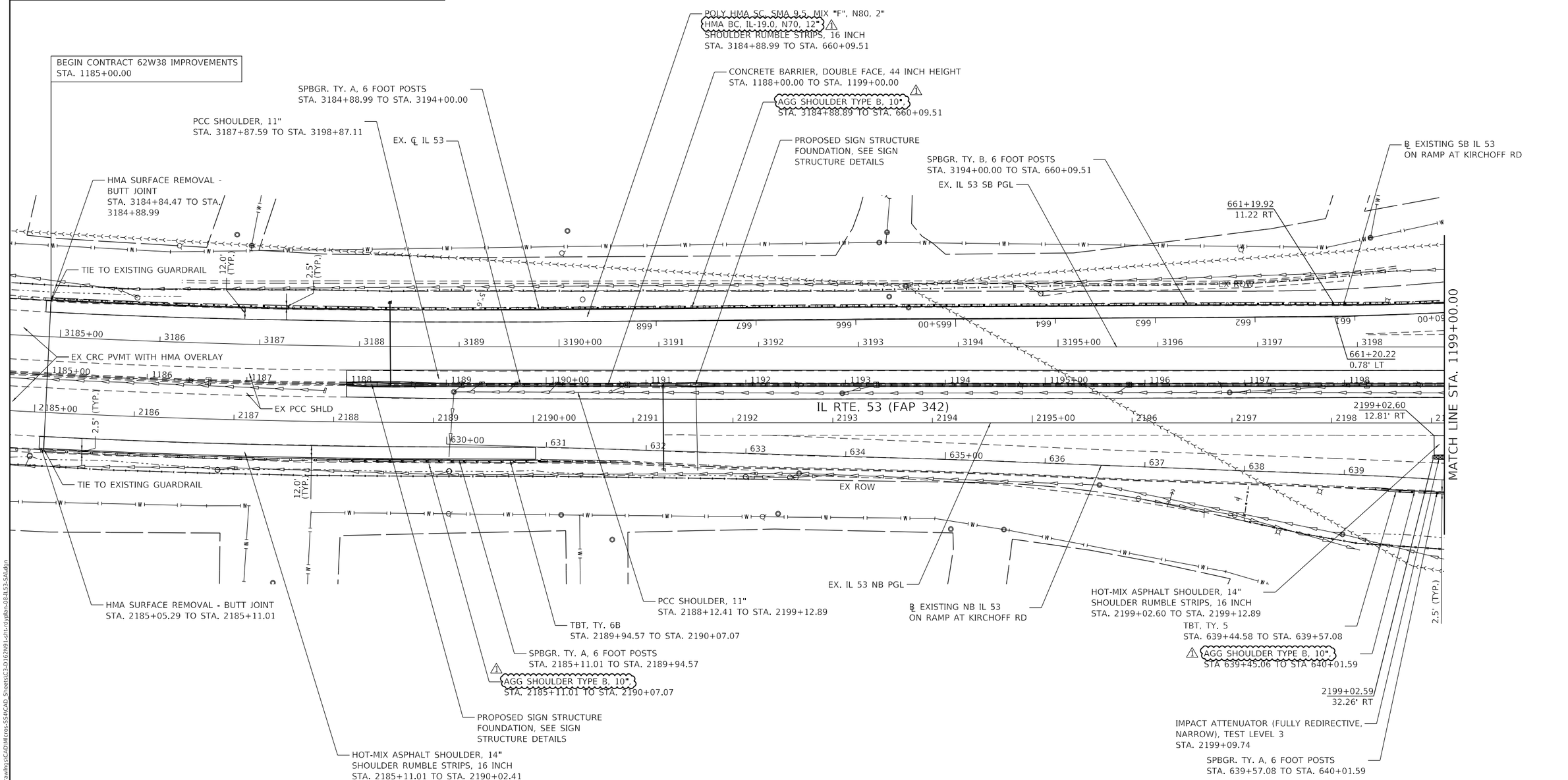
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANDERSON DRIVE
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 25 OF 25 SHEETS | STA. 900+00.00 | TO STA. 904+95.91

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	115
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		





NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 1 OF 23 SHEETS | STA. 1186+00.00 TO STA. 1199+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	116
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

N

0 50 100 150
SCALE IN FEET

POLY HMA SC, SMA 9.5, MIX "F", N80, 2"
⚠ HMA BC, IL-19.0, N70, 12"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 3200+22.89 TO STA. 3205+69.52

LUG SYSTEM COMPLETE 36'
STA. 3203+92.78 TO STA. 3204+46.78

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 3203+23.35 TO STA. 3205+08.71

PCC SHOULDER, 11"
STA. 3198+87.11 TO STA 3205+23.84

BEGIN RECONSTRUCTION
STA. 3203+23.35

⚠ AGGREGATE SHOULDERS, TYPE B 10"
STA. 3200+22.89 TO STA. 3203+23.35

SPBGR. TY. B, 6 FOOT POSTS
STA. 651+87.35 TO STA. 660+10.19

AGG SHOULDER TYPE B, 10"
STA. 3203+23.35 TO STA. 3205+69.52

APPROACH SLAB

CONC. SHOULDER CURB
STA. 3205+69.69 TO STA. 3205+84.54

⚠ AGGREGATE SHOULDERS, TYPE B 10", STA. 651+37.35 TO STA. 660+09.51

TBT, TY. 1 (SPL) TANGENT
STA. 651+37.35 TO STA. 651+87.35

SUPERSTRUCTURE REPLACEMENT
S.N. 016-1121

APPROACH SLAB

TBT, TY. 6
STA. 3208+14.15 TO STA. 3208+51.65

CONC. SHOULDER CURB
STA. 3208+14.16 TO STA. 3208+28.39

AGG SHOULDER TYPE B, 10"
STA. 3208+28.13 TO STA. 3210+20.49

POLY HMA SC, SMA 9.5, MIX "F", N80, 2"
⚠ HMA BC, IL-19.0, N70, 12"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 3208+15.82 TO STA. 867+92.60

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 3208+30.79 TO STA. 3010+20.49

POLY HMA SC, SMA 9.5, MIX "F", N80, 2"
⚠ HMA BC, IL-19.0, N70, 12"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 658+61.81 to STA. 660+10.19

658+61.38
9.44' RT

658+61.80
0.59' LT

3200+22.96
26.08' LT

3200+22.89
12.51' LT

3201+01.39
24.50' LT

3201+01.39
12.51' LT

PCC SHOULDER, 11"
STA. 3207+74.50 TO STA. 3210+20.49

LUG SYSTEM COMPLETE 36'
STA. 3209+05.35 TO STA. 3209+59.35

SPBGR. TY. A, 6 FOOT POSTS
STA. 3208+51.65 TO STA. 867+92.60

END RECONSTRUCTION
STA. 3210+20.49

⚠ AGGREGATE SHOULDERS, TYPE B 10"
STA. 3210+20.49 TO STA. 867+92.60

MATCH LINE STA. 1199+00.00

EX. IL 53 NB PGL

IL RTE. 53 (FAP 342)

EX. IL 53 SB PGL

EX. ℄ IL 53

B EXISTING NB IL 53
OFF RAMP AT KIRCHOFF RD

EX ROW

EX PCC SHLD

EX PCC SHLD

MATCH LINE STA. 1213+50.00

⚠ AGG SHOULDER TYPE B, 10"
STA. 2199+73.73 TO STA. 2202+75.23

⚠ AGG SHOULDER TYPE B, 10"
STA. 640+58.85 TO STA. 644+21.32

⚠ AGG SHOULDER TYPE B, 10"
STA. 640+01.59 TO STA. 644+15.19

SPBGR. TY. A, 6 FOOT POSTS
STA. 2199+26.67 TO STA. 2204+63.53

BEGIN RECONSTRUCTION
STA. 2202+75.23

SPBGR. TY. A, 6 FOOT POSTS
STA. 640+12.41 TO STA. 644+08.82

SPBGR. TY. A, 6 FOOT POSTS
STA. 640+00.00 TO STA. 644+02.69

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 2202+75.23 TO STA. 2204+68.34

TBT, TY. 2
STA. 644+08.82
TO STA.
644+21.32, LT

TBT, TY. 2
STA. 644+02.69
TO STA.
644+15.19, RT

KIRCHOFF ROAD

EX. ℄ KIRCHOFF ROAD

APPROACH SLAB

CONC. SHOULDER CURB
STA. 2204+73.27 TO STA. 2204+88.36

AGG SHOULDER TYPE B, 10"
STA. 2202+75.23 TO STA. 2204+73.26

TBT, TY. 6
STA. 2204+63.53 TO STA. 2205+01.03

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 2199+12.89 TO STA. 2204+83.37

PCC SHOULDER, 11"
STA. 2199+12.89 TO STA. 2205+29.11

LUG SYSTEM COMPLETE 36'
STA. 2203+41.13 TO STA. 2203+95.13

LUG SYSTEM
COMPLETE 36'
STA. 2208+56.51 TO
STA. 2209+10.51

PCC SHOULDER, 11"
STA. 2207+77.86 TO STA. 2210+35.71

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS
STA. 2207+34.92 TO STA. 2213+55.58

AGG SHOULDER TYPE B, 10"
STA. 2207+34.99 TO STA. 2209+85.32

APPROACH SLAB

CONC. SHOULDER CURB
STA. 2207+20.52 TO STA. 2207+34.83

TBT, TY. 5
STA. 2207+20.52 TO STA. 2207+33.79

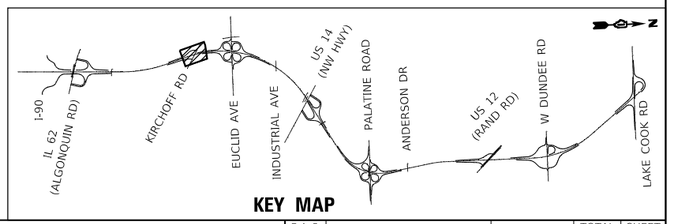
SUPERSTRUCTURE REPLACEMENT
S.N. 016-0376

END RECONSTRUCTION
STA. 2209+85.32

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 2207+92.80 TO STA. 2209+85.32

⚠ AGG SHOULDER TYPE B, 10"
STA. 2209+85.32 TO STA. 2213+55.58

SPBGR. TY. A, 6 FOOT POSTS
STA. 2207+33.79 TO STA. 2213+55.58



KEY MAP

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠ 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 2 OF 23 SHEETS | STA. 1199+00.00 TO STA. 1213+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	117
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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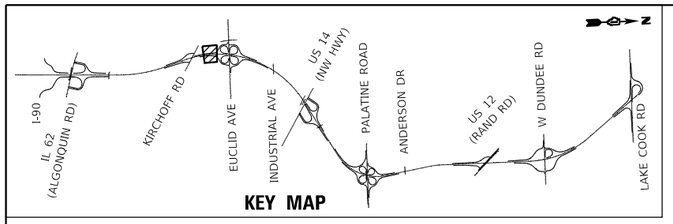

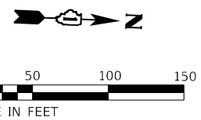

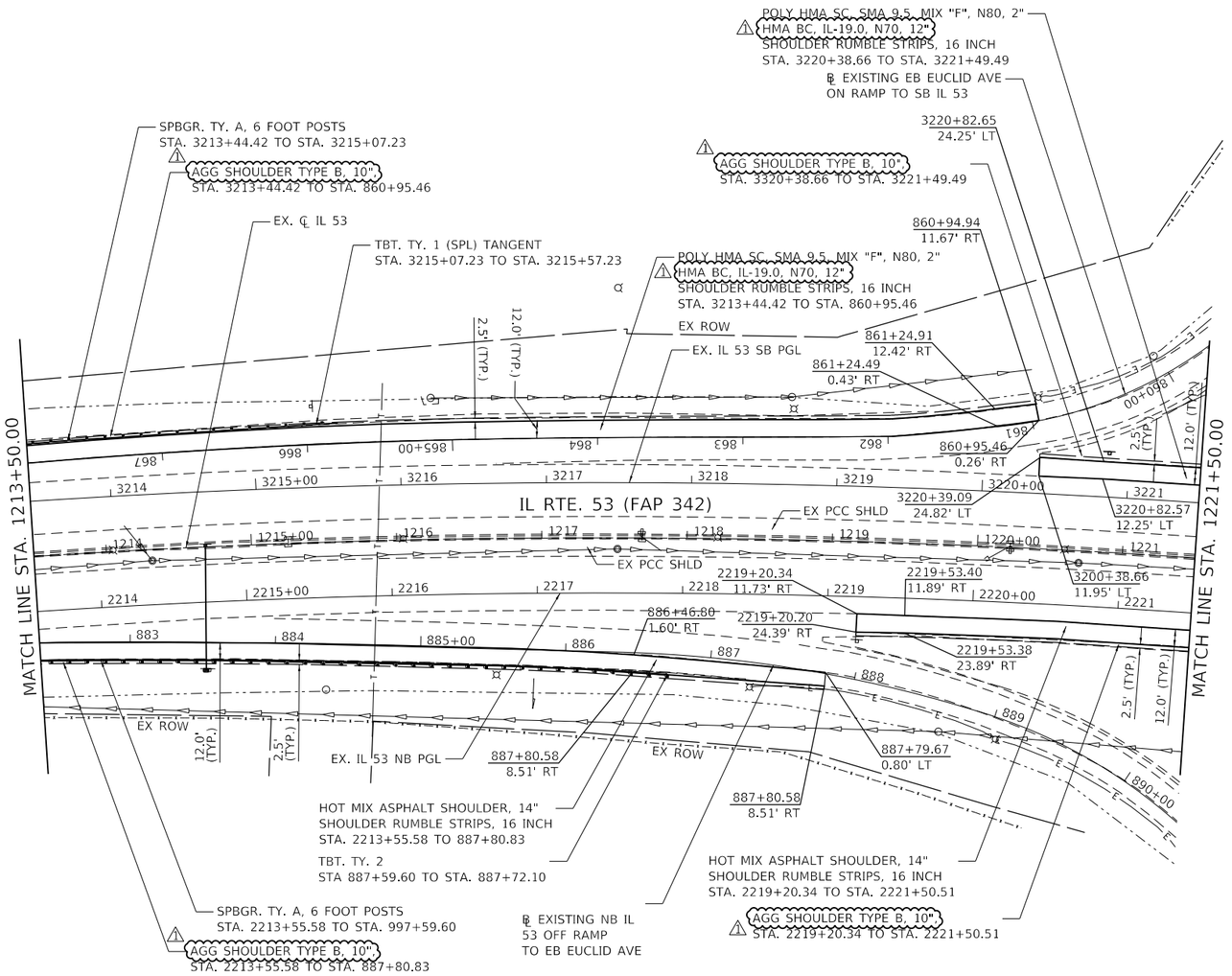

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 3 OF 23 SHEETS | STA. 1213+50.00 TO STA. 1221+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	118
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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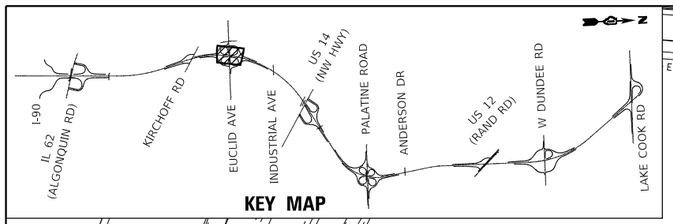

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 4 OF 23 SHEETS | STA. 1221+50.00 TO STA. 1236+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	119
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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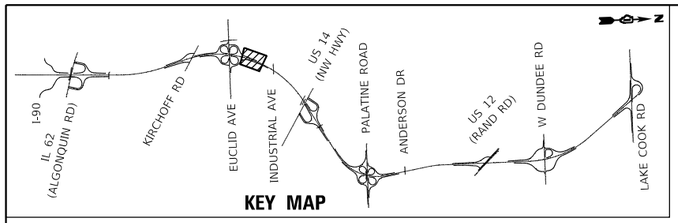

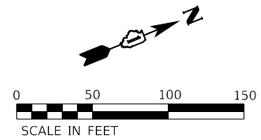

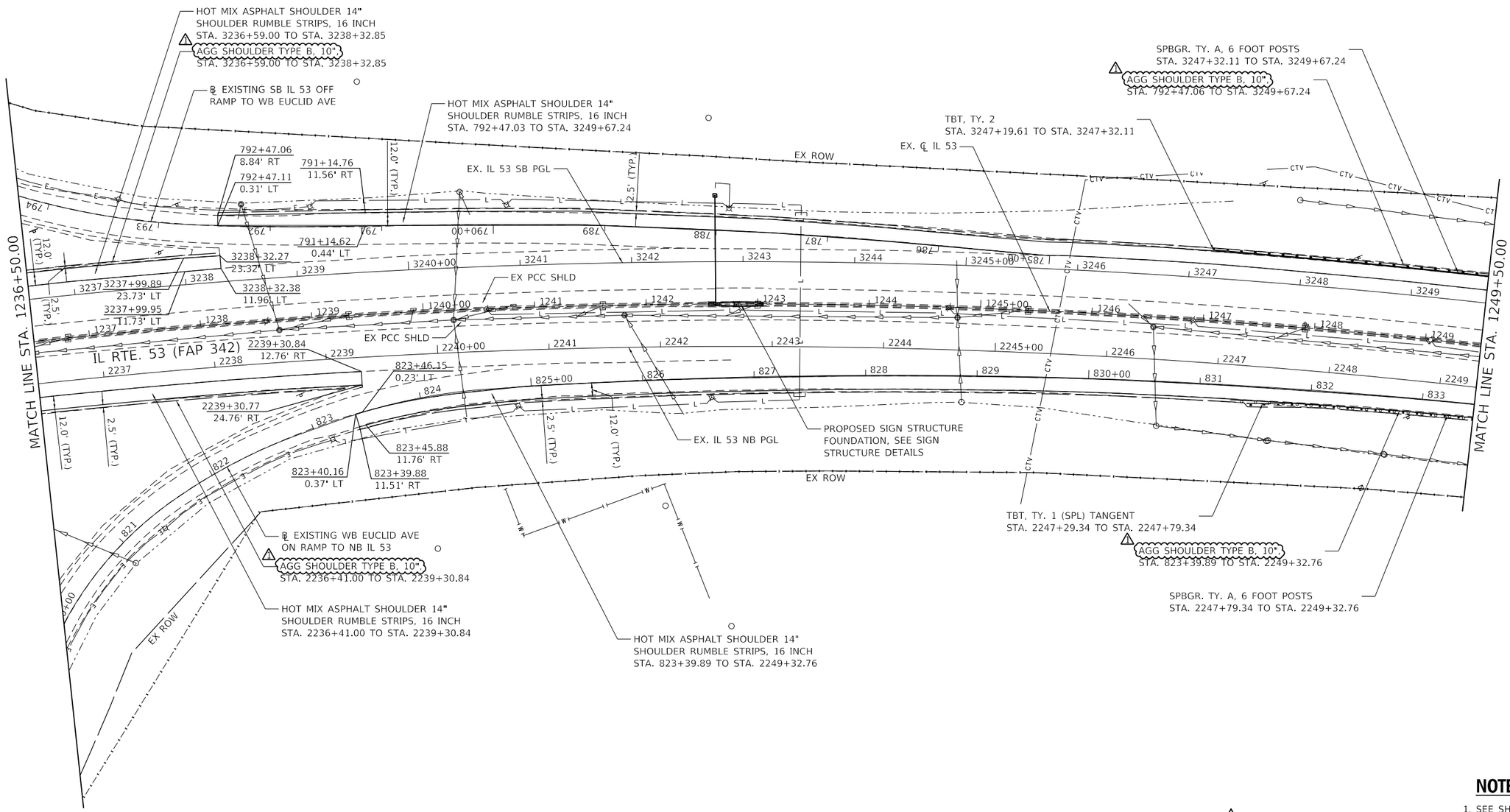

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 5 OF 23 SHEETS | STA. 1236+50.00 TO STA. 1249+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	120
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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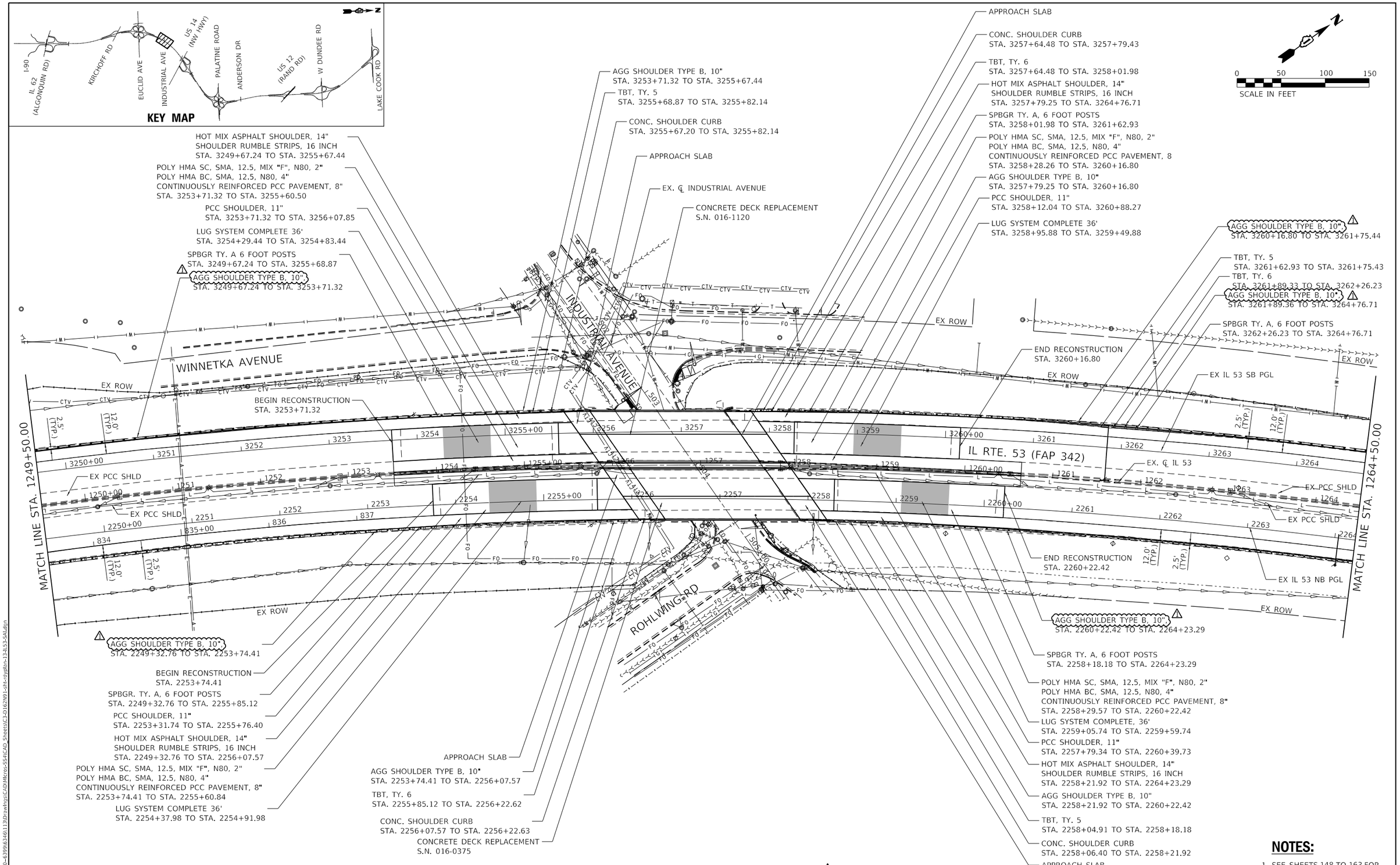

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 6 OF 23 SHEETS | STA. 1249+50.00 TO STA. 1264+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	121
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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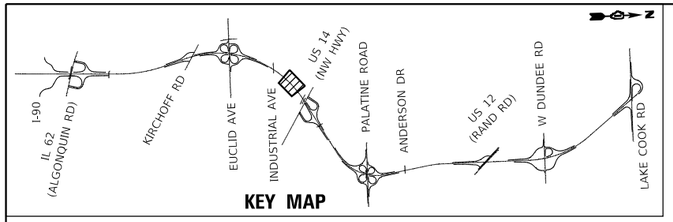

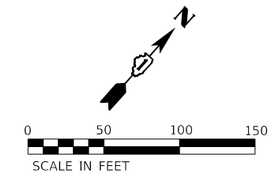

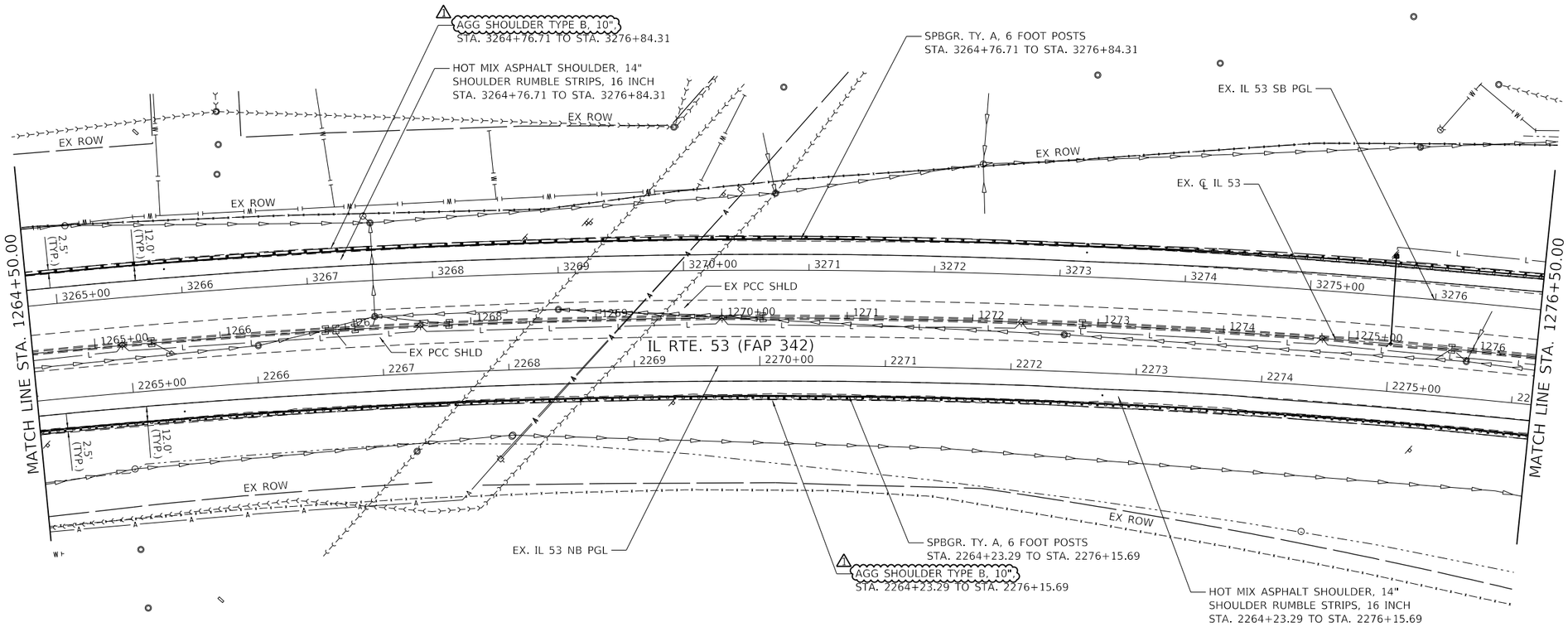

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

1 REVISED SHEET 10/31/2024

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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

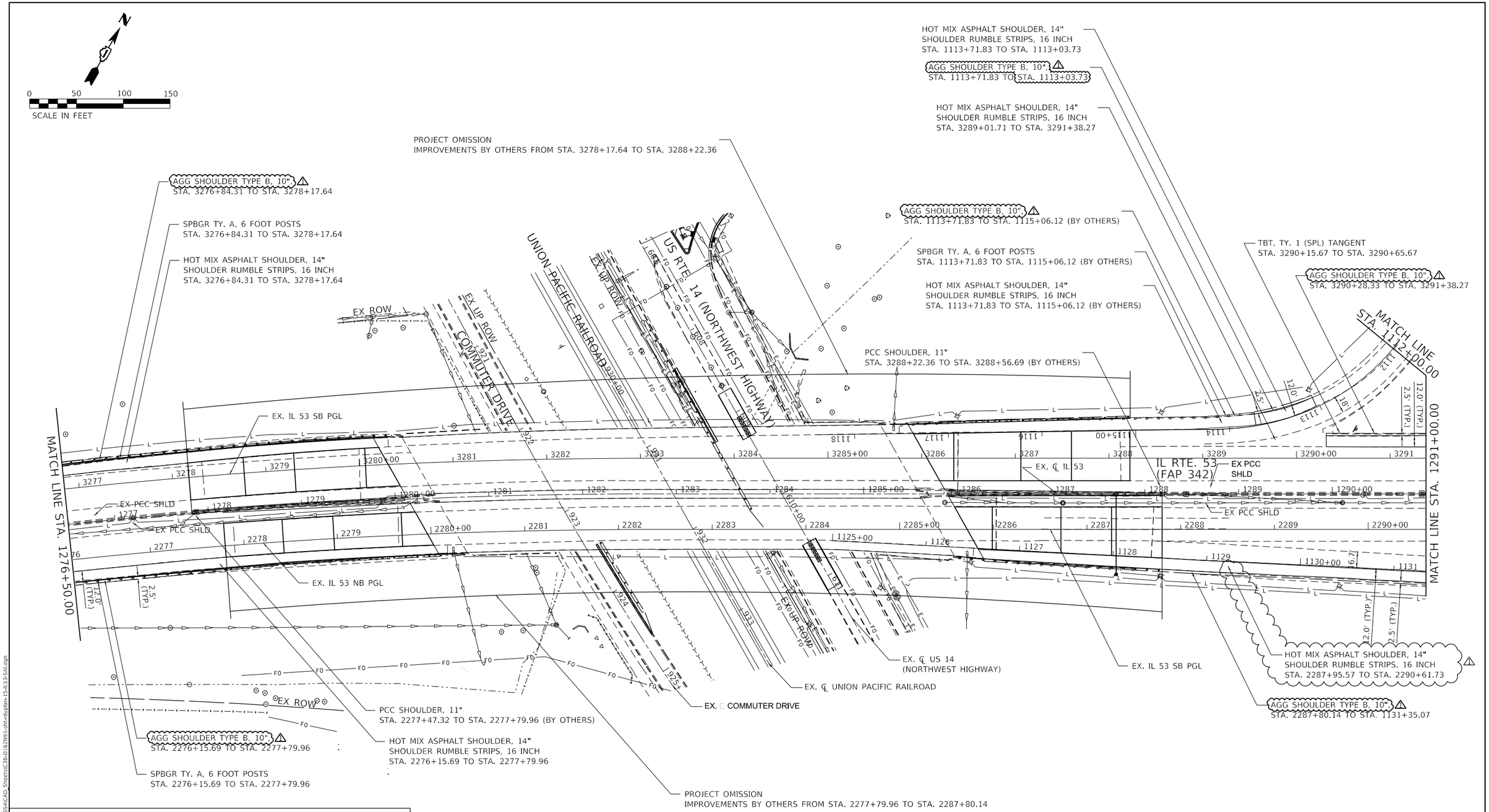
USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 7 OF 23 SHEETS | STA. 1264+50.00 TO STA. 1276+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	122
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	



1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 53 ROADWAY PLAN
		DRAWN - DJW	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -		SCALE: 1" = 50' SHEET 8 OF 23 SHEETS STA. 1276+50.00 TO STA. 1291+00.00
	PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	123
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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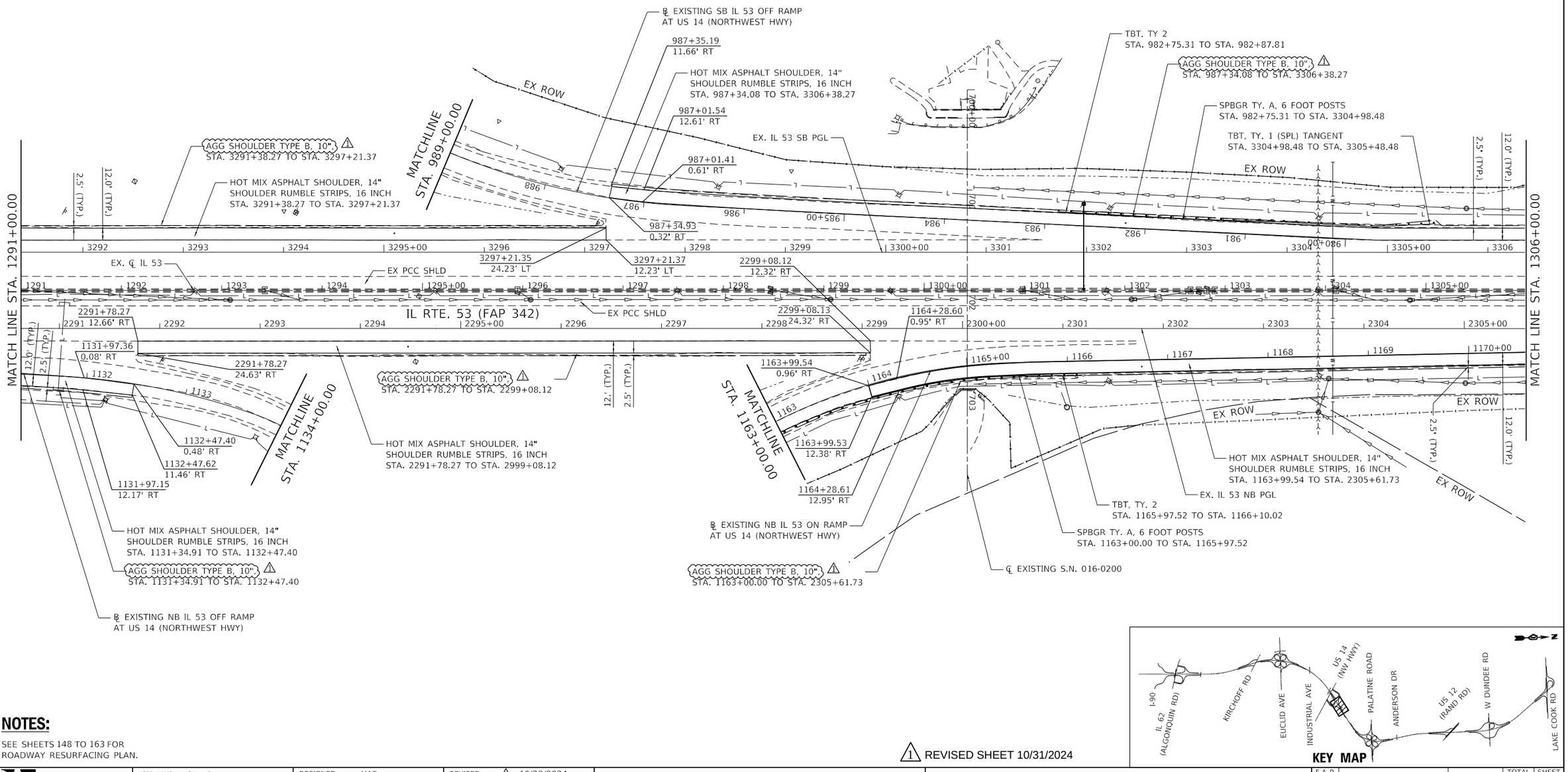

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 9 OF 23 SHEETS | STA. 1291+00.00 TO STA. 1306+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	124
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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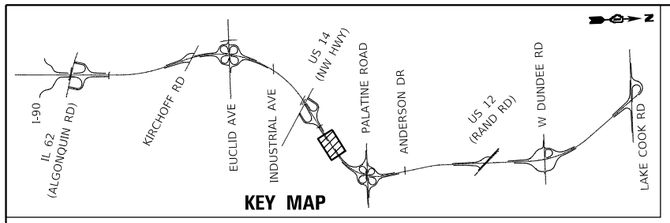

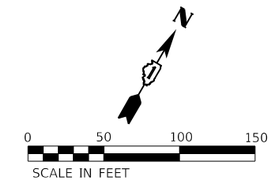

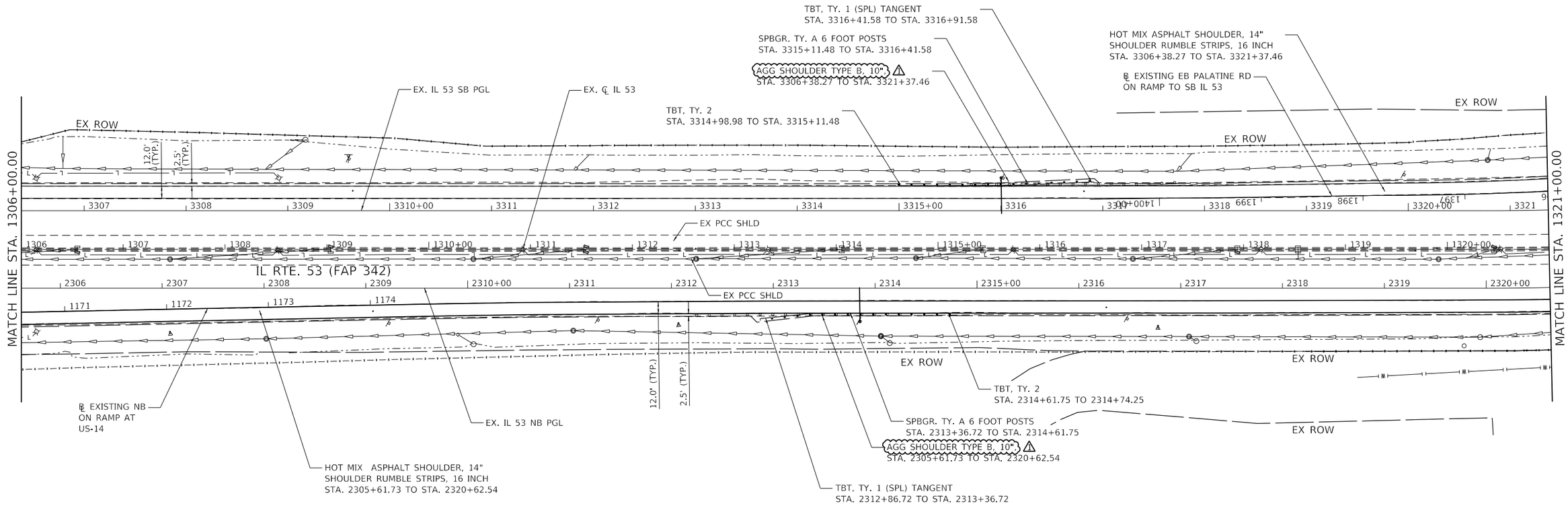

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 10 OF 23 SHEETS | STA. 1306+00.00 TO STA. 1321+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	125
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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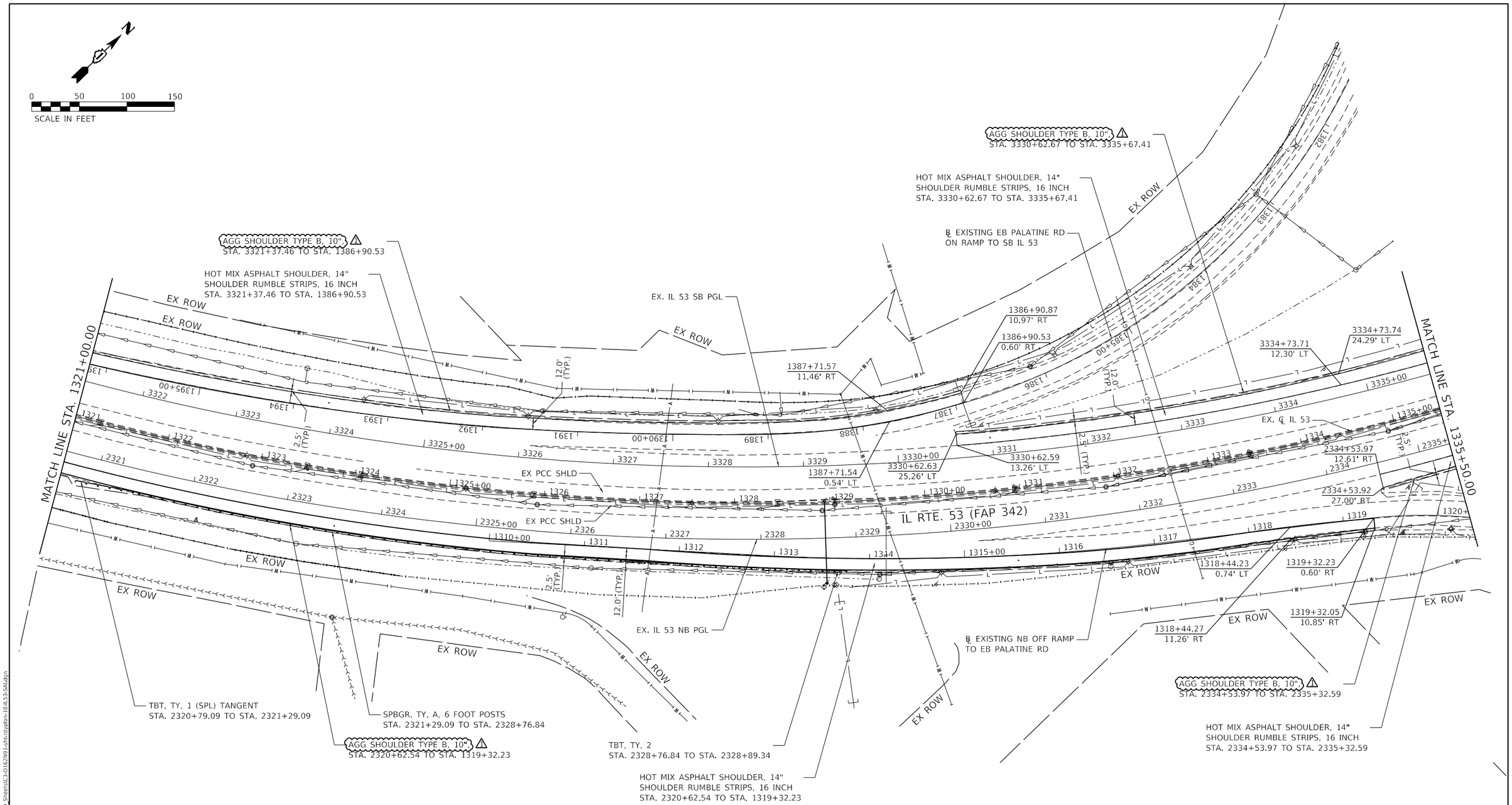

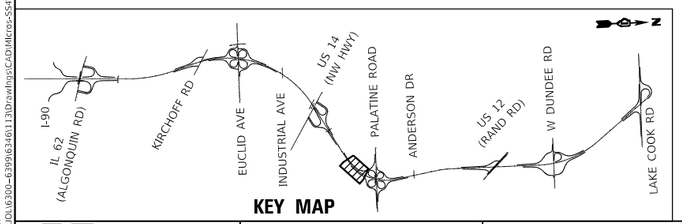

KEY MAP

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

⚠1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 11 OF 23 SHEETS | STA. 1321+00.00 TO STA. 1335+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	126
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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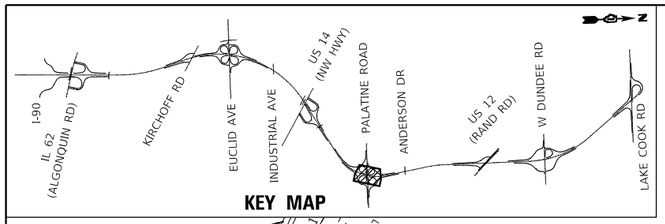

KEY MAP

N

0 50 100 150

SCALE IN FEET

⚠1 AGG SHOULDER TYPE B, 10"
STA. 3335+67.41 TO STA. STA. 3337+75.09

℄ EXISTING SB IL 53 OFF RAMP TO EB PALATINE RD

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 3335+67.41 TO STA. 3337+75.09

BEGIN RECONSTRUCTION
STA. 3339+13.43

⚠1 AGG SHOULDER TYPE B, 10"
STA. 3339+13.43 TO STA. 1453+37.74

TBT, TY. 2
STA. 3338+77.56 TO STA. 3338+90.06

1453+37.74
0.88' LT

1453+37.94
11.81' RT

1453+03.28
0.30' LT

1453+03.51
11.70' RT

SPBGR TY, A, 6 FOOT POSTS
STA. 3338+90.06 TO STA. 3341+20.85

LUG SYSTEM COMPLETE, 53'
STA. 3339+73.93 TO STA. 3340+27.93

AGG SHOULDER TYPE B, 10"
STA. 3339+13.43 TO STA. 3341+17.70

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 3339+13.43 TO STA. 3341+05.06

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 1453+37.74 TO STA. 3341+20.20

TBT, TY. 5
STA. 3341+20.85 TO STA. 3341+34.12

PCC SHOULDER, 11"
STA. 3339+13.43 TO STA. 3341+38.09

CONC SHOULDER CURB
STA. 3341+18.04 TO STA. 3341+34.03

APPROACH SLAB

SUPERSTRUCTURE REPLACEMENT
S.N. 016-0970

APPROACH SLAB

EX. ℄ PALATINE ROAD

PALATINE ROAD

CONC SHOULDER CURB
STA. 3343+68.92 TO STA. 3343+83.53

TBT, TY. 6
STA. 1255+58.94 TO STA. 1255+96.44

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 1253+31.26 TO STA. 1255+43.03

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 3344+10.62 TO STA. 3345+41.61

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 3344+10.62 TO STA. 3346+09.03

PCC SHOULDER, 11"
STA. 3343+95.59 TO STA. 3346+27.63

SPBGR. TY. A, 6 FOOT POSTS
STA. 1253+01.10 STA. 1255+58.94

AGG SHOULDER TYPE B, 10"
STA. 1253+30.60 TO STA. 1255+43.03

LUG SYSTEM COMPLETE, 36'
STA. 3344+91.20 TO STA. 3345+45.20

AGG SHOULDER TYPE B, 10"
STA. 3345+36.74 TO STA. 3346+09.38

⚠1 AGG SHOULDER TYPE B, 10"
STA. 3346+09.38 TO STA. 3350+46.66

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 3345+41.61 TO STA. 3350+46.66

END RECONSTRUCTION
STA. 1253+31.26

HOT MIX ASPHALT SHOULDER, 14"
STA. 1253+32.23 TO
STA. 1253+94.86

⚠1 AGG SHOULDER TYPE B, 10"
STA. 1228+27.36 TO STA. 1229+00.00

SPBGR. TY. A, 6 FOOT POSTS
STA. 1228+27.36 TO STA. 1229+00.00

MATCH LINE
STA. 1229+00.00

MATCH LINE
STA. 1253+00.00

MATCH LINE STA. 1335+50.00

MATCH LINE STA. 1350+50.00

MATCH LINE
STA. 1274+00.00

MATCH LINE
STA. 1294+00.00

EX PCC SHLD

EX. IL 53 SB PGL

END RECONSTRUCTION
STA. 3346+09.03

EX PCC SHLD

EX PCC SHLD

IL RTE. 53 (FAP 342)

2335+73.44
12.68' RT

2335+73.44
24.68' RT

2337+75.09
31.38' LT

2337+75.09
12.10' LT

2346+84.48
11.72' RT

2346+84.39
29.43' RT

2349+67.76
11.98' RT

2349+67.79
24.14' RT

⚠1 AGG SHOULDER TYPE B, 10"
STA. 2335+32.59 TO STA. 2339+24.62

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS, 16 INCH
STA 2335+32.59 TO STA. 2339+57.70

BEGIN RECONSTRUCTION
STA. 2339+24.62

BEGIN RECONSTRUCTION
STA. 1361+75.62

HOT MIX ASPHALT SHOULDER, 14"
STA. 1361+75.62 TO
STA. 1362+10.34

TBT. TY 1 (SPL) TANGENT
STA. 1361+19.06 TO STA. 1361+69.06

LUG SYSTEM COMPLETE, 36'
STA. 2239+77.18 TO STA. 2340+31.18

SPBGR TY. A, 6 FOOT POSTS
STA. 1361+69.06 TO STA. 2341+20.16

PCC SHOULDER, 11"
A. 2338+88.46 TO STA. 2341+25.20

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 2339+57.64 TO STA. 2341+09.14

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS. 16 INCH
STA. 1361+75.62 TO STA. 1363+23.88

℄ EXISTING EB PALATINE RD
ON RAMP TO NB IL 53

℄ EXISTING NB IL 53 OFF
RAMP TO EB PALATINE RD

EX ROW

APPROACH SLAB

CONC SHOULDER CURB
STA. 2341+42.49 TO STA. 2341+57.58

TBT, TY. 6
STA. 2341+20.16 TO STA. 2341+57.66

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 1361+75.62 TO STA. 1363+23.88
STA. 2339+24.62 TO STA. 2341+09.14

AGG SHOULDER TYPE B, 10"
STA. 1361+42.53 TO STA. 1363+23.88

CONC SHOULDER CURB
STA. 2343+86.25 TO STA.
2344+00.74

TBT, TY. 5
STA. 2343+85.13 TO STA. 2343+98.40

APPROACH SLAB

SUPERSTRUCTURE REPLACEMENT
S.N. 016-0373

LUG SYSTEM COMPLETE, 53'
STA. 2344+94.03 TO STA. 2345+48.03

AGG SHOULDER TYPE B, 10"
STA. 1290+49.38 TO STA. 1292+56.99

SPBGR TY. A, 6 FOOT POSTS
STA. 2343+98.40 TO STA. 1293+26.70

PCC SHOULDER, 11"
STA. 2343+86.93 TO STA. 2346+22.55

POLY HMA SC, SMA, 12.5, MIX "F", N80, 2"
POLY HMA BC, SMA, 12.5, N80, 4"
CONTINUOUSLY REINFORCED PCC PAVEMENT, 8"
STA. 2344+13.97 TO STA. 2346+02.27

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 1290+49.38 TO STA. 1293+28.90

1293+28.90
0.08' RT

1293+29.33
11.85' RT

TBT, TY. 2
STA. 2346+51.18 TO STA. 2346+63.68

END RECONSTRUCTION
STA. 2346+02.27

⚠1 AGG SHOULDER TYPE B, 10"
STA. 1292+56.99 TO STA. 1293+27.69

HOT MIX ASPHALT SHOULDER, 14"
SHOULDER RUMBLE STRIPS, 16 INCH
STA. 2346+84.48 TO STA. 2350+53.34

⚠1 AGG SHOULDER TYPE B, 10"
STA. 2346+84.48 TO STA. 2350+53.34

⚠1 AGG SHOULDER TYPE B, 10",
STA. 1274+00.00 TO STA. 1274+74.15

EX. IL 53 SB PGL

EX. ℄ IL 53

℄ EXISTING NB IL 53 OFF
RAMP TO WB PALATINE RD

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

⚠1 REVISED SHEET 10/31/2024

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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

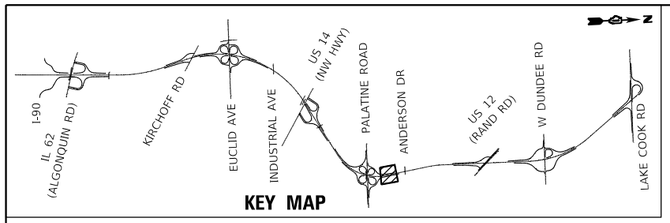
USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

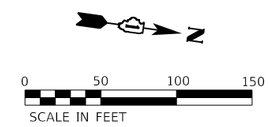
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

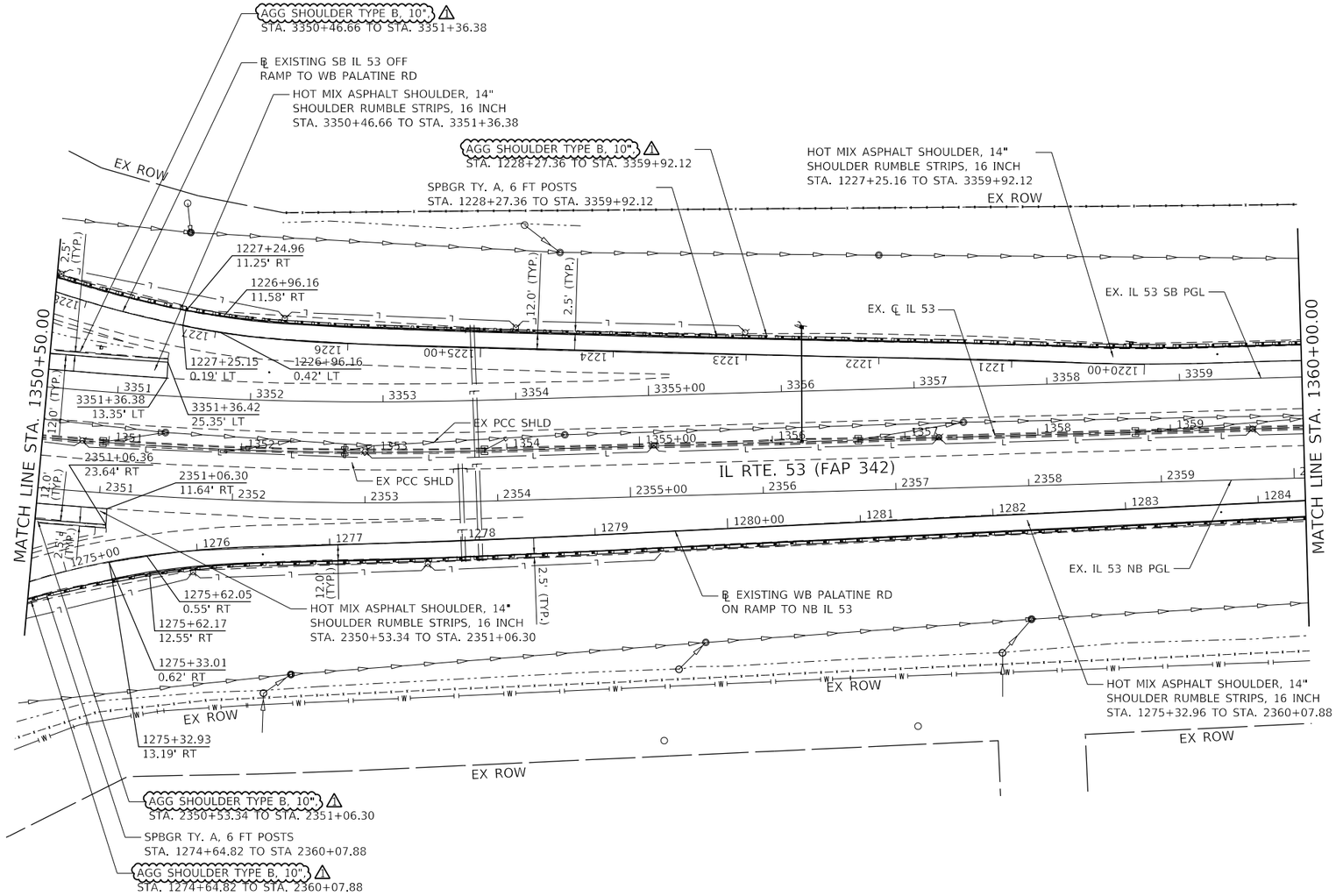
IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 12 OF 23 SHEETS | STA. 1335+50.00 TO STA. 1350+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	127
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		







NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 13 OF 23 SHEETS | STA. 1350+50.00 TO STA. 1360+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	128
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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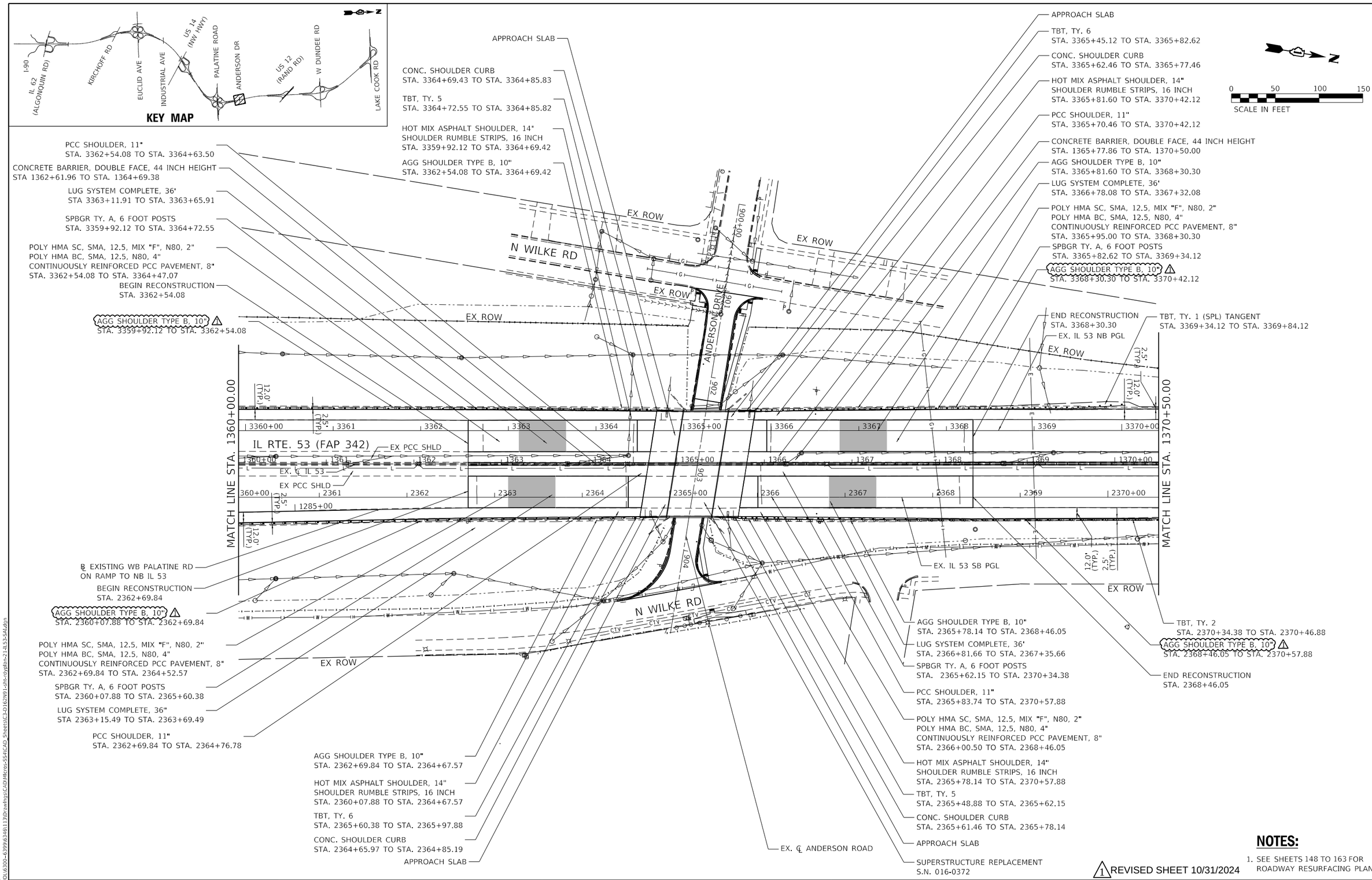

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

⚠1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 14 OF 23 SHEETS | STA. 1360+00.00 TO STA. 1370+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	129
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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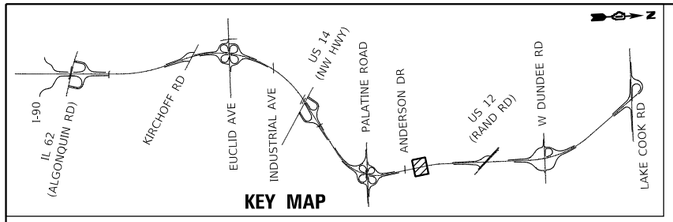

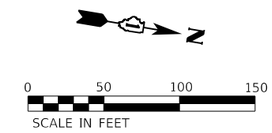

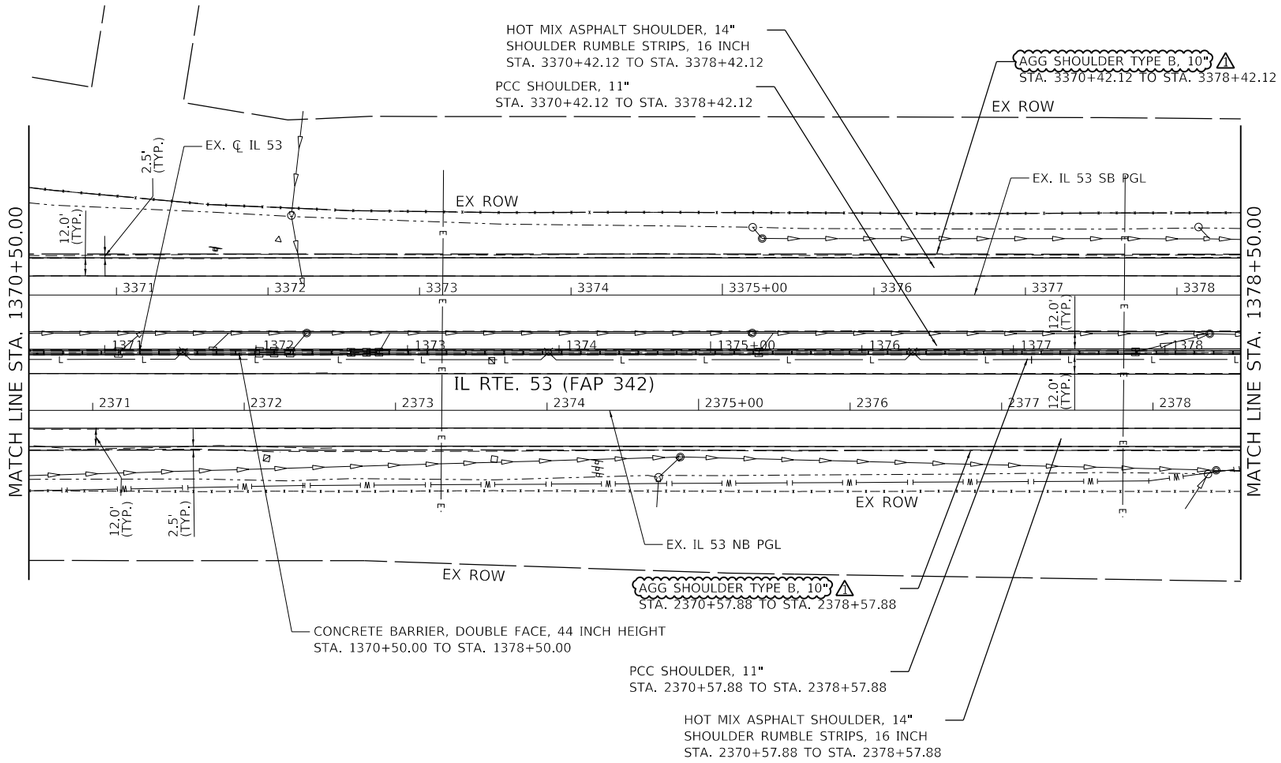

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

⚠1 REVISED SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
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USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 15 OF 23 SHEETS | STA. 1370+50.00 TO STA. 1378+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	130
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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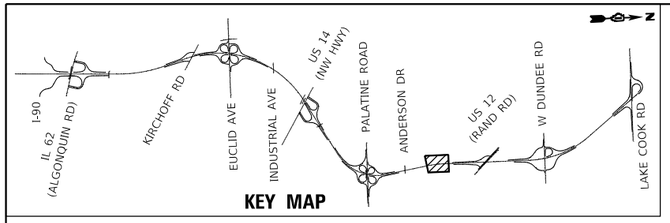

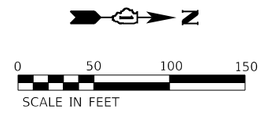

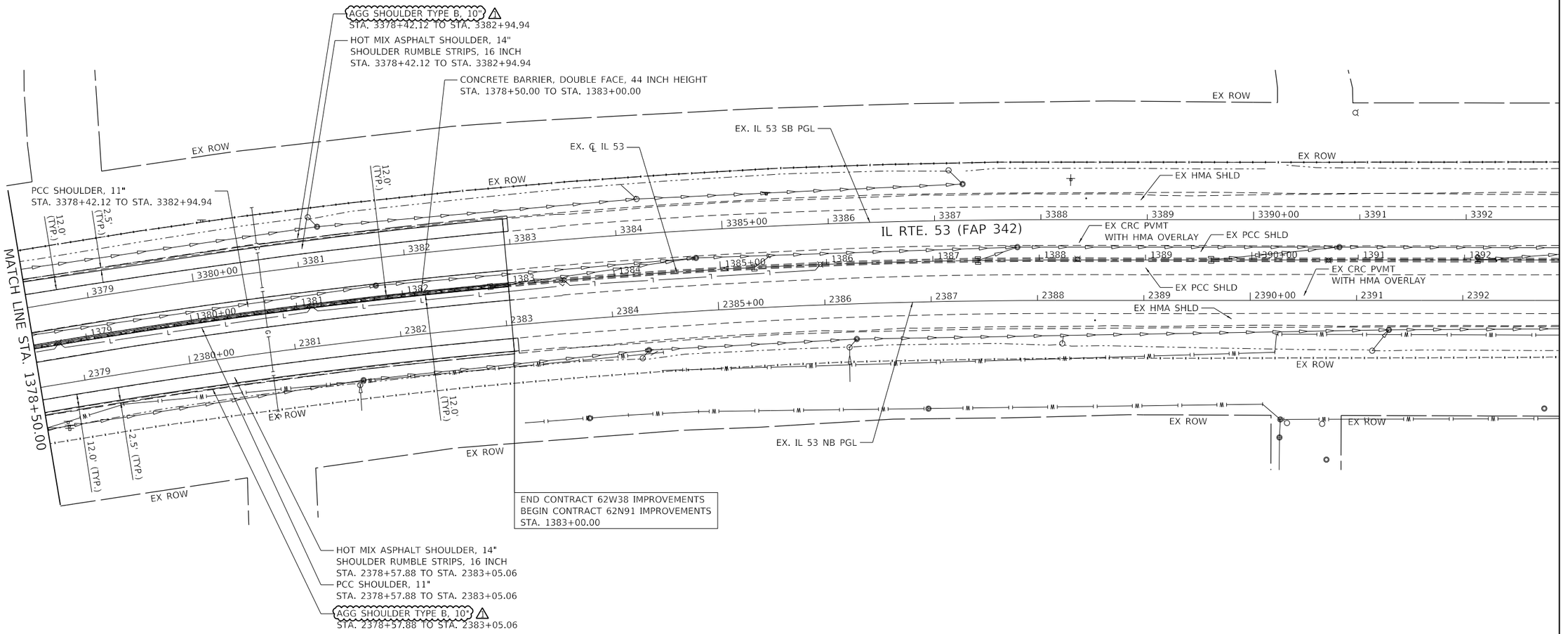

1 REVISED SHEET 10/31/2024

NOTES:

1. SEE SHEETS 148 TO 163 FOR ROADWAY RESURFACING PLAN.

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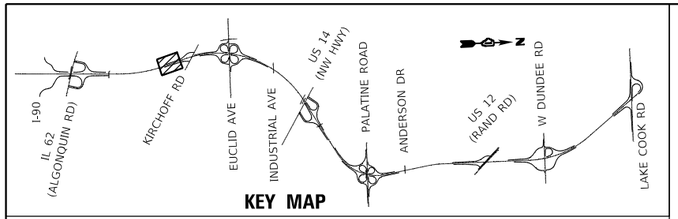
USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ROADWAY PLAN

SCALE: 1" = 50' | SHEET 16 OF 23 SHEETS | STA. 1378+50.00 TO STA. 1391+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	131
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	



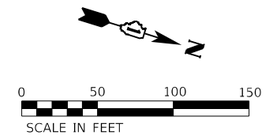
KEY MAP

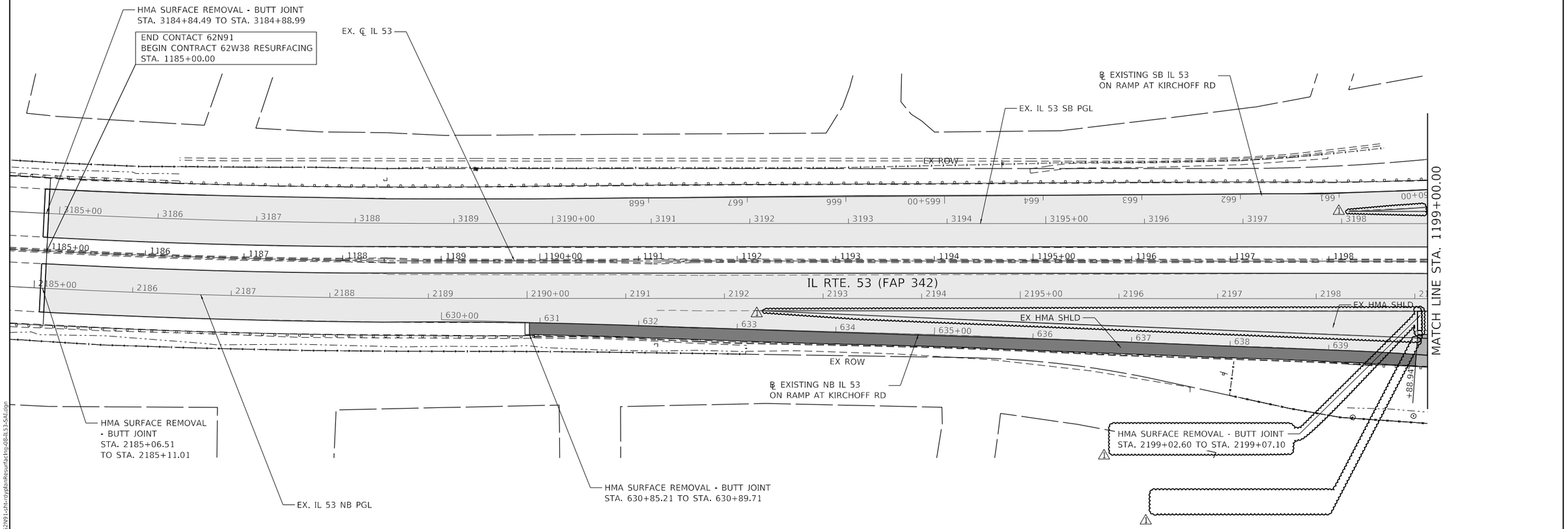
RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR POLY HMA BINDER COURSE, IL-4.75, N50, 3/4"
- HMA SURFACE REMOVAL, 4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

NOTES:

1. LOCATION AND TYPE OF PATCHES SHOWN ARE APPROXIMATE AND SHOWN FOR BIDDING PURPOSES ONLY. ACTUAL LOCATION AND SIZE OF PATCHES SHALL BE DETERMINED IN THE FIELD AT TIME OF CONSTRUCTION BY THE ENGINEER.
2. AFTER THE REMOVAL OF THE HMA SURFACE AT PATCH LOCATION, THE ENGINEER SHALL DETERMINE IF THE DISTRESSED PAVEMENT EXTENDS INTO THE ORIGINAL CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (CRC). REMOVAL OF THE CRC SHALL ONLY PROCEED UPON THE ENGINEER'S APPROVAL. SEE "CLASS A PATCH DETAIL" SHEET.
3. FOR QUANTITY PURPOSES, IT WAS ASSUMED THAT 30% OF THE CLASS A PATCHES WOULD NEED THE HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, WHICH IS IDENTIFIED AS CASE 1. SEE "CLASS A PATCH DETAIL" SHEET.
4. SEE SHEETS 116 TO 131 FOR ROADWAY AND SHOULDER RECONSTRUCTION.





1 REVISED SHEET 10/31/2024

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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 1 OF 16 SHEETS | STA. 1186+00.00 TO STA. 1199+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	148
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR POLY HMA BINDER COURSE, IL-4.75, N50, 3/4"
- HMA SURFACE REMOVAL, 4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

NOTES:

1. LOCATION AND TYPE OF PATCHES SHOWN ARE APPROXIMATE AND SHOWN FOR BIDDING PURPOSES ONLY. ACTUAL LOCATION AND SIZE OF PATCHES SHALL BE DETERMINED IN THE FIELD AT TIME OF CONSTRUCTION BY THE ENGINEER.
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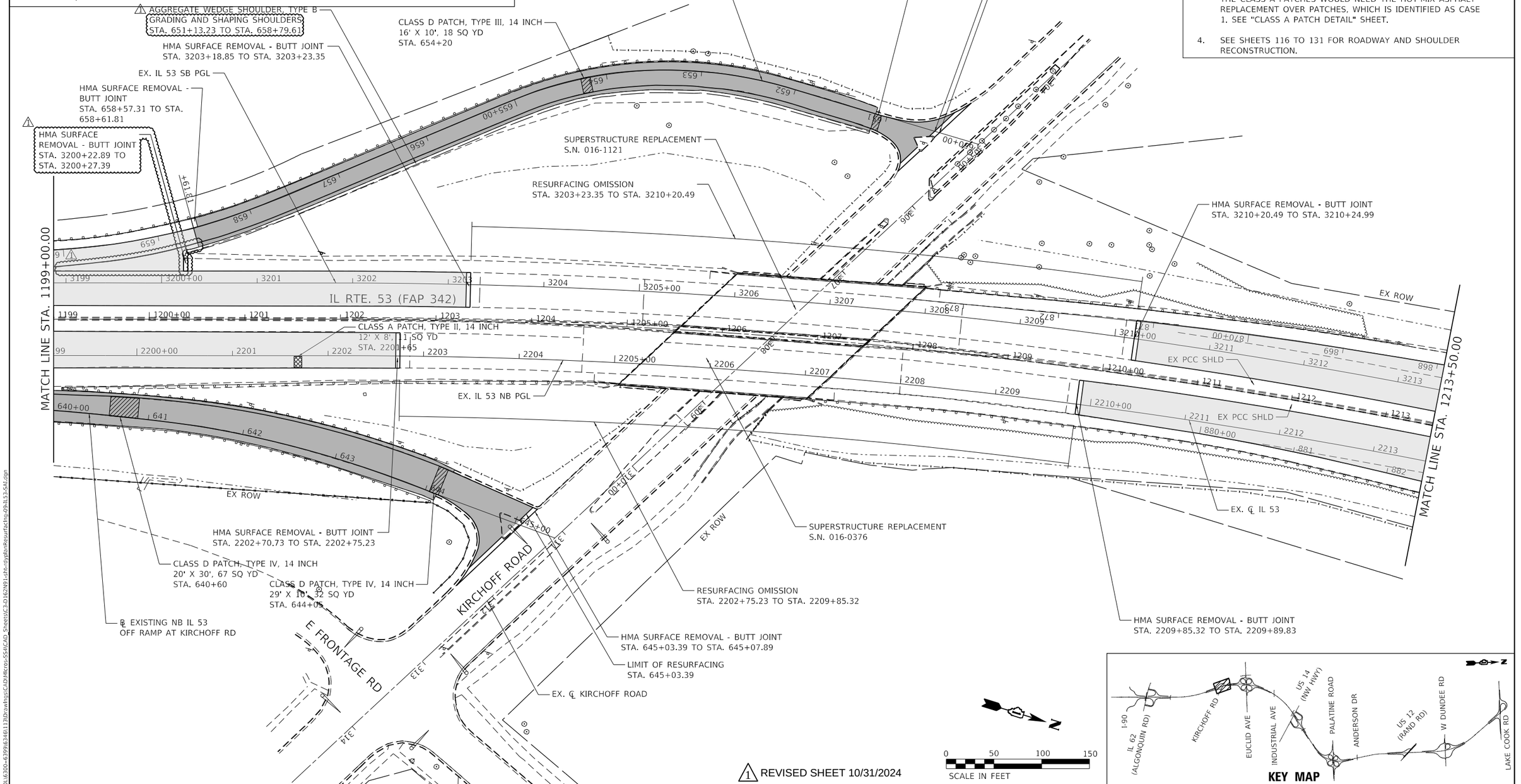
3. FOR QUANTITY PURPOSES, IT WAS ASSUMED THAT 30% OF THE CLASS A PATCHES WOULD NEED THE HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, WHICH IS IDENTIFIED AS CASE 1. SEE "CLASS A PATCH DETAIL" SHEET.
4. SEE SHEETS 116 TO 131 FOR ROADWAY AND SHOULDER RECONSTRUCTION.



1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 2 OF 16 SHEETS | STA. 1199+00.00 TO STA. 1213+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	149
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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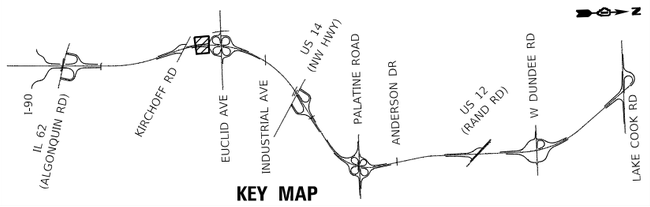


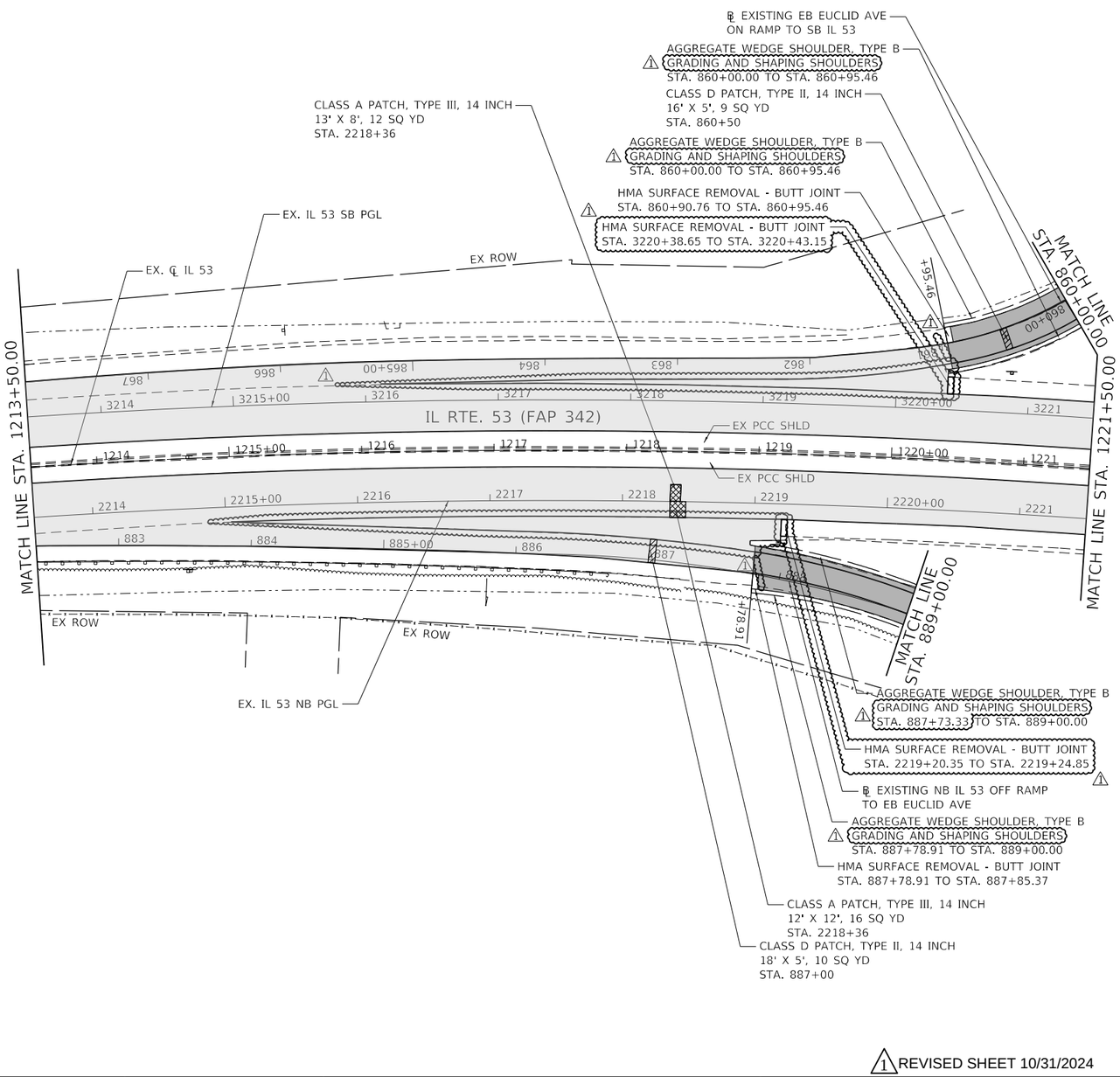
KEY MAP

RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR POLY HMA BINDER COURSE, IL-4.75, N50, 3/4"
- HMA SURFACE REMOVAL, 4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

N

0 50 100 150
SCALE IN FEET



NOTES:

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1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 3 OF 16 SHEETS | STA. 1213+50.00 TO STA. 1221+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	150
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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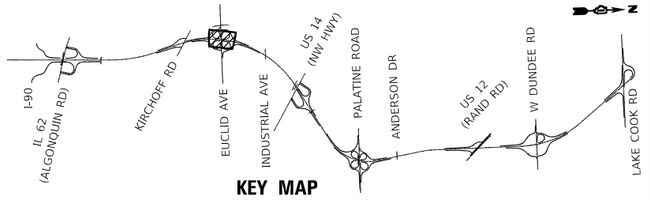
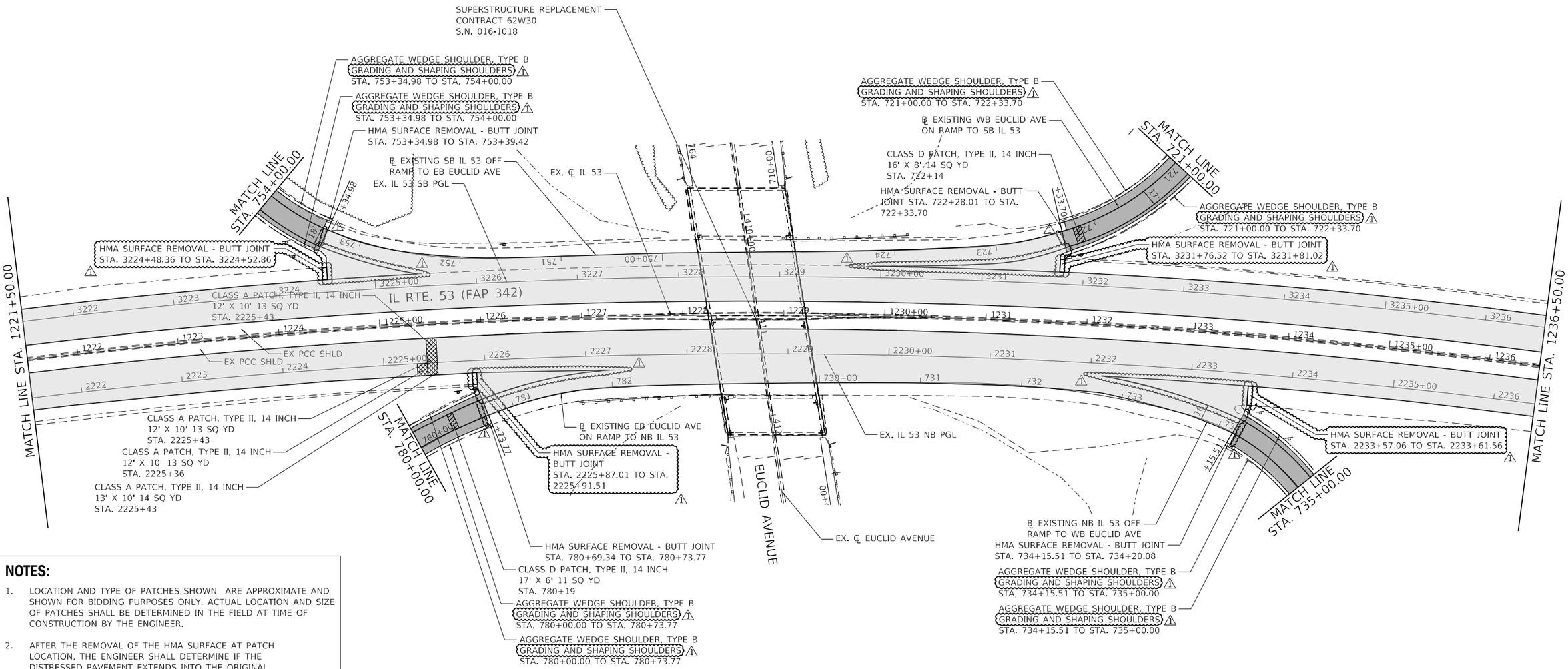


KEY MAP

RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR POLY HMA BINDER COURSE, IL-4.75, N50, 3/4"
- HMA SURFACE REMOVAL, 4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

0 50 100 150
SCALE IN FEET



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1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 4 OF 16 SHEETS | STA. 1221+50.00 TO STA. 1236+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	151
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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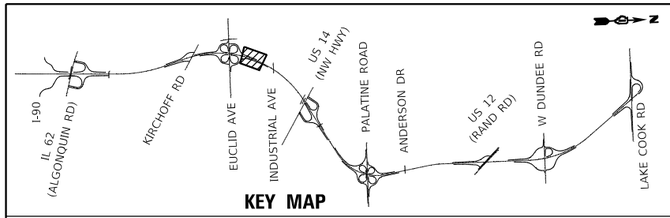
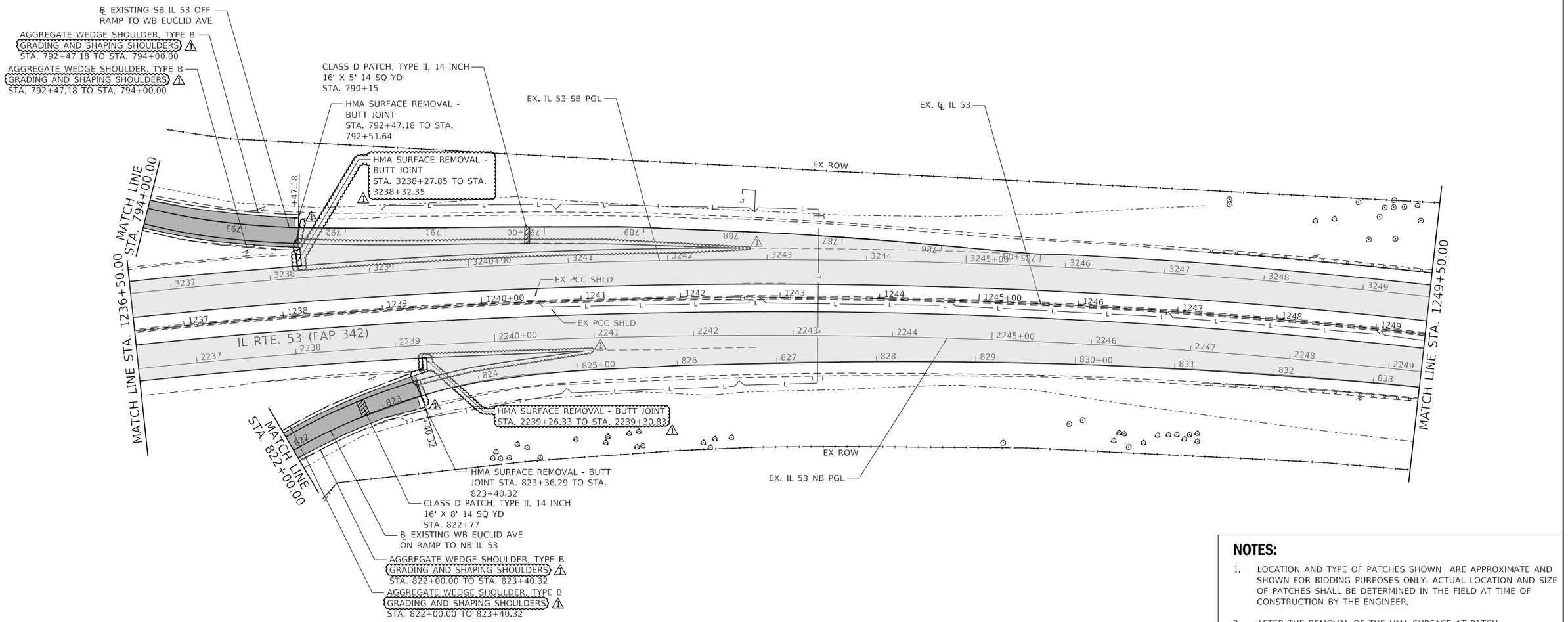


KEY MAP

RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR POLY HMA BINDER COURSE, IL-4.75, N50, 3/4"
- HMA SURFACE REMOVAL, 4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

0 50 100 150
SCALE IN FEET



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1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 5 OF 16 SHEETS | STA. 1236+50.00 TO STA. 1249+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	152
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR POLY HMA BINDER COURSE, IL-4.75, N50, 3/4"
- HMA SURFACE REMOVAL, 4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

NOTES:

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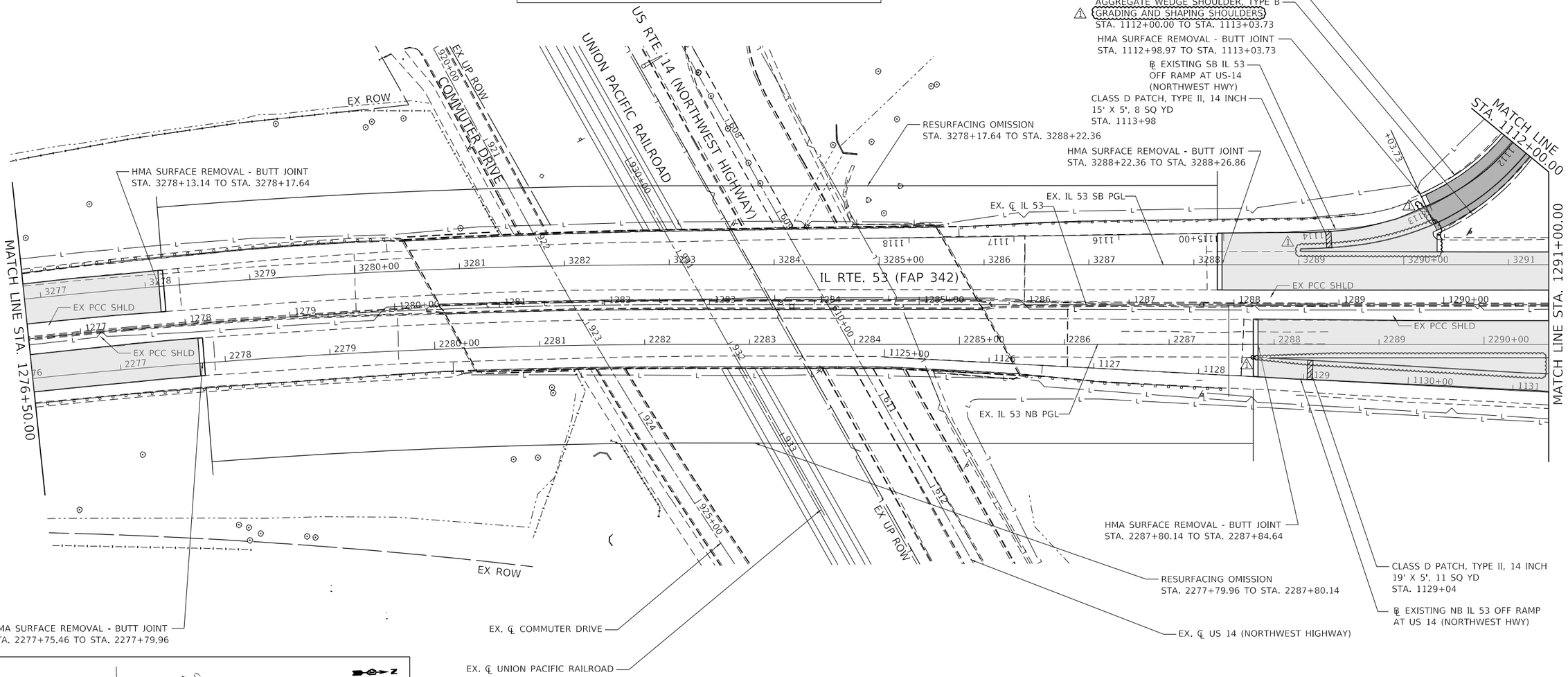
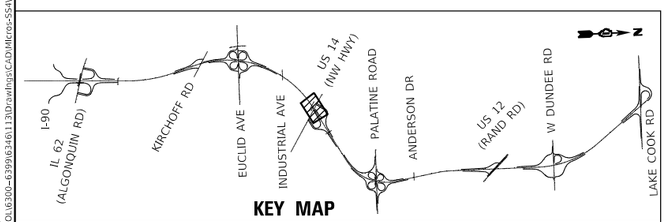
4. SEE SHEETS 116 TO 131 FOR ROADWAY AND SHOULDER RECONSTRUCTION.

N

0 50 100 150
SCALE IN FEET





KEY MAP

1 REVISED SHEET 10/31/2024

MODEL: Default
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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 8 OF 16 SHEETS | STA. 1276+50.00 TO STA. 1291+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	155
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
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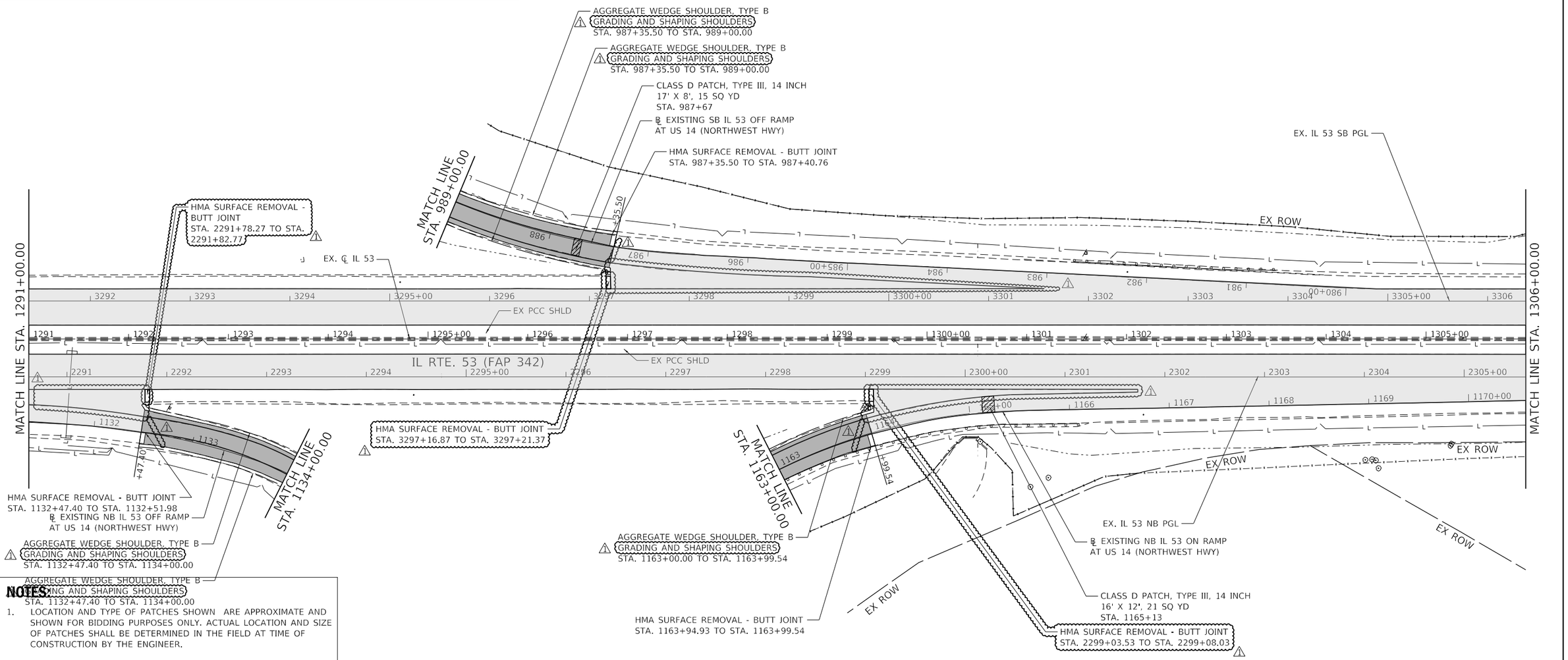
- HMA SURFACE REMOVAL, 4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

N

0 50 100 150
SCALE IN FEET



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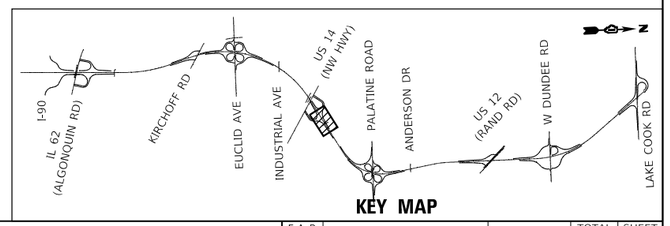

KEY MAP

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠ 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 9 OF 16 SHEETS | STA. 1291+00.00 TO STA. 1306+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	156
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
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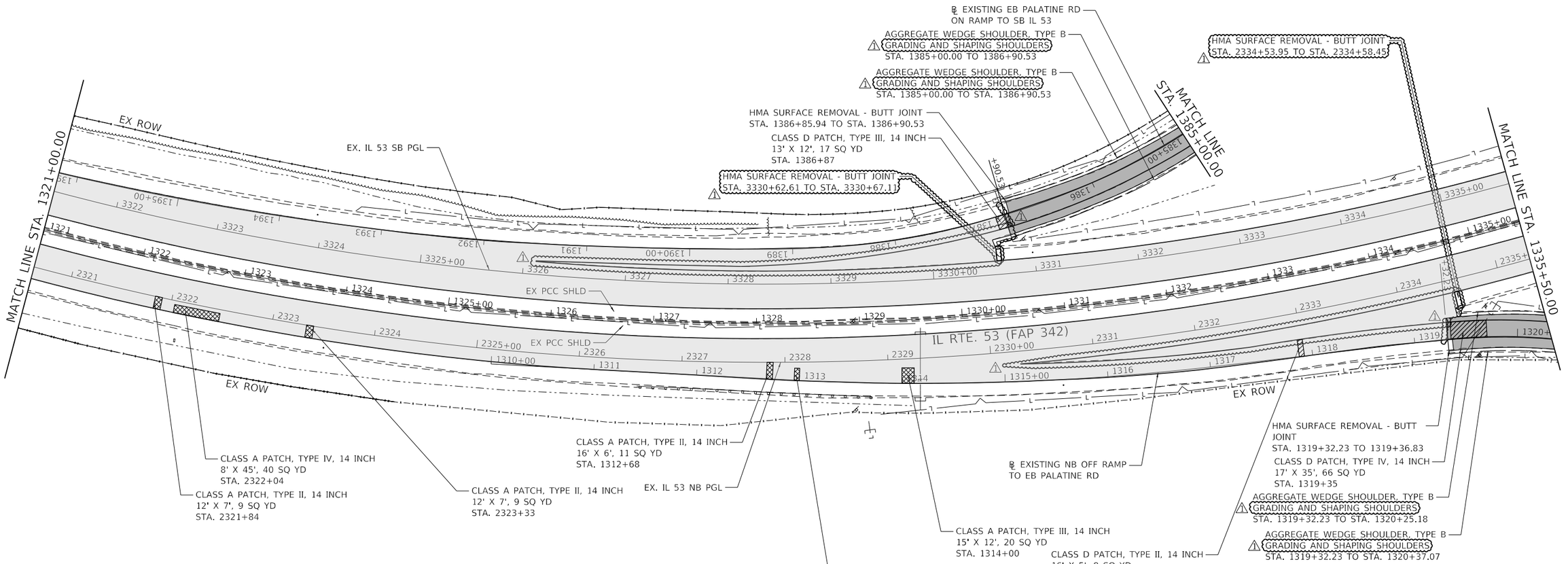
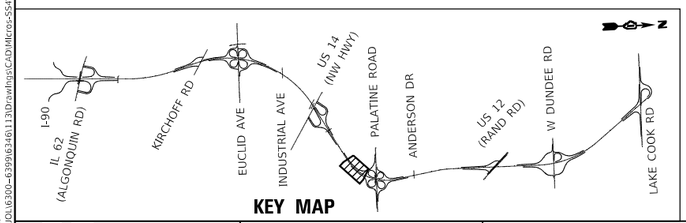
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

N

0 50 100 150
SCALE IN FEET





KEY MAP

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1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 11 OF 16 SHEETS | STA. 1321+00.00 TO STA. 1335+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	158
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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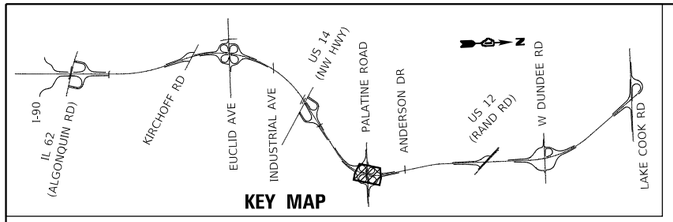

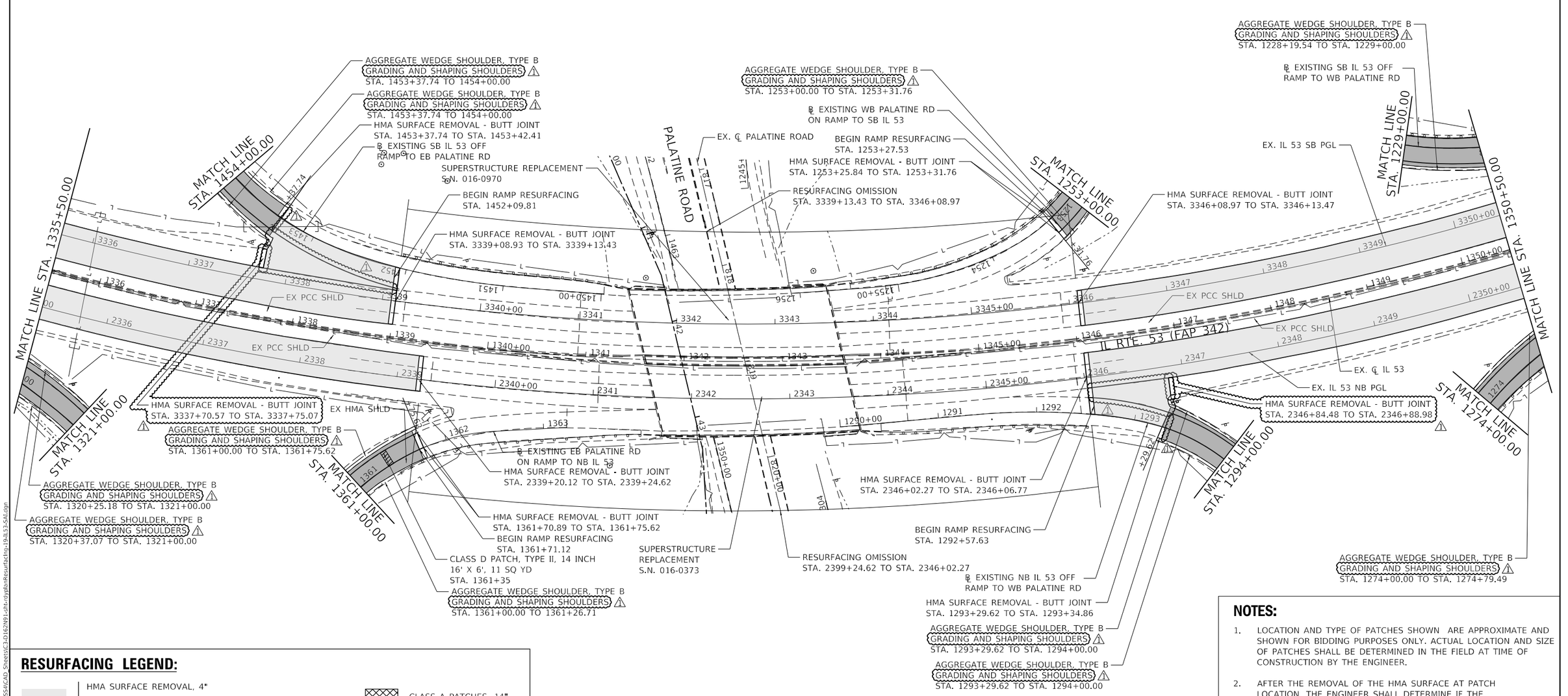

RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR POLY HMA BINDER COURSE, IL-4.75, N50, 3/4"
- HMA SURFACE REMOVAL, 4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

NOTES:

1. LOCATION AND TYPE OF PATCHES SHOWN ARE APPROXIMATE AND SHOWN FOR BIDDING PURPOSES ONLY. ACTUAL LOCATION AND SIZE OF PATCHES SHALL BE DETERMINED IN THE FIELD AT TIME OF CONSTRUCTION BY THE ENGINEER.
2. AFTER THE REMOVAL OF THE HMA SURFACE AT PATCH LOCATION, THE ENGINEER SHALL DETERMINE IF THE DISTRESSED PAVEMENT EXTENDS INTO THE ORIGINAL CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (CRC). REMOVAL OF THE CRC SHALL ONLY PROCEED UPON THE ENGINEER'S APPROVAL. SEE "CLASS A PATCH DETAIL" SHEET.
3. FOR QUANTITY PURPOSES, IT WAS ASSUMED THAT 30% OF THE CLASS A PATCHES WOULD NEED THE HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, WHICH IS IDENTIFIED AS CASE 1. SEE "CLASS A PATCH DETAIL" SHEET.
4. SEE SHEETS 116 TO 131 FOR ROADWAY AND SHOULDER RECONSTRUCTION.

1 REVISED SHEET 10/31/2024

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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

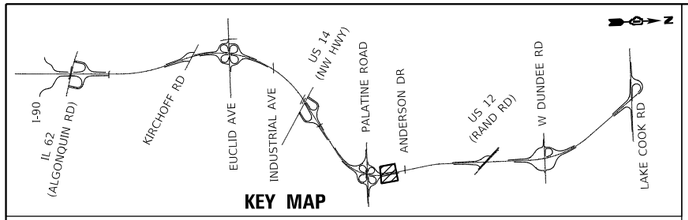
USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 12 OF 16 SHEETS | STA. 1335+50.00 TO STA. 1350+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	159
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

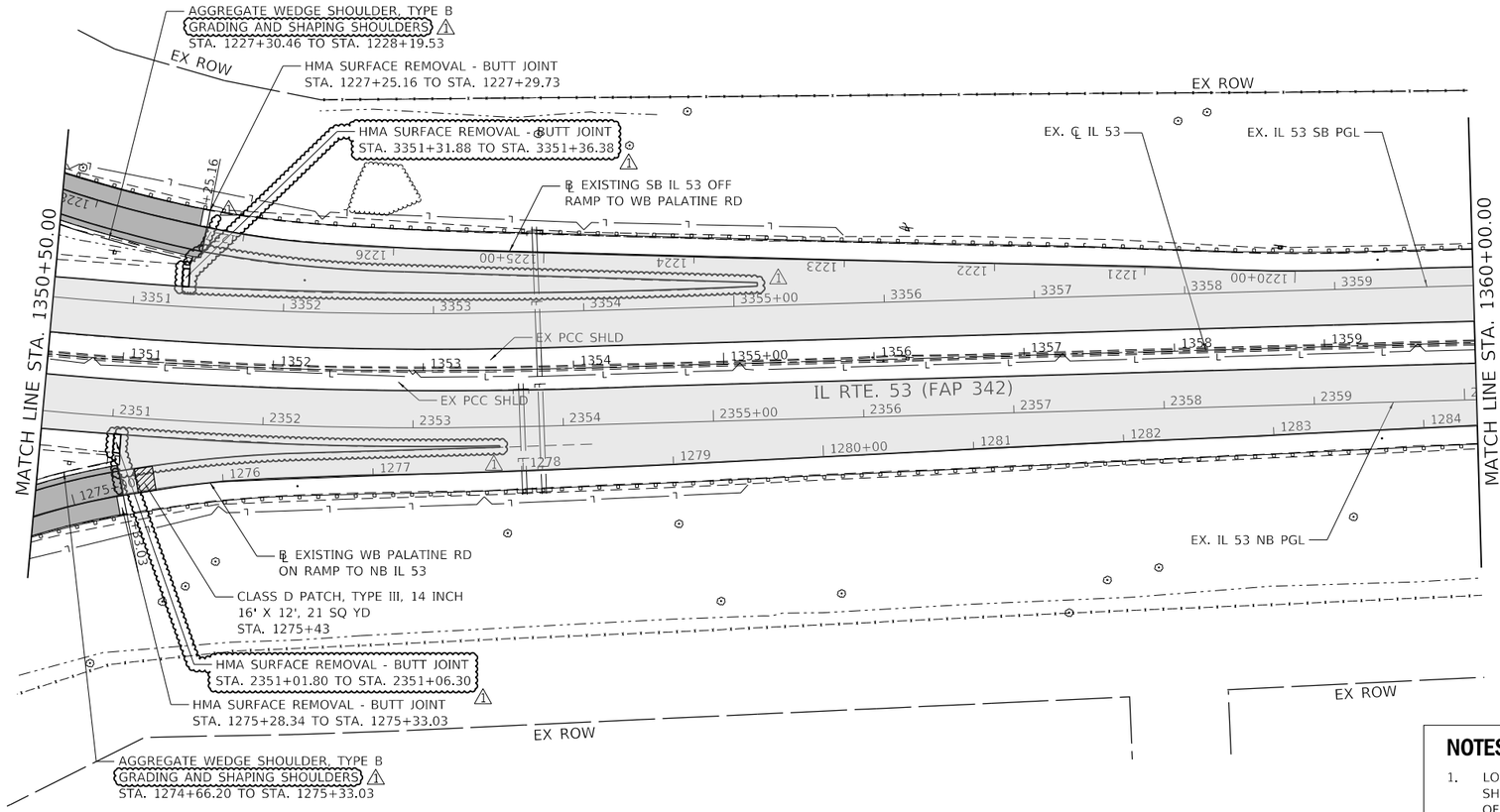


KEY MAP

RESURFACING LEGEND:

- HMA SURFACE REMOVAL, 4"
  PR POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
  PR POLY HMA BINDER COURSE, SMA, 12.5, N80, 2"
- HMA SURFACE REMOVAL, 2 1/4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR POLY HMA BINDER COURSE, IL-4.75, N50, 3/4"
- HMA SURFACE REMOVAL, 4"
  PR HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
  PR HMA BINDER COURSE, IL-19.0, N70, 2 1/2"
- CLASS A PATCHES, 14"
- CLASS D PATCHES, 14"

0 50 100 150
SCALE IN FEET



NOTES:

1. LOCATION AND TYPE OF PATCHES SHOWN ARE APPROXIMATE AND SHOWN FOR BIDDING PURPOSES ONLY. ACTUAL LOCATION AND SIZE OF PATCHES SHALL BE DETERMINED IN THE FIELD AT TIME OF CONSTRUCTION BY THE ENGINEER.
2. AFTER THE REMOVAL OF THE HMA SURFACE AT PATCH LOCATION, THE ENGINEER SHALL DETERMINE IF THE DISTRESSED PAVEMENT EXTENDS INTO THE ORIGINAL CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (CRC). REMOVAL OF THE CRC SHALL ONLY PROCEED UPON THE ENGINEER'S APPROVAL. SEE "CLASS A PATCH DETAIL" SHEET.
3. FOR QUANTITY PURPOSES, IT WAS ASSUMED THAT 30% OF THE CLASS A PATCHES WOULD NEED THE HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, WHICH IS IDENTIFIED AS CASE 1. SEE "CLASS A PATCH DETAIL" SHEET.
4. SEE SHEETS 116 TO 131 FOR ROADWAY AND SHOULDER RECONSTRUCTION.

1 REVISED SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
RESURFACING PLAN

SCALE: 1" = 50' | SHEET 13 OF 16 SHEETS | STA. 1350+50.00 TO STA. 1360+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	160
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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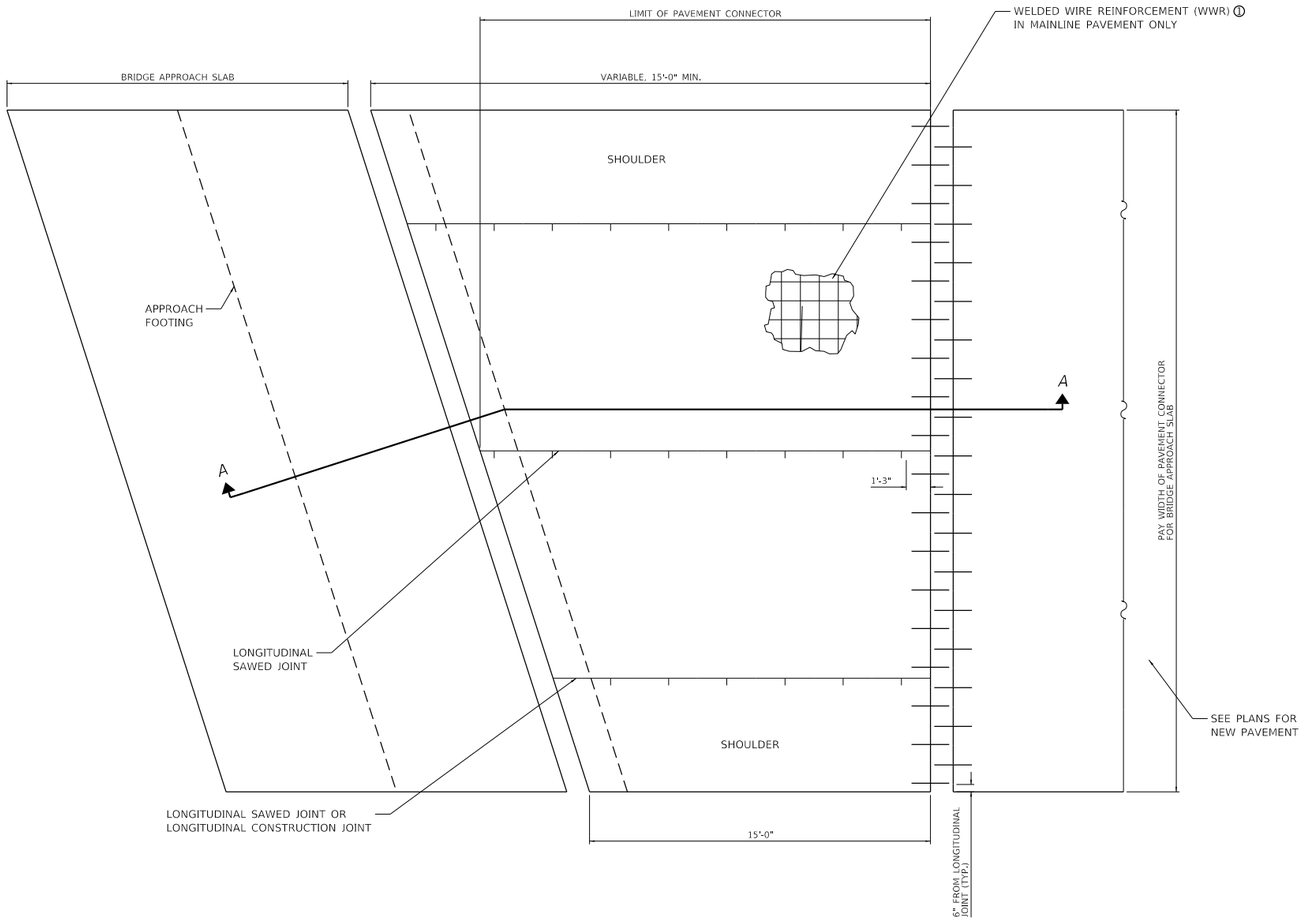
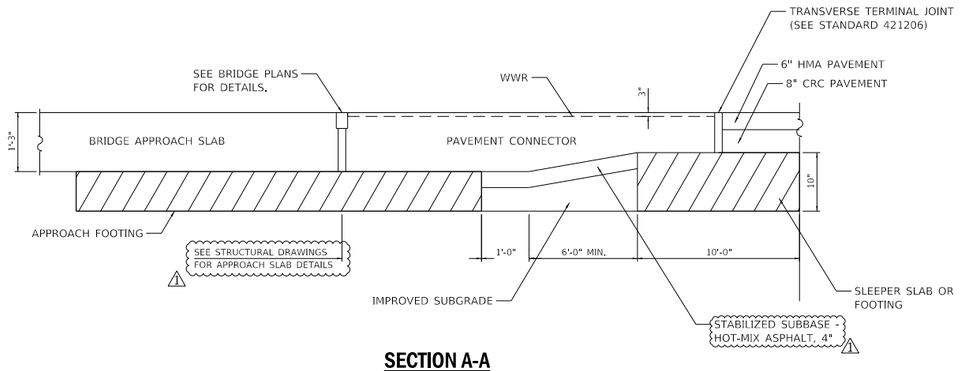


PLAN



SECTION A-A

① WWR SHALL BE 0.11 SQ. IN./FT. IN BOTH DIRECTIONS. MAXIMUM WIRE SPACING SHALL BE 6". MINIMUM LAP DISTANCE SHALL BE TWO CROSS WIRES.

NOTES:

1. THICKNESS-"t"=THICKNESS OF PAVEMENT.
2. SEE STANDARD 420001 FOR PAVEMENT JOINT DETAILS NOT SHOWN.
3. SEE STANDARD 610001 FOR SHOULDER INLET WITH CURB WHEN REQUIRED.
4. SEE PLANS FOR DETAILS OF BRIDGE APPROACH SLAB, APPROACH FOOTING, AND JOINT TREATMENT.

⚠1 REVISED SHEET 10/31/2024

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USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT CONNECTOR FOR BRIDGE APPROACH SLAB

SCALE: NA | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	175
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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STAGING GENERAL NOTES

1. TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION FOR TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE ENGINEER SHALL BE INFORMED IN WRITING A MINIMUM OF 48 HOURS IN ADVANCE OF ANY CHANGE TO THE TRAFFIC CONTROL PLANS.

2. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATIONS SHOWN IN THE TRAFFIC CONTROL PLANS. THE CONTRACTOR SHALL RESPOND PROMPTLY TO ANY DIRECTION GIVEN BY THE ENGINEER FOR MAINTENANCE OF TRAFFIC CONTROL DEVICES.

3. CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE DISTRICT ONE AND STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER.

4. CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.

5. TEMPORARY PAVEMENT MARKINGS SHALL BE TYPE IV TAPE. MODIFIED URETHANE SHALL BE USED FOR WINTER SHUTDOWN.

6. EXISTING PAVEMENT MARKINGS IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED.

7. EXISTING SIGNS SHALL BE COVERED UP IF IN CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN.

8. TEMPORARY BARRIER SHALL BE PLACED AT A MINIMUM DISTANCE OF 6 INCHES FROM DROP-OFF. PIN TEMPORARY BARRIER WHEN DROP-OFF IS BETWEEN 6 INCHES AND 2 FEET. AS SHOWN IN THE PLANS. 1

9. REFER TO TEMPORARY TRAFFIC SIGNAL PLANS FOR INFORMATION REGARDING TRAFFIC SIGNAL EQUIPMENT AND TIMING DURING CONSTRUCTION.

10. A MINIMUM LANE WIDTH OF 11 FEET FOR THE MAINLINE LANES SHALL BE MAINTAINED DURING ALL STAGES OF CONSTRUCTION. A MINIMUM LANE WIDTH OF 13 FEET FOR THE COUNTERFLOW LANES SHALL BE MAINTAINED. A MINIMUM LANE WIDTH OF 12 FEET ON TANGENTS AND 16 FEET ON CURVES FOR THE RAMPS SHALL BE MAINTAINED.

11. CONTRACTOR SHALL PLACE A MINIMUM OF ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT LOCATION(S) DESIGNATED BY THE ENGINEER IN ORDER TO INFORM MOTORIST OF UPCOMING CONSTRUCTION CHANGES A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE COMMENCEMENT OF CONSTRUCTION AND SUBSEQUENT STAGE CHANGES.

12. CONTRACT 62W30 IS ANTICIPATED TO BE CONSTRUCTED IN 2025. THE CONTRACT LIMITS ARE WITHIN THE CONTRACT 62W38 LIMITS. THE WORK CONSISTS OF EUCLID AVENUE BRIDGE SUPERSTRUCTURE REPLACEMENT, SUBSTRUCTURE REPAIRS AT THE PIERS, CRASHWALL CONSTRUCTION, AND GUARDRAIL INSTALLATION ALONG THE EUCLID RAMPS. TRAFFIC CONTROL SHALL BE COORDINATED WITH CONTRACT 62W30 TO COMPLETE WORK ITEMS.

13. ADJACENT CONTRACT 62N91 IS ANTICIPATED TO BE CONSTRUCTED IN 2025 AND 2026. THE CONTRACT LIMITS ARE FROM I-90 TO SOUTH OF KIRCHOFF ROAD BRIDGE AND FROM NORTH OF ANDERSON DRIVE BRIDGE TO LAKE COOK ROAD. THE WORK CONSISTS OF BRIDGE REHABILITATION AND PAVEMENT RESURFACING. TRAFFIC CONTROL SHALL BE COORDINATED WITH CONTRACT 62N91 TO COMPLETE WORK ITEMS.

14. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP, AND SHOULDER CLOSURES AND SEVEN DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON THE WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.

15. CONNECTION BETWEEN THE TEMPORARY CONCRETE BARRIER AND EXISTING STRUCTURE SHALL BE MADE WITH THRIE BEAM BOLTED ON BOTH SIDES. NO BLUNT ENDS OR GAPS SHALL BE ALLOWED. COST OF THE CONNECTION TO BE INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER PAY ITEMS.

16. CONTRACT 62X55 IS ANTICIPATED TO BE CONSTRUCTED IN 2025 AND 2026. THE CONTRACTS LIMITS ARE WITHIN THE CONTRACT 62W38 LIMITS. THE WORK CONSISTS OF US 14, UNION PACIFIC RAILROAD, AND COMMUTER DRIVE BRIDGE DECK REPLACEMENT, SUBSTRUCTURE REPAIRS AT THE PIERS, CRASHWALL CONSTRUCTION, AND PAVEMENT RECONSTRUCTION. TRAFFIC CONTROL SHALL BE COORDINATED WITH CONTRACT 62X55. CONTRACT 62X55 MAY MODIFY MAINLINE AND RAMP TEMPORARY TRAFFIC CONTROL TO COMPLETE WORK ITEMS.

17. THE PAY ITEM "BARRIER WALL REFLECTORS, TYPE C" IS INTENDED SOLELY TO BE USED FOR REFLECTOR APPLICATIONS ON PERMANENT AND EXISTING CONCRETE BARRIER AND IS NOT TO BE USED FOR TEMPORARY CONCRETE BARRIER WHERE THE TYPE C REFLECTOR IS CONSIDERED INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER PER HIGHWAY STANDARD 704001. 1

1 REVISED SHEET 10/31/2024

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FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-ILDocuments\Project 62N91-IL 53 Bridge\CAD Sheets\D162W38-smt-staging-generalNotes-01-WSP.dgn

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		DRAWN - MM	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -		
	PLOT DATE = 10/21/2024	DATE - 8/23/2024	REVISED -		SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	179
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

SEQUENCE OF CONSTRUCTION – KIRCHOFF ROAD

STAGE 1

1. REMOVE AND RELOCATE OR COVER ANY CONFLICTING EXISTING SIGNS. INSTALL WORK ZONE SIGNS.
2. REMOVE PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLANS.
3. PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY CONCRETE BARRIER PER STAGE 1 TRAFFIC CONTROL PLAN. (1)
4. PERMANENT CLOSE EASTBOUND AND WESTBOUND OUTSIDE LANES OF KIRCHOFF ROAD. MAINTAIN ONE THROUGH LANES IN EACH DIRECTION. MAINTAIN EXISTING MULTI-USE PATH DURING CONSTRUCTION.
5. REPAIR BRIDGE PIERS AND INSTALL CONCRETE CRASH WALLS AND GUARDRAILS.

WINTER SHUTDOWN

1. REMOVE WORK ZONE SIGNS FROM PREVIOUS STAGE. MAINTAIN EXISTING SIGNS.
2. REMOVE TEMPORARY PAVEMENT MARKINGS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN.
3. INSTALL TEMPORARY PAVEMENT MARKINGS PER WINTER SHUTDOWN PLANS.
4. TWO WESTBOUND AND TWO EASTBOUND THROUGH LANES SHALL BE PROVIDED ON THE EXISTING LANE CONFIGURATION.

FINAL STAGE

1. REMOVE TEMPORARY PAVEMENT MARKINGS AND WORK ZONE SIGNS. MAINTAIN EXISTING SIGNS.
2. COMPLETE LANDSCAPING RESTORATION UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.
3. COMPLETE PERMANENT PAVEMENT MARKINGS UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.

SEQUENCE OF CONSTRUCTION – INDUSTRIAL AVENUE

STAGE 1

1. REMOVE AND RELOCATE OR COVER ANY CONFLICTING EXISTING SIGNS. INSTALL WORK ZONE SIGNS.
2. REMOVE PAVEMENT MARKINGS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLANS.
3. PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY CONCRETE BARRIER PER STAGE 1 TRAFFIC CONTROL PLAN. (1)
4. SHIFT EASTBOUND AND WESTBOUND LANES OF INDUSTRIAL AVENUE TO THE SOUTH SIDE.
5. REPAIR WESTBOUND BRIDGE PIERS AND INSTALL CONCRETE CRASH WALLS AND GUARDRAILS.

STAGE 2

1. REMOVE AND RELOCATE OR COVER ANY CONFLICTING EXISTING SIGNS. MAINTAIN OR RELOCATE WORK ZONE SIGNS.
2. REMOVE PAVEMENT MARKINGS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLANS.
3. PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY CONCRETE BARRIER PER STAGE 2 TRAFFIC CONTROL PLAN. (1)
4. SHIFT EASTBOUND AND WESTBOUND LANES OF INDUSTRIAL AVENUE TO THE NORTH SIDE. MAINTAIN EXISTING MULTI-USE PATH DURING CONSTRUCTION.
5. REPAIR EASTBOUND BRIDGE PIERS AND INSTALL CONCRETE CRASH WALLS.

WINTER SHUTDOWN

1. REMOVE WORK ZONE SIGNS FROM PREVIOUS STAGE. MAINTAIN EXISTING SIGNS.
2. REMOVE TEMPORARY PAVEMENT MARKINGS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN.
3. INSTALL TEMPORARY PAVEMENT MARKINGS PER WINTER SHUTDOWN PLANS.
4. ONE WESTBOUND AND ONE EASTBOUND THROUGH LANES SHALL BE PROVIDED ON THE EXISTING LANE CONFIGURATION.

FINAL STAGE

1. REMOVE TEMPORARY PAVEMENT MARKINGS AND WORK ZONE SIGNS. MAINTAIN EXISTING SIGNS.
2. COMPLETE LANDSCAPING RESTORATION UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.
3. COMPLETE PERMANENT PAVEMENT MARKINGS UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.

SEQUENCE OF CONSTRUCTION – COMMUTER DRIVE

STAGE 1

1. MAINTAIN EXISTING PAVEMENT MARKINGS AND SIGNS.

STAGE 2

1. MAINTAIN EXISTING SIGNS.
2. TEMPORARY CLOSE WESTBOUND LANE OF COMMUTER DRIVE. MAINTAIN ONE LANE, TWO-WAY TRAFFIC ON THE EASTBOUND LANE PER APPLICABLE IDOT HIGHWAY STANDARDS.
3. INSTALL CONCRETE CRASH WALLS AND GUARDRAILS AT WESTBOUND BRIDGE PIERS.

WINTER SHUTDOWN

1. MAINTAIN ONE WESTBOUND AND ONE EASTBOUND THROUGH LANES ON THE EXISTING LANE CONFIGURATION PER WINTER SHUTDOWN PLANS.

FINAL STAGE

1. COMPLETE LANDSCAPING RESTORATION UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.

SEQUENCE OF CONSTRUCTION – US 14

STAGE 1

1. MAINTAIN EXISTING SIGNS. REMOVE CONFLICTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKING REFLECTORS. INSTALL TEMPORARY PAVEMENT MARKINGS, DRUMS, AND WORK ZONE SIGNS PER STAGE 1 TRAFFIC CONTROL PLAN.
2. TEMPORARY CLOSE OUTSIDE EASTBOUND LANE OF US 14 PER APPLICABLE IDOT HIGHWAY STANDARDS. PERMANENT CLOSE OUTSIDE WESTBOUND LANE PER APPLICABLE IDOT HIGHWAY STANDARDS. MAINTAIN EXISTING SIDEWALK DURING CONSTRUCTION.
3. CONSTRUCT GUARDRAILS.

STAGE 2

1. REMOVE AND RELOCATE OR COVER ANY CONFLICTING EXISTING SIGNS. MAINTAIN OR RELOCATE WORK ZONE SIGNS.
2. REMOVE PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLANS.
3. PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY CONCRETE BARRIER PER STAGE 2 TRAFFIC CONTROL PLAN. (1)
4. PERMANENT CLOSE EASTBOUND AND WESTBOUND INSIDE LANE OF US 14. MAINTAIN ONE THROUGH LANE IN EACH DIRECTION.
5. REMOVE AND RECONSTRUCT MEDIAN AND INSTALL ATTENUATORS.

WINTER SHUTDOWN

1. REMOVE WORK ZONE SIGNS FROM PREVIOUS STAGE. MAINTAIN EXISTING SIGNS.
2. REMOVE TEMPORARY PAVEMENT MARKINGS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN.
3. INSTALL TEMPORARY PAVEMENT MARKINGS PER WINTER SHUTDOWN PLANS.
4. TWO WESTBOUND AND TWO EASTBOUND THROUGH LANES SHALL BE PROVIDED ON THE EXISTING LANE CONFIGURATION.

FINAL STAGE

1. REMOVE TEMPORARY PAVEMENT MARKINGS AND WORK ZONE SIGNS. MAINTAIN EXISTING SIGNS.
2. THE INTERSECTION IMPROVEMENTS AT THE SB OFF RAMP AND NB ON RAMP SHALL BE COMPLETED UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.
3. COMPLETE LANDSCAPING RESTORATION UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.
4. COMPLETE PERMANENT PAVEMENT MARKINGS UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.

SEQUENCE OF CONSTRUCTION – PALATINE ROAD

STAGE 1

1. MAINTAIN EXISTING SIGNS. REMOVE CONFLICTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKING REFLECTORS. INSTALL TEMPORARY PAVEMENT MARKINGS, TEMPORARY CONCRETE BARRIER, AND WORK ZONE SIGNS PER STAGE 1 TRAFFIC CONTROL PLAN. (1)
2. MAINTAIN TWO EASTBOUND AND TWO WESTBOUND THROUGH LANES OF PALATINE ROAD. CLOSE ASTBOUND AND WESTBOUND AUXILIARY LANES.
3. REPAIR EASTBOUND AND WESTBOUND BRIDGE PIERS, CONSTRUCT CONCRETE CRASH WALLS, GUARDRAILS, AND MULTI-USE PATH.

STAGE 2

1. MAINTAIN EXISTING SIGNS. RELOCATE WORK ZONE SIGNS.
2. REMOVE PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLANS.
3. INSTALL TEMPORARY PAVEMENT AND PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY CONCRETE BARRIER PER STAGE 2 TRAFFIC CONTROL PLAN. (1)
4. SHIFT TWO EASTBOUND AND TWO WESTBOUND THROUGH LANES TOWARDS AUXILIARY LANES.
5. REPAIR MEDIAN BRIDGE PIER AND INSTALL CONCRETE CRASH WALLS AND MEDIAN SURFACE.

WINTER SHUTDOWN

1. REMOVE WORK ZONE SIGNS FROM PREVIOUS STAGE. MAINTAIN EXISTING SIGNS.
2. REMOVE TEMPORARY PAVEMENT MARKINGS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN.
3. INSTALL TEMPORARY PAVEMENT MARKINGS PER WINTER SHUTDOWN PLANS.
4. MAINTAIN TWO WESTBOUND THROUGH LANES AND AUXILIARY LANE AND TWO EASTBOUND THROUGH LANES AND AUXILIARY LANE ON THE EXISTING LANE CONFIGURATION.

FINAL STAGE

1. REMOVE TEMPORARY PAVEMENT, TEMPORARY PAVEMENT MARKINGS, AND WORK ZONE SIGNS. MAINTAIN EXISTING SIGNS.
2. COMPLETE LANDSCAPING RESTORATION UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.
3. COMPLETE PERMANENT PAVEMENT MARKINGS UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.

SEQUENCE OF CONSTRUCTION – ANDERSON DRIVE

STAGE 1

1. MAINTAIN EXISTING SIGNS. INSTALL WORK ZONE SIGNS. REMOVE PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLANS.
2. PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY CONCRETE BARRIER PER STAGE 1 TRAFFIC CONTROL PLAN. (1)
3. SHIFT EASTBOUND AND WESTBOUND LANES OF ANDERSON DRIVE TO THE NORTH SIDE.
4. REPAIR EASTBOUND ABUTMENT, CONSTRUCT CURB AND GUTTER, AND SIDEWALK.

STAGE 2

1. MAINTAIN EXISTING SIGNS. RELOCATE WORK ZONE SIGNS. REMOVE PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLANS.
2. PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY CONCRETE BARRIER PER STAGE 2 TRAFFIC CONTROL PLAN. (1)
3. SHIFT EASTBOUND AND WESTBOUND LANES OF ANDERSON DRIVE TO THE SOUTH SIDE.
4. REPAIR WESTBOUND ABUTMENT, RECONSTRUCT CURB AND GUTTER, AND SIDEWALK.

WINTER SHUTDOWN

1. REMOVE WORK ZONE SIGNS FROM PREVIOUS STAGE. MAINTAIN EXISTING SIGNS. REMOVE TEMPORARY PAVEMENT MARKINGS THAT MAY CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN.
2. INSTALL TEMPORARY PAVEMENT MARKINGS PER WINTER SHUTDOWN PLANS.
3. MAINTAIN ONE WESTBOUND THROUGH LANE AND ONE EASTBOUND THROUGH LANE ON THE EXISTING LANE CONFIGURATION.

FINAL STAGE

1. REMOVE TEMPORARY PAVEMENT MARKINGS AND WORK ZONE SIGNS. MAINTAIN EXISTING SIGNS.
2. MILL AND RESURFACE THE TRAVEL LANES PER PLANS. THIS WORK SHALL BE COMPLETED UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.

3 COMPLETE LANDSCAPING RESTORATION UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.

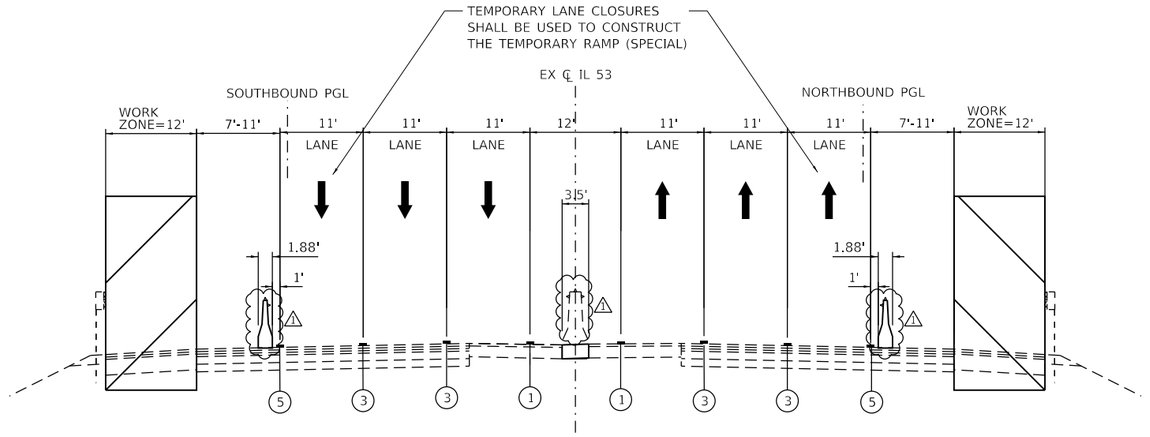
4 COMPLETE PERMANENT PAVEMENT MARKINGS UTILIZING APPLICABLE IDOT HIGHWAY STANDARDS.

(1) REVISED SHEET 10/31/2024

MODEL: Default
FILE NAME: pw:\\wsp-ud-pw.bentley.com:wsp-us-pw-1\Documents\Project 62N91-IL 53 BridgeCAD_Sheets\D162W38-alt-stgplnp-sequence-02-WSP.dgn

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 (1)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 53 SEQUENCE OF CONSTRUCTION	
	DRAWN - MM	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -			
PLOT DATE = 10/22/2024	DATE - 8/23/2024	REVISED -		SCALE: NTS	SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	181
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	



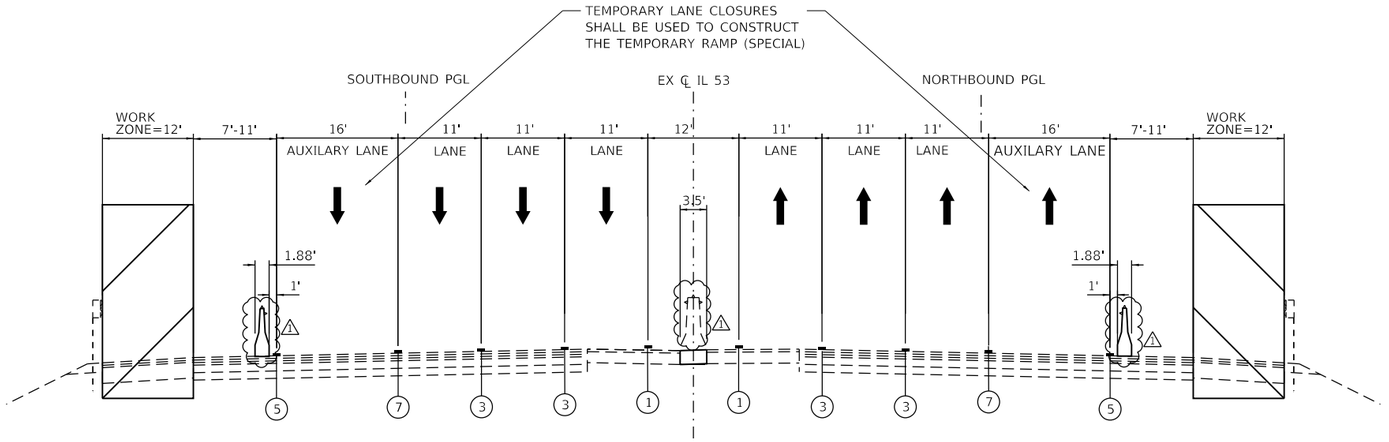
SOUTHBOUND

STA. 3195+49 TO STA. 3226+00
STA. 3230+40 TO STA. 3339+78
STA. 3343+73 TO STA. 3388+13

IL 53
PRESTAGE A

NORTHBOUND

STA. 2189+96 TO STA. 2227+40
STA. 2231+95 TO STA. 2341+24
STA. 2345+28 TO STA. 2388+17



SOUTHBOUND

STA. 3184+89 TO STA. 3195+49
STA. 3226+00 TO STA. 3230+40
STA. 3339+78 TO STA. 3343+73

IL 53
PRESTAGE A

NORTHBOUND

STA. 2185+11 TO STA. 2189+96
STA. 2227+40 TO STA. 2231+95
STA. 2341+24 TO STA. 2345+28

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 53 TRAFFIC CONTROL TYPICAL SECTION	
	DRAWN - MM	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -			
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -		SCALE: NTS / SHEET 1 OF 33 SHEETS / STA. / TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	182
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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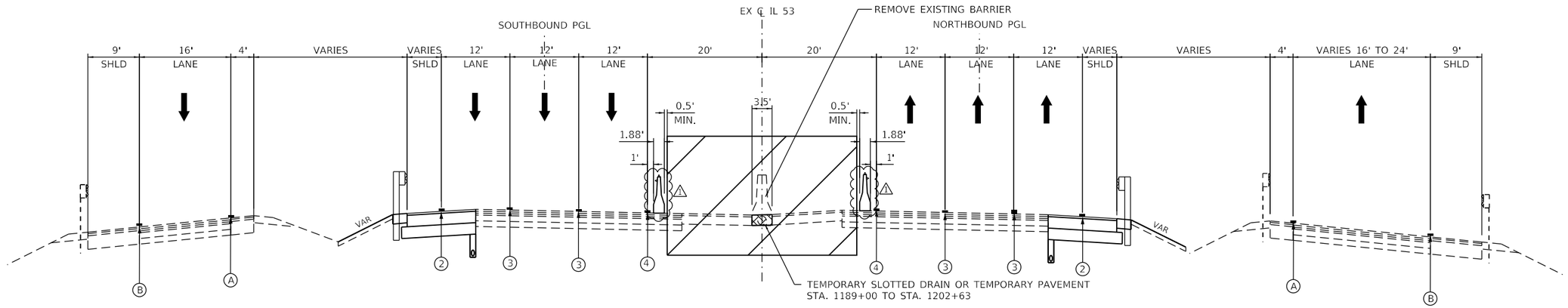


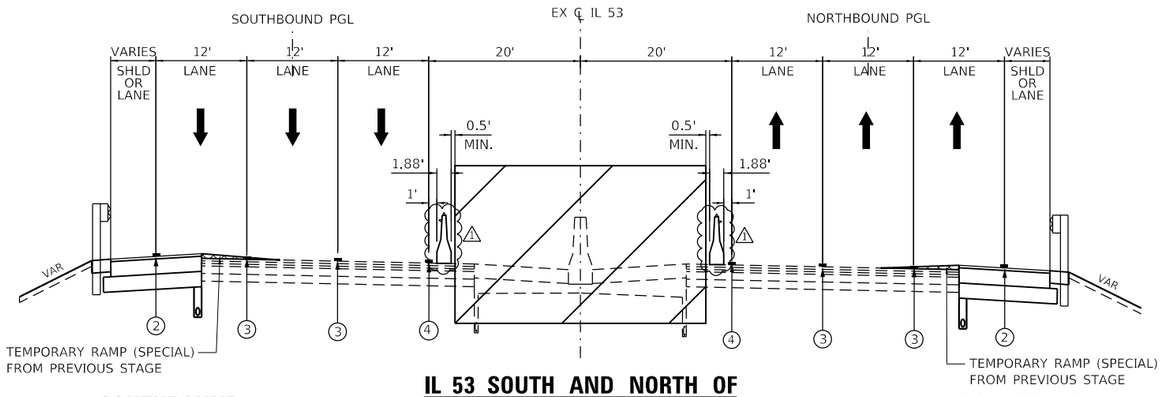
SOUTHBOUND

STA. 3187+88 TO STA. 3203+23

NORTHBOUND

STA. 2188+12 TO STA. 2203+41

IL 53 SOUTH OF KIRCHOFF ROAD BRIDGE
PRESTAGE B



SOUTHBOUND

STA. 3203+23 TO STA. 3205+24
STA. 3207+84 TO STA. 3210+20
STA. 3253+71 TO STA. 3256+00
STA. 3258+13 TO STA. 3260+71
STA. 3339+13 TO STA. 3341+35
STA. 3343+96 TO STA. 3346+09
STA. 3362+54 TO STA. 3364+62
STA. 3365+74 TO STA. 3368+30

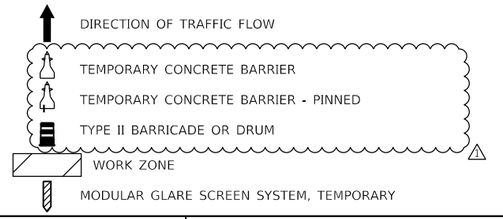
IL 53 SOUTH AND NORTH OF KIRCHOFF ROAD BRIDGE, INDUSTRIAL AVENUE BRIDGE, PALATINE ROAD BRIDGE, AND ANDERSON DRIVE BRIDGE
PRESTAGE B

NORTHBOUND

STA. 2203+41 TO STA. 2205+18
⚠1 STA. 2207+78 TO STA. 2210+36
STA. 2253+32 TO STA. 2255+76
STA. 2257+88 TO STA. 2260+22
STA. 2338+88 TO STA. 2341+24
STA. 2343+90 TO STA. 2346+03
STA. 2362+70 TO STA. 2364+70
STA. 2366+86 TO STA. 2368+46

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED



NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

⚠1 REVISED SHEET 10/31/2024

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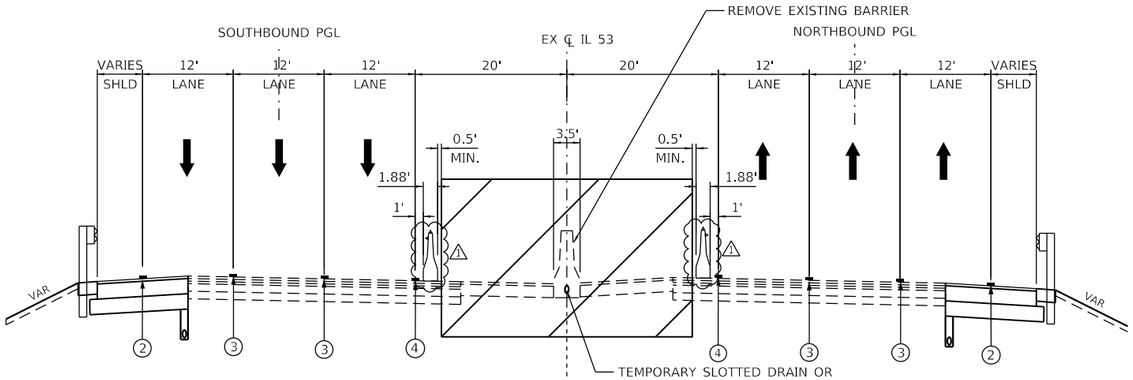
USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 ⚠1	
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 2 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	183
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	



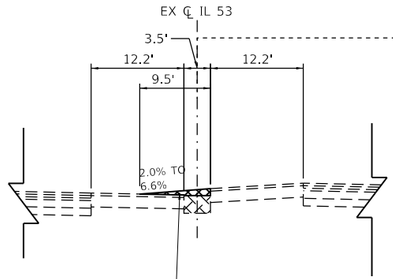
SOUTHBOUND

STA. 3368+30 TO STA. 3382+95

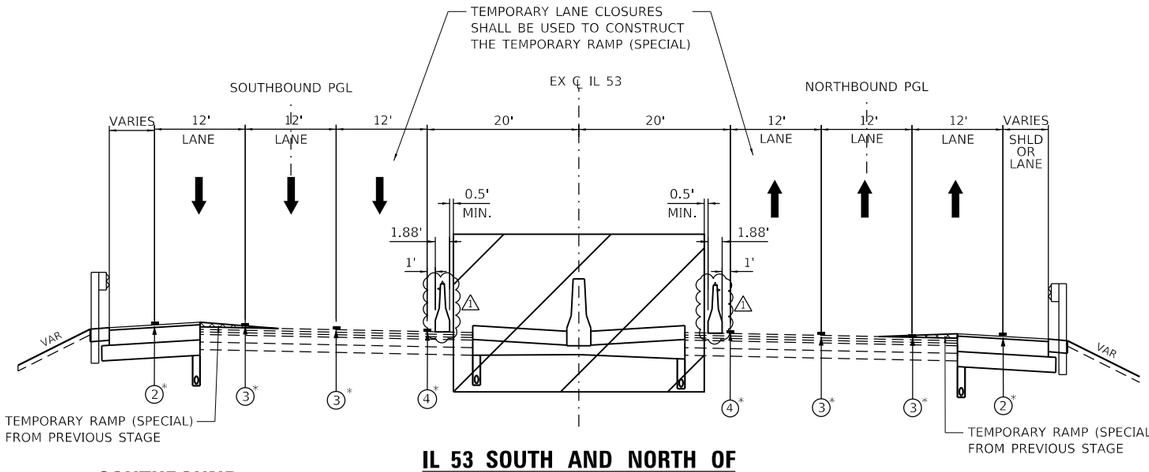
NORTHBOUND

STA. 2368+46 TO STA. 2383+05

IL 53 NORTH OF ANDERSON DRIVE BRIDGE
PRESTAGE B



TEMPORARY RAMP (SPECIAL)
STA. 1378+25 TO STA. 1381+00



SOUTHBOUND

STA. 3203+23 TO STA. 3205+24
STA. 3207+84 TO STA. 3210+20
STA. 3253+71 TO STA. 3256+00
STA. 3258+13 TO STA. 3260+71
STA. 3339+13 TO STA. 3341+35
STA. 3343+96 TO STA. 3346+09
STA. 3362+54 TO STA. 3364+62
STA. 3365+74 TO STA. 3368+30

IL 53 SOUTH AND NORTH OF KIRCHOFF ROAD BRIDGE, INDUSTRIAL AVENUE BRIDGE, PALATINE ROAD BRIDGE, AND ANDERSON DRIVE BRIDGE
PRESTAGE C

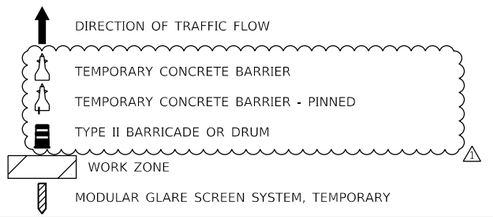
NORTHBOUND

STA. 2203+41 TO STA. 2205+18
⚠1 STA. 2207+78 TO STA. 2210+36
STA. 2253+32 TO STA. 2255+76
STA. 2257+88 TO STA. 2260+22
STA. 2338+88 TO STA. 2341+24
STA. 2343+90 TO STA. 2346+03
STA. 2362+70 TO STA. 2364+70
STA. 2366+86 TO STA. 2368+46

* MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PRESTAGE B

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED



NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.) ⚠1

⚠1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 ⚠1
	DRAWN - MM	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 3 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	184
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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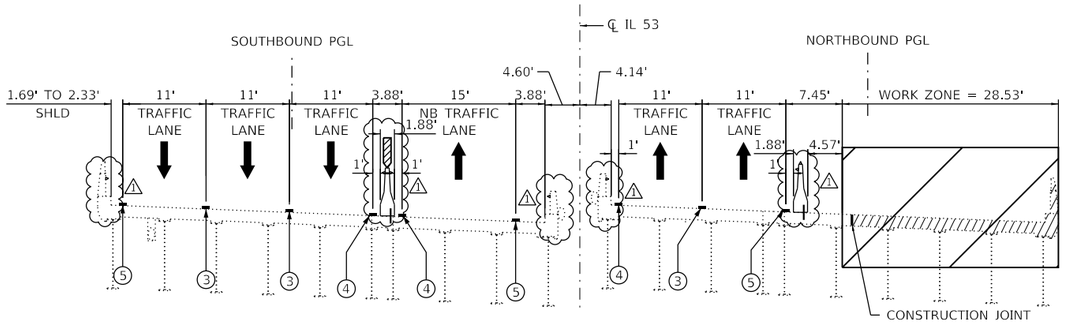
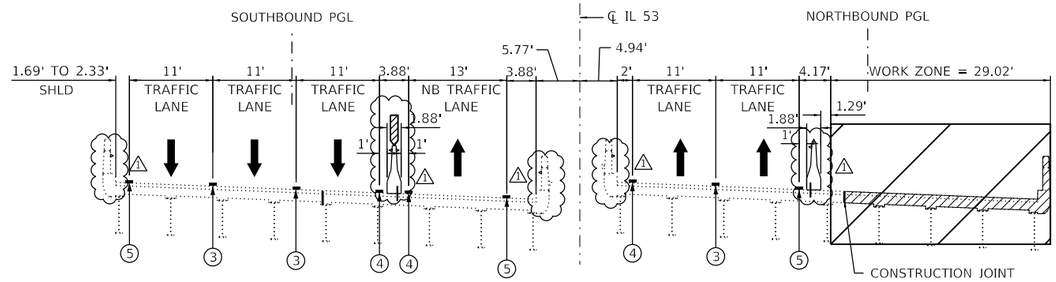


SOUTHBOUND **NORTHBOUND**

IL 53 OVER KIRCHOFF ROAD
STAGE 1



SOUTHBOUND **NORTHBOUND**

IL 53 OVER INDUSTRIAL AVENUE
STAGE 1

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1	
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 4 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	185
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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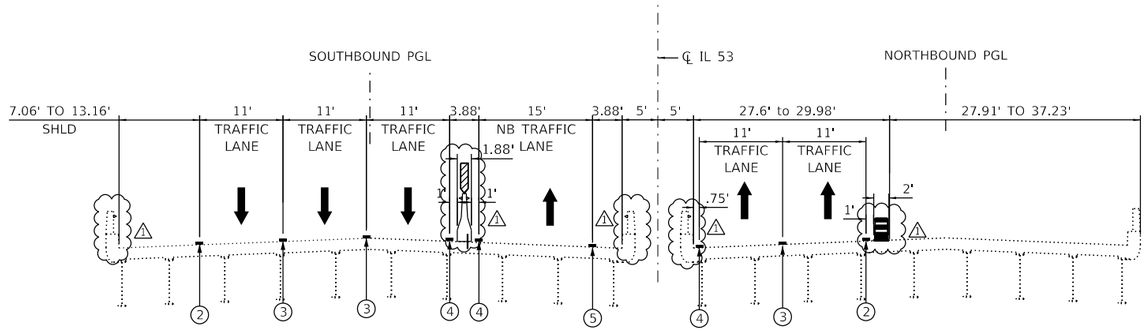
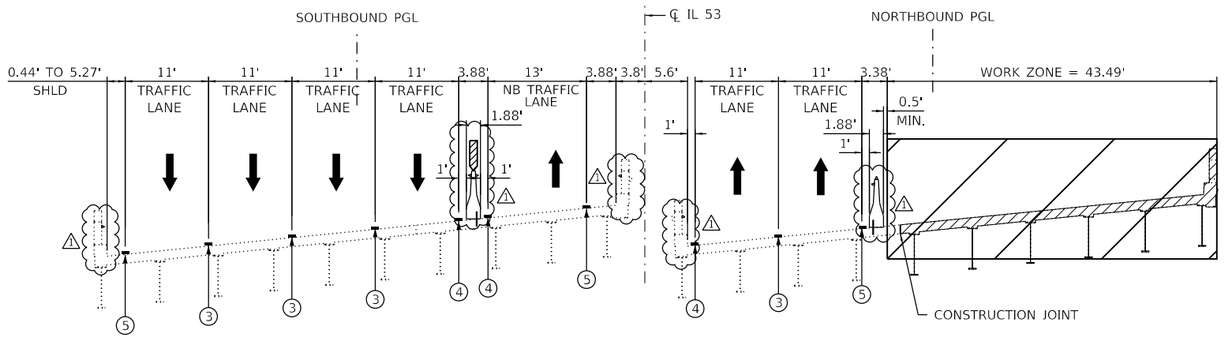


SOUTHBOUND **NORTHBOUND**

IL 53 OVER US 14 (NORTHWEST HIGHWAY), UNION PACIFIC RAILOAD, & COMMUTER DRIVE
STAGE 1



SOUTHBOUND **NORTHBOUND**

IL 53 OVER PALATINE ROAD
STAGE 1

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1
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PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 5 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	186
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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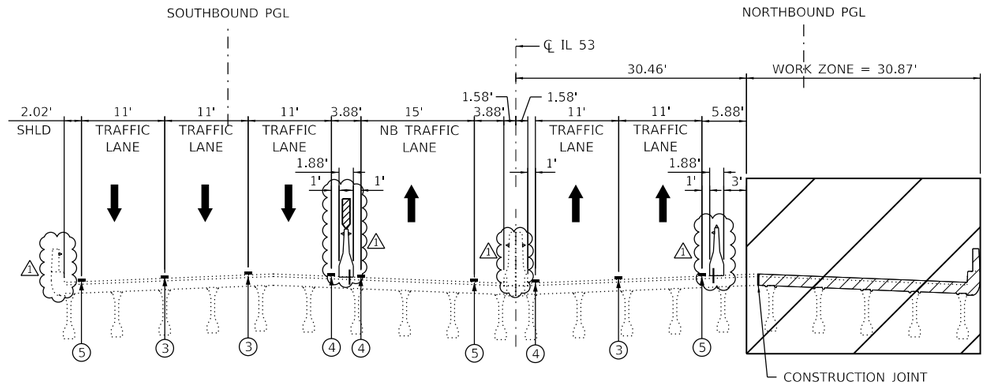

SOUTHBOUND **NORTHBOUND**

IL 53 OVER ANDERSON DRIVE
STAGE 1

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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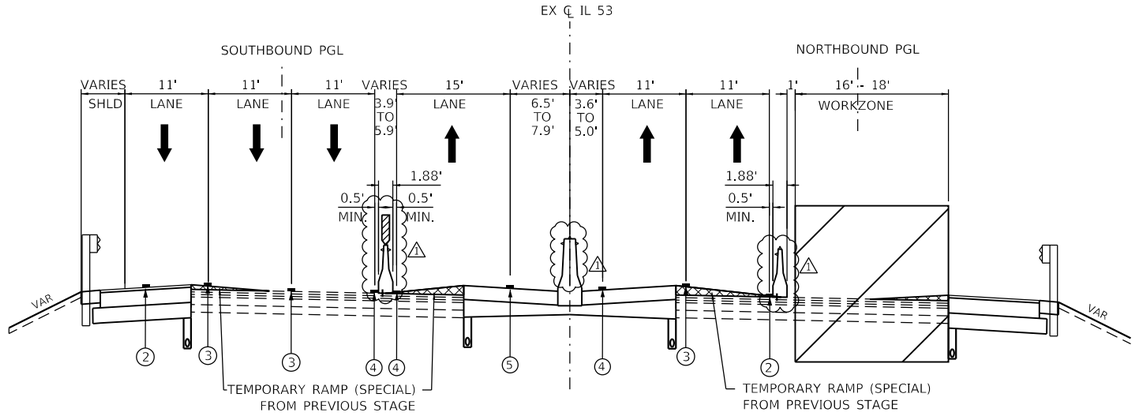
	DRAWN - MM	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -			
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -		SCALE: NTS SHEET 6 OF 33 SHEETS STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	187
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



SOUTHBOUND

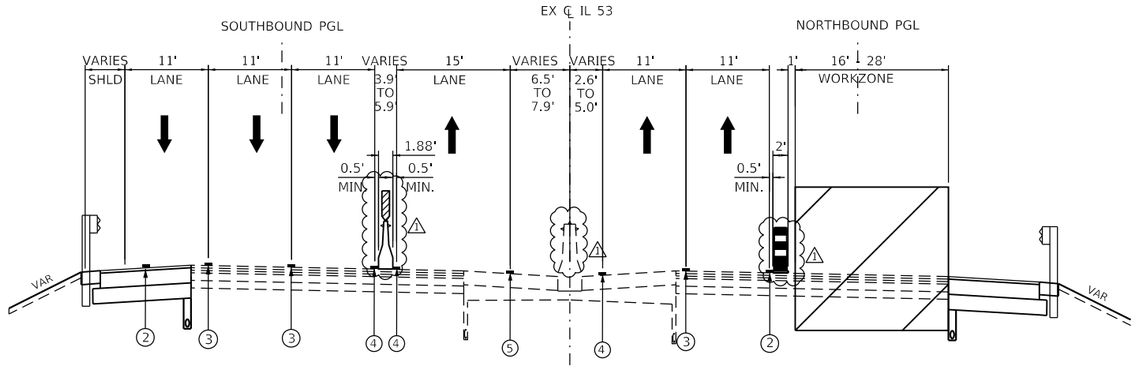
STA. 3203+23 TO STA. 3205+24
STA. 3207+84 TO STA. 3210+20
STA. 3253+71 TO STA. 3256+00
STA. 3258+13 TO STA. 3260+71
STA. 3339+13 TO STA. 3341+35
STA. 3343+96 TO STA. 3346+09
STA. 3362+54 TO STA. 3364+62
STA. 3365+74 TO STA. 3368+30

IL 53 SOUTH AND NORTH OF KIRCHOFF ROAD BRIDGE, INDUSTRIAL AVENUE BRIDGE, PALATINE ROAD BRIDGE, AND ANDERSON DRIVE BRIDGE

STAGE 1

NORTHBOUND

STA. 2203+41 TO STA. 2205+18
STA. 2207+78 TO STA. 2210+36
STA. 2253+32 TO STA. 2255+76
STA. 2257+88 TO STA. 2260+22
STA. 2339+25 TO STA. 2341+24
STA. 2343+90 TO STA. 2346+03
STA. 2362+70 TO STA. 2364+70
STA. 2366+86 TO STA. 2368+46



SOUTHBOUND

STA. 3210+20 TO STA. 3253+71
STA. 3260+17 TO STA. 3339+13
STA. 3346+09 TO STA. 3362+54

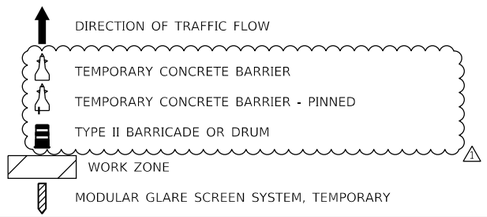
IL 53 STAGE 1

NORTHBOUND

STA. 2210+36 TO STA. 2253+75
STA. 2260+22 TO STA. 2277+80
STA. 2291+00 TO STA. 2339+25
STA. 2346+02 TO STA. 2362+70

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED



NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1	
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

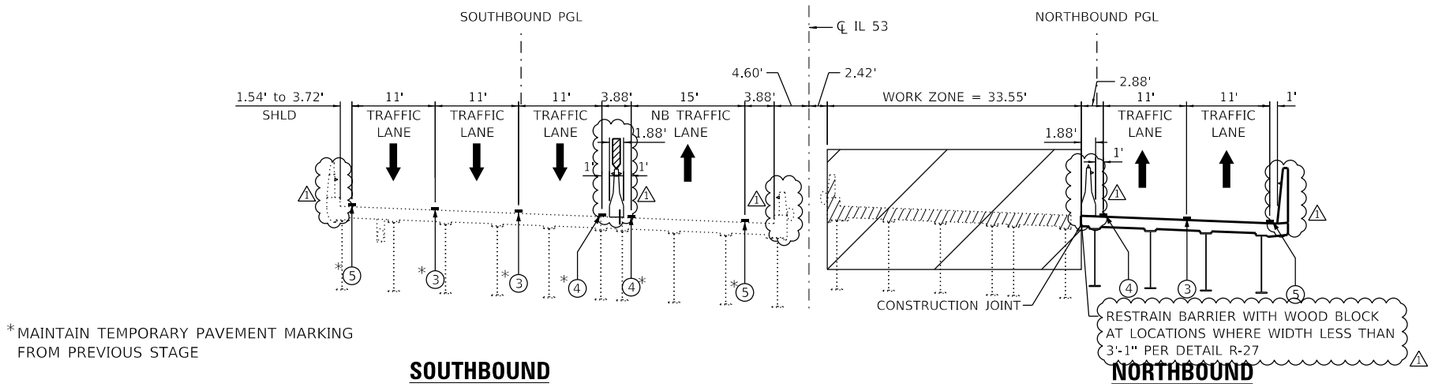
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 7 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	188
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

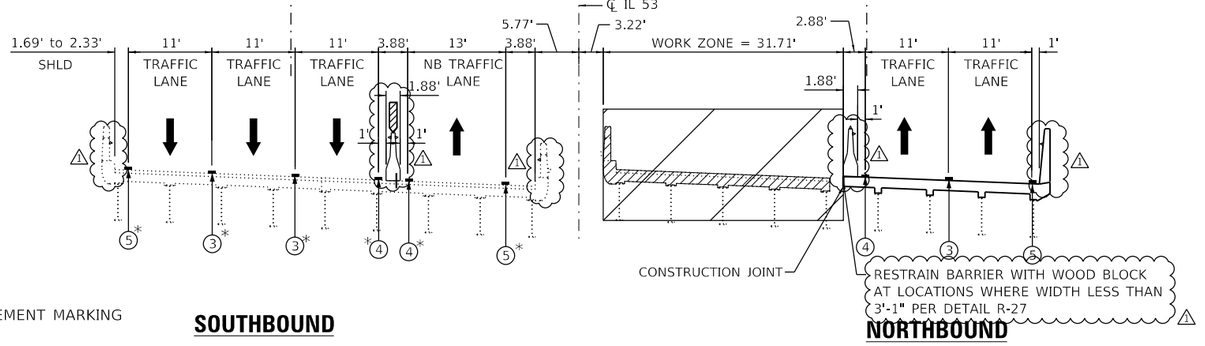
MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-ILDocuments\Project 62N91-IL 53 Bridge\CAD\ Sheets\D162W38-cht-staging-typical-07-IL53-WSP.dgn



*MAINTAIN TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE

SOUTHBOUND **NORTHBOUND**

IL 53 OVER KIRCHOFF ROAD
STAGE 2



*MAINTAIN TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE

SOUTHBOUND **NORTHBOUND**

IL 53 OVER INDUSTRIAL AVENUE
STAGE 2

1 REVISED SHEET 10/31/2024

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1	
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 8 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	189
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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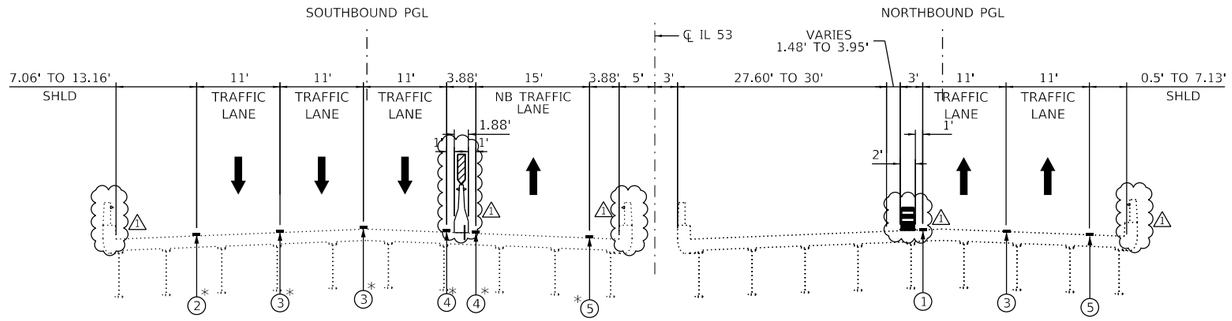
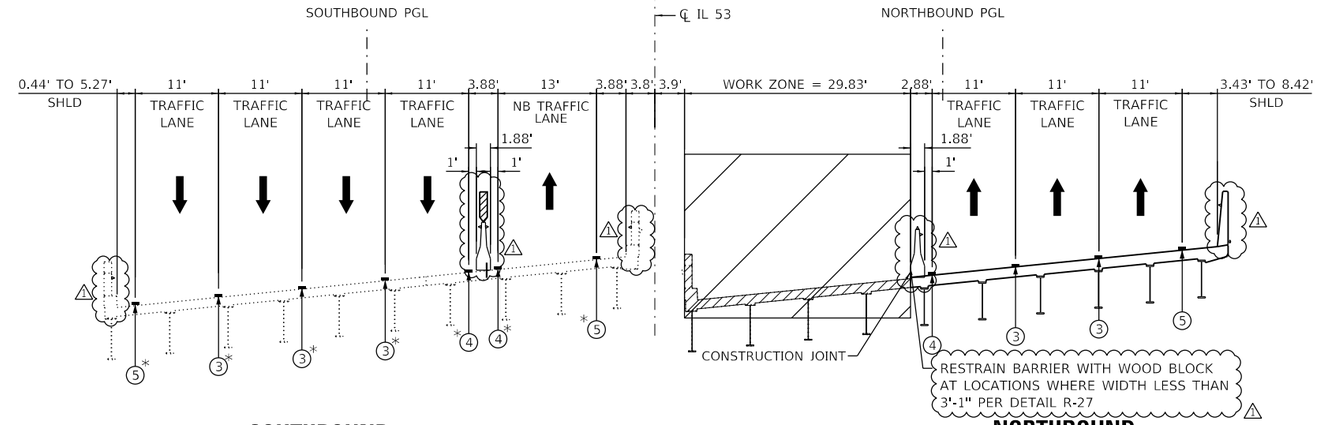


*MAINTAIN TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE

SOUTHBOUND **NORTHBOUND**

IL 53 OVER US 14 (NORTHWEST HIGHWAY), UNION PACIFIC RAILROAD, & COMMUTER DRIVE
STAGE 2



*MAINTAIN TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE

SOUTHBOUND **NORTHBOUND**

IL 53 OVER PALATINE ROAD
STAGE 2

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER
- TEMPORARY CONCRETE BARRIER - PINNED
- TYPE II BARRICADE OR DRUM
- WORK ZONE
- MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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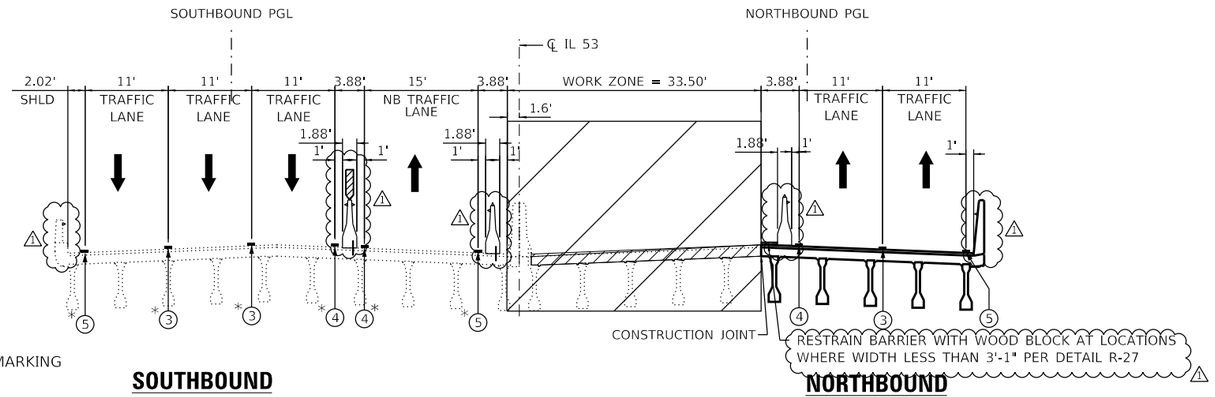
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 9 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	190
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	



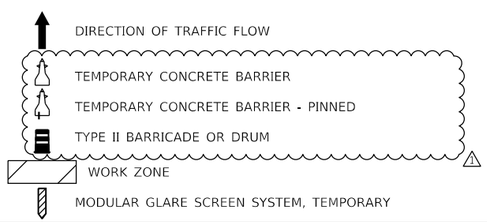
*MAINTAIN TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE

SOUTHBOUND **NORTHBOUND**

IL 53 OVER ANDERSON DRIVE
STAGE 2

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED



NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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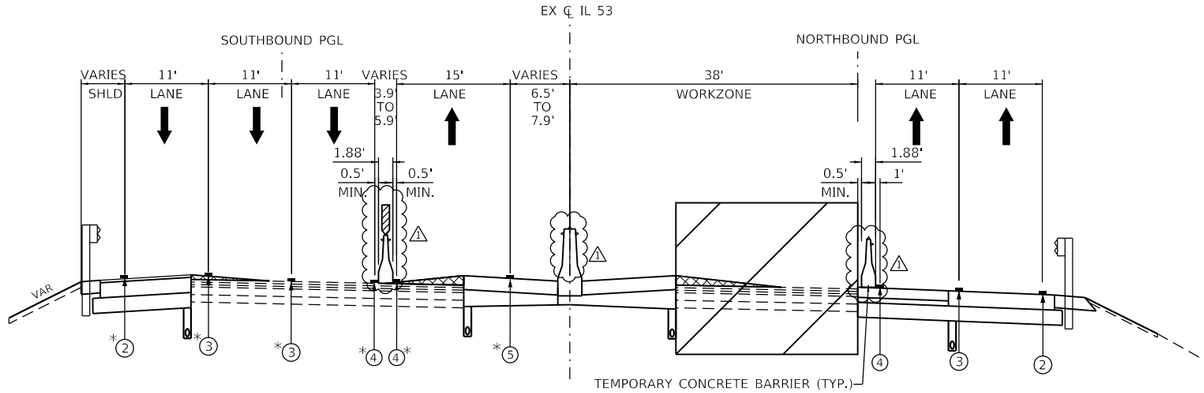
	DRAWN - MM	REVISED -		
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -		
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -		SCALE: NTS | SHEET 10 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	191
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	



* MAINTAIN TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE

SOUTHBOUND

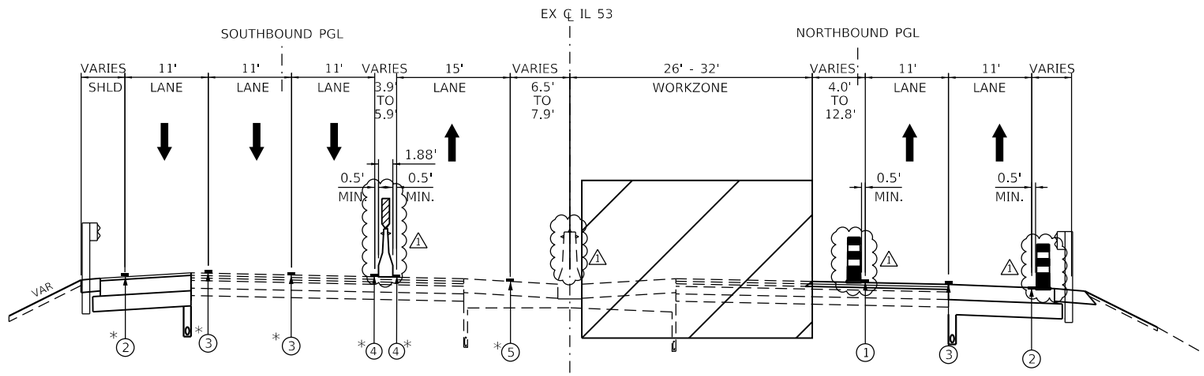
STA. 3203+23 TO STA. 3205+24
STA. 3207+84 TO STA. 3210+20
STA. 3253+71 TO STA. 3256+00
STA. 3258+13 TO STA. 3260+71
STA. 3339+13 TO STA. 3341+35
STA. 3343+96 TO STA. 3346+09
STA. 3362+54 TO STA. 3364+62
STA. 3365+74 TO STA. 3368+30

IL 53 SOUTH AND NORTH OF KIRCHOFF ROAD BRIDGE, INDUSTRIAL AVENUE BRIDGE, PALATINE ROAD BRIDGE, AND ANDERSON DRIVE BRIDGE

STAGE 2

NORTHBOUND

STA. 2203+41 TO STA. 2205+18
STA. 2207+78 TO STA. 2210+36
STA. 2253+32 TO STA. 2255+76
STA. 2257+88 TO STA. 2260+22
STA. 2339+25 TO STA. 2341+24
STA. 2343+90 TO STA. 2346+03
STA. 2362+70 TO STA. 2364+70
STA. 2366+86 TO STA. 2368+46



* MAINTAIN TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE

SOUTHBOUND

STA. 3210+20 TO STA. 3253+71
STA. 3260+17 TO STA. 3339+13
STA. 3346+09 TO STA. 3362+54

IL 53

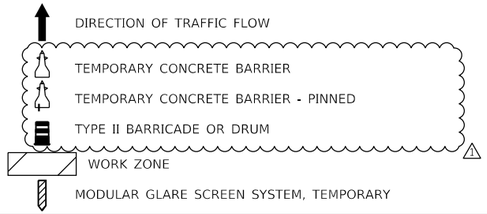
STAGE 2

NORTHBOUND

STA. 2210+36 TO STA. 2253+75
STA. 2260+22 TO STA. 2277+80
STA. 2291+00 TO STA. 2339+25
STA. 2346+02 TO STA. 2362+70

LEGEND

(A) EXISTING PAVEMENT MARKING 4" YELLOW
(B) EXISTING PAVEMENT MARKING 4" WHITE
(C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
(1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
(2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
(3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
(4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
(5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
(6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
(7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
(8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
(9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED



NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1	
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 – ROADWAY
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 11 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	192
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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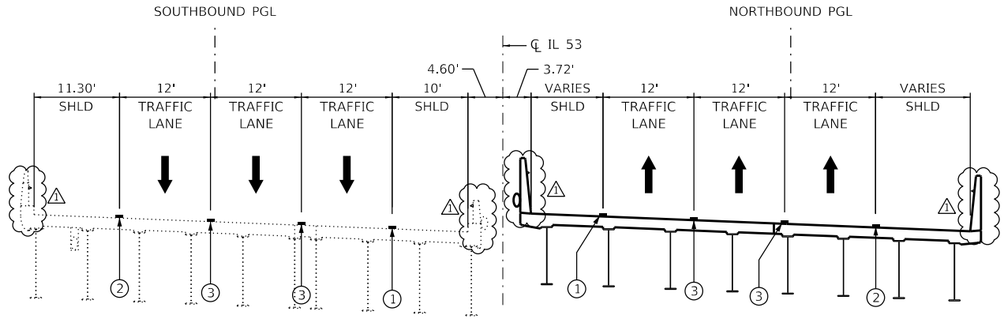
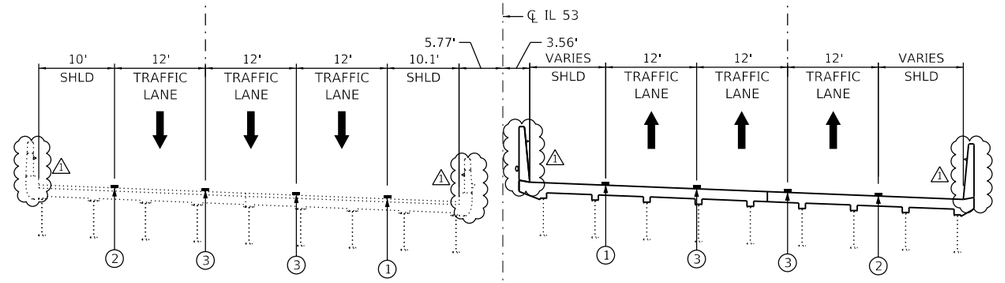


SOUTHBOUND **NORTHBOUND**

IL 53 OVER KIRCHOFF ROAD
WINTER SHUTDOWN

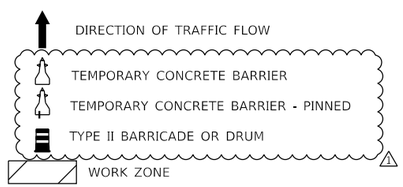


SOUTHBOUND **NORTHBOUND**

IL 53 OVER INDUSTRIAL AVENUE
WINTER SHUTDOWN

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE SKIP-DASH
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - MODIFIED URETHANE WHITE, 10' SKIP - 30' DASH
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - MODIFIED URETHANE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - MODIFIED URETHANE WHITE, DOTTED



NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 12 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	193
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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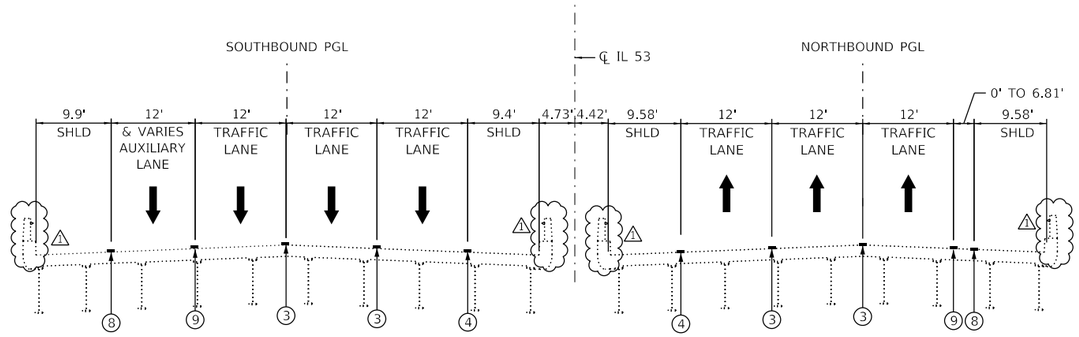
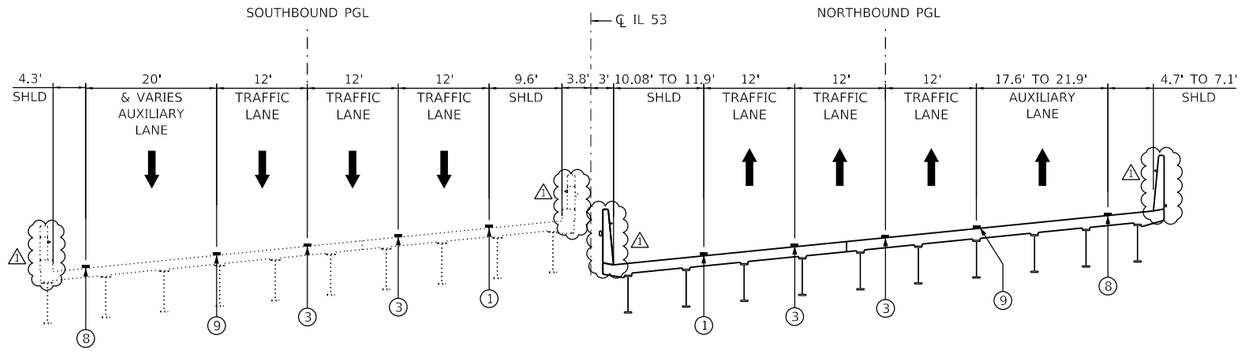


SOUTHBOUND **NORTHBOUND**

IL 53 OVER US 14 (NORTHWEST HIGHWAY), UNION PACIFIC RAILOAD, & COMMUTER DRIVE
WINTER SHUTDOWN

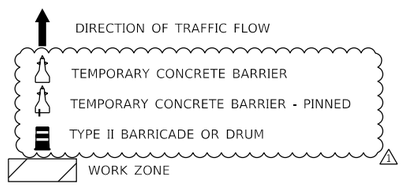


SOUTHBOUND **NORTHBOUND**

IL 53 OVER PALATINE ROAD
WINTER SHUTDOWN

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE SKIP-DASH
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - MODIFIED URETHANE WHITE, 10' SKIP - 30' DASH
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - MODIFIED URETHANE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - MODIFIED URETHANE WHITE, DOTTED



NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1	
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

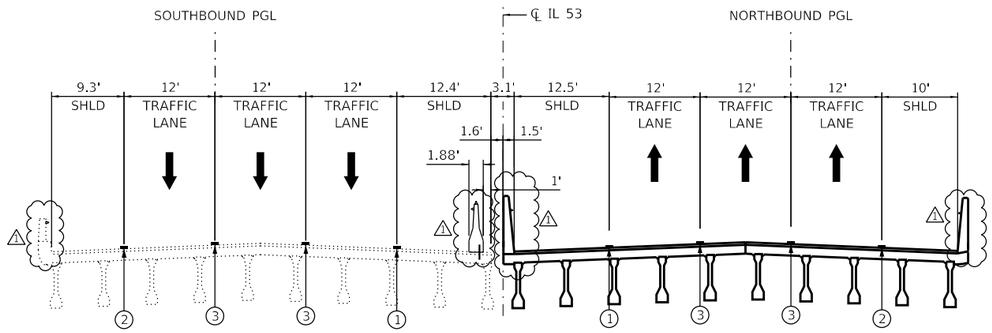
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 13 OF 33 SHEETS | STA. | TO STA.

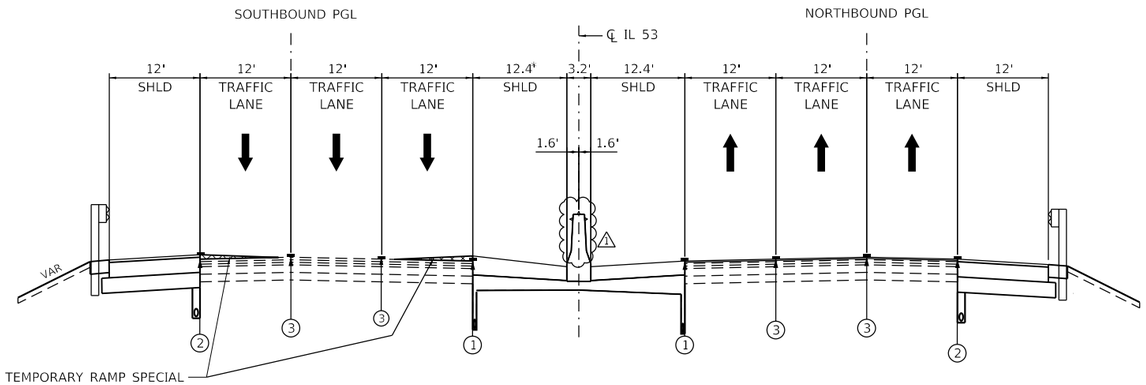
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	194
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-8\Documents\Project 62N91-IL 53 Bridge\CAD Sheets\ID162W38-tmt-staging-typdet-IL53-WSP.dgn



SOUTHBOUND **NORTHBOUND**

IL 53 AT ANDERSON DRIVE
WINTER SHUTDOWN

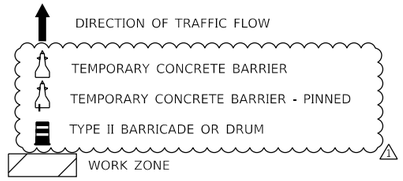


* TEMPORARY RAMP SPECIAL FROM PREVIOUS STAGE

SOUTHBOUND	IL 53 WINTER SHUTDOWN	NORTHBOUND
* STA. 3202+50 TO STA. 3205+58	STA. 3184+89 TO STA. 3205+58	⚠1 ~~STA. 2186+11 TO STA. 2205+18~~
* STA. 3207+95 TO STA. 3210+21	STA. 3208+17 TO STA. 3255+75	⚠1 ~~STA. 2207+78 TO STA. 2255+76~~
* STA. 3253+71 TO STA. 3255+75	STA. 3257+87 TO STA. 3280+21	STA. 2257+88 TO STA. 2279+84
* STA. 3257+87 TO STA. 3260+17	STA. 3285+91 TO STA. 3341+20	STA. 2285+59 TO STA. 2341+24
* STA. 3339+13 TO STA. 3341+31	STA. 3343+94 TO STA. 3364+68	STA. 2343+89 TO STA. 2364+73
* STA. 3343+93 TO STA. 3346+09	STA. 3365+80 TO STA. 3382+95	STA. 2365+85 TO STA. 2383+05
* STA. 3362+54 TO STA. 3364+68		
* STA. 3365+80 TO STA. 3368+30		

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE SKIP-DASH
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - MODIFIED URETHANE WHITE, 10' SKIP - 30' DASH
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - MODIFIED URETHANE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - MODIFIED URETHANE WHITE, DOTTED



NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

⚠1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 ⚠1	
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 14 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	195
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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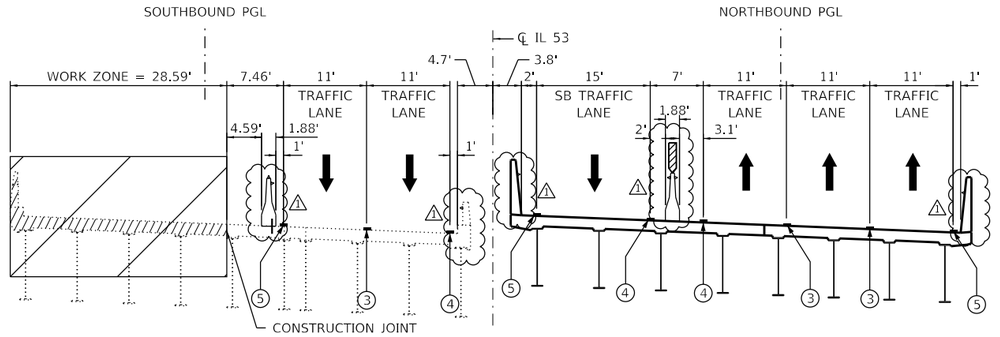
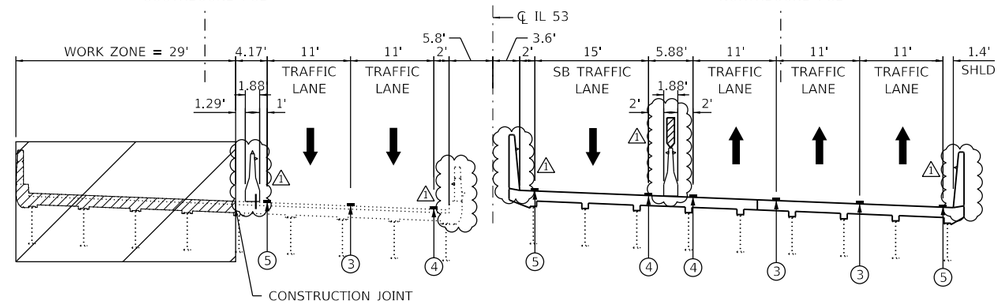


SOUTHBOUND **NORTHBOUND**

IL 53 OVER KIRCHOFF ROAD
STAGE 3

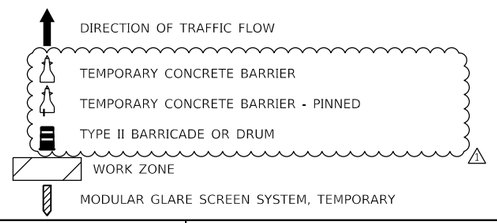


SOUTHBOUND **NORTHBOUND**

IL 53 OVER INDUSTRIAL AVENUE
STAGE 3

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED



NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1
	DRAWN - MM	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 15 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	196
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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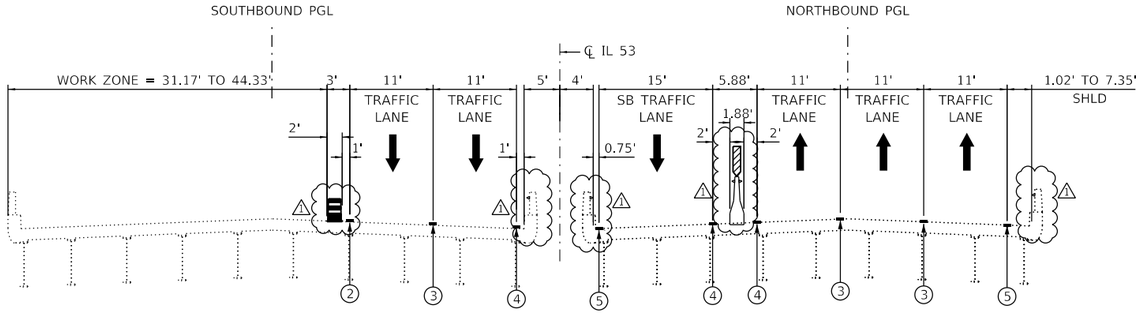
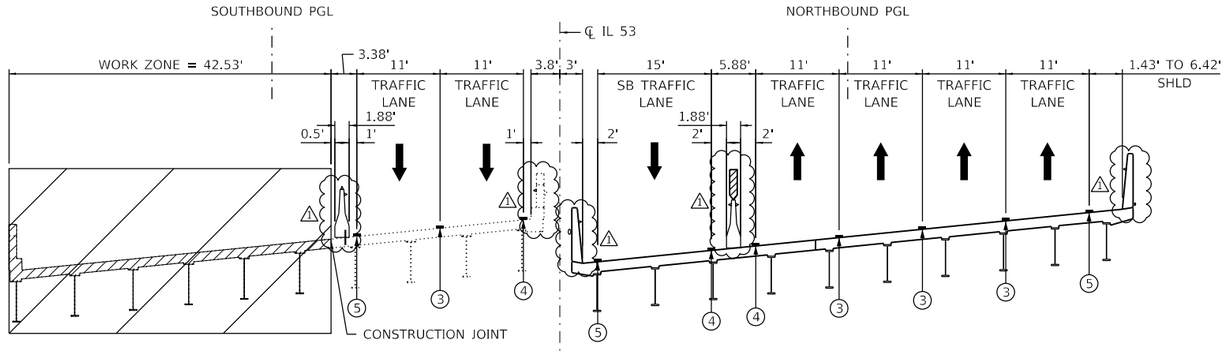


SOUTHBOUND **NORTHBOUND**

IL 53 OVER US 14 (NORTHWEST HIGHWAY), UNION PACIFIC RAILOAD, & COMMUTER DRIVE
STAGE 3



SOUTHBOUND **NORTHBOUND**

IL 53 OVER PALATINE ROAD
STAGE 3

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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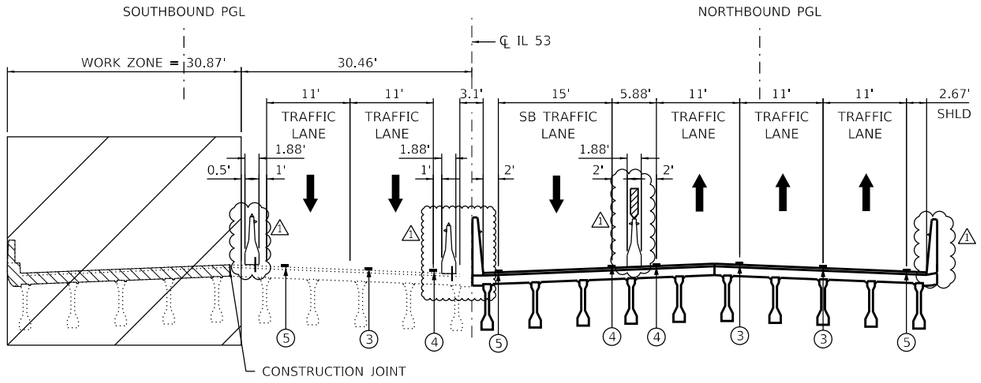
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 16 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	197
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	



SOUTHBOUND **NORTHBOUND**

IL 53 OVER ANDERSON DRIVE
STAGE 3

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1	
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PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 17 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	198
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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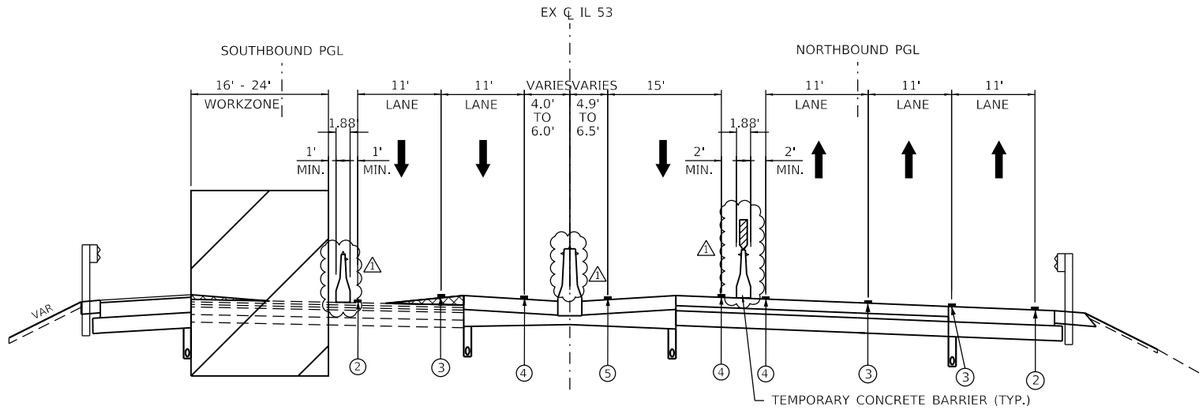


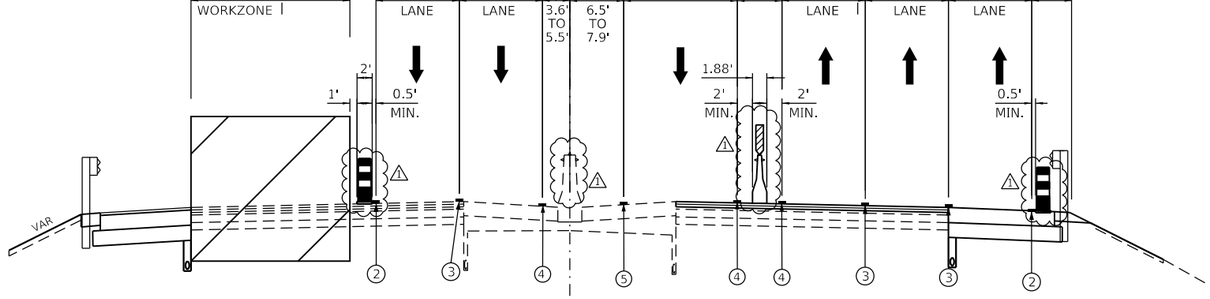
SOUTHBOUND

STA. 3203+23 TO STA. 3205+24
STA. 3207+84 TO STA. 3210+20
STA. 3253+71 TO STA. 3256+00
STA. 3258+13 TO STA. 3260+71
STA. 3339+13 TO STA. 3341+35
STA. 3343+96 TO STA. 3346+09
STA. 3362+54 TO STA. 3364+62
STA. 3365+74 TO STA. 3368+30

IL 53 SOUTH AND NORTH OF KIRCHOFF ROAD BRIDGE, INDUSTRIAL AVENUE BRIDGE, PALATINE ROAD BRIDGE, AND ANDERSON DRIVE BRIDGE STAGE 3

NORTHBOUND

STA. 2203+41 TO STA. 2205+18
STA. 2207+78 TO STA. 2210+36
STA. 2253+32 TO STA. 2255+76
STA. 2257+88 TO STA. 2260+22
STA. 2338+88 TO STA. 2341+24
STA. 2343+90 TO STA. 2346+03
STA. 2362+70 TO STA. 2364+70
STA. 2366+86 TO STA. 2368+46



SOUTHBOUND

STA. 3210+20 TO STA. 3253+71
STA. 3260+17 TO STA. 3278+18
STA. 3290+30 TO STA. 3339+13
STA. 3346+09 TO STA. 3362+54

IL 53 STAGE 3

NORTHBOUND

STA. 2210+36 TO STA. 2253+75
STA. 2260+22 TO STA. 2338+88
STA. 2346+02 TO STA. 2362+70

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024	
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 – ROADWAY
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 18 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	199
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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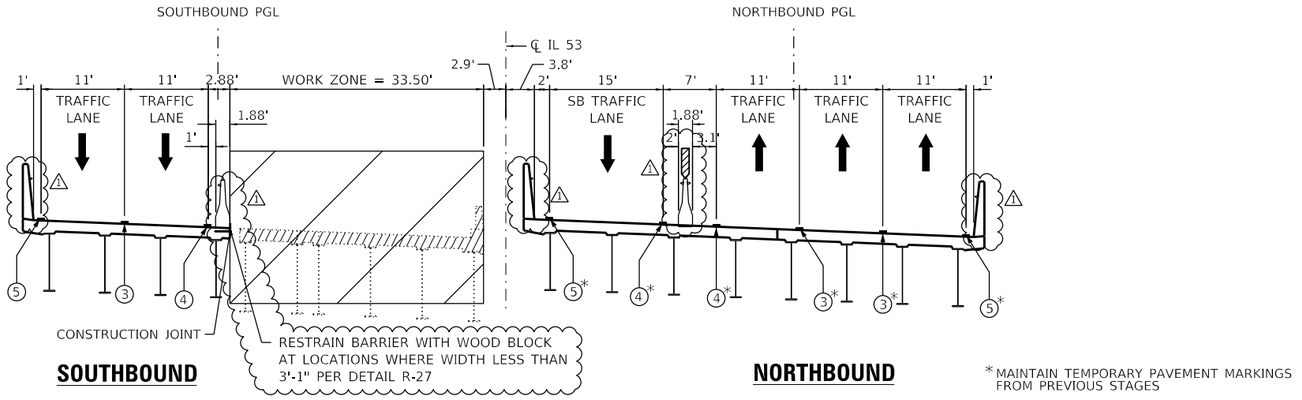
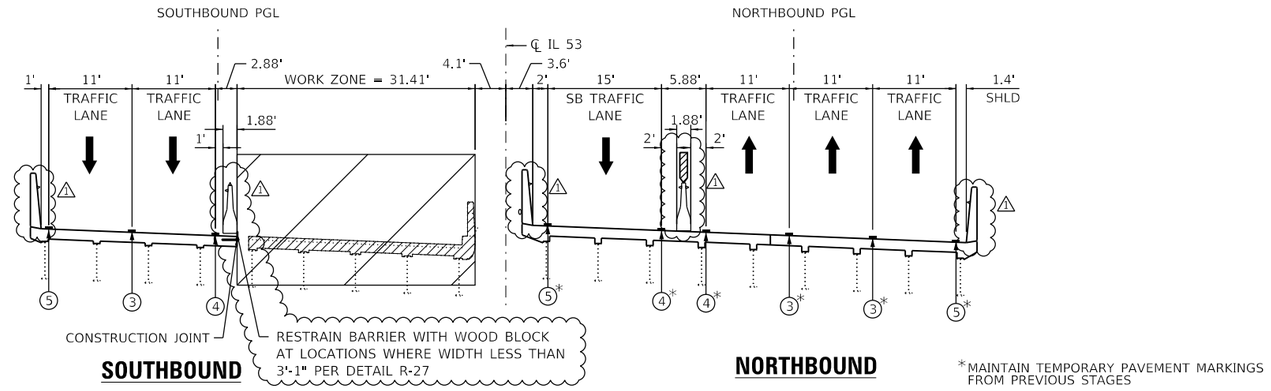


* MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PREVIOUS STAGES

IL 53 OVER KIRCHOFF ROAD
STAGE 4



* MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PREVIOUS STAGES

IL 53 OVER INDUSTRIAL AVENUE
STAGE 4

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1
	DRAWN - MM	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 19 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	200
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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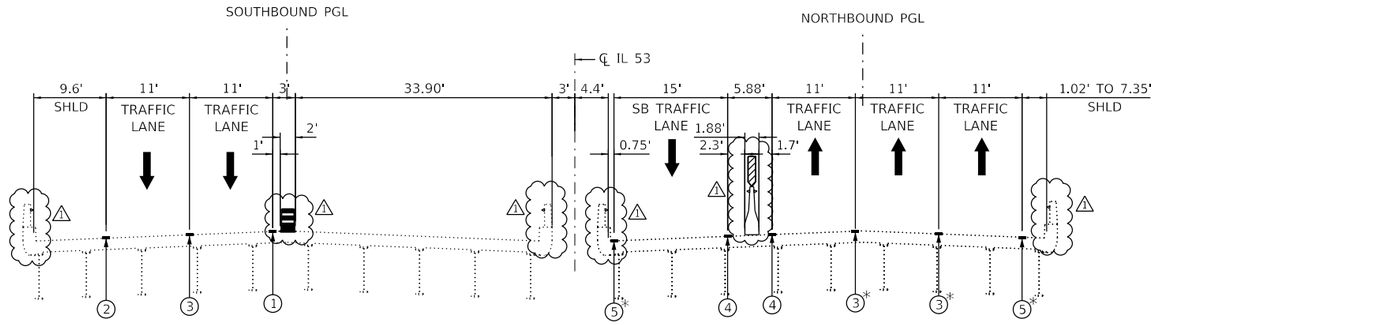
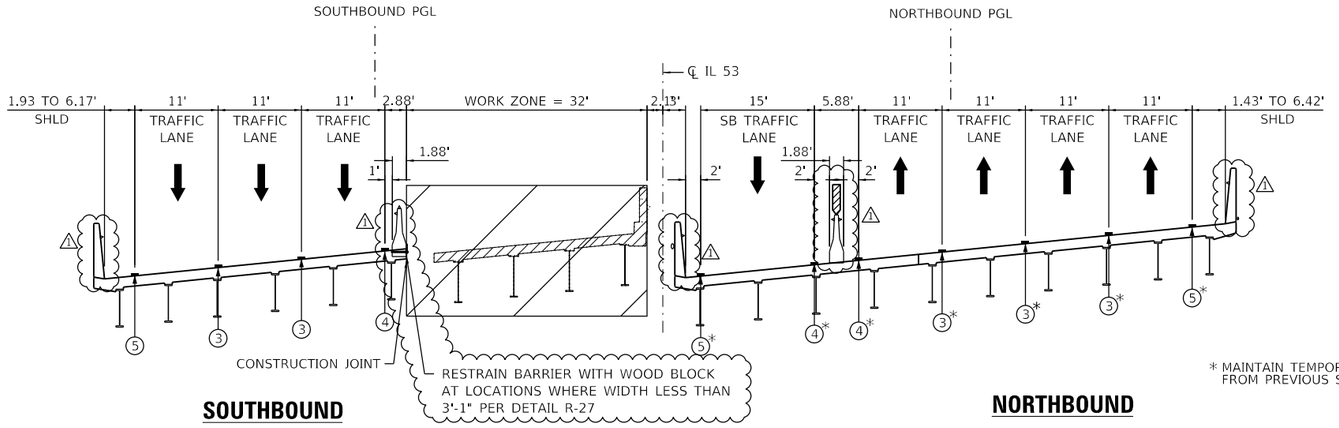


SOUTHBOUND **NORTHBOUND**

IL 53 OVER US 14 (NORTHWEST HIGHWAY), UNION PACIFIC RAILROAD, & COMMUTER DRIVE
STAGE 4



SOUTHBOUND **NORTHBOUND**

IL 53 OVER PALATINE ROAD
STAGE 4

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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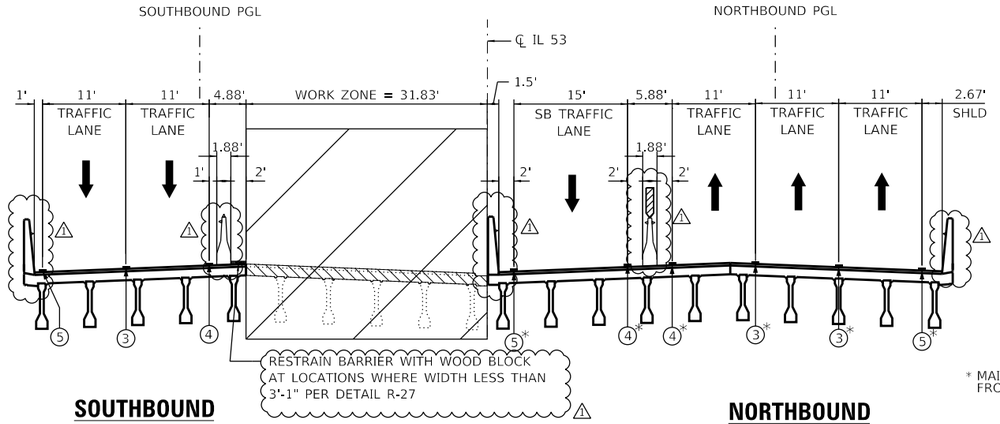
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 20 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	201
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



* MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PREVIOUS STAGES

IL 53 OVER ANDERSON DRIVE
STAGE 4

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
- (5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
- (6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
- (7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
- (8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
- (9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1
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PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 21 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	202
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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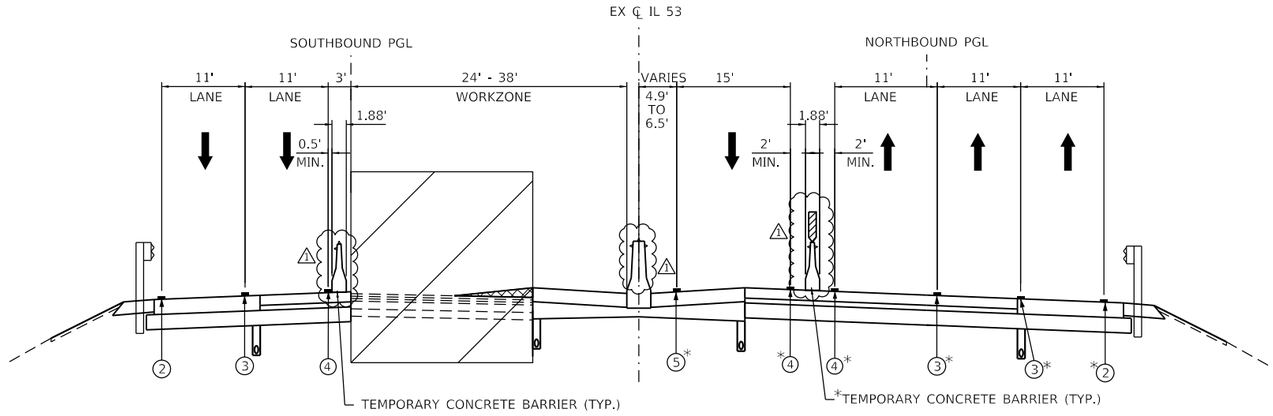


* MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PREVIOUS STAGES

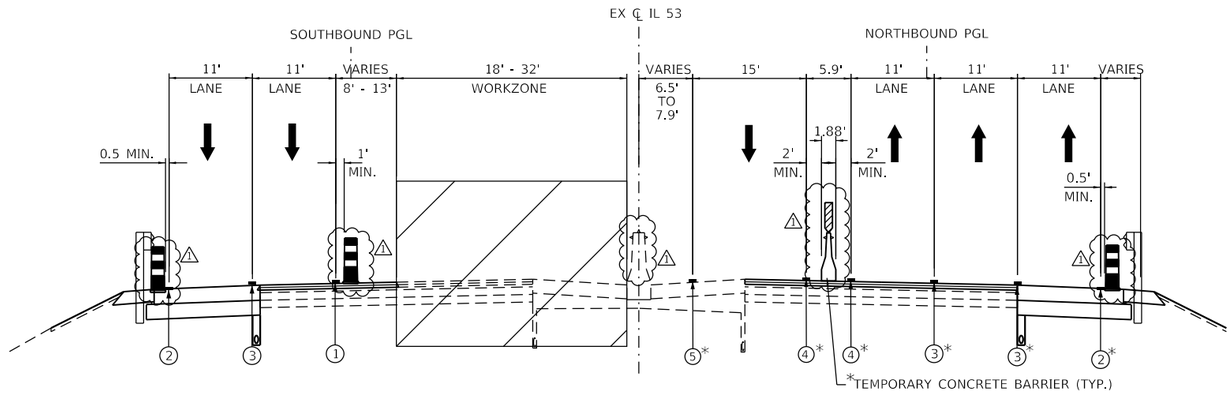
SOUTHBOUND

STA. 3203+23 TO STA. 3205+24
STA. 3207+84 TO STA. 3210+20
STA. 3253+71 TO STA. 3256+00
STA. 3258+13 TO STA. 3260+71
STA. 3339+13 TO STA. 3341+35
STA. 3343+96 TO STA. 3346+09
STA. 3362+54 TO STA. 3364+62
STA. 3365+74 TO STA. 3368+30

IL 53 SOUTH AND NORTH OF KIRCHOFF ROAD BRIDGE, INDUSTRIAL AVENUE BRIDGE, PALATINE ROAD BRIDGE, AND ANDERSON DRIVE BRIDGE STAGE 4

NORTHBOUND

STA. 2203+41 TO STA. 2205+18
STA. 2207+78 TO STA. 2210+36
STA. 2253+32 TO STA. 2255+76
STA. 2257+88 TO STA. 2260+22
STA. 2338+88 TO STA. 2341+24
STA. 2343+90 TO STA. 2346+03
STA. 2362+70 TO STA. 2364+70
STA. 2366+86 TO STA. 2368+46



SOUTHBOUND

STA. 3210+20 TO STA. 3253+71
STA. 3260+17 TO STA. 3278+18
STA. 3290+30 TO STA. 3339+13
STA. 3346+09 TO STA. 3362+54

IL 53 STAGE 4

NORTHBOUND

STA. 2210+36 TO STA. 2253+75
STA. 2260+22 TO STA. 2338+88
STA. 2346+02 TO STA. 2362+70

* MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PREVIOUS STAGES

LEGEND

(A) EXISTING PAVEMENT MARKING 4" YELLOW
(B) EXISTING PAVEMENT MARKING 4" WHITE
(C) EXISTING PAVEMENT MARKING 5" WHITE DASH-SKIP
(1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
(2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
(3) TEMPORARY PAVEMENT MARKING - LINE 5" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
(4) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID YELLOW
(5) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SOLID WHITE
(6) PERMANENT PAVEMENT MARKINGS. SEE PAVEMENT MARKING PLAN
(7) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, DOTTED
(8) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE
(9) TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE WHITE, DOTTED

DIRECTION OF TRAFFIC FLOW
TEMPORARY CONCRETE BARRIER
TEMPORARY CONCRETE BARRIER - PINNED
TYPE II BARRICADE OR DRUM
WORK ZONE
MODULAR GLARE SCREEN SYSTEM, TEMPORARY

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 22 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	203
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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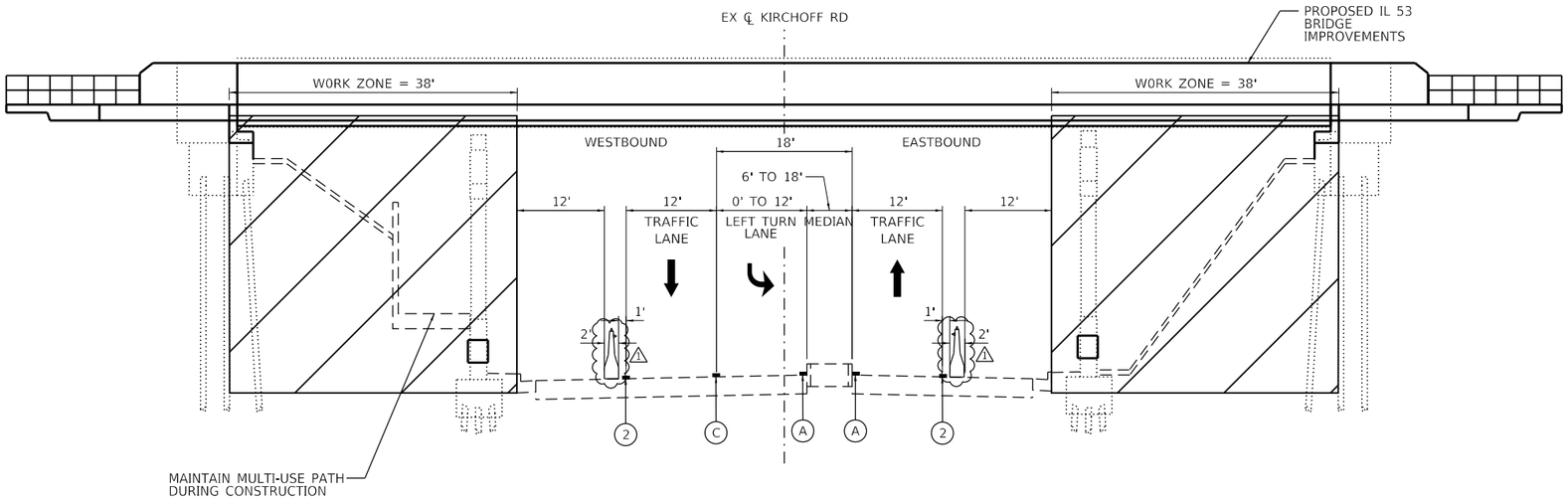

KIRCHOFF ROAD AT IL 53

STAGE 1

STA. 306+45.63 TO STA. 309+54.24

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW (DOUBLE YELLOW)

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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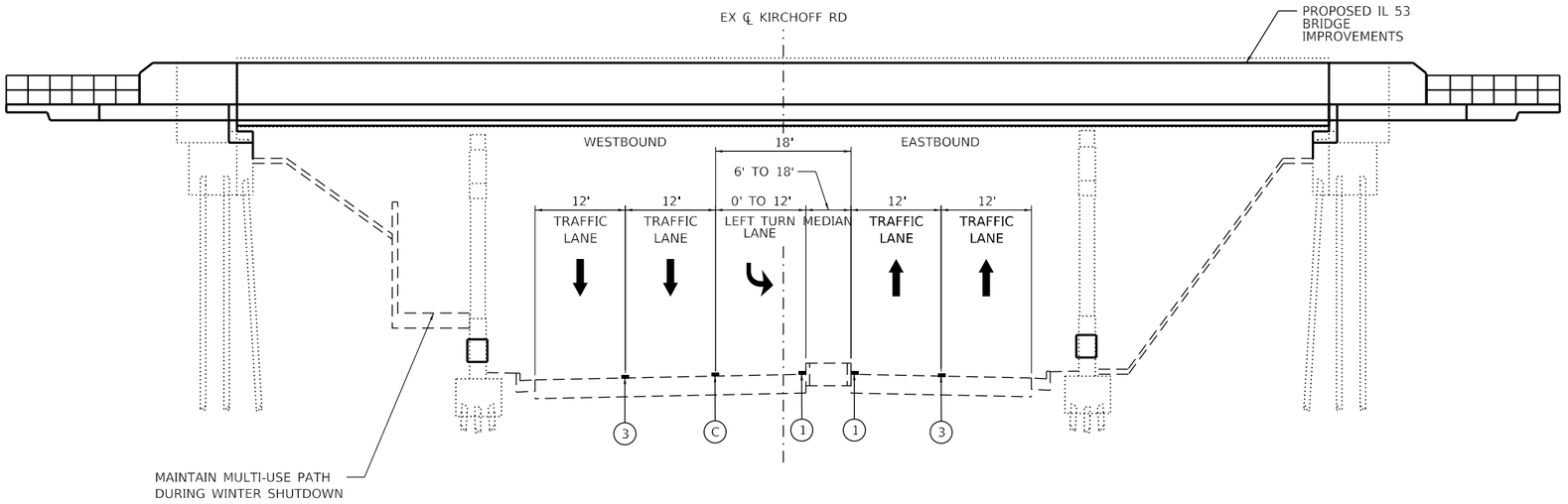
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KIRCHOFF ROAD
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 23 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	204
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



KIRCHOFF ROAD AT IL 53
WINTER SHUTDOWN

STA. 306+45.63 TO STA. 309+54.24

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW (DOUBLE YELLOW)
- (5) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 2' DASH - 6' SKIP

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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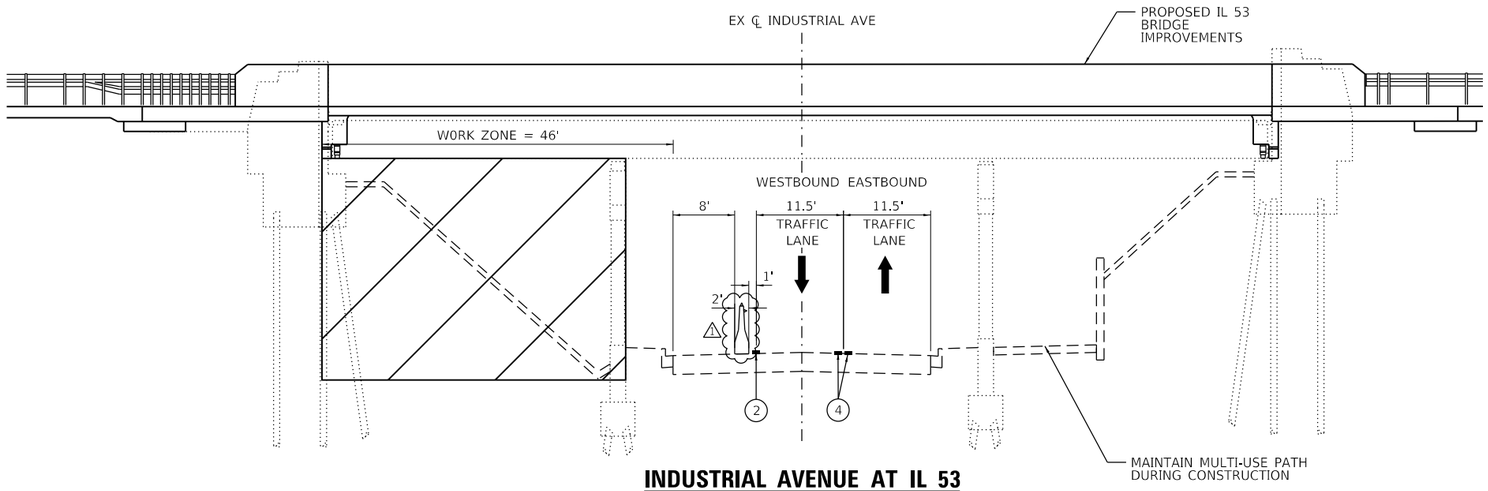
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KIRCHOFF ROAD
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 24 OF 33 SHEETS | STA. | TO STA.

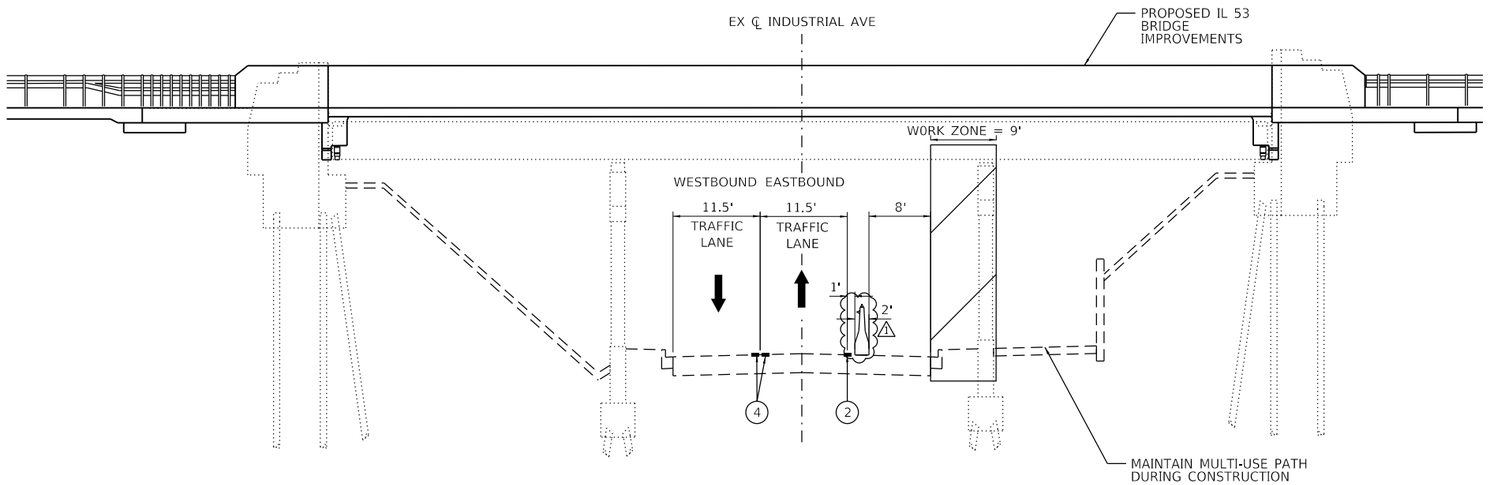
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	205
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



INDUSTRIAL AVENUE AT IL 53

STAGE 1

STA. 503+39.14 TO STA. 504+96.48



INDUSTRIAL AVENUE AT IL 53

STAGE 2

STA. 503+14.70 TO STA. 504+51.45

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW (DOUBLE YELLOW)

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDUSTRIAL AVENUE
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 25 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	206
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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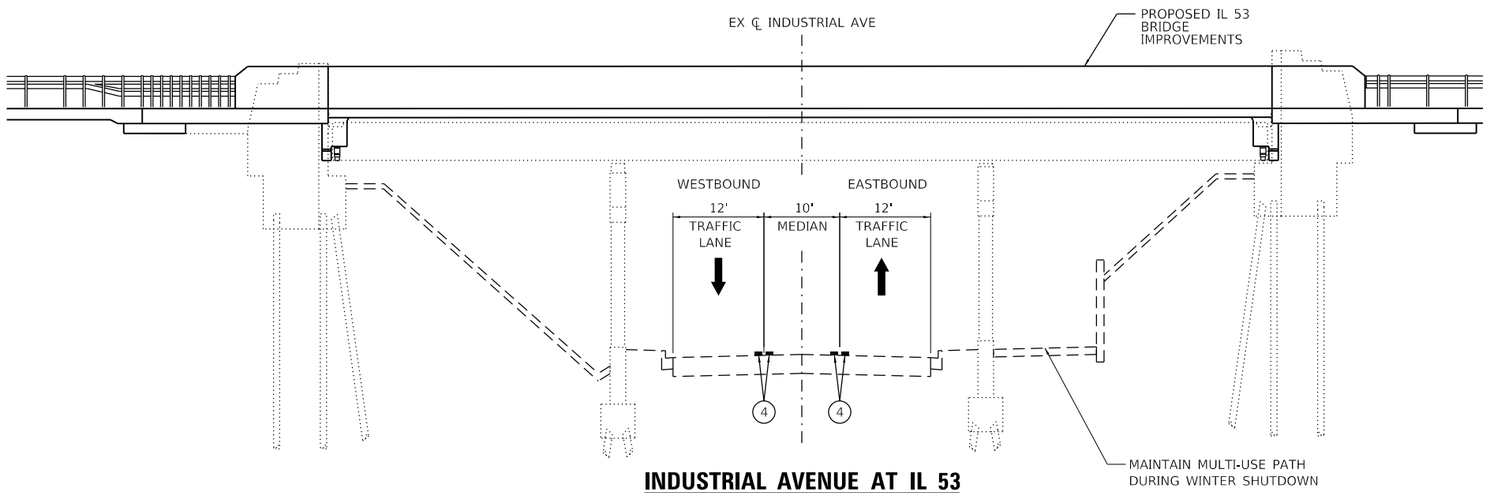

INDUSTRIAL AVENUE AT IL 53
WINTER SHUTDOWN

STA. 503+39.14 TO STA. 504+96.48

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW (DOUBLE YELLOW)
- (5) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 2' DASH - 6' SKIP

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDUSTRIAL AVENUE
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 26 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	207
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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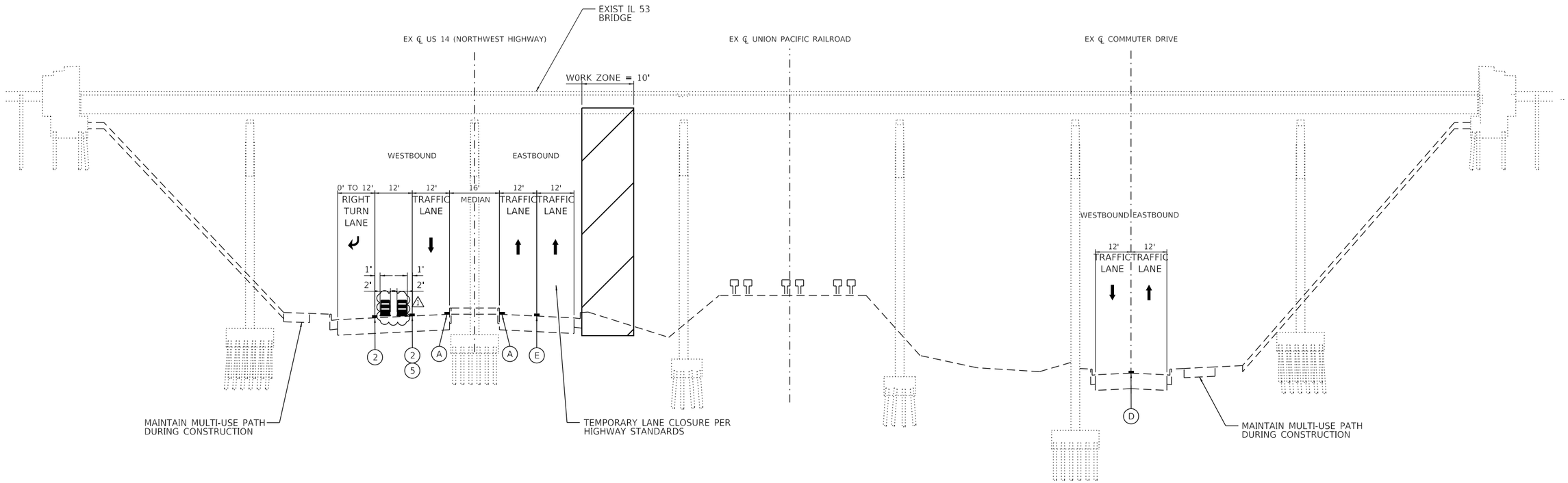

US 14 (NORTHWEST HIGHWAY), COMMUTER DRIVE, & UNION PACIFIC RAILROAD AT IL 53

STAGE 1

US 14 (NORTHWEST HIGHWAY) STA. 608+76.64 TO STA. 611+22.66
COMMUTER DRIVE STA. 921+44.87 TO STA. 923+34.48

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW (DOUBLE YELLOW)

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

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	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

US 14 (NW HIGHWAY), COMMUTER DRIVE, & UNION PACIFIC RR
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 27 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	208
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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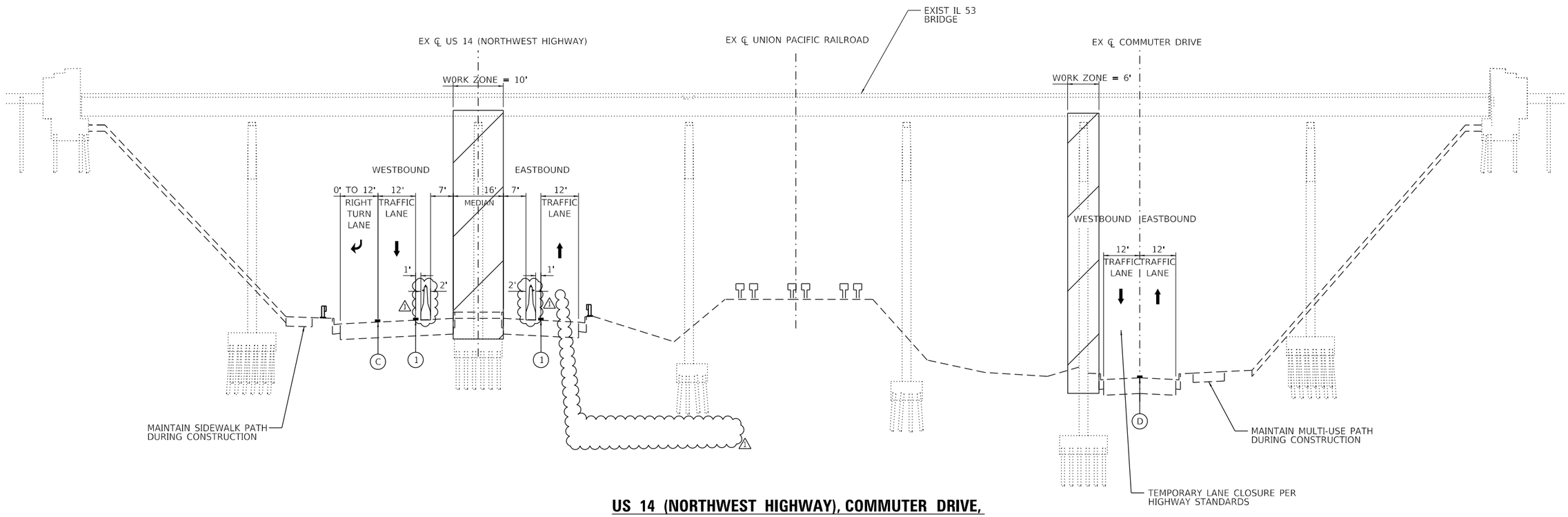

US 14 (NORTHWEST HIGHWAY), COMMUTER DRIVE, & UNION PACIFIC RAILROAD AT IL 53

STAGE 2

US 14 (NORTHWEST HIGHWAY) STA. 609+5.63 TO STA. 610+82.63
COMMUTER DRIVE STA. 921+91.01 TO STA. 923+43.27

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW (DOUBLE YELLOW)

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

MODEL: Default
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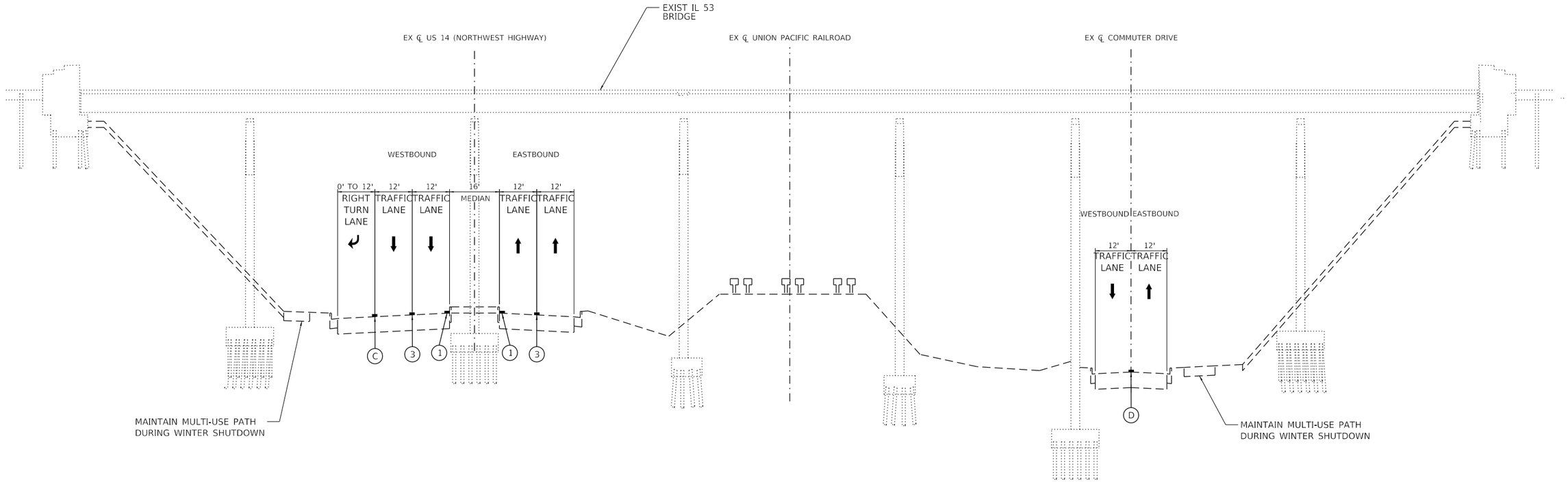
USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 (1)	
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 (NW HIGHWAY), COMMUTER DRIVE, & UNION PACIFIC RR
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 28 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	209
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			



US 14 (NORTHWEST HIGHWAY), COMMUTER DRIVE, & UNION PACIFIC RAILROAD AT IL 53
WINTER SHUTDOWN

US 14 (NORTHWEST HIGHWAY) STA. 608+76.64 TO STA. 611+22.66
COMMUTER DRIVE STA. 921+44.87 TO STA. 923+34.48

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW (DOUBLE YELLOW)
- (5) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 2' DASH - 6' SKIP

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

MODEL: Default
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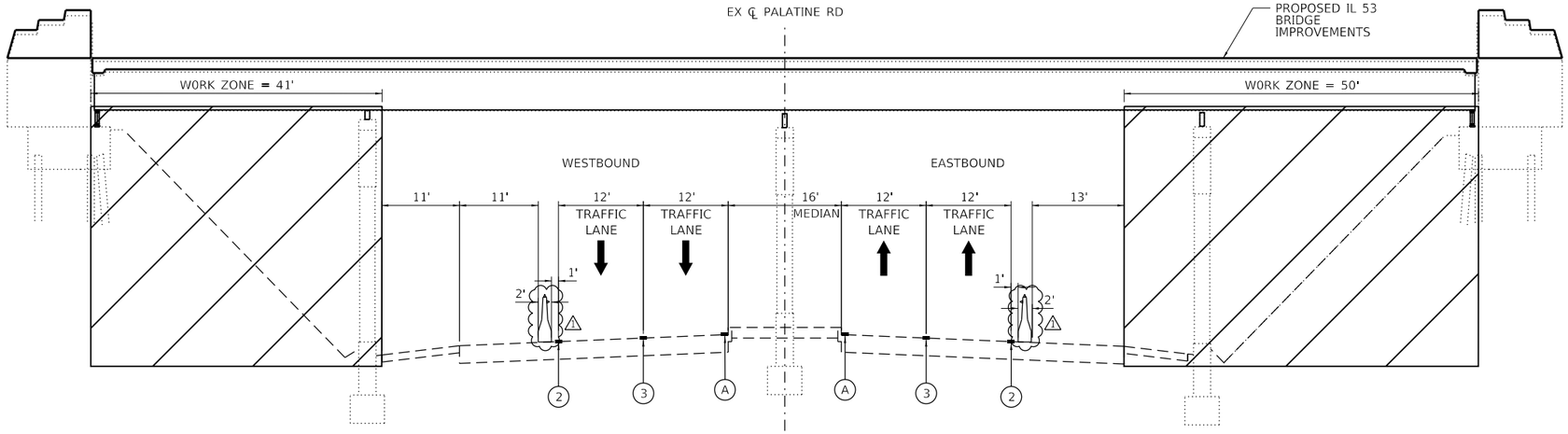
wsp	USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 14 (NW HIGHWAY), COMMUTER DRIVE, & UNION PACIFIC RR TRAFFIC CONTROL TYPICAL SECTION
		DRAWN - MM	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -		SCALE: NTS SHEET 29 OF 33 SHEETS STA. TO STA.
	PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -		

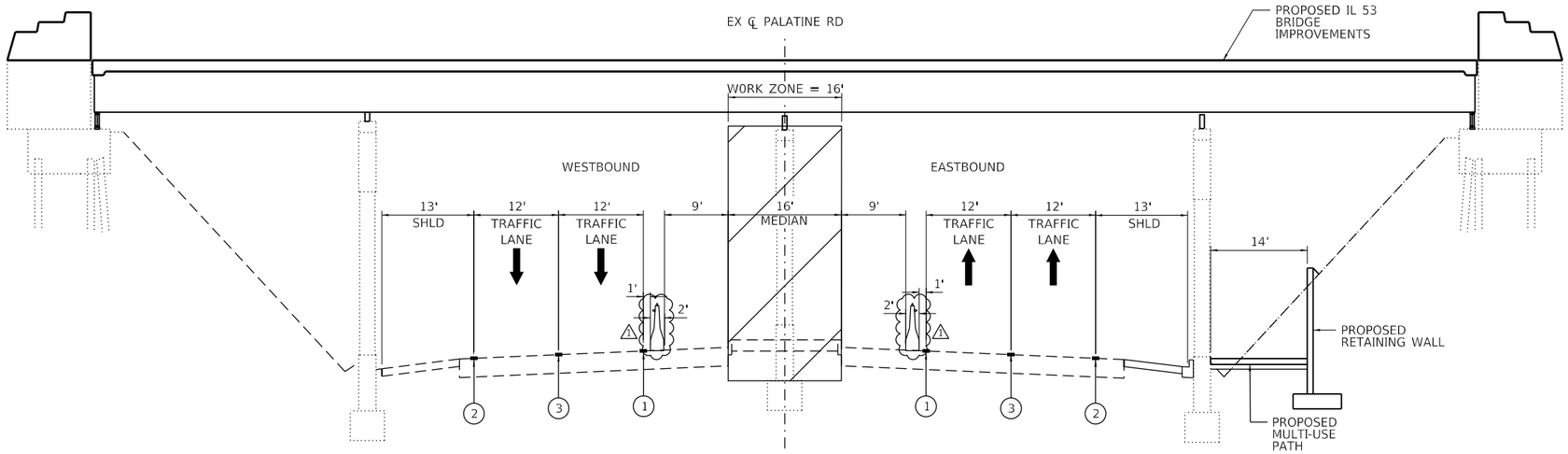
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	210
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



PALATINE ROAD AT IL 53

STAGE 1

STA. 817+93.44 TO STA. 820+04.99



PALATINE ROAD AT IL 53

STAGE 2

STA. 818+06.10 TO STA. 819+92.74

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW (DOUBLE YELLOW)

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM ⚠1

WORK ZONE

NOTES

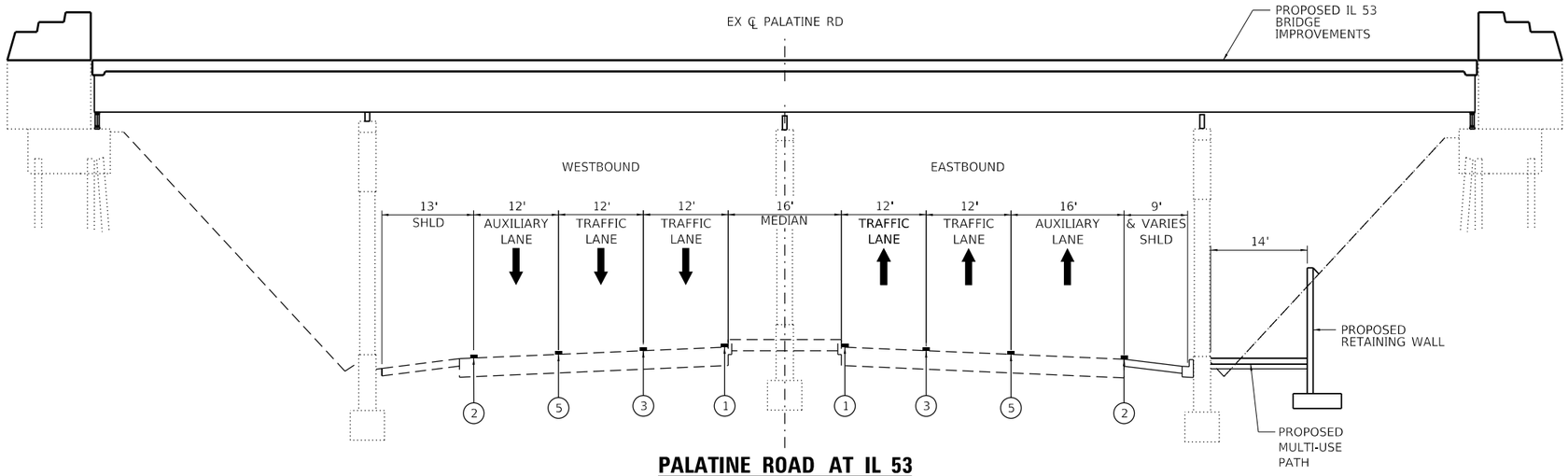
1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.) ⚠1

⚠1 REVISED SHEET 10/31/2024

MODEL: Default
FILE NAME: pw:\\wsp-us-pw.bentley.com:wsp-us-pw-IL\Documents\Project 62N91-IL 53 Bridge\CAD Sheets\ID162W38-sht-staging-typdet-30-Palatine-WSP.dgn

wsp	USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 ⚠1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PALATINE ROAD TRAFFIC CONTROL TYPICAL SECTION
		DRAWN - MM	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -		SCALE: NTS SHEET 30 OF 33 SHEETS STA. TO STA.
	PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	211
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



PALATINE ROAD AT IL 53
WINTER SHUTDOWN

STA. 818+06.10 TO STA. 819+92.74

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW (DOUBLE YELLOW)
- (5) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 2' DASH - 6' SKIP

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.)

1 REVISED SHEET 10/31/2024

MODEL: Default
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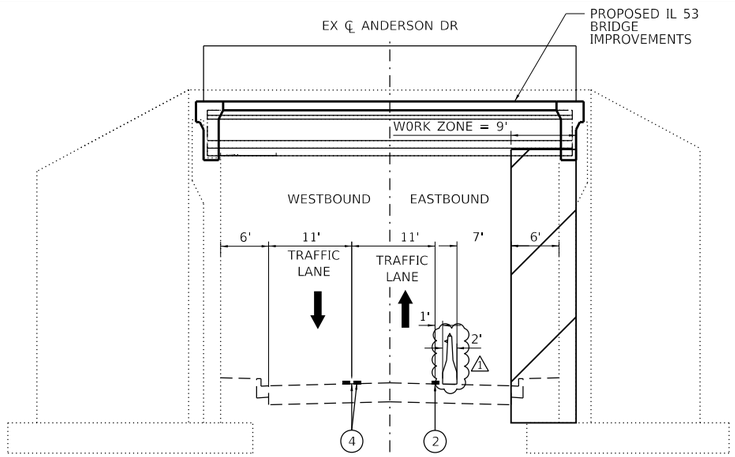
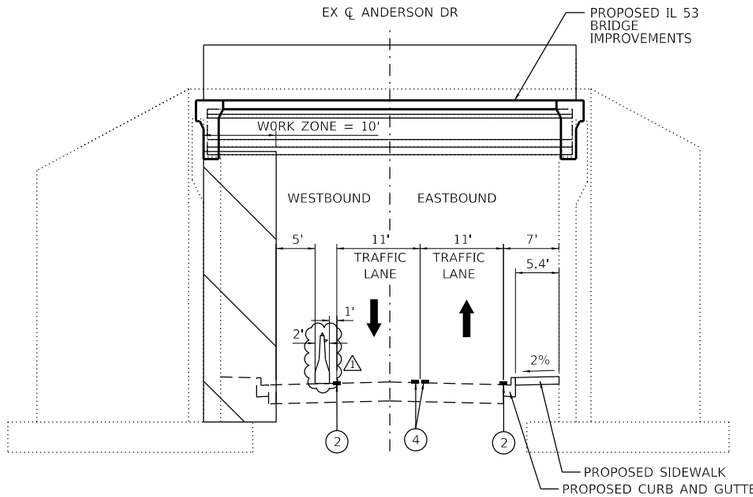
	DRAWN - MM	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -		SCALE: NTS	SHEET 31 OF 33 SHEETS STA. TO STA.
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	212
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



ANDERSON DRIVE AT IL 53
STAGE 1
STA. 902+43.15 TO STA. 903+64.44



ANDERSON DRIVE AT IL 53
STAGE 2
STA. 902+35.99 TO STA. 903+57.06

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW (DOUBLE YELLOW)

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM ⚠1

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.) ⚠1

⚠1 REVISED SHEET 10/31/2024

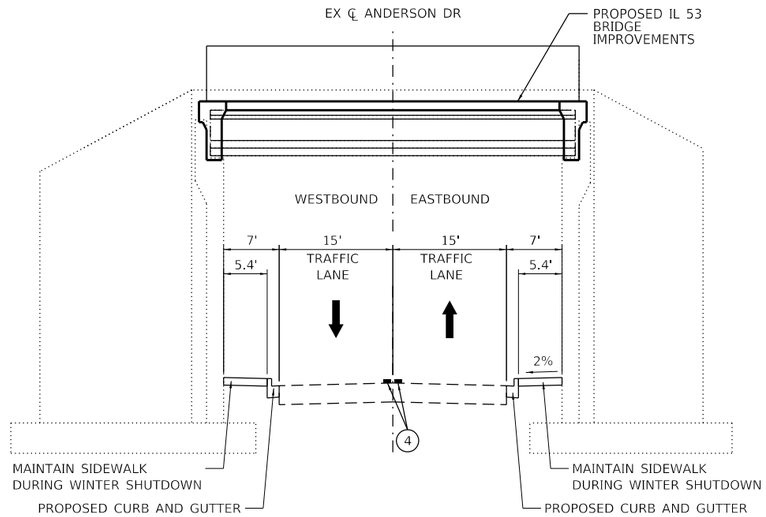
MODEL: Default
FILE NAME: pw:\\wsp-us-gaw.bentley.com:wsp-us-pw-IL\Documents\Project 62N91-IL 53 Bridge\CAD Sheets\D162W38-tht-staging-typ&t-k32-Anderson-WSP.dgn

USER NAME = USAT719599	DESIGNED - MM	REVISED - 10/29/2024 ⚠1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - MM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -	
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -	

ANDERSON DRIVE
TRAFFIC CONTROL TYPICAL SECTION

SCALE: NTS | SHEET 32 OF 33 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	213
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



ANDERSON DRIVE AT IL 53
WINTER SHUTDOWN

STA. 902+35.99 TO STA. 903+57.06

LEGEND

- (A) EXISTING PAVEMENT MARKING 4" YELLOW
- (B) EXISTING PAVEMENT MARKING 4" WHITE
- (C) EXISITNG PAVEMENT MARKING 4", 2' DASH - 6' SKIP
- (D) EXISTING PAVEMENT MARKING 4" YELLOW DASH-SKIP
- (E) EXISTING PAVEMENT MARKING 4" WHITE DASH-SKIP
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW
- (2) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID WHITE
- (3) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 10' DASH - 30' SKIP
- (4) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE SOLID YELLOW (DOUBLE YELLOW)
- (5) TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE WHITE, 2' DASH - 6' SKIP

DIRECTION OF TRAFFIC FLOW

TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER - PINNED

TYPE II BARRICADE OR DRUM

WORK ZONE

NOTES

1. TEMPORARY CONCRETE BARRIER TO INCLUDE EITHER CRYSTAL OR AMBER TYPE C REFLECTORS @ 40' CENTERS PER HIGHWAY STANDARD 704001 & 782006 (TYP.) 1

1 REVISED SHEET 10/31/2024

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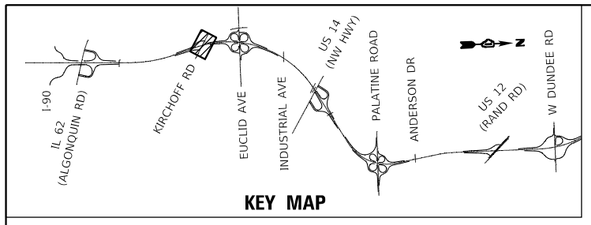
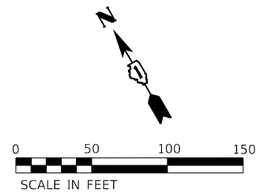
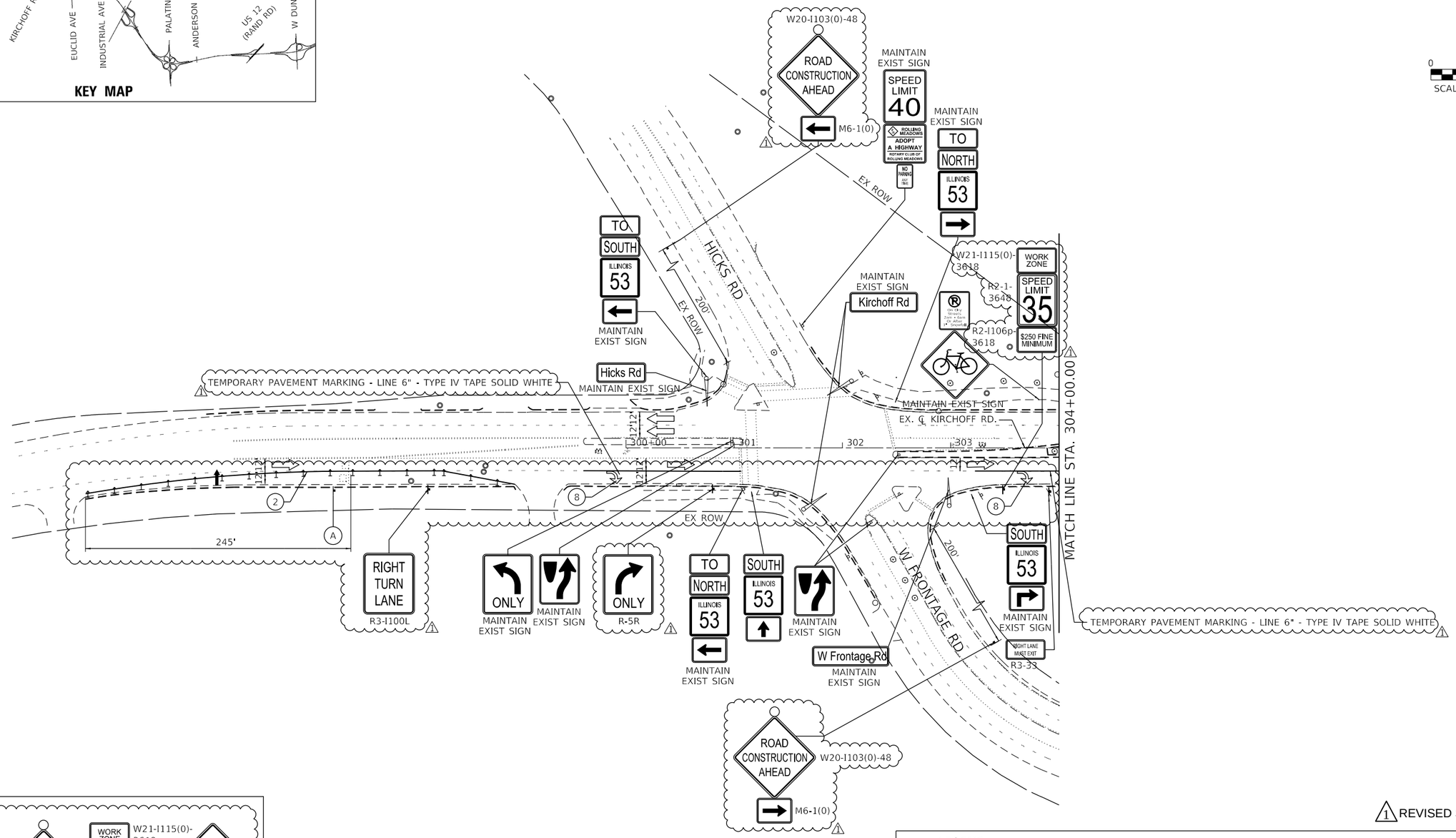
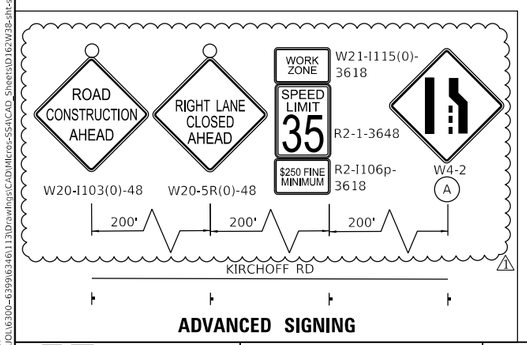
	DRAWN - MM	REVISED -			
PLOT SCALE = 20.0000 ' / in.	CHECKED - TC	REVISED -		SCALE: NTS	SHEET 33 OF 33 SHEETS STA. TO STA.
PLOT DATE = 10/23/2024	DATE - 8/23/2024	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	214
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		









ADVANCED SIGNING

NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.
2. 15 MINUTE FULL STOPS SHALL BE USED DURING BRIDGE BEAM REMOVAL AND ERECTION.
3. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION AND TEMPORARY TRAFFIC SIGNAL TIMING PAY ITEMS SHALL BE INCLUDED FOR WORK AT KIRCHOFF ROAD AND HICKS ROAD INTERSECTION. QUANTITIES ARE INCLUDED IN THE TRAFFIC SIGNAL SCHEDULE OF QUANTITIES SHEET.

1 REVISED SHEET 10/31/2024

LEGEND

1. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
2. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
3. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP
4. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)
5. TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP
6. TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE
7. TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE
8. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE

SIGN

TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII

TYPE III BARRICADE WITH FLASHING LIGHTS

WORK ZONE

TEMPORARY PAVEMENT PREVIOUSLY BUILT

TEMPORARY CONCRETE BARRIER

TEMPORARY IMPACT ATTENUATOR

FLASHING ARROW BOARD

TRAFFIC FLOW DIRECTION

FLAGGER WITH CONTROL SIGN

VERTICAL PANEL @ 25' C-C

DIRECTION INDICATOR BARRICADES @ 25' C-C

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

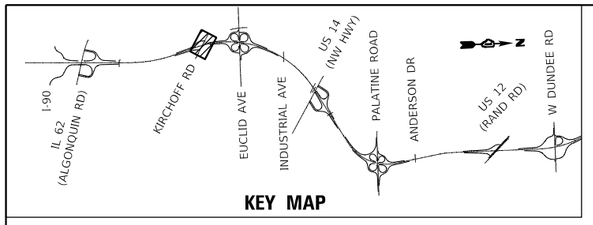
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KIRCHOFF ROAD
TRAFFIC CONTROL PLAN – STAGE 1

SCALE: 1" = 50' | SHEET 117 OF 125 SHEETS | STA. 300+00.00 | TO STA. 314+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	333
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: S:\DOL\6300-6399\6346\13D\cad\ngs\CAD\Micros-SS#\CAD_Sheets\D162W38-jnt-staging-80-Kirchoff RdSig1-SAT.dgn



KEY MAP

NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.
2. 15 MINUTE FULL STOPS SHALL BE USED DURING BRIDGE BEAM REMOVAL AND ERECTION.
3. FAR BACK AND QUEUE DETECTION ON IL 53 NORTHBOUND EXIT RAMP TO KIRCHOFF ROAD SHALL BE INSTALLED PRIOR TO CLOSURE OF IL 53 NORTHBOUND EXIT RAMP TO IL 62 (ALGONQUIN ROAD) IN CONTRACT 62N91.

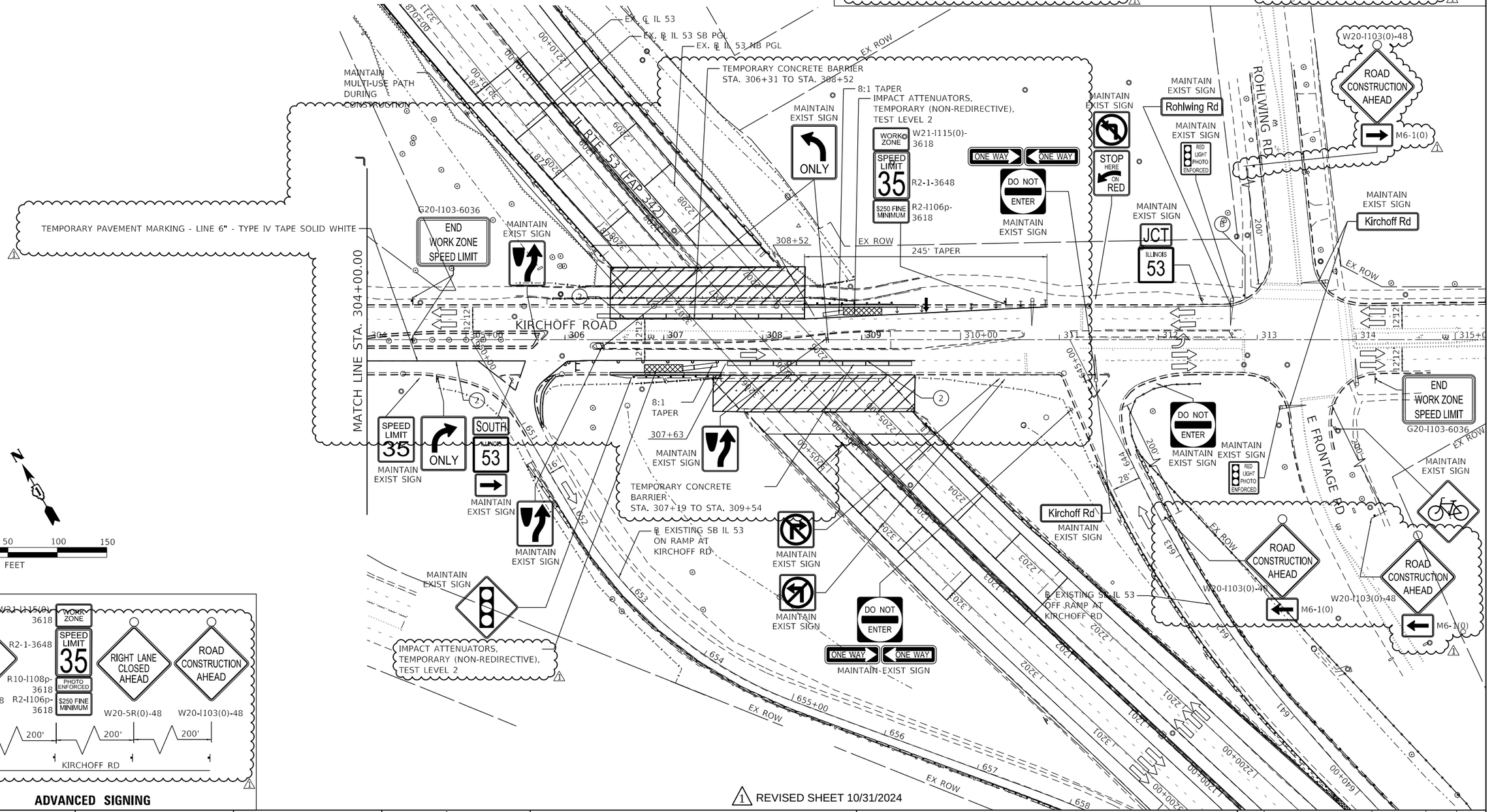
LEGEND

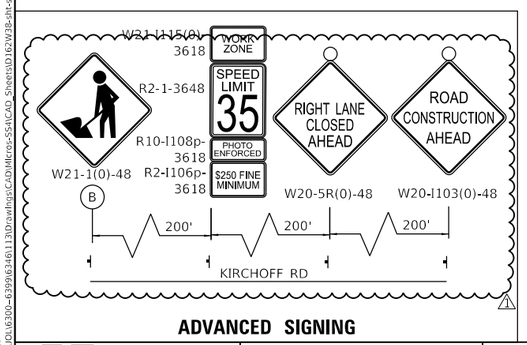
1. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
2. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
3. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP
4. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)
5. TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP
6. TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE
7. TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE
8. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE

SIGN

TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII

TYPE III BARRICADE WITH FLASHING LIGHTS
WORK ZONE
TEMPORARY PAVEMENT PREVIOUSLY BUILT
TEMPORARY CONCRETE BARRIER
TEMPORARY IMPACT ATTENUATOR
FLASHING ARROW BOARD
TRAFFIC FLOW DIRECTION
FLAGGER WITH CONTROL SIGN
VERTICAL PANEL @ 25' C-C
DIRECTION INDICATOR BARRICADES @ 25' C-C





ADVANCED SIGNING

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KIRCHOFF ROAD
TRAFFIC CONTROL PLAN – STAGE 1

SCALE: 1" = 50' | SHEET 117 OF 125 SHEETS | STA. 300+00.00 TO STA. 314+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	334
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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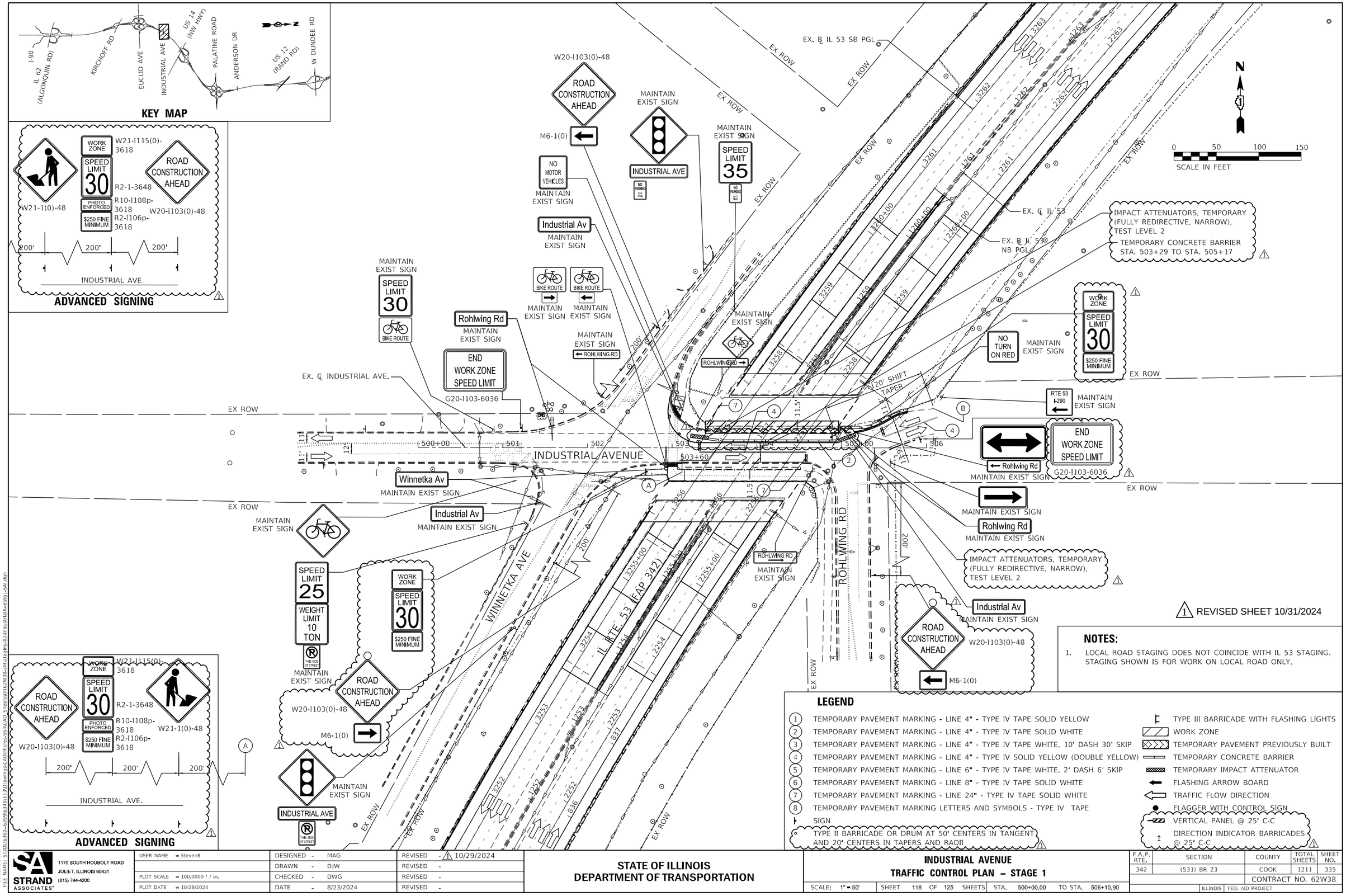
KEY MAP

ADVANCED SIGNING

ADVANCED SIGNING



1 REVISED SHEET 10/31/2024

NOTES:

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.

LEGEND

1	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
2	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
3	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP
4	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)
5	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP
6	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE
7	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE
	SIGN
	TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII
	TYPE III BARRICADE WITH FLASHING LIGHTS
	WORK ZONE
	TEMPORARY PAVEMENT PREVIOUSLY BUILT
	TEMPORARY CONCRETE BARRIER
	TEMPORARY IMPACT ATTENUATOR
	FLASHING ARROW BOARD
	TRAFFIC FLOW DIRECTION
	FLAGGER WITH CONTROL SIGN
	VERTICAL PANEL @ 25' C-C
	DIRECTION INDICATOR BARRICADES @ 25' C-C

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JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDUSTRIAL AVENUE
TRAFFIC CONTROL PLAN – STAGE 1

SCALE: 1" = 50' | SHEET 118 OF 125 SHEETS | STA. 500+00.00 TO STA. 506+10.90

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	335
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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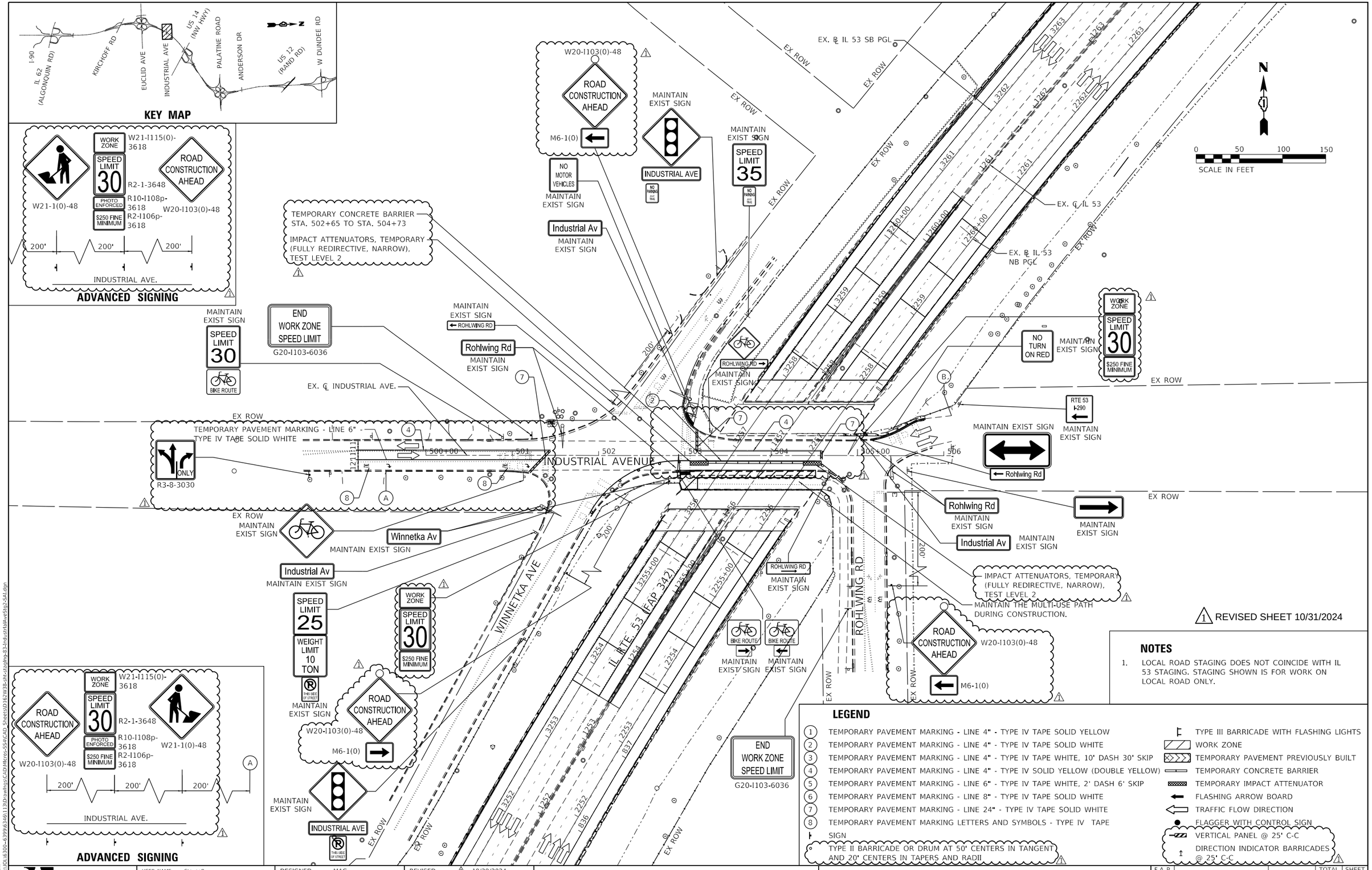
KEY MAP

ADVANCED SIGNING

ADVANCED SIGNING



1 REVISED SHEET 10/31/2024

NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.

LEGEND

1	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW		TYPE III BARRICADE WITH FLASHING LIGHTS
2	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE		WORK ZONE
3	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP		TEMPORARY PAVEMENT PREVIOUSLY BUILT
4	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)		TEMPORARY CONCRETE BARRIER
5	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP		TEMPORARY IMPACT ATTENUATOR
6	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE		FLASHING ARROW BOARD
7	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE		TRAFFIC FLOW DIRECTION
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE		FLAGGER WITH CONTROL SIGN
	SIGN		VERTICAL PANEL @ 25' C-C
	TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII		DIRECTION INDICATOR BARRICADES @ 25' C-C

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MODEL: Default
FILE NAME: S:\DOL\6300-6399\6346\1130\Drawings\CAD\Micros-Sta\CAD_Sheets\D1162W38-phs-staging-03-IndustrialAveStg2-SAI.dgn

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

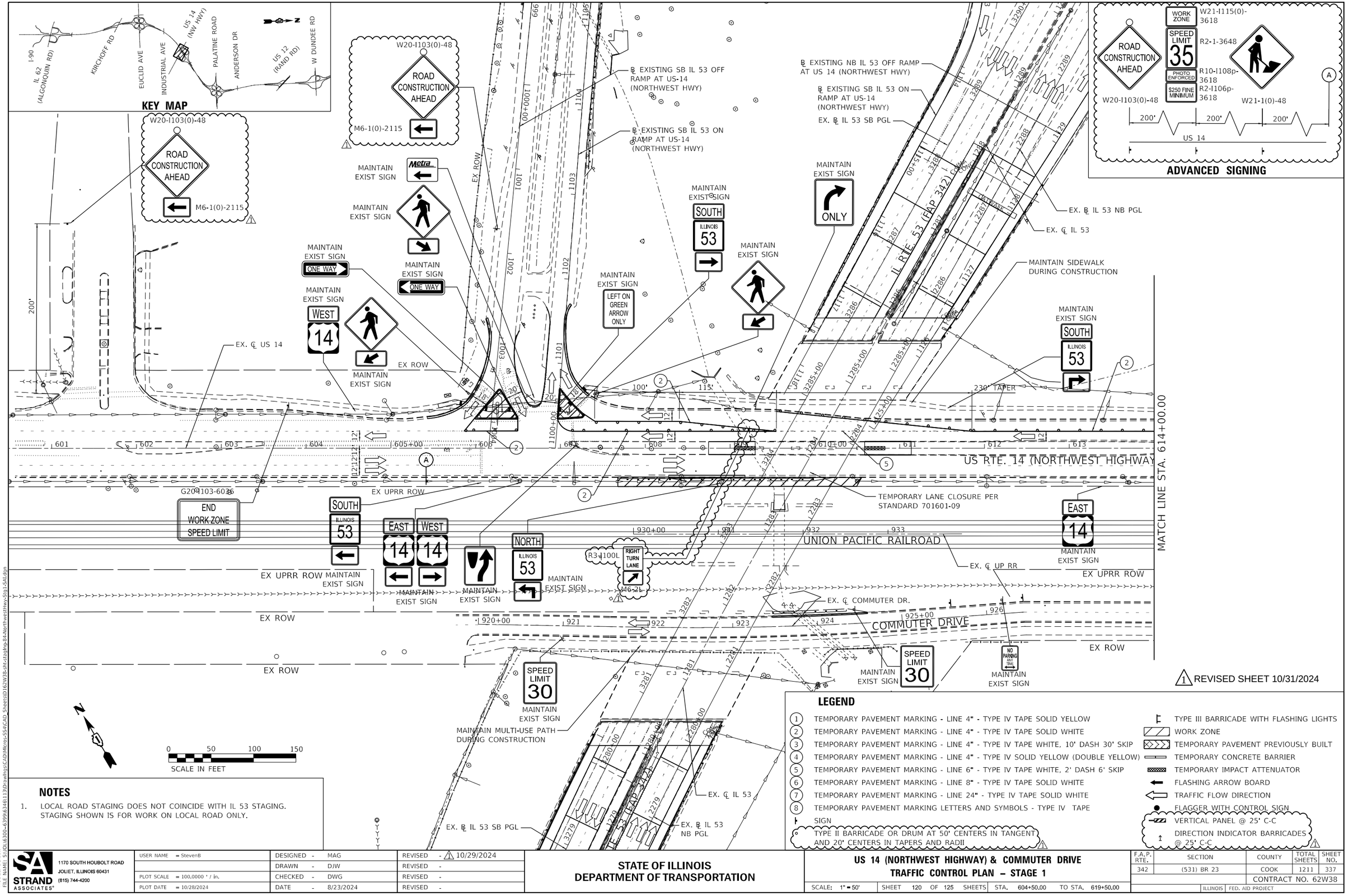
INDUSTRIAL AVENUE
TRAFFIC CONTROL PLAN – STAGE 2

SCALE: 1" = 50' | SHEET 119 OF 125 SHEETS | STA. 500+00.00 | TO STA. 506+10.90

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	336
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

KEY MAP

ADVANCED SIGNING



NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.

1 REVISED SHEET 10/31/2024

LEGEND

1	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW		TYPE III BARRICADE WITH FLASHING LIGHTS
2	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE		WORK ZONE
3	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP		TEMPORARY PAVEMENT PREVIOUSLY BUILT
4	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)		TEMPORARY CONCRETE BARRIER
5	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP		TEMPORARY IMPACT ATTENUATOR
6	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE		FLASHING ARROW BOARD
7	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE		TRAFFIC FLOW DIRECTION
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE		FLAGGER WITH CONTROL SIGN
	SIGN		VERTICAL PANEL @ 25' C-C
	TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII		DIRECTION INDICATOR BARRICADES @ 25' C-C

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PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -			
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 (NORTHWEST HIGHWAY) & COMMUTER DRIVE
TRAFFIC CONTROL PLAN – STAGE 1

SCALE: 1" = 50' | SHEET 120 OF 125 SHEETS | STA. 604+50.00 | TO STA. 619+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	337
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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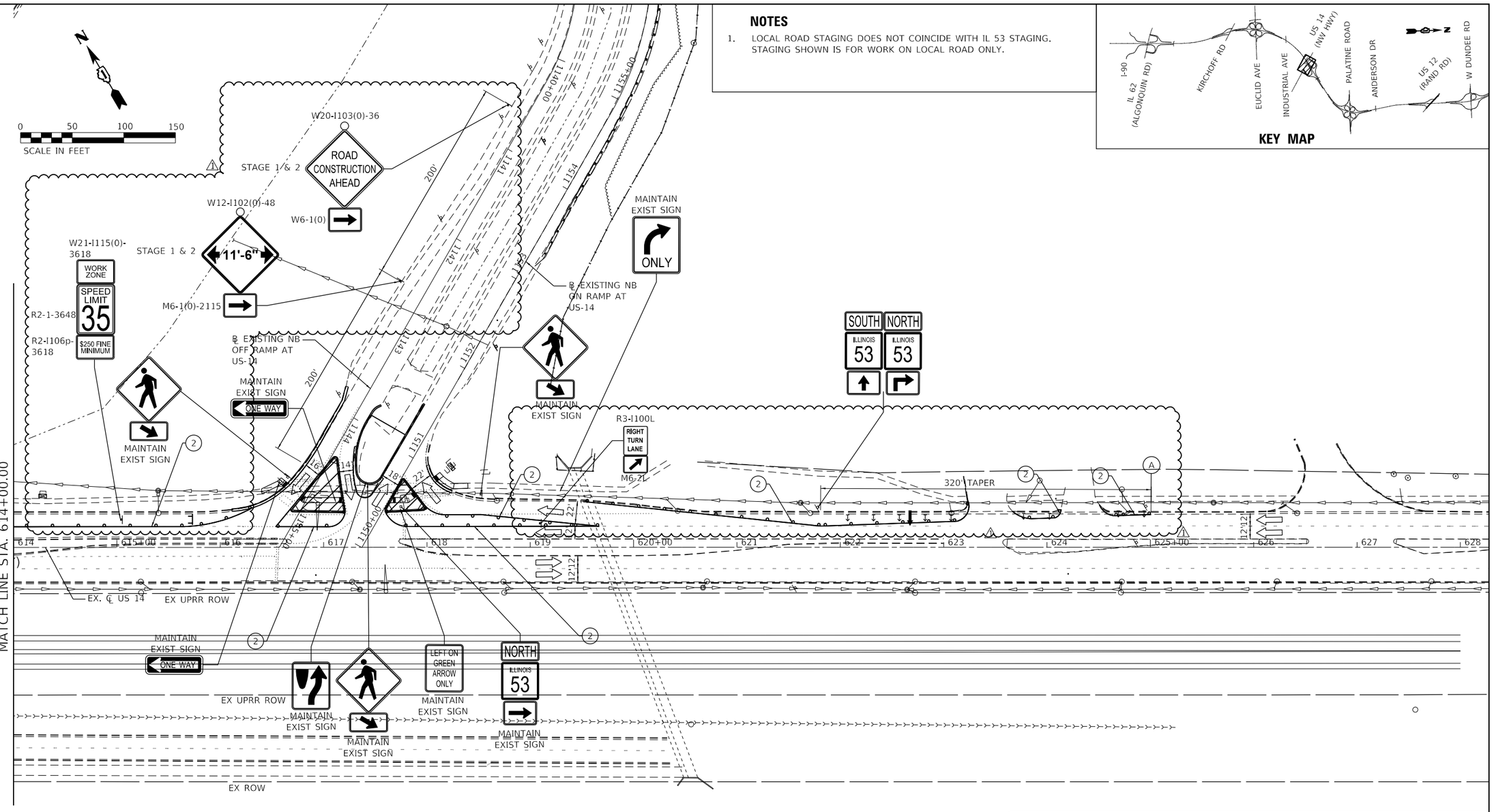
NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.

KEY MAP



LEGEND

1. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
2. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
3. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP
4. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)
5. TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP
6. TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE
7. TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE
8. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE

SIGN

TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII

TYPE III BARRICADE WITH FLASHING LIGHTS

WORK ZONE

TEMPORARY PAVEMENT PREVIOUSLY BUILT

TEMPORARY CONCRETE BARRIER

TEMPORARY IMPACT ATTENUATOR

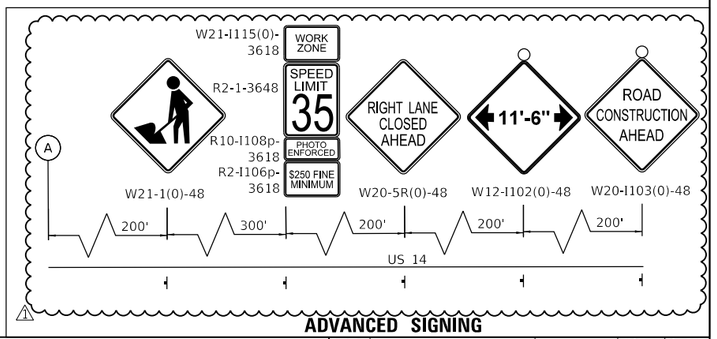
FLASHING ARROW BOARD

TRAFFIC FLOW DIRECTION

FLAGGER WITH CONTROL SIGN

VERTICAL PANEL @ 25' C-C

DIRECTION INDICATOR BARRICADES @ 25' C-C



ADVANCED SIGNING

1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 (NORTHWEST HIGHWAY) & COMMUTER DRIVE
TRAFFIC CONTROL PLAN – STAGE 1

SCALE: 1" = 50' | SHEET 120 OF 125 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	338
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: S:\DL\6300-6399\6346111\3D\traffic\ps\CAD\MicroStation\CAD\Sheets\D162W38-cht-staging-8au-4anmwest-Hwy-Stg1-SAL.dgn

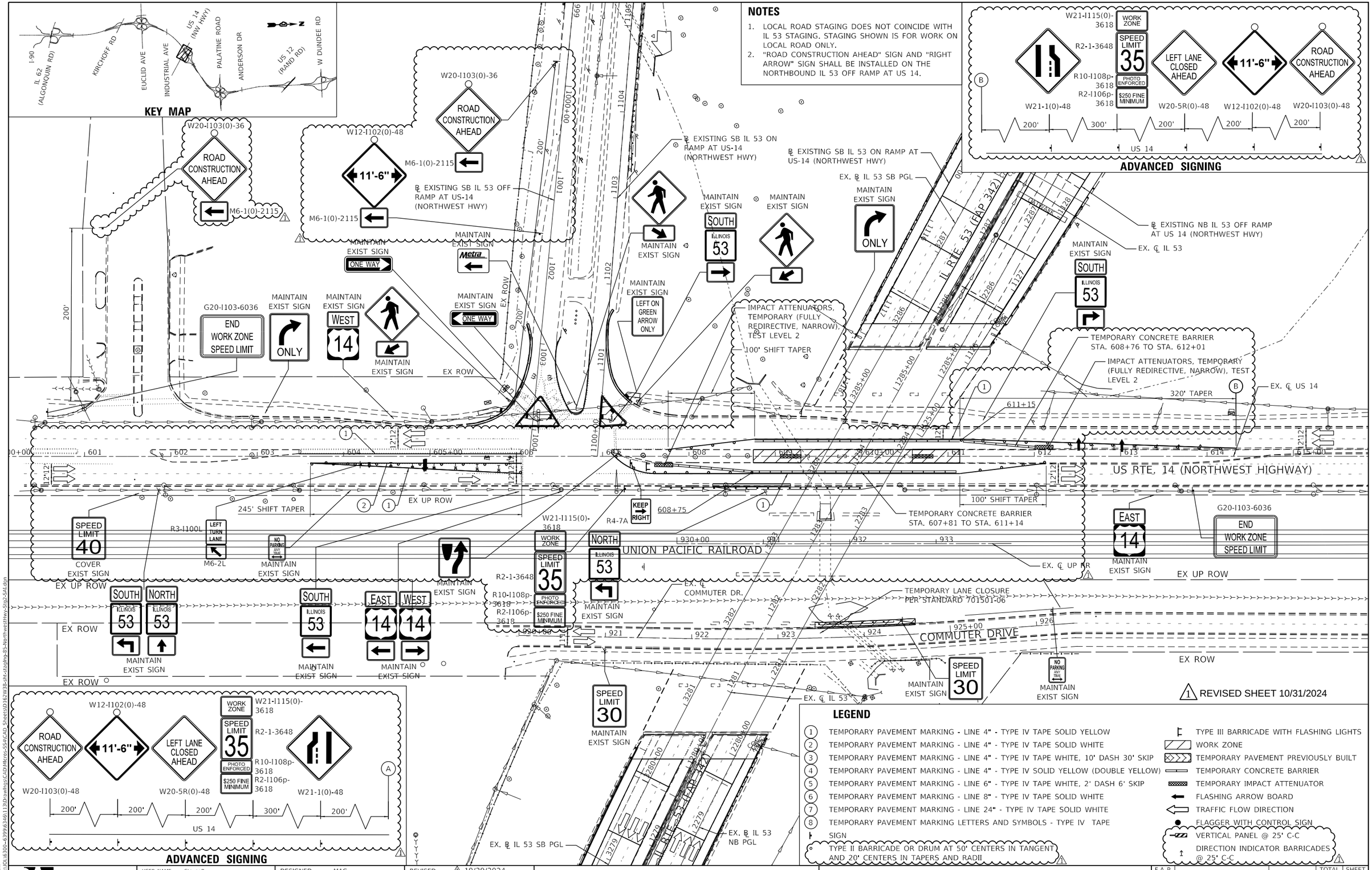
NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.
2. "ROAD CONSTRUCTION AHEAD" SIGN AND "RIGHT ARROW" SIGN SHALL BE INSTALLED ON THE NORTHBOUND IL 53 OFF RAMP AT US 14.

KEY MAP

ADVANCED SIGNING

ADVANCED SIGNING



1 REVISED SHEET 10/31/2024

LEGEND

1. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
2. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
3. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP
4. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)
5. TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP
6. TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE
7. TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE
8. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE

- SIGN
- TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII
- TYPE III BARRICADE WITH FLASHING LIGHTS
- WORK ZONE
- TEMPORARY PAVEMENT PREVIOUSLY BUILT
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- FLASHING ARROW BOARD
- TRAFFIC FLOW DIRECTION
- FLAGGER WITH CONTROL SIGN
- VERTICAL PANEL @ 25' C-C
- DIRECTION INDICATOR BARRICADES @ 25' C-C

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

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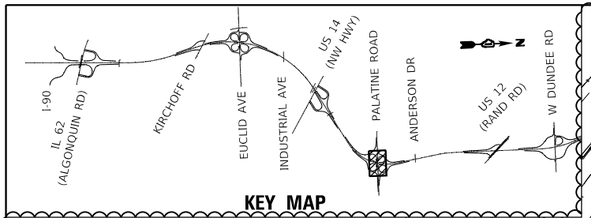
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

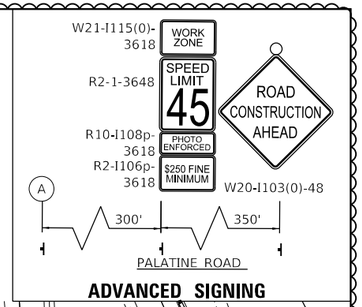
US 14 (NORTHWEST HIGHWAY) & COMMUTER DRIVE
TRAFFIC CONTROL PLAN – STAGE 2

SCALE: 1" = 50' | SHEET 121 OF 125 SHEETS | STA. 604+50.00 TO STA. 619+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	339
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

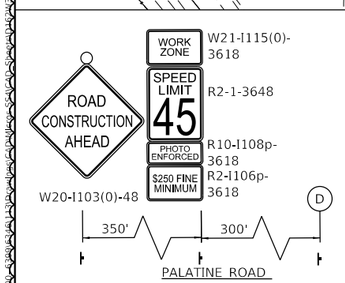


KEY MAP



ADVANCED SIGNING

EX ROW
℄ EXISTING SB IL 53 OFF RAMP TO WB PALATINE RD
℄ EXISTING WB PALATINE RD ON RAMP TO SB IL 53
EX. ℄ IL 53 SB PGL
EX. ℄ IL 53
EX. ℄ PALATINE RD.
IL RTE. 53 (FAP 342)
EX. ℄ IL 53 NB PGL
MAINTAIN EXIST SIGN
SOUTH ILLINOIS 53
USE PROHIBITED BY MOTOR DRIVEN CYCLES FARM IMPLEMENTS PEDESTRIANS NON-MOTORIZED TRAFFIC BUCKLE UP!
END WORK ZONE SPEED LIMIT
G20-I103-6036
SB ON RAMP AT PALATINE RD SHALL BE CLOSED DURING IL 53 STAGE 3
100' SHIFT TAPER
TEMPORARY CONCRETE BARRIER STA. 818+30 TO 821+27
12:1 TAPER
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 2
℄ EXISTING NB IL 53 OFF RAMP TO WB PALATINE RD
COVER EXIST SIGN
D4-I102(G)-3648
EXIT OPEN AHEAD
NB OFF RAMP AT PALATINE RD SHALL BE CLOSED DURING IL 53 STAGE 1
℄ EXISTING WB PALATINE RD ON RAMP TO NB IL 53
PALATINE ROAD
NORTH ILLINOIS 53
MAINTAIN EXIST SIGN
IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 2
TEMPORARY CONCRETE BARRIER STA.816+56 TO 819+80
℄ EXISTING SB IL 53 OFF RAMP TO EB PALATINE RD
℄ EXISTING EB PALATINE RD ON RAMP TO SB IL 53
RAMP 25 MPH
℄ EXISTING NB OFF RAMP TO EB PALATINE RD
℄ EXISTING EB PALATINE RD ON RAMP TO NB IL 53



ADVANCED SIGNING

1 REVISED SHEET 10/31/2024

NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.
2. PALATINE ROAD STAGING PLAN IS INTENDED FOR THE CONSTRUCTION FOR THE PIER REPAIRS, CRASHWALLS, MULTI-USE PATH AND RETAINING WALL.
3. DURING THE CONSTRUCTION OF THE IL 53 BEAMSEATS, TEMPORARY LANE CLOSURES OF THE AUXILIARY LANES AND INSIDE LANES SHALL BE USED WHILE MAINTAINING THE RAMPS PER THE IL 53 STAGING PLANS.
4. 15 MINUTE FULL STOPS SHALL BE USED DURING STRUCTURE DEMO, BRIDGE BEAM REMOVAL AND ERECTION.

LEGEND

1	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW		TYPE III BARRICADE WITH FLASHING LIGHTS
2	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE		WORK ZONE
3	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP		TEMPORARY PAVEMENT PREVIOUSLY BUILT
4	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)		TEMPORARY CONCRETE BARRIER
5	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP		TEMPORARY IMPACT ATTENUATOR
6	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE		FLASHING ARROW BOARD
7	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE		TRAFFIC FLOW DIRECTION
8	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE		FLAGGER WITH CONTROL SIGN
	SIGN		VERTICAL PANEL @ 25' C-C
	TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII		DIRECTION INDICATOR BARRICADES @ 25' C-C

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MODEL: Default
FILE NAME: S:\Projects\Palatine Road\Traffic\Plan Sheets\Palatine Road TCP Stage 1.dgn

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PALATINE ROAD
TRAFFIC CONTROL PLAN – STAGE 1

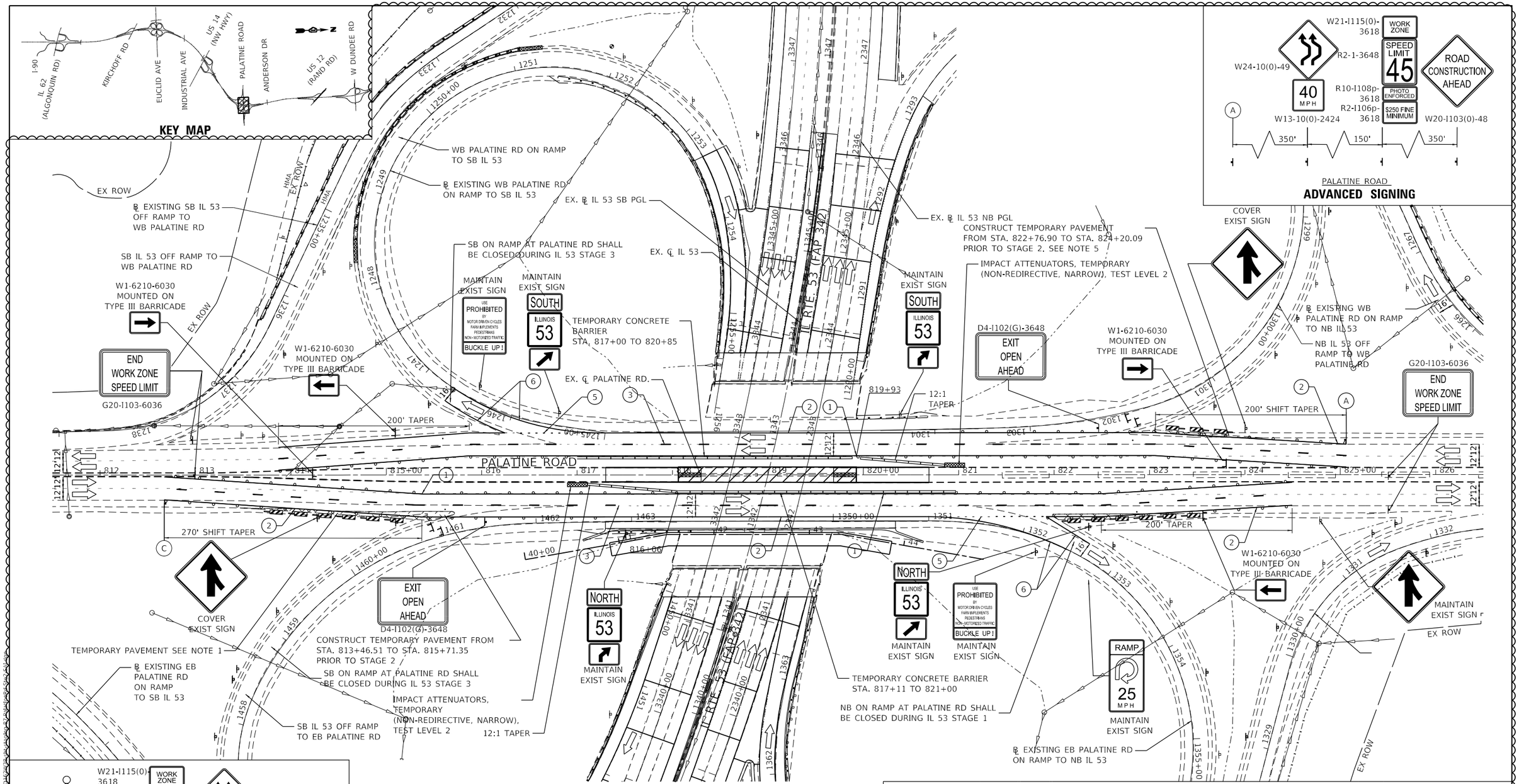
SCALE: 1" = 50' | SHEET 122 OF 125 SHEETS | STA. 811+50.00 | TO STA. 826+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	340
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

KEY MAP

PALATINE ROAD

ADVANCED SIGNING



NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.
2. PALATINE ROAD STAGING PLAN IS INTENDED FOR THE CONSTRUCTION FOR THE PIER REPAIRS, CRASHWALLS, MULTI-USE PATH AND RETAINING WALL.
3. DURING THE CONSTRUCTION OF THE IL 53 BEAMSEATS, TEMPORARY LANE CLOSURES OF THE AUXILIARY LANES AND INSIDE LANES SHALL BE USED WHILE MAINTAINING THE RAMPS PER THE IL 53 STAGING PLANS.
4. 15 MINUTE FULL STOPS SHALL BE USED DURING BRIDGE BEAM REMOVAL AND ERECTION.

LEGEND

(1)	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
(2)	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
(3)	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP
(4)	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)
(5)	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP
(6)	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE
(7)	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE
(8)	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE
	SIGN
	TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII
	TYPE III BARRICADE WITH FLASHING LIGHTS
	WORK ZONE
	TEMPORARY PAVEMENT PREVIOUSLY BUILT
	TEMPORARY CONCRETE BARRIER
	TEMPORARY IMPACT ATTENUATOR
	FLASHING ARROW BOARD
	TRAFFIC FLOW DIRECTION
	FLAGGER WITH CONTROL SIGN
	VERTICAL PANEL @ 25' C-C
	DIRECTION INDICATOR BARRICADES @ 25' C-C

1 REVISED SHEET 10/31/2024

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MODEL: Default
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USER NAME = StevenB	DESIGNED - MAG	REVISED -	10/29/2024
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PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

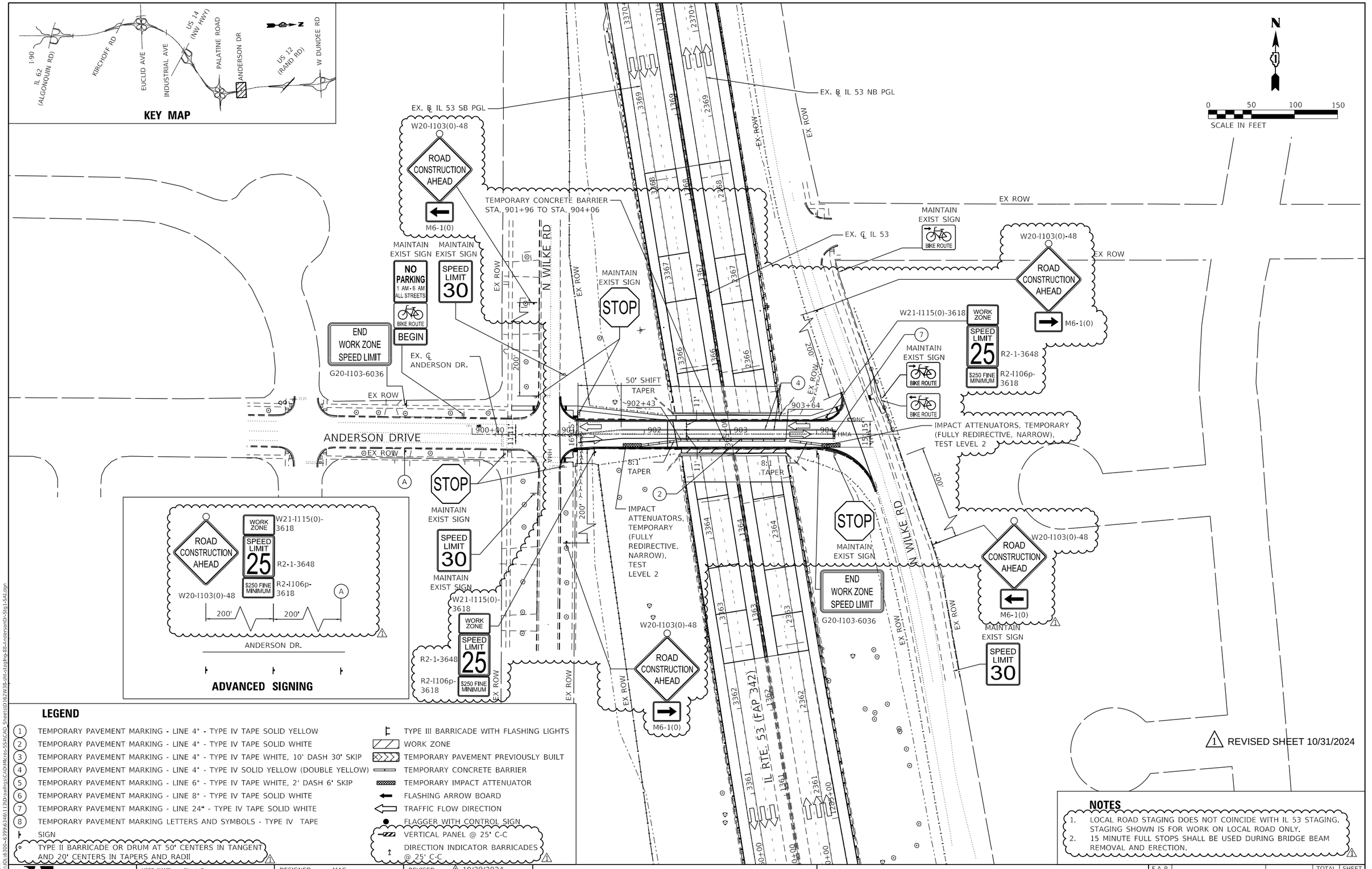
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PALATINE ROAD
TRAFFIC CONTROL PLAN – STAGE 2

SCALE: 1" = 50' | SHEET 123 OF 125 SHEETS | STA. 811+50.00 | TO STA. 826+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	341
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

KEY MAP



ADVANCED SIGNING

LEGEND

1. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
2. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
3. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP
4. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)
5. TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP
6. TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE
7. TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE
8. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE

SIGN

TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII ⚠1

TYPE III BARRICADE WITH FLASHING LIGHTS

WORK ZONE

TEMPORARY PAVEMENT PREVIOUSLY BUILT

TEMPORARY CONCRETE BARRIER

TEMPORARY IMPACT ATTENUATOR

FLASHING ARROW BOARD

TRAFFIC FLOW DIRECTION

FLAGGER WITH CONTROL SIGN

VERTICAL PANEL @ 25' C-C

DIRECTION INDICATOR BARRICADES @ 25' C-C ⚠1

NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.
2. 15 MINUTE FULL STOPS SHALL BE USED DURING BRIDGE BEAM REMOVAL AND ERECTION. ⚠1

⚠1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
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	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANDERSON DRIVE
TRAFFIC CONTROL PLAN – STAGE 1

SCALE: 1" = 50' | SHEET 124 OF 125 SHEETS | STA. 900+00.00 | TO STA. 904+95.91

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	342
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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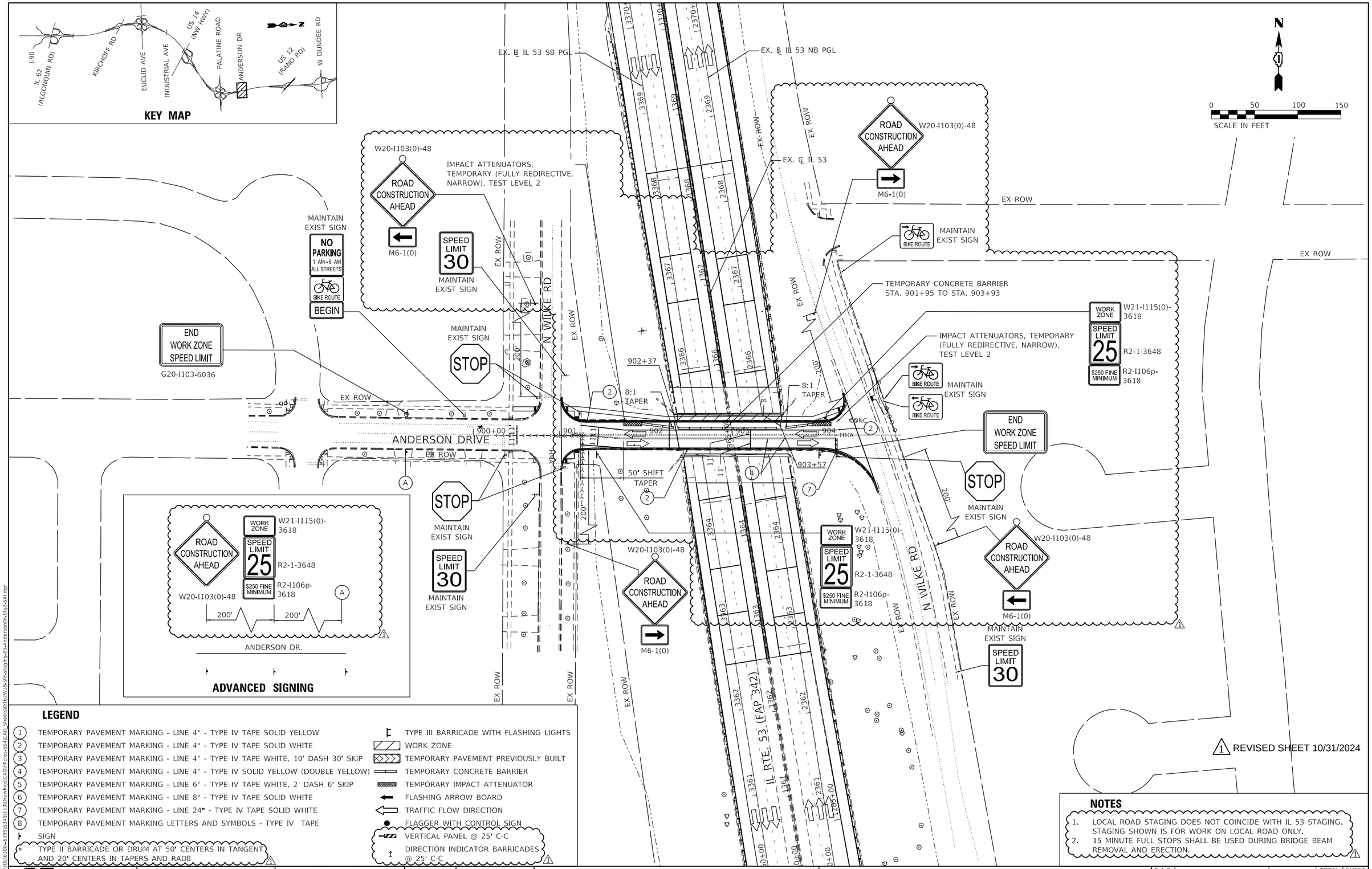

LEGEND

1. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW
2. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID WHITE
3. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE WHITE, 10' DASH 30' SKIP
4. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV SOLID YELLOW (DOUBLE YELLOW)
5. TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE WHITE, 2' DASH 6' SKIP
6. TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE SOLID WHITE
7. TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE
8. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE

SIGN

TYPE II BARRICADE OR DRUM AT 50' CENTERS IN TANGENT AND 20' CENTERS IN TAPERS AND RADII

TYPE III BARRICADE WITH FLASHING LIGHTS

WORK ZONE

TEMPORARY PAVEMENT PREVIOUSLY BUILT

TEMPORARY CONCRETE BARRIER

TEMPORARY IMPACT ATTENUATOR

FLASHING ARROW BOARD

TRAFFIC FLOW DIRECTION

FLAGGER WITH CONTROL SIGN

VERTICAL PANEL @ 25' C-C

DIRECTION INDICATOR BARRICADES @ 25' C-C

1 REVISED SHEET 10/31/2024

NOTES

1. LOCAL ROAD STAGING DOES NOT COINCIDE WITH IL 53 STAGING. STAGING SHOWN IS FOR WORK ON LOCAL ROAD ONLY.
2. 15 MINUTE FULL STOPS SHALL BE USED DURING BRIDGE BEAM REMOVAL AND ERECTION.

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	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANDERSON DRIVE
TRAFFIC CONTROL PLAN – STAGE 2

SCALE: 1" = 50' | SHEET 125 OF 125 SHEETS | STA. 900+00.00 | TO STA. 904+95.91

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	343
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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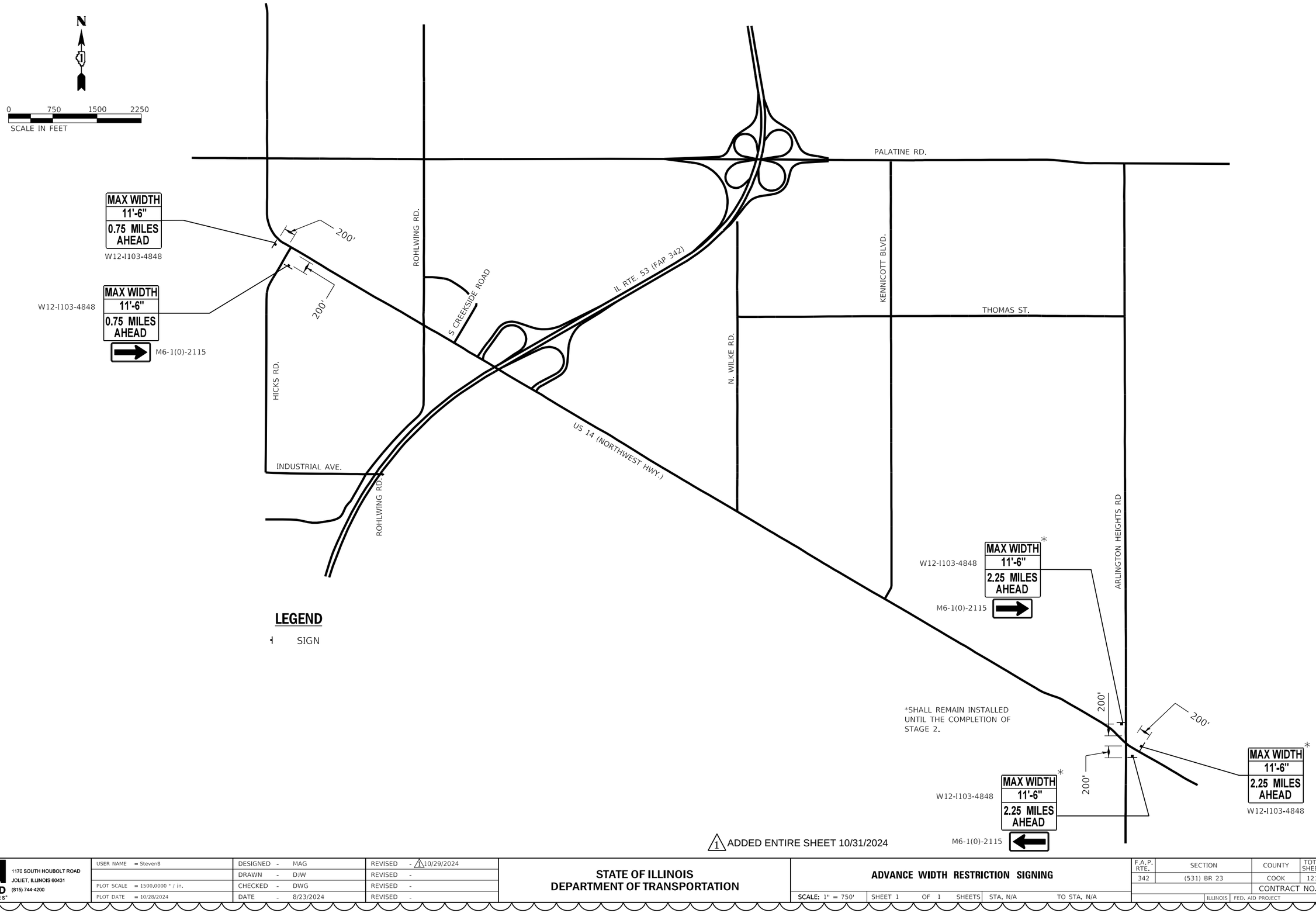

*SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF STAGE 2.

1 ADDED ENTIRE SHEET 10/31/2024

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PLOT SCALE = 1500.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

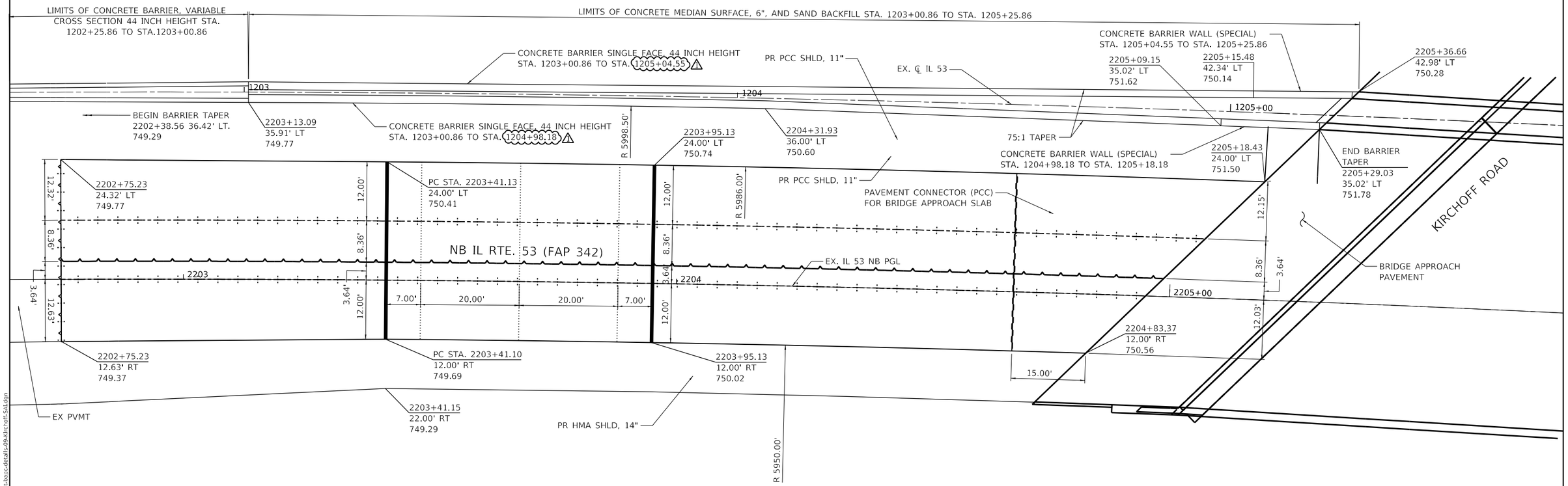
ADVANCE WIDTH RESTRICTION SIGNING

SCALE: 1" = 750' | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	343A
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

1

NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

N

0 10 20 30
SCALE IN FEET

SN #016-0376 - NB IL 53 OVER KIRCHOFF ROAD SOUTH APPROACH

NOTES:

1. SEE STANDARD BD-27 FOR ADDITIONAL MEDIAN BARRIER TRANSITION DETAILS
2. SEE STRUCTURE PLAN FOR BARRIER WALL (SPECIAL) DETAILS

⚠1 REVISED SHEET 10/31/2024

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PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 1 OF 18 SHEETS | STA. 2202+38.56 | TO STA. 2205+29.03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	396
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠

⚠ POLY HMA SC, SMA 9.5, MIX "F", N80, 2"
HMA BC, IL-19.0, N70, 12"

PC STA. 3203+23.35
12.68' LT
750.32

PC STA. 3203+92.78
12.00' LT
750.74

PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

3205+69.52
24.00' LT
751.61

3205+58.18
12.00' LT
751.33

3204+46.78
12.00' LT
750.94

EX. IL 53 NB PGL

R 6050.00'

BRIDGE APPROACH PAVEMENT

3203

2.08'

12.68'

2.00'

12.00'

7.00'

20.00'

20.00'

7.00'

3204

3205+00

2.00'

12.00'

3206

EX PVMT

9.92'

SB IL RTE. 53 (FAP 342)

10.00'

10.00'

11.72'

12.00'

12.00'

PC STA. 3203+23.35
23.72' LT
749.93

PR PCC SHLD, 11"

PC STA. 3203+92.73
24.00' RT
750.02

3204+46.78
24.00' RT
750.22

15.00'

3205+23.77
24.00' RT
750.49

KIRCHOFF ROAD

BEGIN BARRIER TAPER
3202+13.16 36.42' RT. ⚠
748.70

R 6014.00'

EX. IL 53 NB PGL

1204

1205+00

1206

END BARRIER TAPER
3205+15.06
33.02' RT
750.28 ⚠

LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

N

0 10 20 30
SCALE IN FEET

NOTES:

1. SEE NB IL 53 OVER KIRCHOFF ROAD SOUTH APPROACH FOR BARRIER DETAILS

SN #016-1121 - SB IL 53 OVER KIRCHOFF ROAD SOUTH APPROACH

⚠1 REVISED SHEET 10/31/2024

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PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 2 OF 18 SHEETS | STA. 3202+13.16 TO STA. 3205+15.06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	397
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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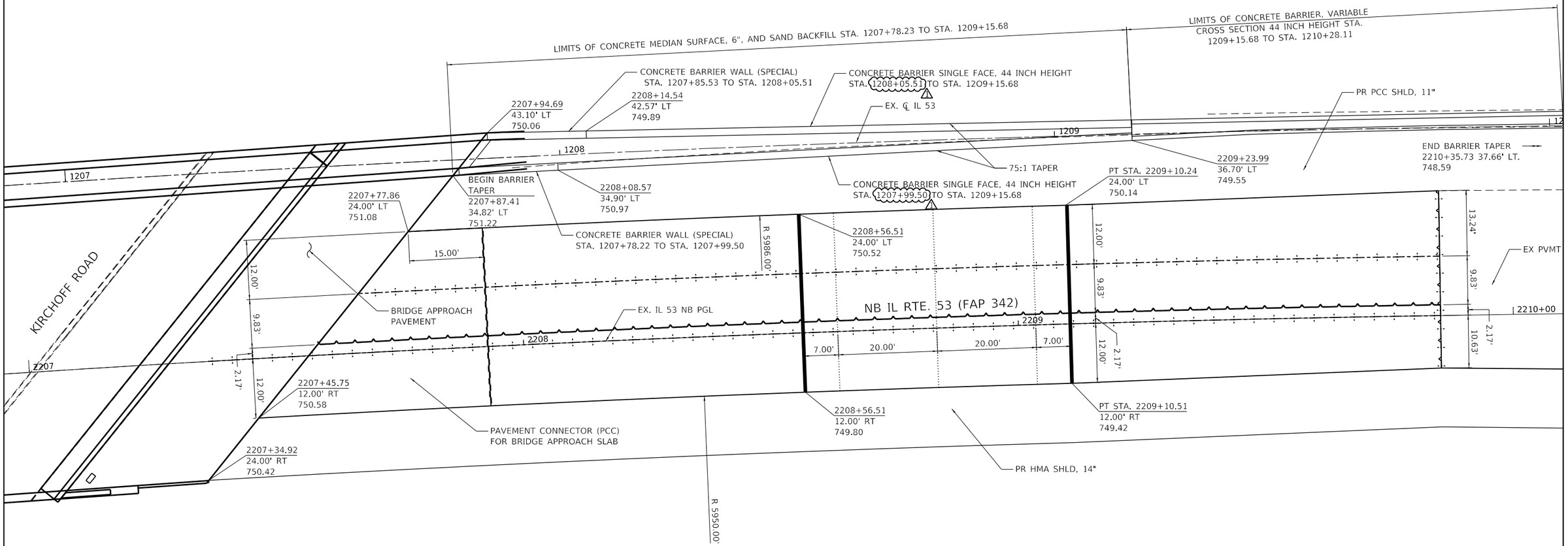
NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

0 10 20 30
SCALE IN FEET

NOTES:

1. SEE STANDARD BD-27 FOR ADDITIONAL MEDIAN BARRIER TRANSITION DETAILS
2. SEE STRUCTURE PLAN FOR BARRIER WALL (SPECIAL) DETAILS

SN #016-0376 - NB IL 53 OVER KIRCHOFF ROAD NORTH APPROACH

⚠1 REVISED SHEET 10/31/2024

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	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

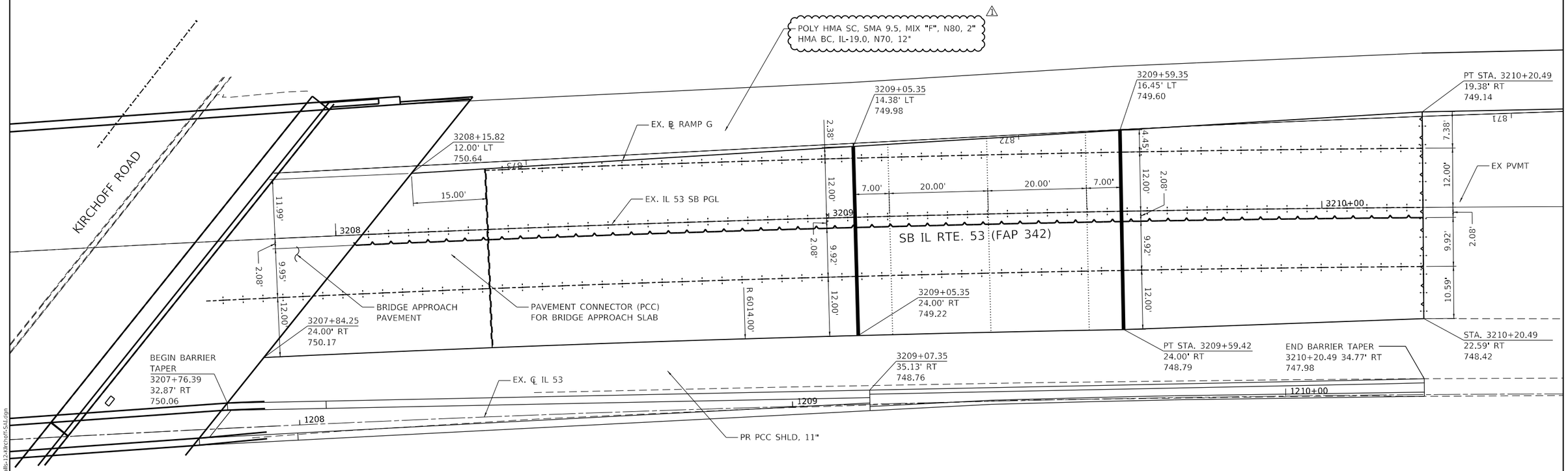
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 3 OF 18 SHEETS | STA. 2207+87.41 TO STA. 2210+35.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	398
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

N

0 10 20 30
SCALE IN FEET

NOTES:

1. SEE NB IL 53 OVER KIRCHOFF ROAD NORTH APPROACH FOR BARRIER DETAILS

SN #016-1121 - SB IL 53 OVER KIRCHOFF ROAD NORTH APPROACH

⚠1 REVISED SHEET 10/31/2024

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USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

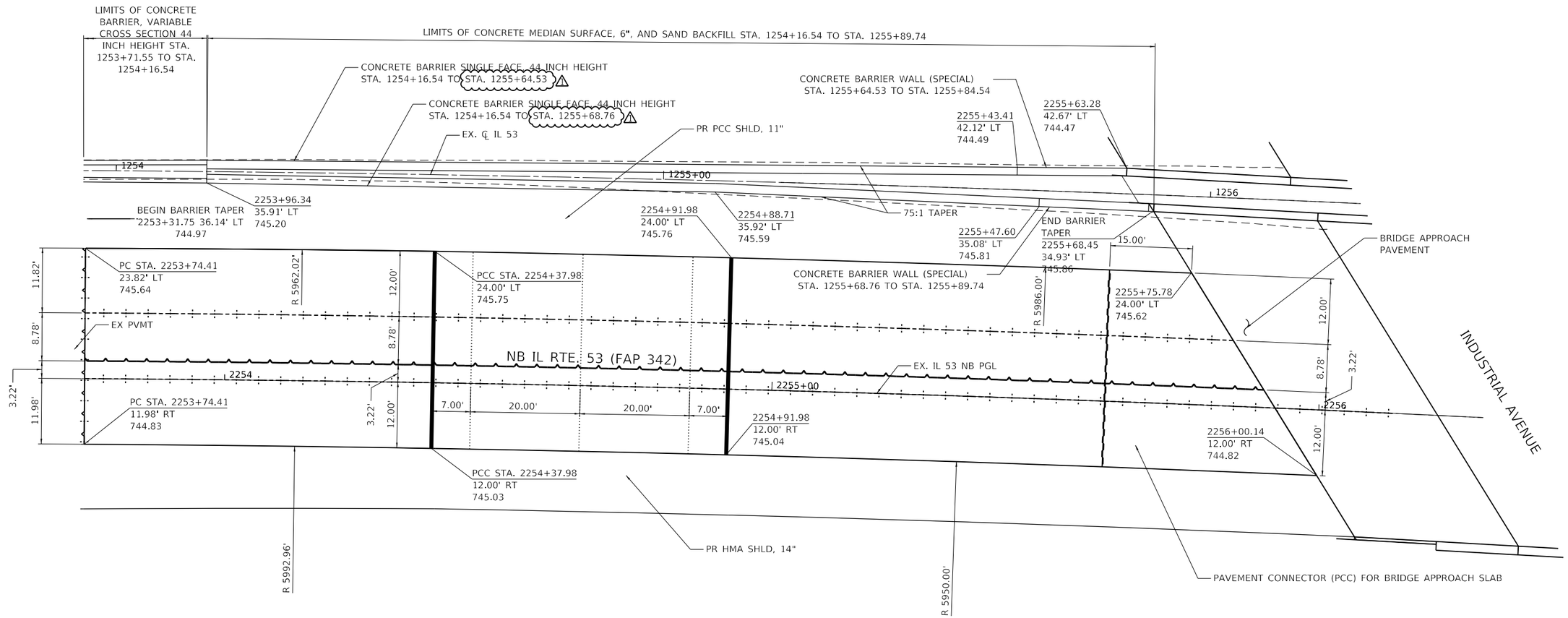
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 4 OF 18 SHEETS | STA. 3207+76.39 TO STA. 3210+20.49

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	399
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

0 10 20 30
SCALE IN FEET

SN #016-0375 - NB IL 53 OVER INDUSTRIAL AVENUE SOUTH APPROACH

NOTES:

1. SEE STANDARD BD-27 FOR ADDITIONAL MEDIAN BARRIER TRANSITION DETAILS
2. SEE STRUCTURE PLAN FOR BARRIER WALL (SPECIAL) DETAILS

1 REVISED SHEET 10/31/2024

MODEL: Default
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	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

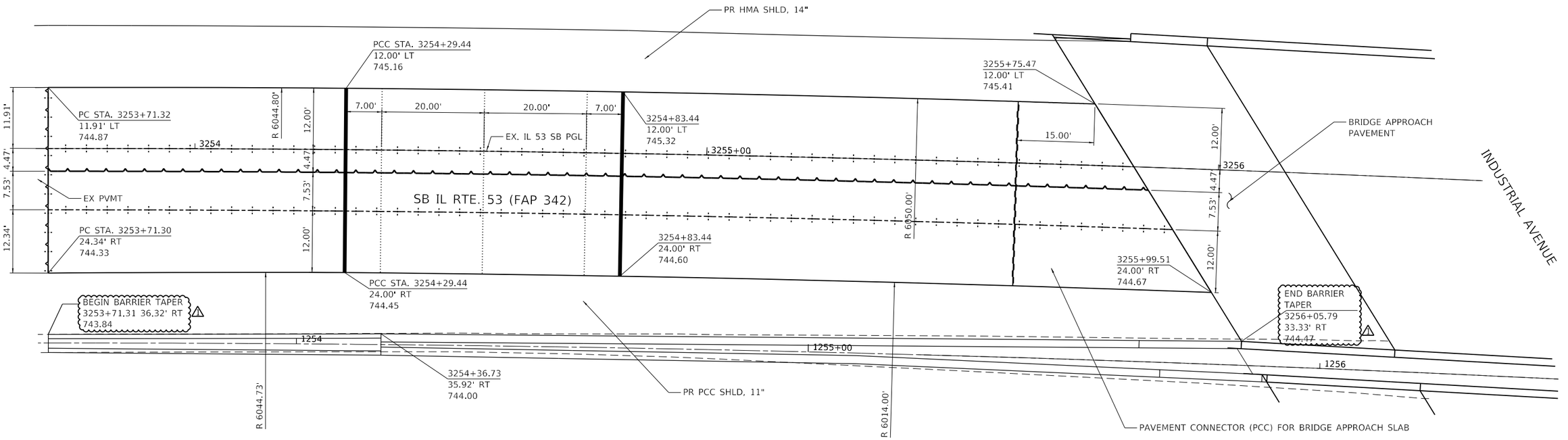
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 5 OF 18 SHEETS | STA. 2253+31.75 TO STA. 2255+68.45

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	400
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠1



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

0 10 20 30
SCALE IN FEET

NOTES:

1. SEE NB IL 53 OVER INDUSTRIAL AVENUE SOUTH APPROACH FOR BARRIER DETAILS

SN #016-1120 - SB IL 53 OVER INDUSTRIAL AVENUE SOUTH APPROACH

⚠1 REVISED SHEET 10/31/2024

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(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

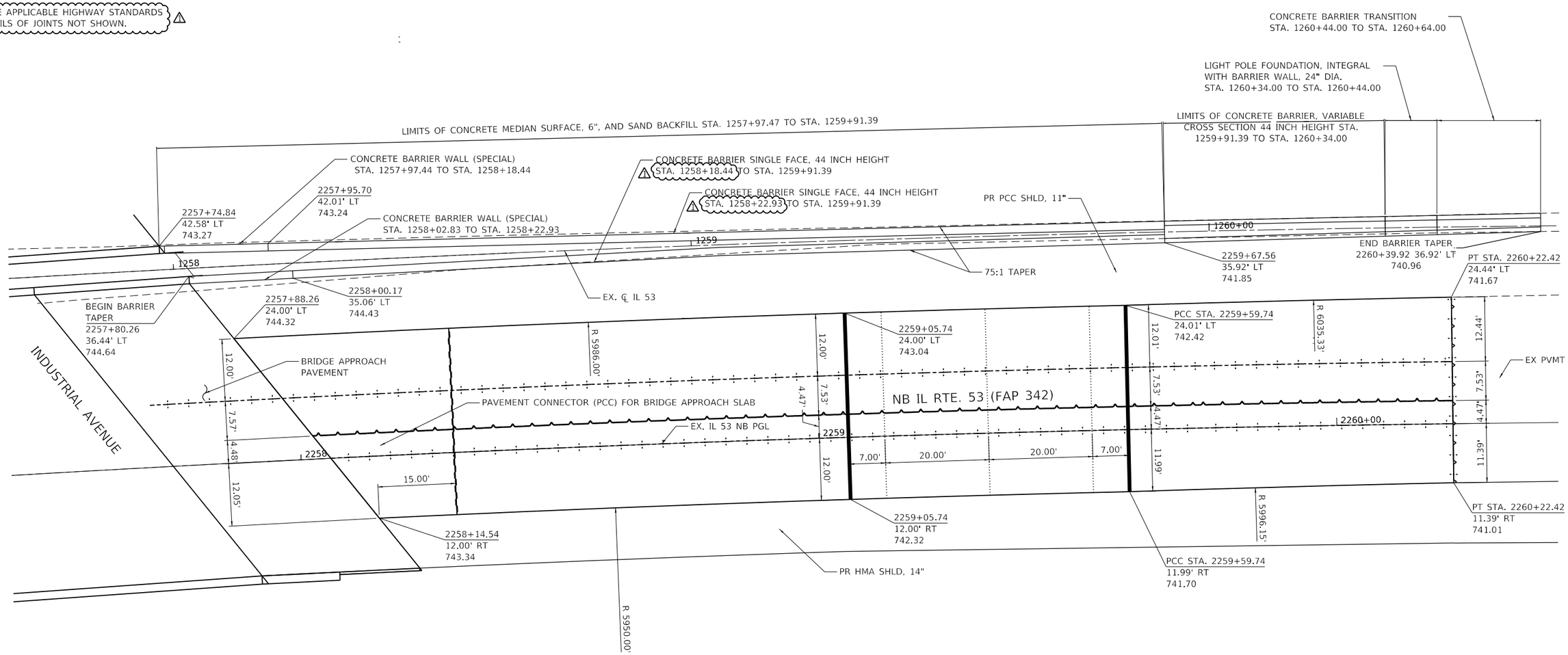
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 6 OF 18 SHEETS | STA. 3253+71.31 | TO STA. 3256+05.79

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	401
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

N

0 10 20 30
SCALE IN FEET

SN #016-0375 - NB IL 53 OVER INDUSTRIAL AVENUE NORTH APPROACH

NOTES:

1. SEE STANDARD BD-27 FOR ADDITIONAL MEDIAN BARRIER TRANSITION DETAILS
2. SEE STRUCTURE PLAN FOR BARRIER WALL (SPECIAL) DETAILS

⚠1 REVISED SHEET 10/31/2024

MODEL: Default
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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

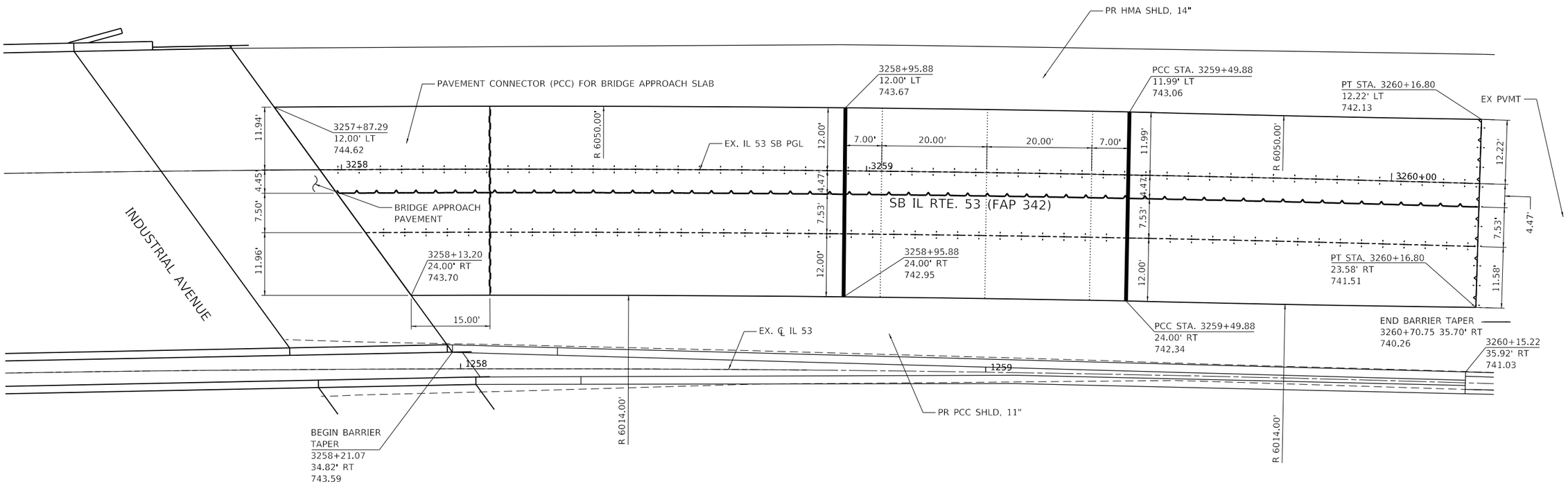
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 7 OF 18 SHEETS | STA. 1258+02.89 TO STA. 2260+22.54

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	402
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

0 10 20 30
SCALE IN FEET

NOTES:

1. SEE NB IL 53 OVER INDUSTRIAL AVENUE NORTH APPROACH FOR BARRIER DETAILS

SN #016-1120 - SB IL 53 OVER INDUSTRIAL AVENUE NORTH APPROACH

⚠1 REVISED SHEET 10/31/2024

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(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

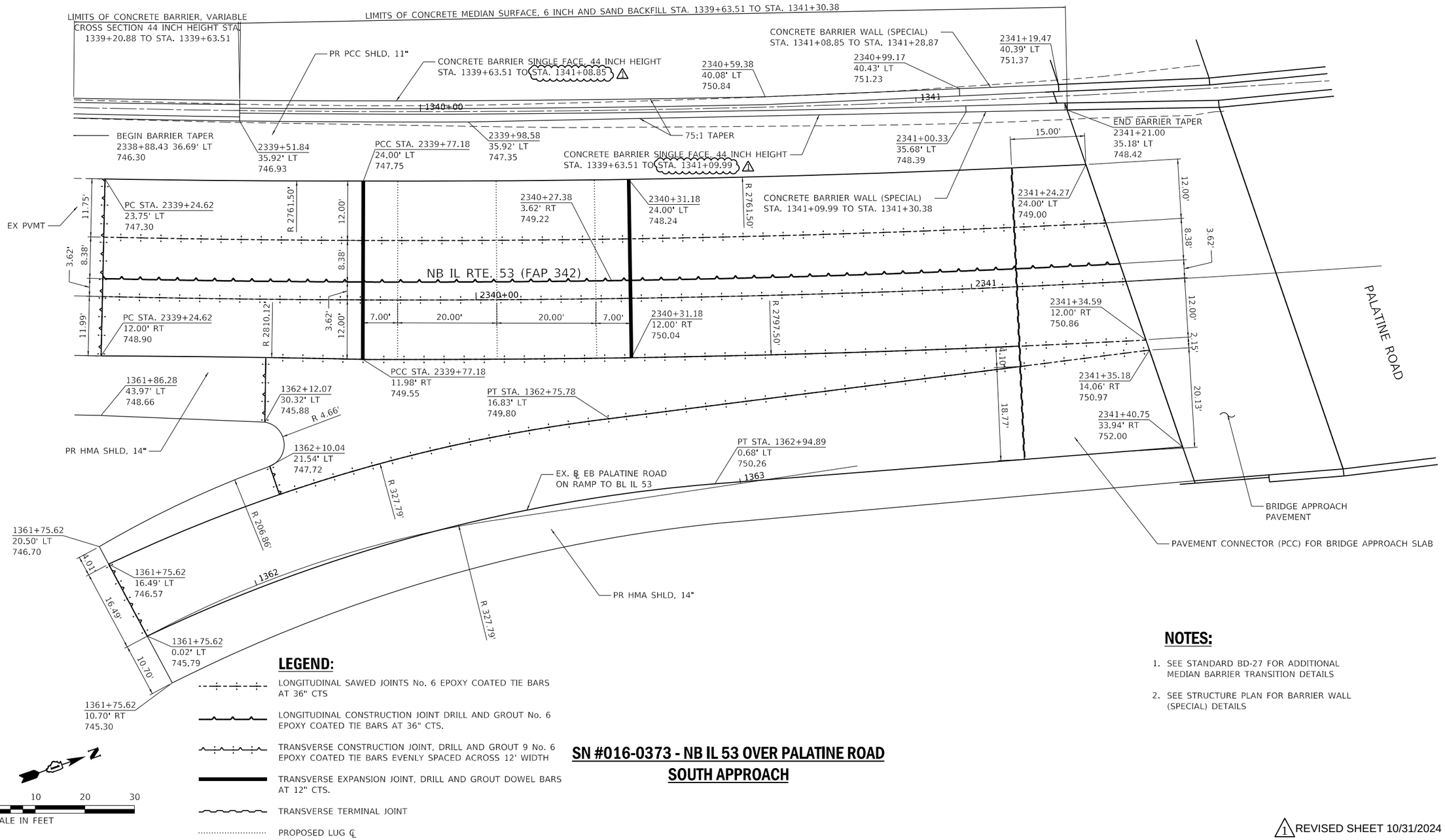
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 8 OF 18 SHEETS | STA. 3258+21.10 TO STA. 3260+15.22

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	403
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

NOTES:

1. SEE STANDARD BD-27 FOR ADDITIONAL MEDIAN BARRIER TRANSITION DETAILS
2. SEE STRUCTURE PLAN FOR BARRIER WALL (SPECIAL) DETAILS

SN #016-0373 - NB IL 53 OVER PALATINE ROAD SOUTH APPROACH

⚠1 REVISED SHEET 10/31/2024

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	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 13 OF 18 SHEETS | STA. 2338+88.43 | TO STA. 2341+21.02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	404
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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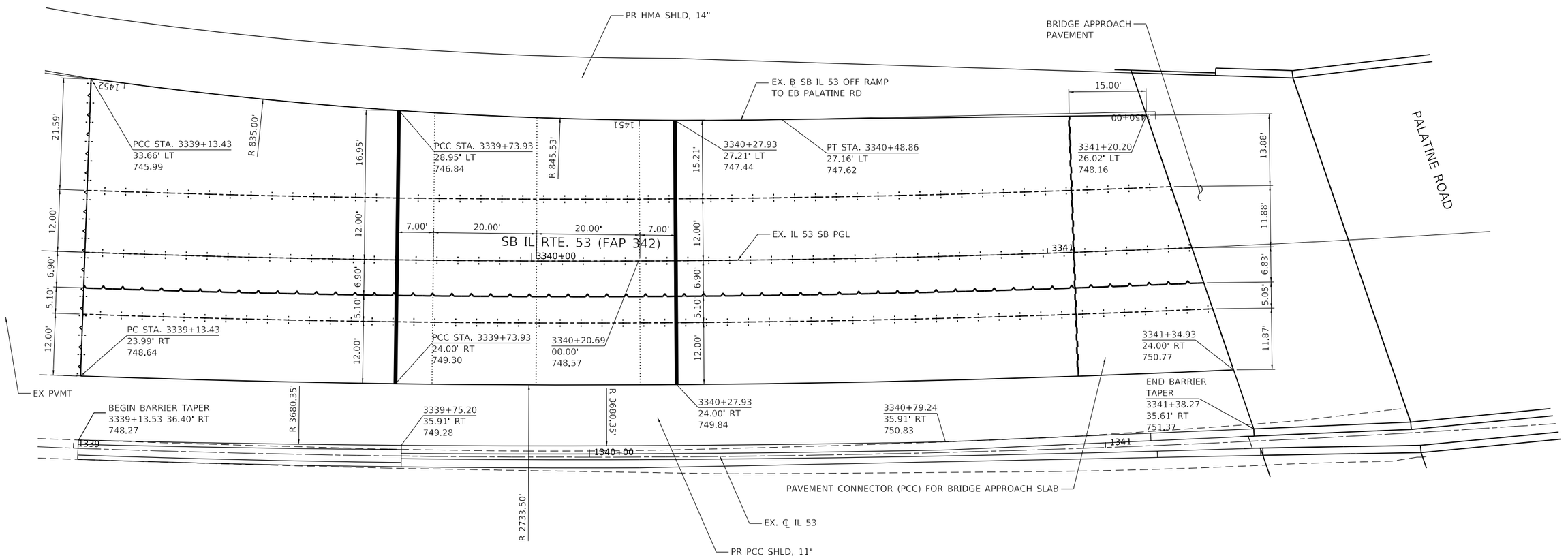
NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

0 10 20 30
SCALE IN FEET

SN #016-0970 - SB IL 53 OVER PALATINE ROAD SOUTH APPROACH

NOTES:

1. SEE NB IL 53 OVER PALATINE ROAD SOUTH APPROACH FOR BARRIER DETAILS

⚠1 REVISED SHEET 10/31/2024

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USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 14 OF 18 SHEETS | STA. 3339+13.53 TO STA. 3341+38.26

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	405
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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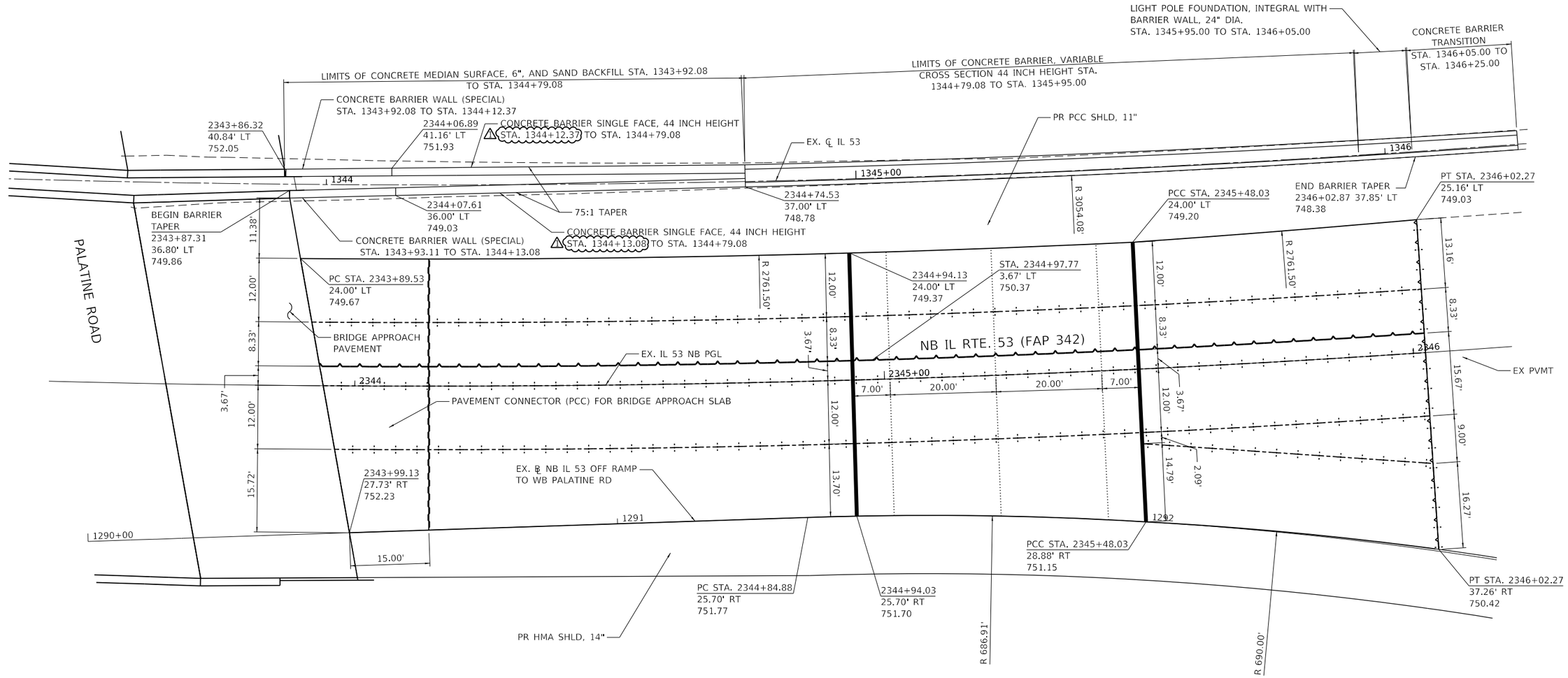
NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

0 10 20 30
SCALE IN FEET

SN #016-0373 - NB IL 53 OVER PALATINE ROAD NORTH APPROACH

NOTES:

1. SEE STANDARD BD-27 FOR ADDITIONAL MEDIAN BARRIER TRANSITION DETAILS
2. SEE STRUCTURE PLAN FOR BARRIER WALL (SPECIAL) DETAILS

⚠1 REVISED SHEET 10/31/2024

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	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

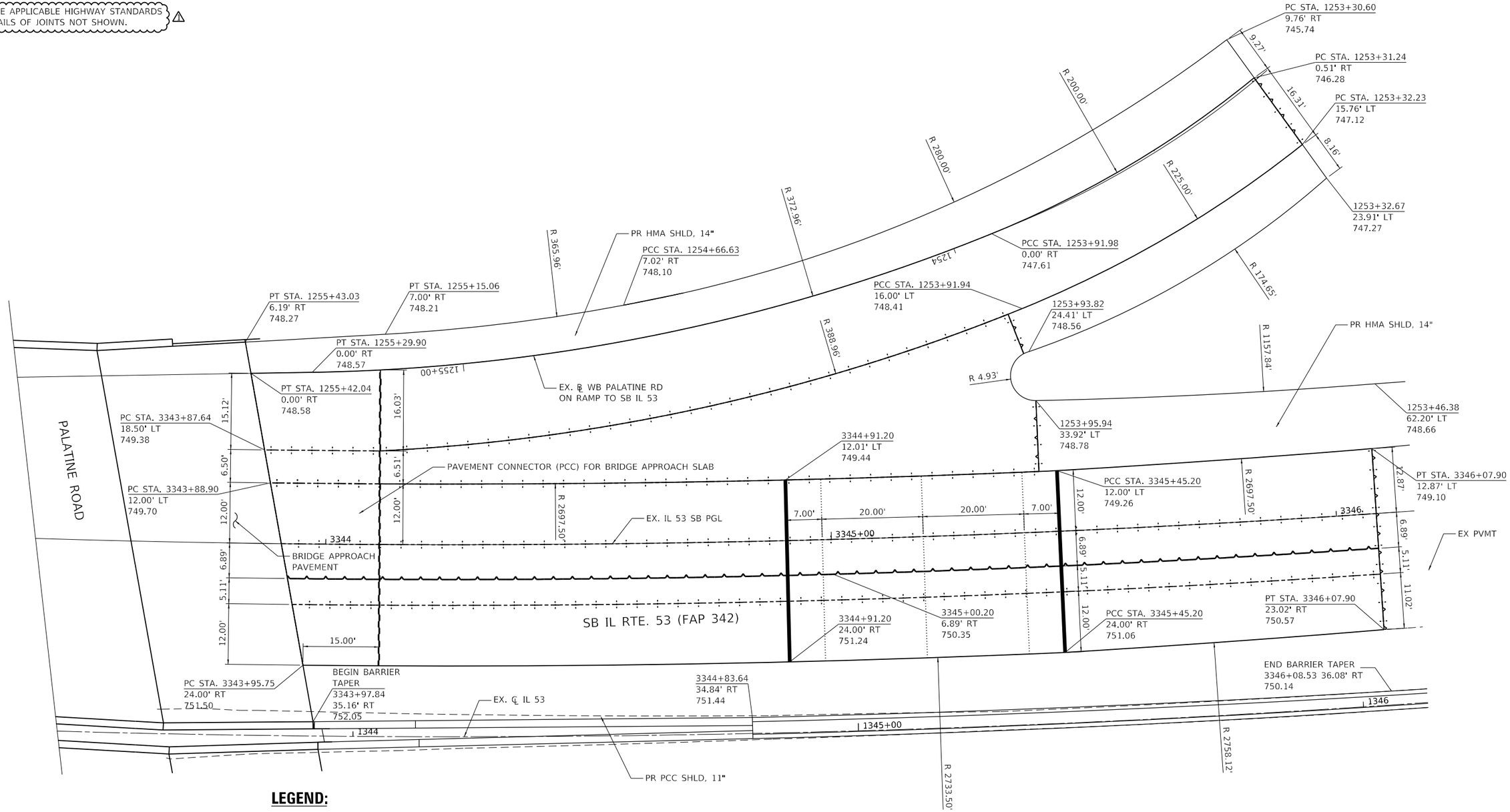
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 15 OF 18 SHEETS | STA. 2343+87.31 TO STA. 2346+02.87

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	406
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

N

0 10 20 30
SCALE IN FEET

SN #016-0970 - SB IL 53 OVER PALATINE ROAD NORTH APPROACH

NOTES:

1. SEE NB IL 53 OVER PALATINE ROAD NORTH APPROACH FOR BARRIER DETAILS

1 REVISED SHEET 10/31/2024

MODEL: Default
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	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

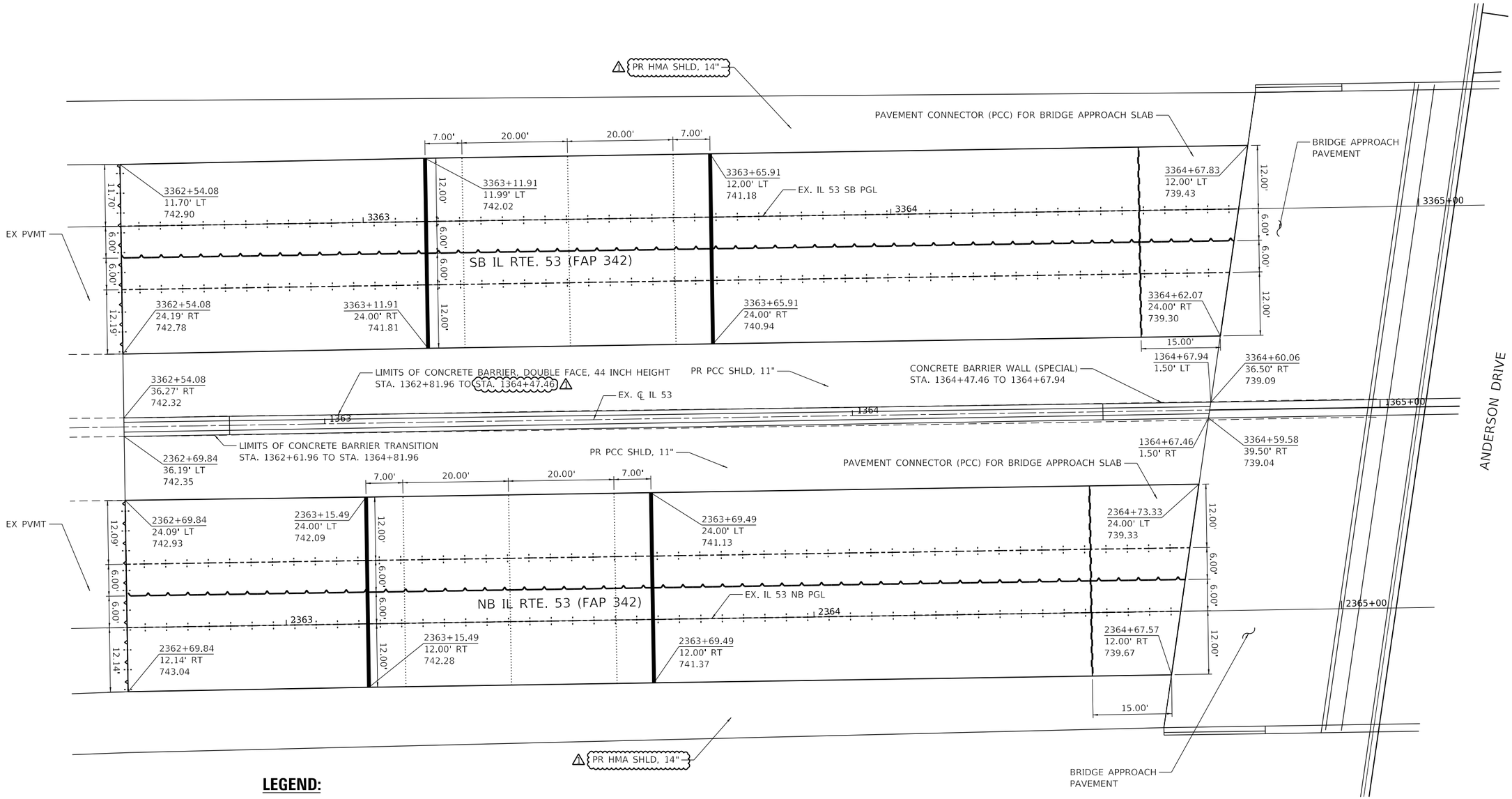
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 16 OF 18 SHEETS | STA. 3343+98.10 TO STA. 3346+08.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	407
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

N

0 10 20 30
SCALE IN FEET

SN #016-0372 - IL 53 OVER ANDERSON DRIVE SOUTH APPROACH

NOTES:

1. SEE STANDARD BD-27 FOR ADDITIONAL MEDIAN BARRIER TRANSITION DETAILS
2. SEE STRUCTURE PLAN FOR BARRIER WALL (SPECIAL) DETAILS

1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠ 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 17 OF 18 SHEETS | STA. 3362+54.08 TO STA. 3364+60.06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	408
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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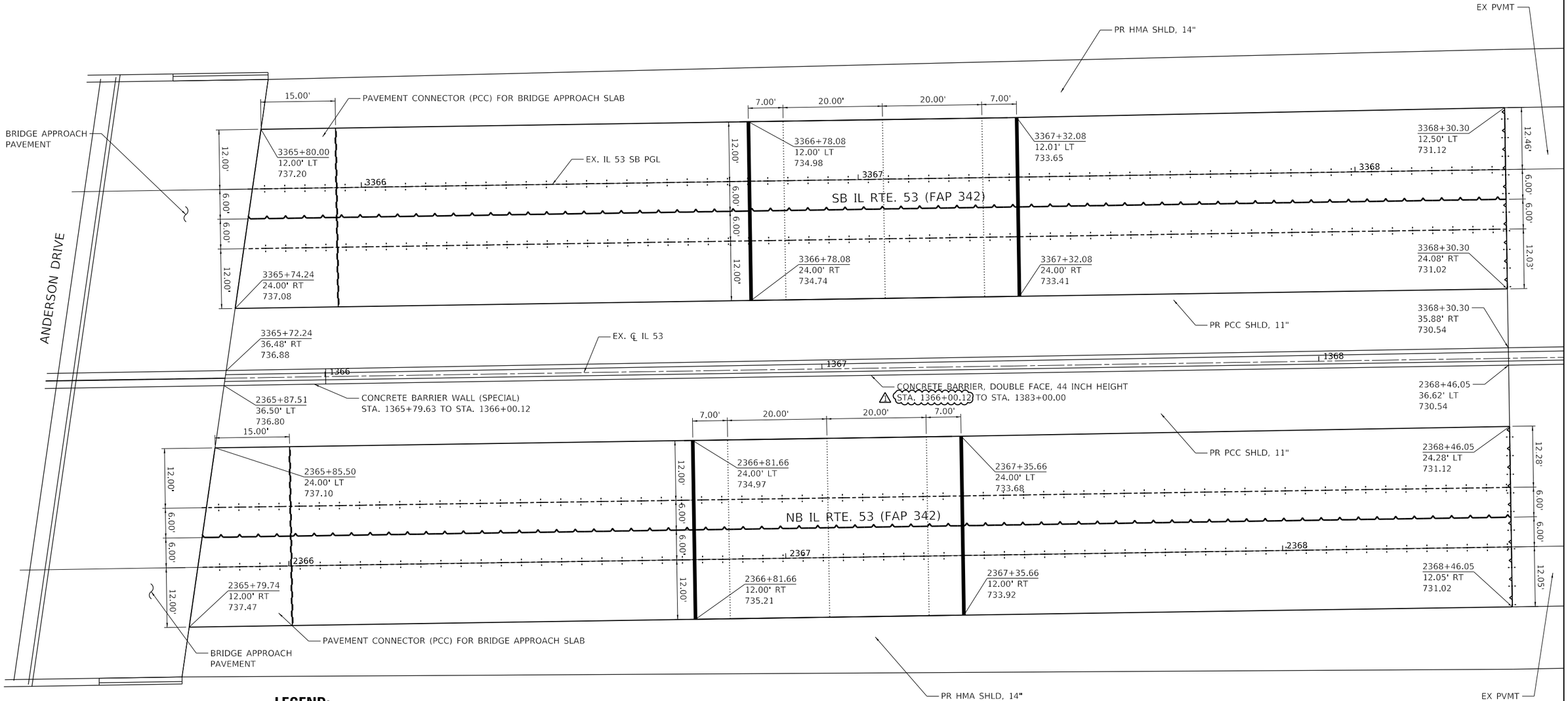
NOTE: SEE APPLICABLE HIGHWAY STANDARDS FOR DETAILS OF JOINTS NOT SHOWN. ⚠



LEGEND:

- LONGITUDINAL SAWED JOINTS No. 6 EPOXY COATED TIE BARS AT 36" CTS
- LONGITUDINAL CONSTRUCTION JOINT DRILL AND GROUT No. 6 EPOXY COATED TIE BARS AT 36" CTS.
- TRANSVERSE CONSTRUCTION JOINT, DRILL AND GROUT 9 No. 6 EPOXY COATED TIE BARS EVENLY SPACED ACROSS 12' WIDTH
- TRANSVERSE EXPANSION JOINT, DRILL AND GROUT DOWEL BARS AT 12" CTS.
- TRANSVERSE TERMINAL JOINT
- PROPOSED LUG ℄

N

0 10 20 30

SCALE IN FEET

SN #016-0372 - IL 53 OVER ANDERSON DRIVE NORTH APPROACH

NOTES:

1. SEE STANDARD BD-27 FOR ADDITIONAL MEDIAN BARRIER TRANSITION DETAILS
2. SEE STRUCTURE PLAN FOR BARRIER WALL (SPECIAL) DETAILS

⚠1 REVISED SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - ⚠1 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH DETAILS

SCALE: 1" = 10' | SHEET 18 OF 18 SHEETS | STA. 3365+72.23 TO STA. 3368+30.30

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	409
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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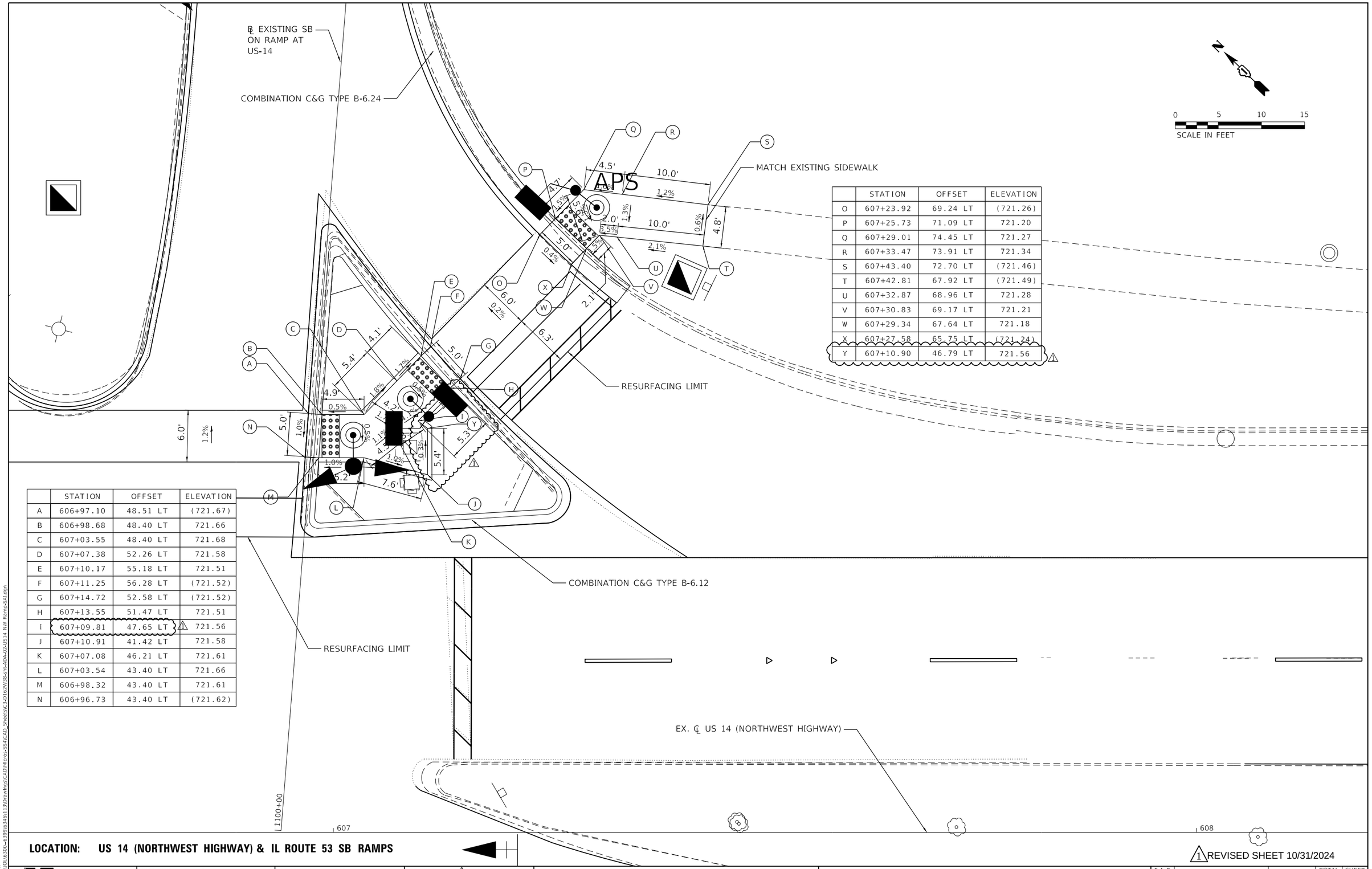

	STATION	OFFSET	ELEVATION
O	607+23.92	69.24 LT	(721.26)
P	607+25.73	71.09 LT	721.20
Q	607+29.01	74.45 LT	721.27
R	607+33.47	73.91 LT	721.34
S	607+43.40	72.70 LT	(721.46)
T	607+42.81	67.92 LT	(721.49)
U	607+32.87	68.96 LT	721.28
V	607+30.83	69.17 LT	721.21
W	607+29.34	67.64 LT	721.18
X	607+27.58	65.75 LT	(721.24)
Y	607+10.90	46.79 LT	721.56

	STATION	OFFSET	ELEVATION
A	606+97.10	48.51 LT	(721.67)
B	606+98.68	48.40 LT	721.66
C	607+03.55	48.40 LT	721.68
D	607+07.38	52.26 LT	721.58
E	607+10.17	55.18 LT	721.51
F	607+11.25	56.28 LT	(721.52)
G	607+14.72	52.58 LT	(721.52)
H	607+13.55	51.47 LT	721.51
I	607+09.81	47.65 LT	721.56
J	607+10.91	41.42 LT	721.58
K	607+07.08	46.21 LT	721.61
L	607+03.54	43.40 LT	721.66
M	606+98.32	43.40 LT	721.61
N	606+96.73	43.40 LT	(721.62)

LOCATION: US 14 (NORTHWEST HIGHWAY) & IL ROUTE 53 SB RAMPS

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 14 (NORTHWEST HIGHWAY)
CURB RAMP DETAILS

SCALE: 1" = 5' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	415
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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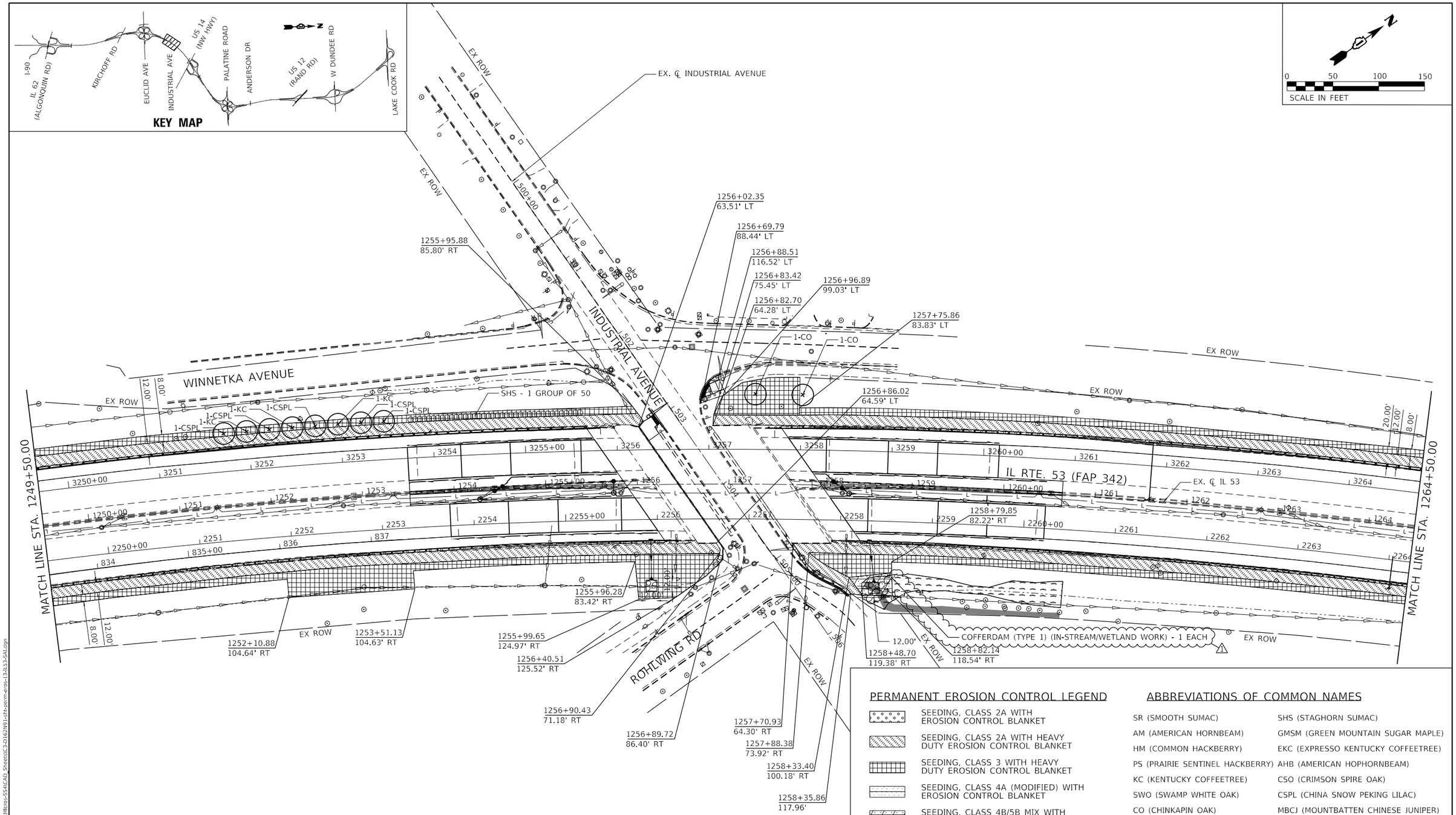

NOTES

1. ALL LANDSCAPED AREAS SHALL INCLUDE 6" OF NEW TOPSOIL UNLESS OTHERWISE NOTED. THIS WORK SHALL BE PAID FOR AS TOPSOIL FURNISH AND PLACE, 6"

2. FOR SLOPES STEEPER THAN 1:3, USE HEAVY DUTY EROSION CONTROL BLANKET.

3. SEE SHEET 495 FOR LANDSCAPING SCHEDULE

PERMANENT EROSION CONTROL LEGEND

- SEEDING, CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING, CLASS 2A WITH HEAVY DUTY EROSION CONTROL BLANKET
- SEEDING, CLASS 3 WITH HEAVY DUTY EROSION CONTROL BLANKET
- SEEDING, CLASS 4A (MODIFIED) WITH EROSION CONTROL BLANKET
- SEEDING, CLASS 4B/5B MIX WITH EROSION CONTROL BLANKET
- STONE RIPRAP, CLASS A3
- WETLANDS
- SURFACE WATERS
- PROPOSED TREE
- PROPOSED SHRUB

ABBREVIATIONS OF COMMON NAMES

SR (SMOOTH SUMAC)	SHS (STAGHORN SUMAC)
AM (AMERICAN HORNBEAM)	GMSM (GREEN MOUNTAIN SUGAR MAPLE)
HM (COMMON HACKBERRY)	EKC (EXPRESSO KENTUCKY COFFEETREE)
PS (PRAIRIE SENTINEL HACKBERRY)	AHB (AMERICAN HOPHORNBEAM)
KC (KENTUCKY COFFEETREE)	CSO (CRIMSON SPIRE OAK)
SWO (SWAMP WHITE OAK)	CSPL (CHINA SNOW PEKING LILAC)
CO (CHINKAPIN OAK)	MBCJ (MOUNTBATTEN CHINESE JUNIPER)
CBC (COMMON BALD CYPRESS)	BHS (BLACK HILLS SPRUCE)
AS (APPLE SERVICEBERRY)	SS (SERBIAN SPRUCE)
	BO (BUR OAK)

1 REVISED SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

MODEL: Default
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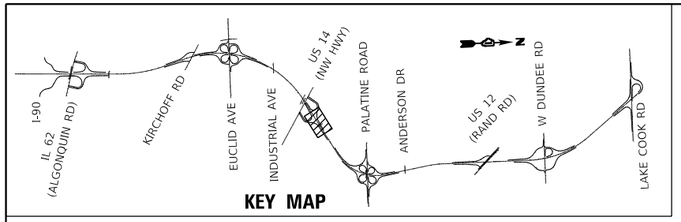
USER NAME = AlexSc	DESIGNED - MAG	REVISED 1 - 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/29/2024	DATE - 8/23/2024	REVISED -	

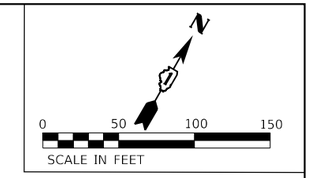
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

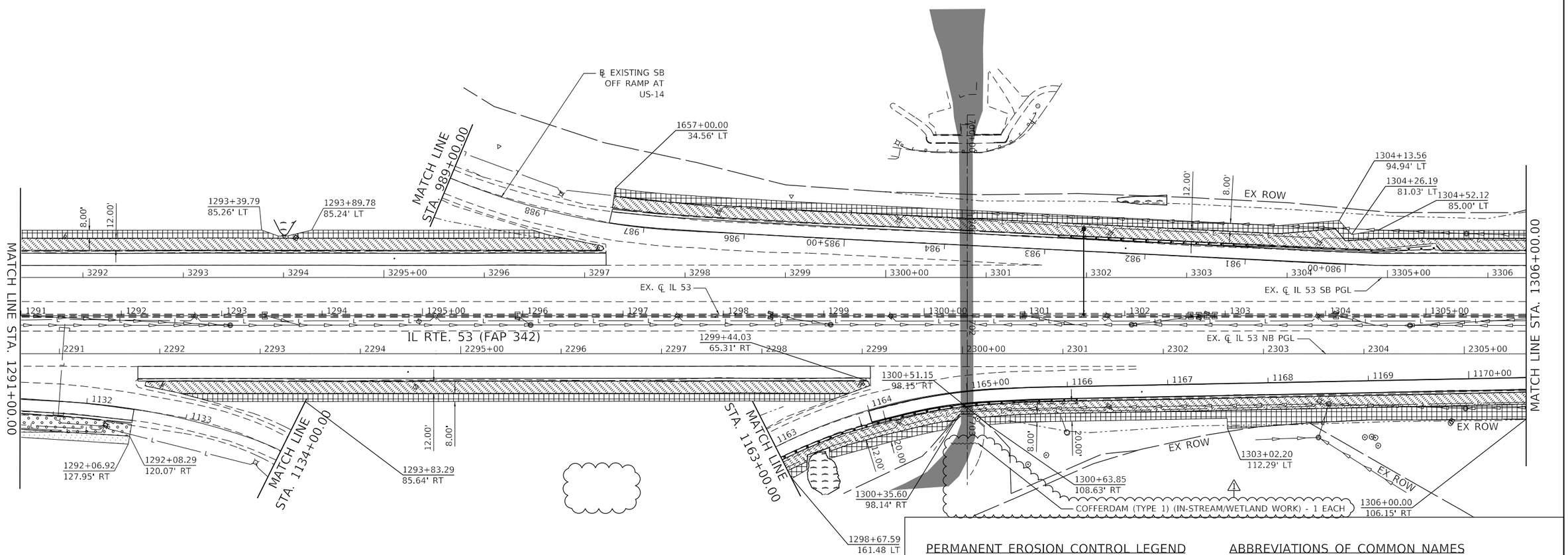
IL ROUTE 53
PERMANENT EROSION CONTROL PLAN

SCALE: 1" = 50' | SHEET 7 OF 21 SHEETS | STA. 1249+50.00 TO STA. 1264+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	481
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		







PERMANENT EROSION CONTROL LEGEND

- SEEDING, CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING, CLASS 2A WITH HEAVY DUTY EROSION CONTROL BLANKET
- SEEDING, CLASS 3 WITH HEAVY DUTY EROSION CONTROL BLANKET
- SEEDING, CLASS 4A (MODIFIED) WITH EROSION CONTROL BLANKET
- SEEDING, CLASS 4B/5B MIX WITH EROSION CONTROL BLANKET
- STONE RIPRAP, CLASS A3
- WETLANDS
- SURFACE WATERS
- PROPOSED TREE
- PROPOSED SHRUB

ABBREVIATIONS OF COMMON NAMES

SR (SMOOTH SUMAC)	SHS (STAGHORN SUMAC)
AM (AMERICAN HORNBEAM)	GMSM (GREEN MOUNTAIN SUGAR MAPLE)
HM (COMMON HACKBERRY)	EKC (EXPRESSO KENTUCKY COFFEETREE)
PS (PRAIRIE SENTINEL HACKBERRY)	AHB (AMERICAN HOPHORNBEAM)
KC (KENTUCKY COFFEETREE)	CSO (CRIMSON SPIRE OAK)
SWO (SWAMP WHITE OAK)	CSPL (CHINA SNOW PEKING LILAC)
CO (CHINKAPIN OAK)	MBCJ (MOUNTBATTEN CHINESE JUNIPER)
CBC (COMMON BALD CYPRESS)	BHS (BLACK HILLS SPRUCE)
AS (APPLE SERVICEBERRY)	SS (SERBIAN SPRUCE)
	BO (BUR OAK)

NOTES

1. ALL LANDSCAPED AREAS SHALL INCLUDE 6" OF NEW TOPSOIL UNLESS OTHERWISE NOTED. THIS WORK SHALL BE PAID FOR AS TOPSOIL FURNISH AND PLACE, 6"
2. FOR SLOPES STEEPER THAN 1:3, USE HEAVY DUTY EROSION CONTROL BLANKET.
3. SEE SHEET 495 FOR LANDSCAPING SCHEDULE

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

MODEL: Default
FILE NAME: S:\JOL\6300-6399\6346\1130\Drawings\CAD\Micros-SS4\CAD Sheets\C3-D162N91-sht-perm-eros-16-IL53-SAI.dgn

USER NAME = AlexSc	DESIGNED - MAG	REVISED 1 - 10/29/2024	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/29/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
PERMANENT EROSION CONTROL PLAN

SCALE: 1" = 50' | SHEET 10 OF 21 SHEETS | STA. 1291+00.00 TO STA. 1306+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	484
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF TRAFFIC SIGNAL QUANTITES

	ITEM	UNIT	TOTAL QUANTITY	US 14 & IL SB 53 WEST RAMPS	US 14 & IL NB 53 EAST RAMPS	IL 53 NB EXIT RAMP & KIRCHOFF	KIRCHOFF & HICKS	KIRCHOFF & FRONTAGE	INDUSTRIAL AVE & WINNETKA	INDUSTRIAL AVE & ROHLWING	US 14 & IL 53 INTERCONNECT
	SIGN PANEL - TYPE 1	SQ FT	7.5			7.5					
	SIGN PANEL - TYPE 2	SQ FT	35.0	17.5	17.5						
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2,661	1,045	579	982			55		
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	500	106	184	172			38		
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	469	186	158	109			16		
	HANDHOLE	EACH	8	3	3	2					
	HEAVY-DUTY HANDHOLE	EACH	7	2	3	2					
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	7	1	1	1	1	1	1	1	
	TRANSCEIVER - FIBER OPTIC	EACH	1		1						
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,834	956	836				42		
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,297	1,378	878				41		
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	8,479	2,471	1,939	3,879			190		
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,061	353	514	194					
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	6,791	2,641	1,780	2,370					
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	386		165	221					
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,597	554	592	430			21		
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,562								1,562
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	8	3	3	2					
	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	2		1	1					
	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1	1							
	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2	1	1						
	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1			1					
	CONCRETE FOUNDATION, TYPE A	FOOT	36	12	12	12					
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	84	24	24	36					
	DRILL EXISTING HANDHOLE	EACH	39	14	9	15			1		
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	26	9	8	9					
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	14	5	5	4					
	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3	1	1	1					
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	1	1						
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1		1						
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12	6	6						
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	27	9	9	9					
	INDUCTIVE LOOP DETECTOR	EACH	11	2	7	2					
	DETECTOR LOOP, TYPE I	FOOT	1,553	351	404	610			188		
	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1						1		
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	6	2	2	2					
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1		1						
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3,287		253	144					2,890
	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	25						25		
	REMOVE EXISTING HANDHOLE	EACH	7	1	3	2			1		
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4	1	1	1			1		
	REBUILD EXISTING HANDHOLE	EACH	3	2	1						
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	16	6	5	5					
	ROD AND CLEAN EXISTING CONDUIT	FOOT	736								736
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,347	458	209	585			95		
	OUTDOOR RATED NETWORK CABLE	FOOT	371	146	225						
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2		1	1					
	REMOTE CONTROLLED VIDEO SYSTEM	EACH	2	1	1						
	LAYER II (DATALINK) SWITCH	EACH	1	1							
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	8	3	4				1		
	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3	2					1		
	INTERCEPT EXISTING CONDUIT	EACH	2						2		
	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1		1						
	UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1		1						
	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1,562								1,562
	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1		1						
	FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	3	2	1						
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	14	6	6				2		
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	40	20	16				4		
	LED SIGNAL FACE, LENS COVER	EACH	46	16	16	14					
	CAMERA MOUNTING ASSEMBLY	EACH	2	1	1						
	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2	1	1						
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	7	1	1	1	1	1	1	1	
	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 30 FT	EACH	1			1					

*100% COST TO LOCAL AGENCY

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jaker	DESIGNED - MAG	REVISED - 1 10/29/2024
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

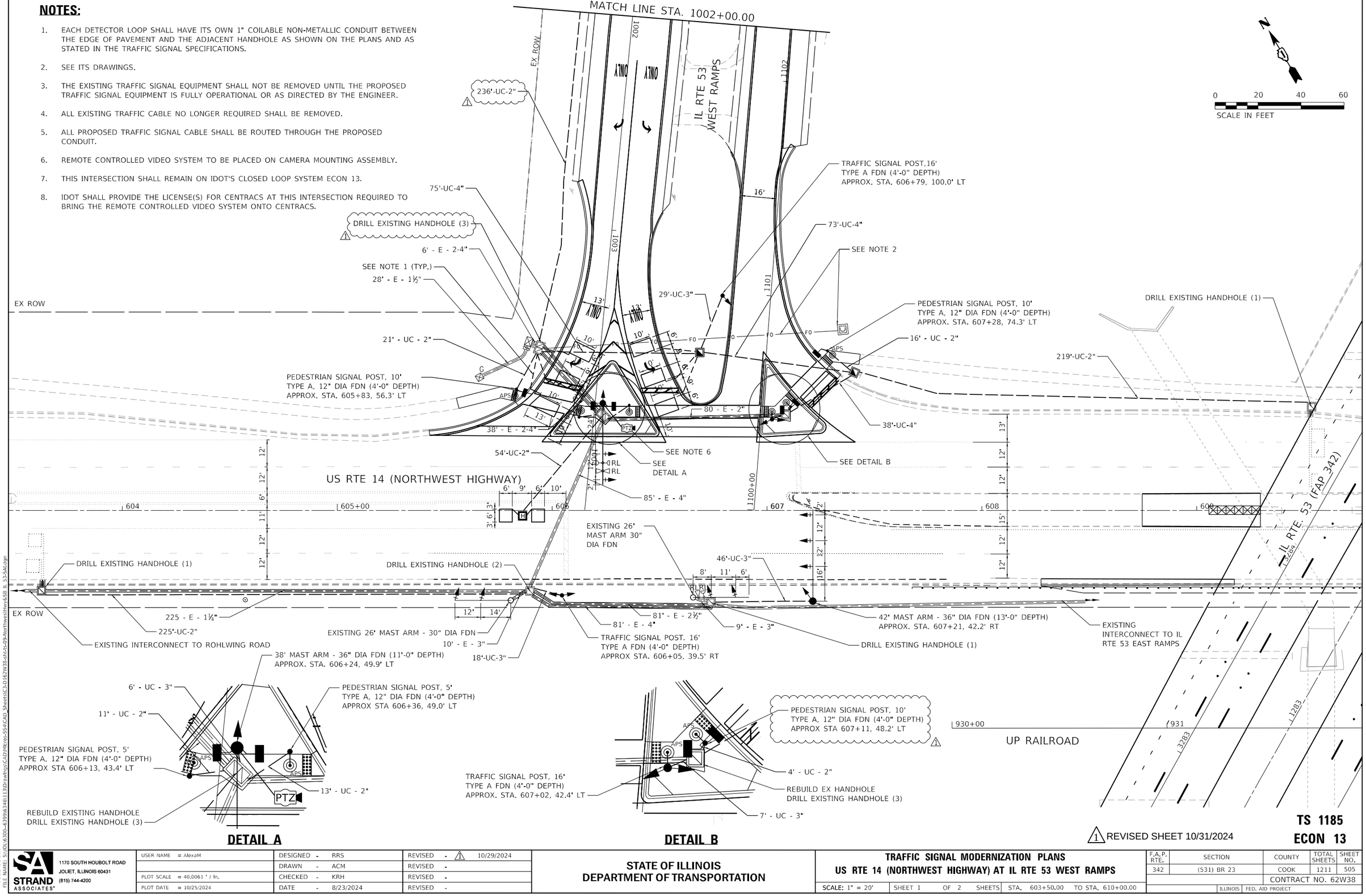
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	503
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: S:\JOL\6300-6399\6346\113D\raw\hqjs\CAD\Microstation\CAD_Sheets\C3-D162W38-sht-ts-SQQ-SAI.dgn

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. SEE ITS DRAWINGS.
3. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
4. ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.
5. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.
6. REMOTE CONTROLLED VIDEO SYSTEM TO BE PLACED ON CAMERA MOUNTING ASSEMBLY.
7. THIS INTERSECTION SHALL REMAIN ON IDOT'S CLOSED LOOP SYSTEM ECON 13.
8. IDOT SHALL PROVIDE THE LICENSE(S) FOR CENTRACS AT THIS INTERSECTION REQUIRED TO BRING THE REMOTE CONTROLLED VIDEO SYSTEM ONTO CENTRACS.



DETAIL A

DETAIL B

1 REVISED SHEET 10/31/2024

TS 1185
ECON 13

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - 1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 40.0061 ' / In.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLANS
US RTE 14 (NORTHWEST HIGHWAY) AT IL RTE 53 WEST RAMPS

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. 603+50.00 TO STA. 610+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	505
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

TS 1185

1 ADDED ENTIRE SHEET 10/31/2024 **ECON 13**

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - 1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 40.0061 ' / In.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLANS
US RTE 14 (NORTHWEST HIGHWAY) AT IL RTE 53 WEST RAMPS

SCALE: 1" = 20' | SHEET 2 OF 2 SHEETS | STA. 603+50.00 TO STA. 610+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	505A
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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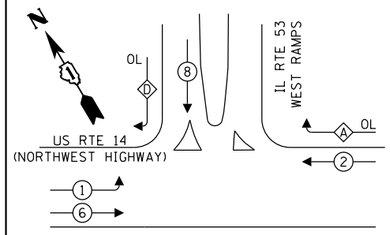
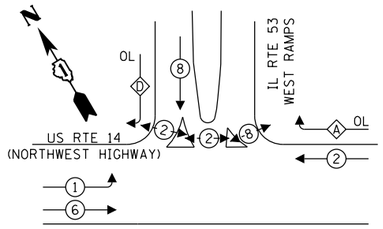
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



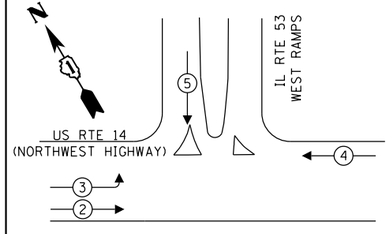
NOTE:

1. THE CONTROLLER SHALL BE PROGRAMMED WITH A PEDESTRIAN PROTECT THAT OMITS RIGHT TURN OVERLAP 'A' WHEN A PUSHBUTTON IS ACTIVATED FOR PESTRIAN PHASE 8.

LEGEND:

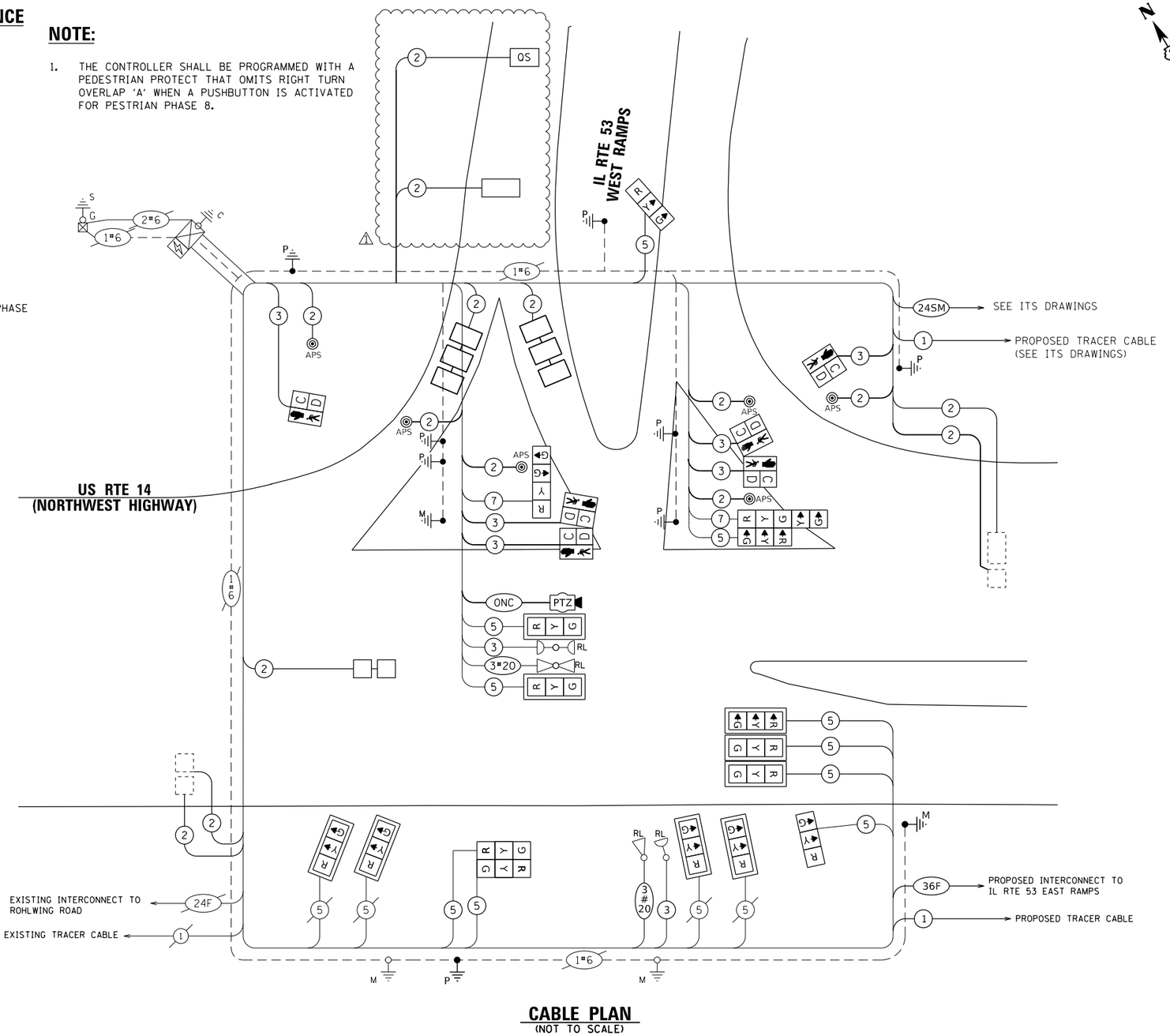
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	8
D	=	8	+	1



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	14	11	154
4 - SECTION	1	14	14
5 - SECTION	1	13	13
PROGRAMMABLE SIGNALS			
3 - SECTION		22	
4 - SECTION		32	
5 - SECTION		28	
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS	1	25	25
DETECTION RADAR		20	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM		15	
PTZ CAMERA	1	75	75
TOTAL UPS SIZING			556
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE		240	
TOTAL SERVICE WIRE SIZING			1161

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: JAMES CAMPBELL
PHONE: (630) 940-6805
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 7184835000

1 REVISED SHEET 10/31/2024

THIS INTERSECTION SHALL REMAIN ON IDOTS CLOSED LOOP SYSTEM ECON 13.

TS 1185
ECON 13

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - 1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 14 (NORTHWEST HWY) AT IL RTE 53 WEST RAMPS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	506
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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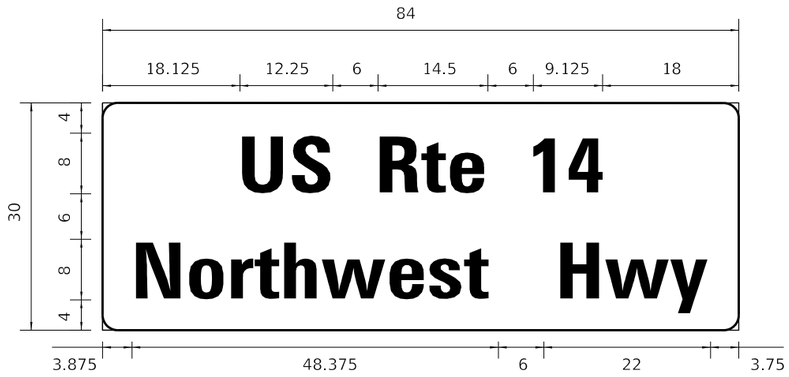
SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	17.5	2	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY	
	SIGN PANEL - TYPE 2	SQ FT	17.5	
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,045	1
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	106	
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	186	
	HANDHOLE	EACH	3	1
	HEAVY-DUTY HANDHOLE	EACH	2	1
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	956	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,378	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,471	
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	353	
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,641	1
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	554	
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	
	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1	
	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	
	CONCRETE FOUNDATION, TYPE A	FOOT	12	
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24	
	DRILL EXISTING HANDHOLE	EACH	14	1
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9	
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	
	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1	
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6	
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9	
	INDUCTIVE LOOP DETECTOR	EACH	2	
	DETECTOR LOOP, TYPE I	FOOT	351	1
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2	
	REMOVE EXISTING HANDHOLE	EACH	1	
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
	REBUILD EXISTING HANDHOLE	EACH	2	
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6	
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	458	
	OUTDOOR RATED NETWORK CABLE	FOOT	146	
	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1	
	LAYER II (DATALINK) SWITCH	EACH	1	
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3	
	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2	
	FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	2	
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6	
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20	
	LED SIGNAL FACE, LENS COVER	EACH	16	
	CAMERA MOUNTING ASSEMBLY	EACH	1	
	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	

*100% COST TO THE VILLAGE OF PALATINE

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - 1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
US RTE 14 (NORTHWEST HWY) AT IL RTE 53 WEST RAMPS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	507
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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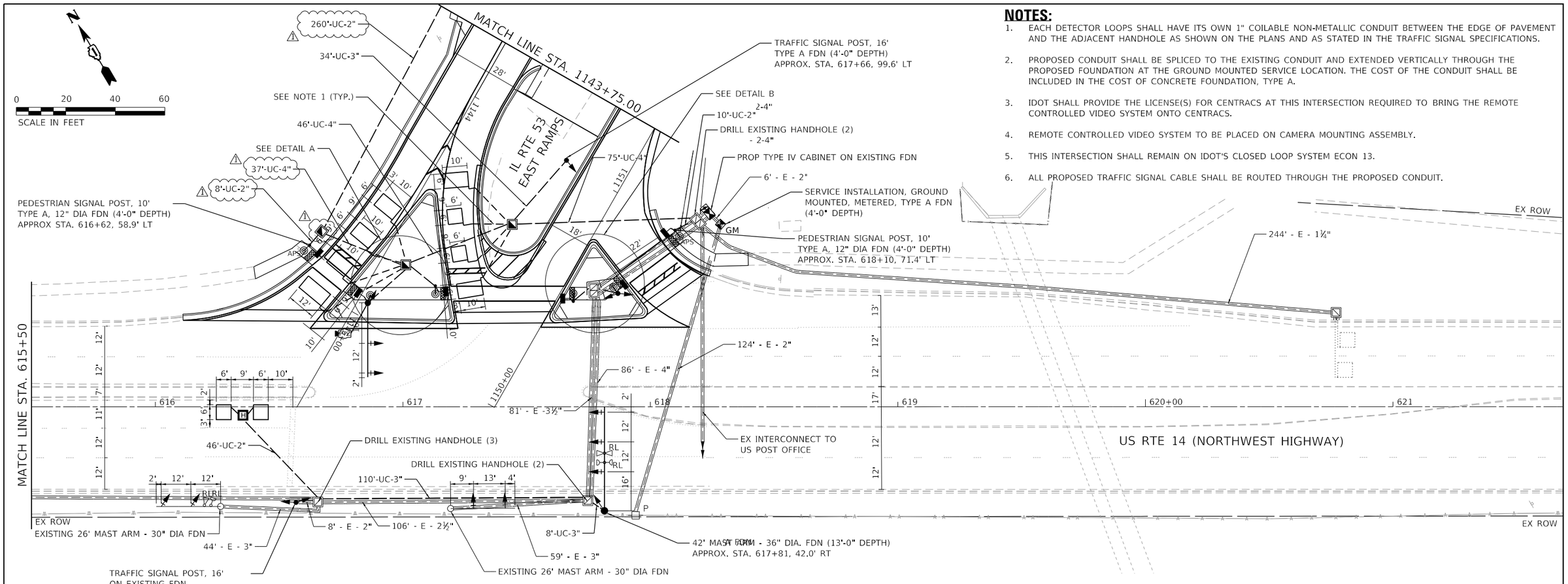
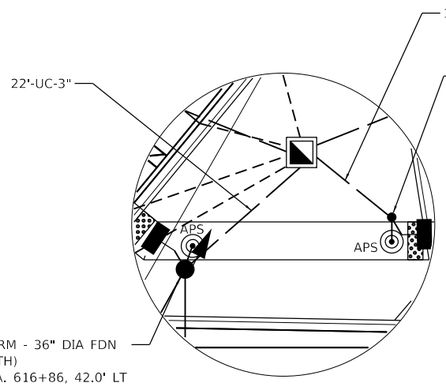
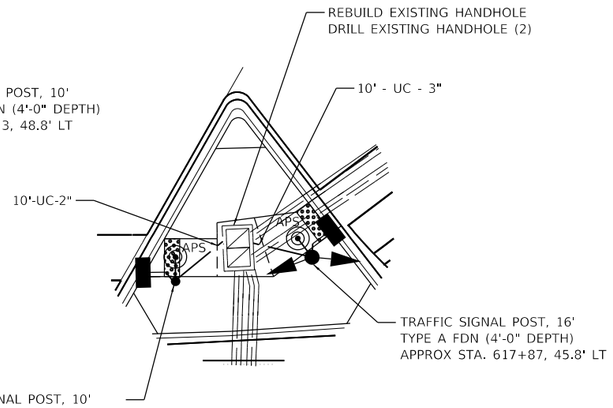


NOTES:

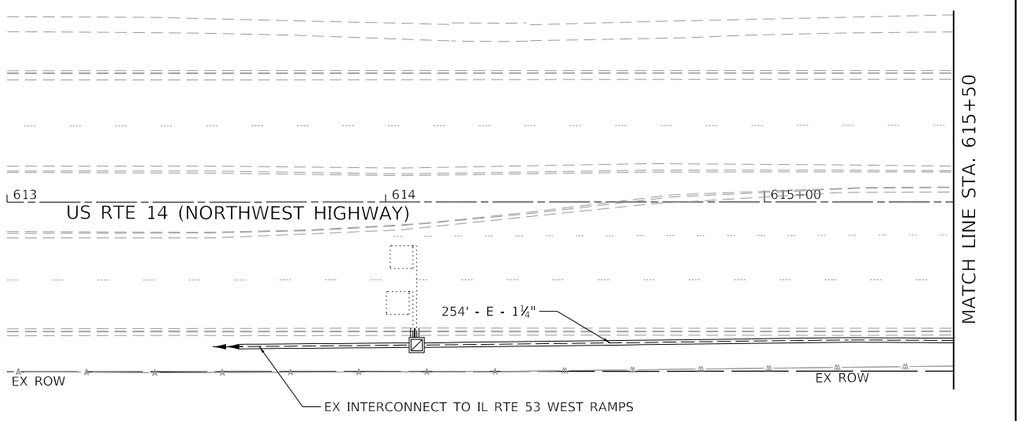
1. EACH DETECTOR LOOPS SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. PROPOSED CONDUIT SHALL BE SPLICED TO THE EXISTING CONDUIT AND EXTENDED VERTICALLY THROUGH THE PROPOSED FOUNDATION AT THE GROUND MOUNTED SERVICE LOCATION. THE COST OF THE CONDUIT SHALL BE INCLUDED IN THE COST OF CONCRETE FOUNDATION, TYPE A.
3. IDOT SHALL PROVIDE THE LICENSE(S) FOR CENTRACS AT THIS INTERSECTION REQUIRED TO BRING THE REMOTE CONTROLLED VIDEO SYSTEM ONTO CENTRACS.
4. REMOTE CONTROLLED VIDEO SYSTEM TO BE PLACED ON CAMERA MOUNTING ASSEMBLY.
5. THIS INTERSECTION SHALL REMAIN ON IDOT'S CLOSED LOOP SYSTEM ECON 13.
6. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.



DETAIL A



DETAIL B



1 REVISED SHEET 10/31/2024

TS 1180
ECON 13

MODEL: Default
FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micros-SSA\CAD Sheets\C3-D162W38-sht-ts-04-NorthwestHwy&NB IL 53-SA.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

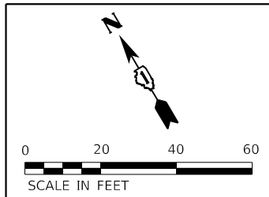
USER NAME = AlexaM	DESIGNED - RRS	REVISED - 1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

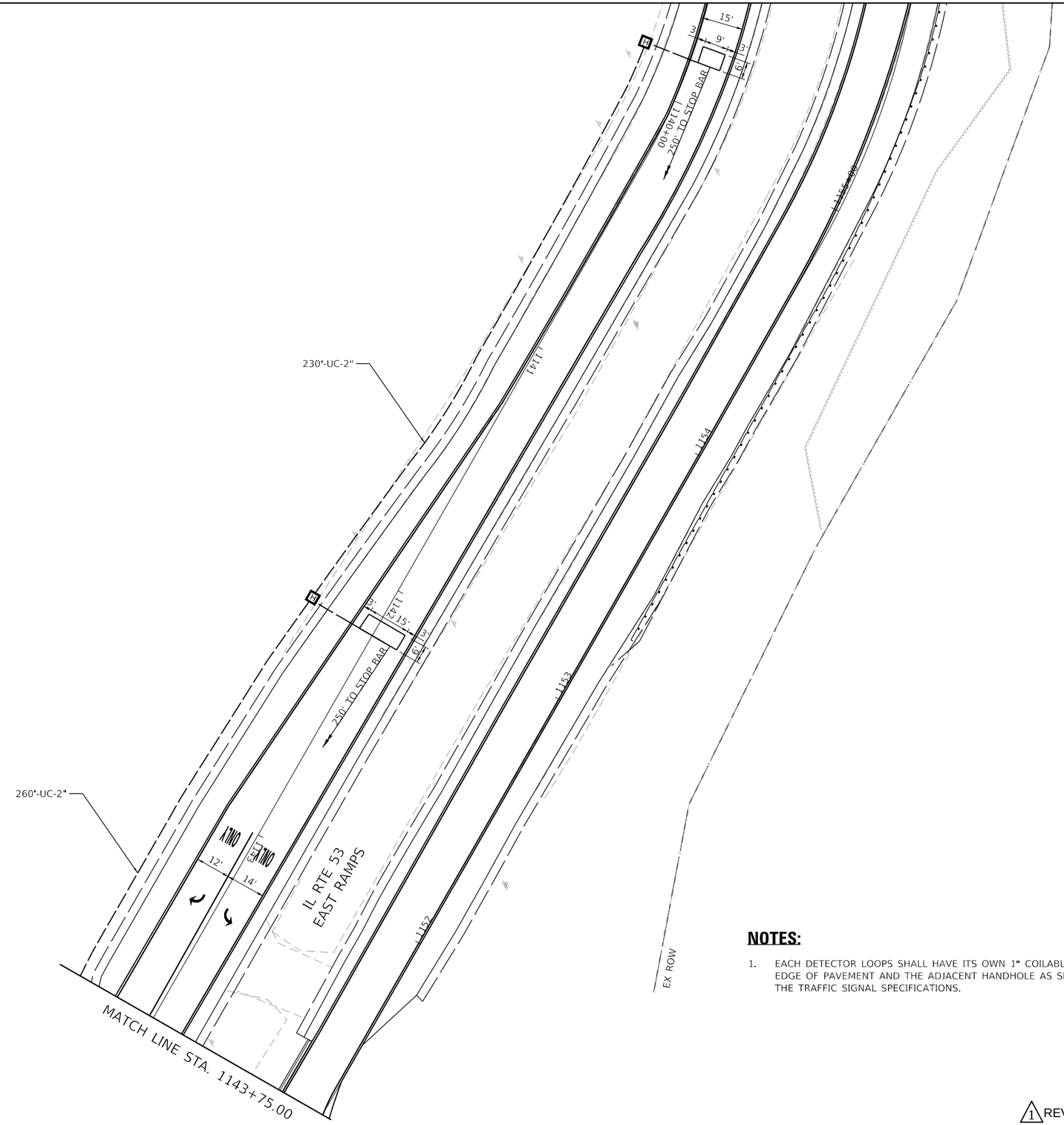
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLANS
US RTE 14 (NORTHWEST HIGHWAY) AT IL RTE 53 EAST RAMPS

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	509
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	





NOTES:

1. EACH DETECTOR LOOPS SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

TS 1180

ECON 13

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - 1 10/29/2024
	DRAWN - ACM	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - KRH	REVISED -
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLANS
US RTE 14 (NORTHWEST HIGHWAY) AT IL RTE 53 EAST RAMPS

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	509A
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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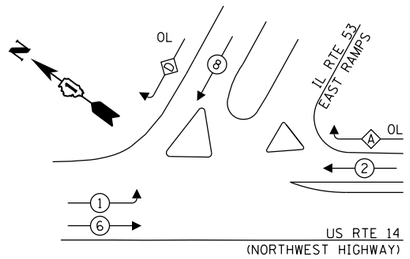
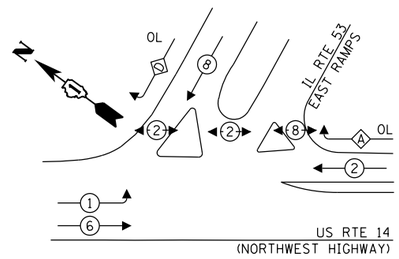
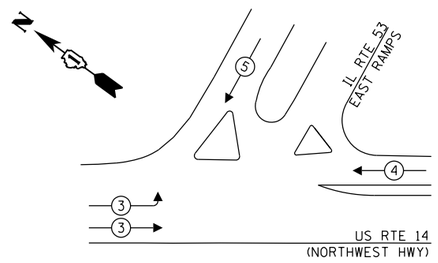
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

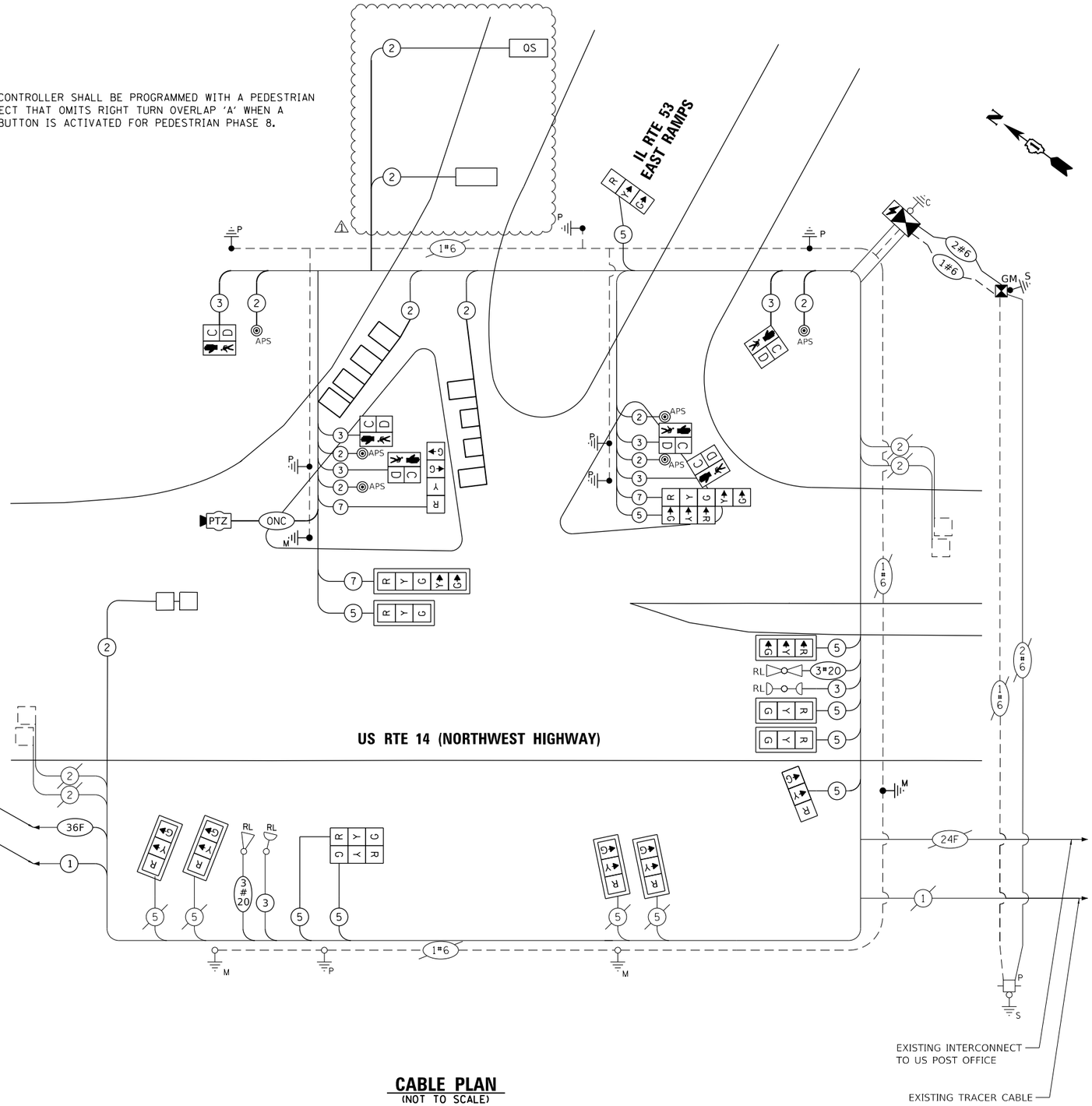
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	8
D	=	8	+	1

NOTE:

1. THE CONTROLLER SHALL BE PROGRAMMED WITH A PEDESTRIAN PROTECT THAT OMITS RIGHT TURN OVERLAP 'A' WHEN A PUSHBUTTON IS ACTIVATED FOR PEDESTRIAN PHASE 8.



CABLE PLAN
(NOT TO SCALE)

1 REVISED SHEET 10/31/2024

THIS INTERSECTION SHALL REMAIN ON IDOT'S CLOSED LOOP SYSTEM ECON 13.

TS 1180
ECON 13

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	13	11	143
4 - SECTION	1	14	14
5 - SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3 - SECTION		22	
4 - SECTION		32	
5 - SECTION		28	
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS	1	25	25
DETECTION RADAR		20	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
PTZ CAMERA	1	75	75
TOTAL UPS SIZING			523
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE		240	
TOTAL SERVICE WIRE SIZING			1128

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: JAMES CAMPBELL
PHONE: (630) 940-6805
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 7184835000

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - 1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 14 (NORTHWEST HWY) AT IL RTE 53 EAST RAMPS

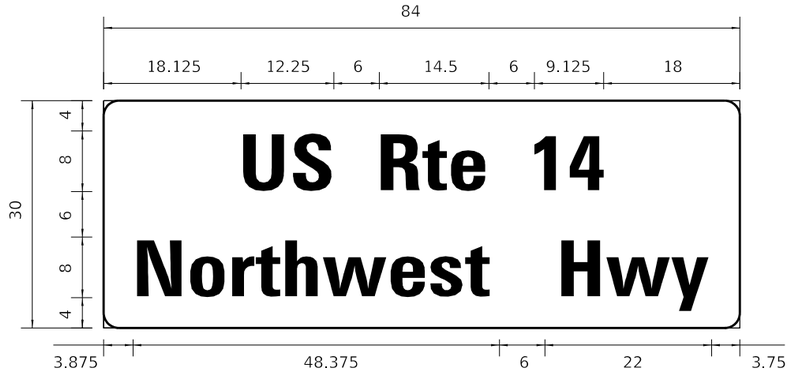
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	510
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: S:\IDL\62300-63996\346\113\Drawings\CAD\Microstation\CAD Sheets\C3-162W38-std-t-d5-Cable-Plan--Northwest Hwy&NB IL 53-SA1.dgn

SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	17.5	2	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY	
	SIGN PANEL - TYPE 2	SQ FT	17.5	
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	579	1
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	184	
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	158	1
	HANDHOLE	EACH	3	1
	HEAVY-DUTY HANDHOLE	EACH	3	1
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	
	TRANSCEIVER - FIBER OPTIC	EACH	1	
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	836	
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	878	
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,939	
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	514	
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,780	1
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	165	
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	592	
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	
	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1	
	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	
	CONCRETE FOUNDATION, TYPE A	FOOT	12	
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24	
	DRILL EXISTING HANDHOLE	EACH	9	
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8	
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	
	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1	
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1	
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6	
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9	
	INDUCTIVE LOOP DETECTOR	EACH	7	
	DETECTOR LOOP, TYPE I	FOOT	404	1
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2	
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1	
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	253	
	REMOVE EXISTING HANDHOLE	EACH	3	
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
	REBUILD EXISTING HANDHOLE	EACH	1	
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5	
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	209	
	OUTDOOR RATED NETWORK CABLE	FOOT	225	
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	
	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1	
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4	
	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1	
	UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1	
	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1	
	FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1	
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6	
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16	
	LED SIGNAL FACE, LENS COVER	EACH	16	
	CAMERA MOUNTING ASSEMBLY	EACH	1	
	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	

*100% COST TO THE VILLAGE OF PALATINE

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES US RTE 14 (NORTHWEST HWY) AT IL RTE 53 EAST RAMPS
	DRAWN - ACM	REVISED -		
PLOT SCALE = 20.0000 ' / in.	CHECKED - KRH	REVISED -		SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	511
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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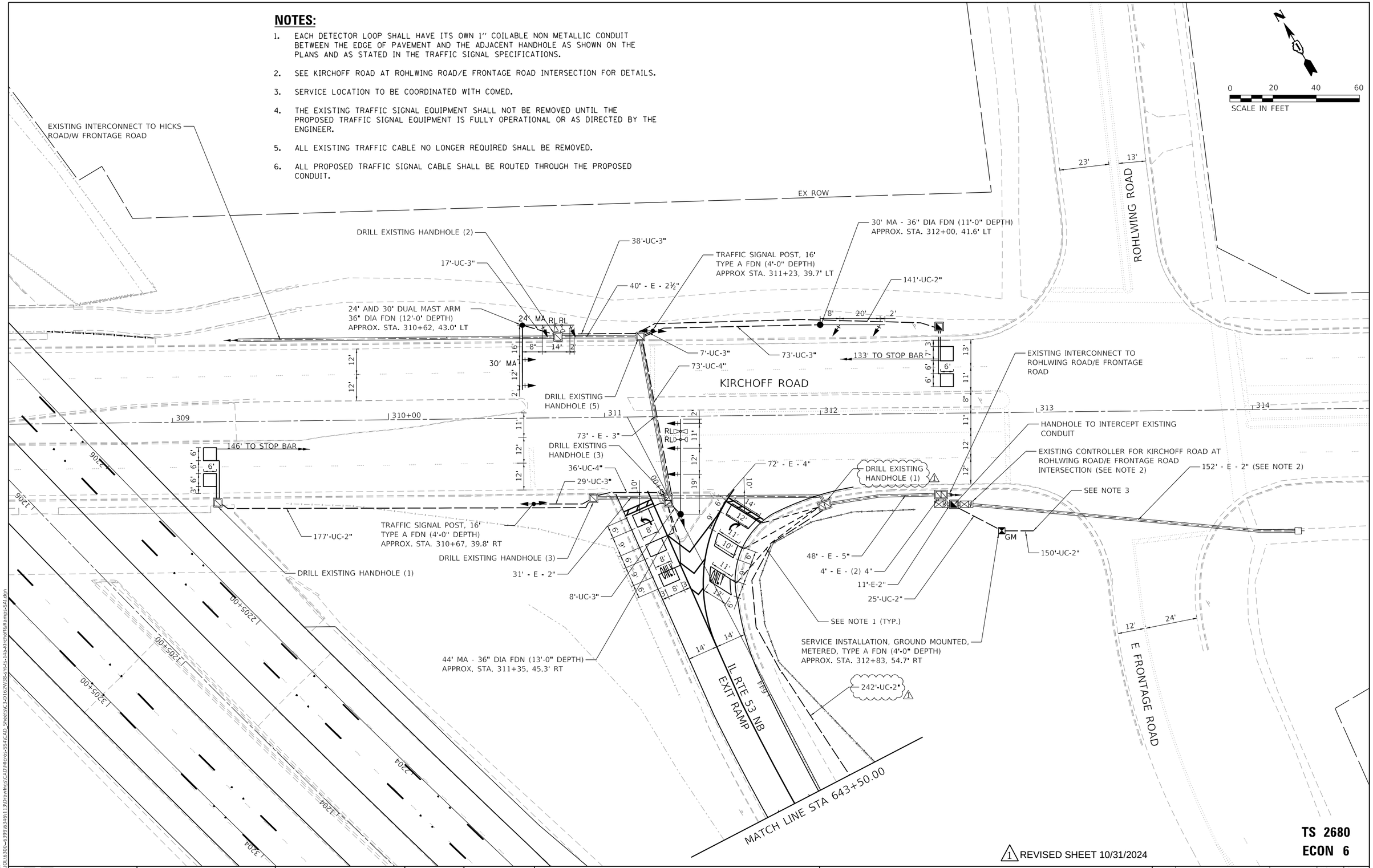
NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1'' COILABLE NON METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. SEE KIRCHOFF ROAD AT ROHLWING ROAD/E FRONTAGE ROAD INTERSECTION FOR DETAILS.
3. SERVICE LOCATION TO BE COORDINATED WITH COMED.
4. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
5. ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.
6. ALL PROPOSED TRAFFIC SIGNAL CABLE SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT.



1 REVISED SHEET 10/31/2024

TS 2680
ECON 6

MODEL: Default
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PLOT SCALE = 40.0000 ' / in.	CHECKED - KRH	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLANS
KIRCHOFF ROAD AT IL RTE 53 NB EXIT RAMP

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	513
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

NOTES:

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2. FAR BACK AND QUEUE DETECTION LOOPS SHALL BE INSTALLED PRIOR TO CLOSURE OF IL 53 NORTHBOUND EXIT RAMP TO IL 62 (ALGONQUIN ROAD) IN CONTRACT 62N91. NEW FAR BACK AND QUEUE DETECTION LOOPS SHALL BE INSTALLED AFTER MILLING AND RESURFACING OF IL 53 NORTHBOUND EXIT RAMP TO KIRCHOFF ROAD INCLUDED IN THIS CONTRACT.

N

0 20 40 60
SCALE IN FEET

MATCH LINE STA. 643+50.00

14' ONLY
12' ONLY

E FRONTAGE ROAD

IL RTE 53

IL RTE 53 NB EXIT RAMP

242'-UC-2"

247'-UC-2"

250' TO STOP BAR

500' TO STOP BAR

6' 6' 6' 6' 6' 6'

22'

10'

1204 1203 1202 1201 1200 1199 1198 1197

3204 3203 3202 3201 3200 3199

643 656 657 658 659 660 661 662 663

00+00 00+100 00+200 00+300

1 ADDED ENTIRE SHEET 10/31/2024

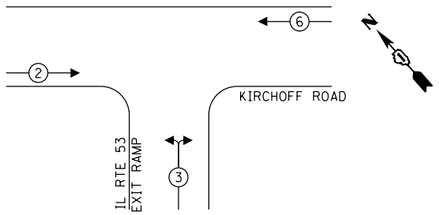
TS 2680
ECON 6

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = jaker	DESIGNED - RRS	REVISED - 1 10/29/2024	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TRAFFIC SIGNAL MODERNIZATION PLANS KIRCHOFF ROAD AT IL RTE 53 NB EXIT RAMP**
		DRAWN - ACM	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRH	REVISED -		SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.
	PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	513A
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: S:\OL\6300-6399\6334611\3Drawings\CADDMicro-SS4\CAD_Sheets\C3-D162W38-int-ts-14as-Kirchoff&Ramps-Sht.dgn

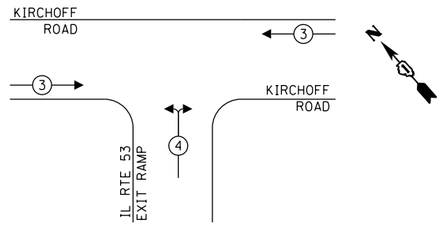
EXISTING & PROPOSED PHASE DESIGNATION DIAGRAM

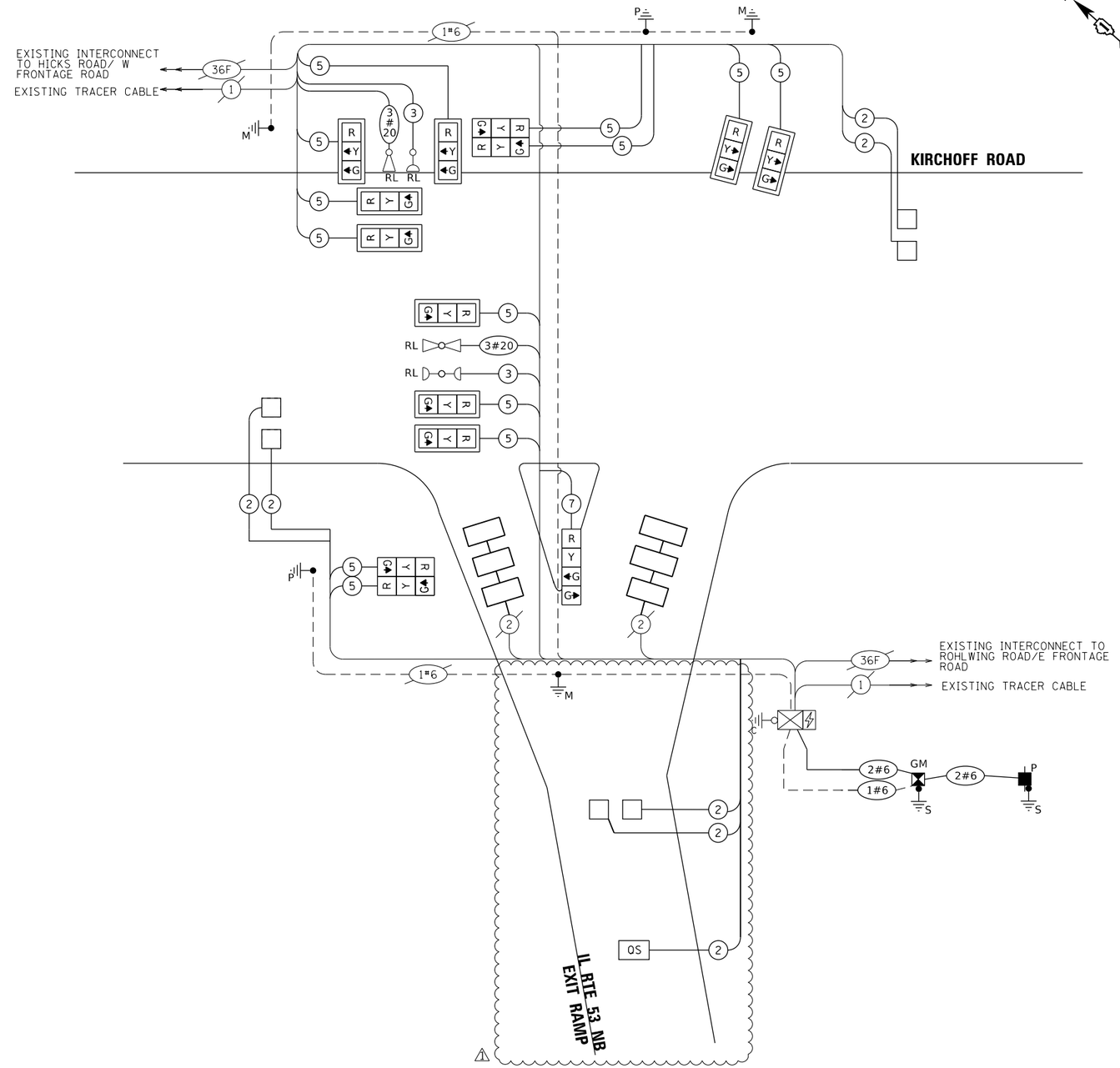


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
TYPE	**QUANTITY**	**UNIT WATTAGE**	**TOTAL WATTAGE**
SIGNAL HEAD			
3 - SECTION	12	11	132
4 - SECTION	1	14	14
5 - SECTION		13	
PROGRAMMABLE SIGNALS			
3 - SECTION		22	
4 - SECTION		32	
5 - SECTION		28	
PED. SIGNAL		15	
CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS	1	25	25
DETECTION RADAR		20	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			321
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE		240	
TOTAL SERVICE WIRE SIZING			926

ENERGY COSTS TO:

CITY OF ROLLING MEADOWS

ENERGY SUPPLY: CONTACT: JAMES CAMPBELL
PHONE: (630) 940-6805
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 84692841222

1 REVISED SHEET 10/31/2024

TS 2680
ECON 6

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - 1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE KIRCHOFF ROAD AT IL RTE 53 NB EXIT RAMP

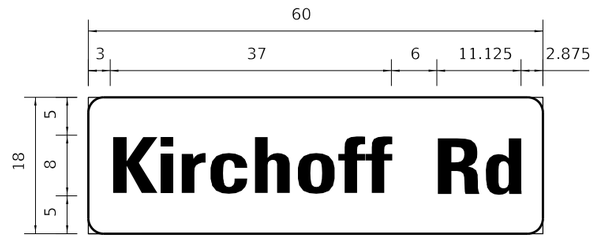
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	514
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: S:\DOL\6300-6399\6346113\Drawings\CAD\Micro-SSA\CAD_Sheets\C3-D162W38-ctrl-cs-15s-Cable Plan-KIrcroff6Ramps-SA1.dgn

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY
	SIGN PANEL - TYPE 1	SQ FT	7.5
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	982 ⚠1
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	172
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	109
	HANDHOLE	EACH	2
	HEAVY-DUTY HANDHOLE	EACH	2 ⚠1
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,879
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	194
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,370 ⚠1
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	221
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	430
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	12
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	36
	DRILL EXISTING HANDHOLE	EACH	15 ⚠1
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
	INDUCTIVE LOOP DETECTOR	EACH	2
	DETECTOR LOOP, TYPE I	FOOT	610 ⚠1
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	144
	REMOVE EXISTING HANDHOLE	EACH	2
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	585
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	LED SIGNAL FACE, LENS COVER	EACH	14
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 30 FT	EACH	1

*100% COST TO THE CITY OF ROLLING MEADOWS

⚠1 REVISED SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jaker	DESIGNED - RRS	REVISED - ⚠1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/28/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
KIRCHOFF ROAD AT IL RTE 53 NB EXIT RAMP

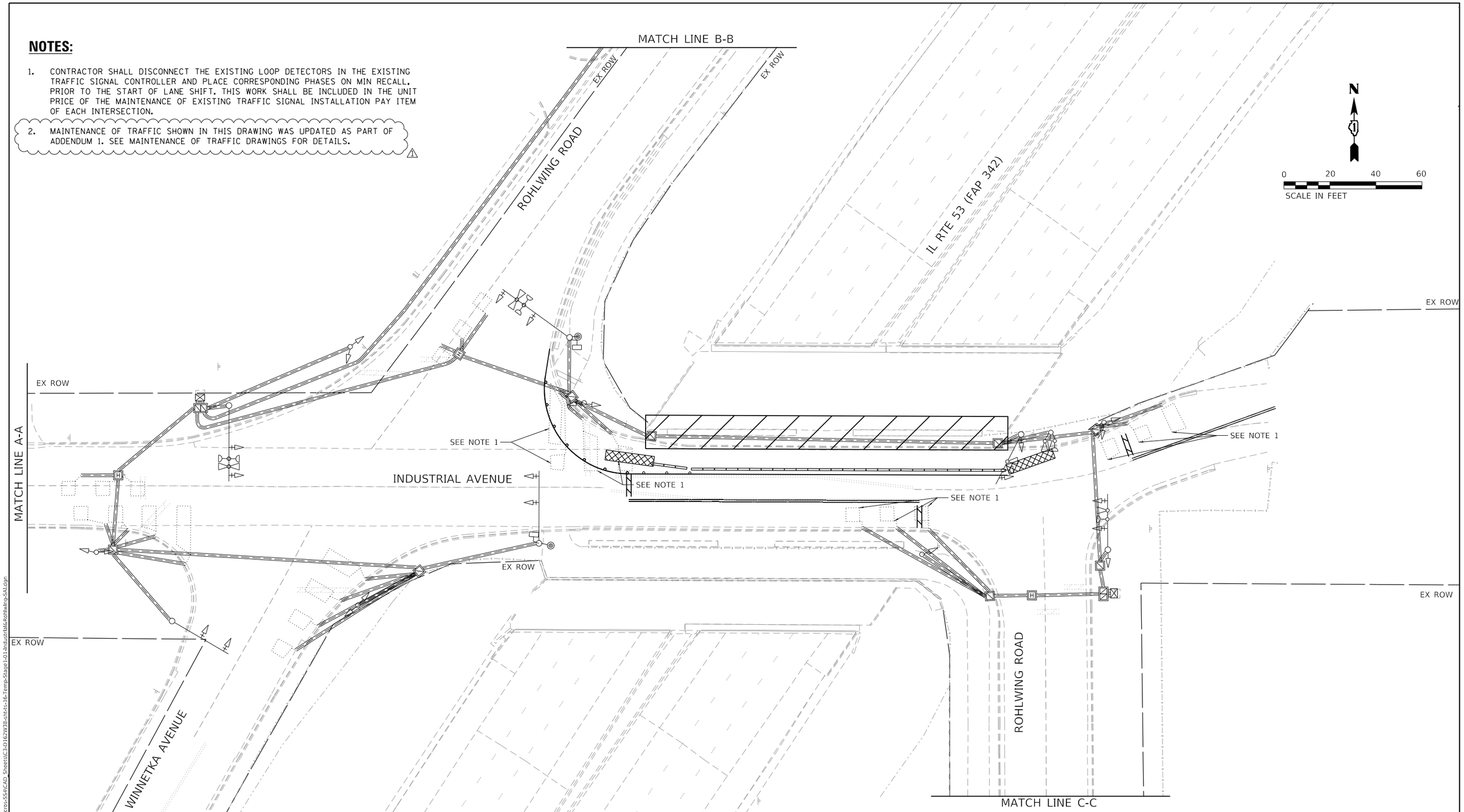
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	515
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: S:\DOL\6300-6399\6346\13\Drawings\CAD\Microstation\C-2162W38-sht-ss-15c-5002-Kirchoff&Ramp-SAI.dgn

NOTES:

1. CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTORS IN THE EXISTING TRAFFIC SIGNAL CONTROLLER AND PLACE CORRESPONDING PHASES ON MIN RECALL, PRIOR TO THE START OF LANE SHIFT. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM OF EACH INTERSECTION.
2. MAINTENANCE OF TRAFFIC SHOWN IN THIS DRAWING WAS UPDATED AS PART OF ADDENDUM 1. SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR DETAILS. ⚠1



⚠1 REVISED SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - ⚠1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS
INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING AVENUE AND ROHLWING AVENUE

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	519
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: S:\DL\6300-6399\6346\113D\rawlings\CADD\Micro-StatCAD_Sheets\C3-D162W38-cht-ts-16-Temp-Stage1-01-IndustrialAvRohlwing-SAt.dgn

NOTES:

1. CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTORS IN THE EXISTING TRAFFIC SIGNAL CONTROLLER AND PLACE CORRESPONDING PHASES ON MIN RECALL. PRIOR TO THE START OF THE LANE SHIFT. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM OF THE INDUSTRIAL AND WINNETKA AVENUE INTERSECTION.
2. CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTORS IN THE EXISTING TRAFFIC SIGNAL CONTROLLER AND DISABLE THE CORRESPONDING PHASE PRIOR TO THE START OF THE LANE SHIFT. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM OF THE INDUSTRIAL AND WINNETKA AVENUE INTERSECTION.
3. MAINTENANCE OF TRAFFIC SHOWN IN THIS DRAWING WAS UPDATED AS PART OF ADDENDUM 1. SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR DETAILS. ⚠1

MATCH LINE B-B

ROHLWING ROAD

EX ROW

IL RTE 53 (FAP 342)

3259 1259 2259 3258 1258 2258 3257 1257 2257 3256 1256 2256 3255+00 1255+00 2255+00

N

0 20 40 60

SCALE IN FEET

SEE NOTE 2 ⚠1

MATCH LINE A-A

INDUSTRIAL AVENUE

501 502 503 504 505+00 506

SEE NOTE 1

MATCH LINE C-C

ROHLWING ROAD

⚠1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
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USER NAME = AlexaM	DESIGNED - RRS	REVISED - ⚠1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS
INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING AVENUE AND ROHLWING AVENUE

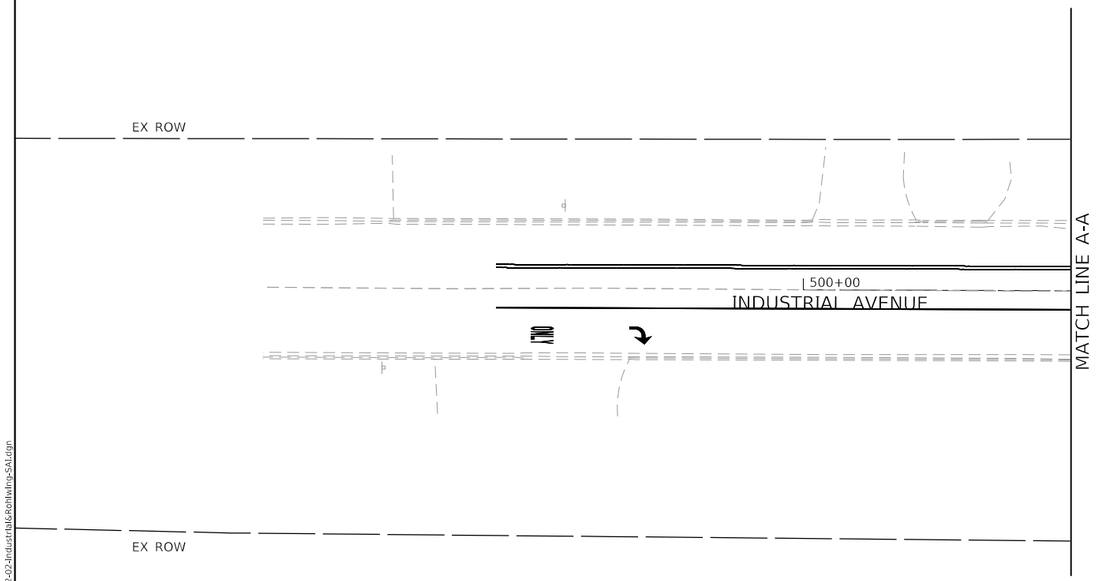
SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

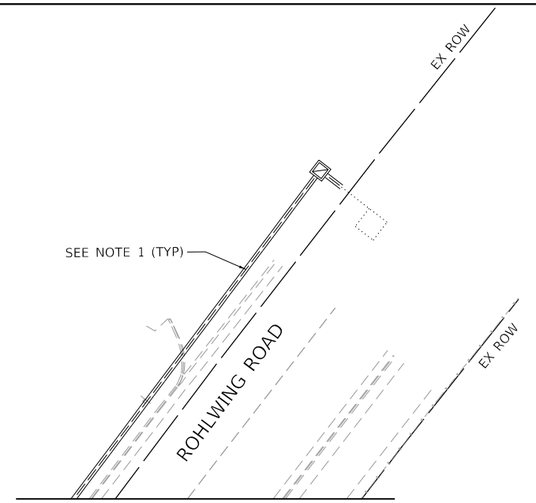
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	521
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

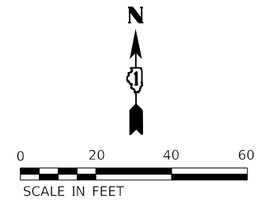
MODEL: Default
FILE NAME: S:\DL\6300-6399\6346\113D\rawlings\CADD\MicroSSA\CAD_Sheets\C3-D162W38-cht-ts-18-Temp-Stage2-01-IndustrialAvRohlwing-SAt.dgn

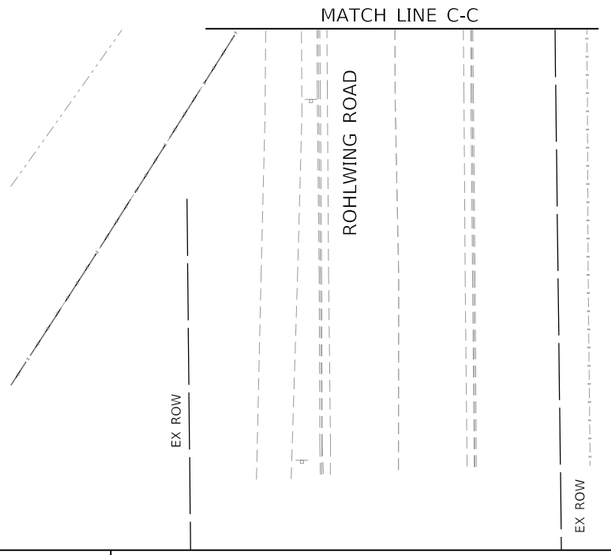
NOTES:

1. EXISTING UNDERGROUND TRAFFIC SIGNAL CONDUIT SHOWN ON THIS DRAWING IS ASSUMED BASED ON ABOVE GROUND EQUIPMENT. CONTRACTOR SHALL VERIFTY AND LOCATE ALL UNDERGROUND TRAFFIC SIGNAL CONDUIT NECESSARY TO INSTALL THE ACCESSIBLE PEDESTRIAN SIGNAL IMPROVEMENTS.
2. MAINTENANCE OF TRAFFIC SHOWN IN THIS DRAWING WAS UPDATED AS PART OF ADDENDUM 1. SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR DETAILS. ⚠1









⚠1 REVISED SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - ⚠1 10/29/2024	
	DRAWN - ACM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - KRH	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

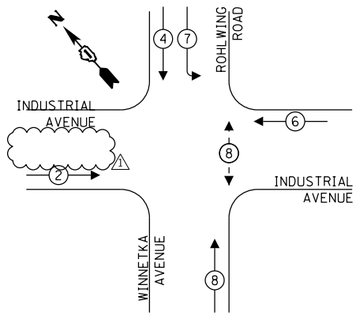
STAGE 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS
INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING AVENUE AND ROHLWING AVENUE

SCALE: 1" = 20' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	522
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: S:\DOL\6300-6399\6346\13\Drawings\CADD\Microstation\CAD Sheets\C3-D162W38-sht-ts-19-Temp-Stage2-02-IndustrialRohlwing-SAT.dgn

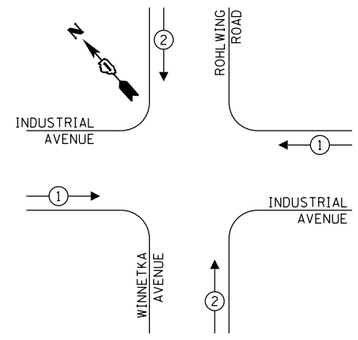
TEMPORARY PHASE DESIGNATION DIAGRAM



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	12	11	132
4 - SECTION		14	
5 - SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3 - SECTION		22	
4 - SECTION		32	
5 - SECTION		28	
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER		100	
UPS		25	
DETECTION RADAR		20	
DETECTION VIDEO		20	
BLANK-OUT SIGN		25	
NETWORK SWITCH II OR III		35	
CELLULAR MODEM		15	
TOTAL UPS SIZING			364
UPS CHARGING		225	
BATTERY HEATER MAT		180	
CABINET HEATER		200	
FLASHER		15	
LED STREET NAME SIGN		120	
LUMINAIRE		240	
TOTAL SERVICE WIRE SIZING			364

ENERGY COSTS TO:

CITY OF ROLLING MEADOWS

ENERGY SUPPLY: CONTACT: JAMES CAMPBELL
PHONE: (630) 940-6805
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER:

NOTES

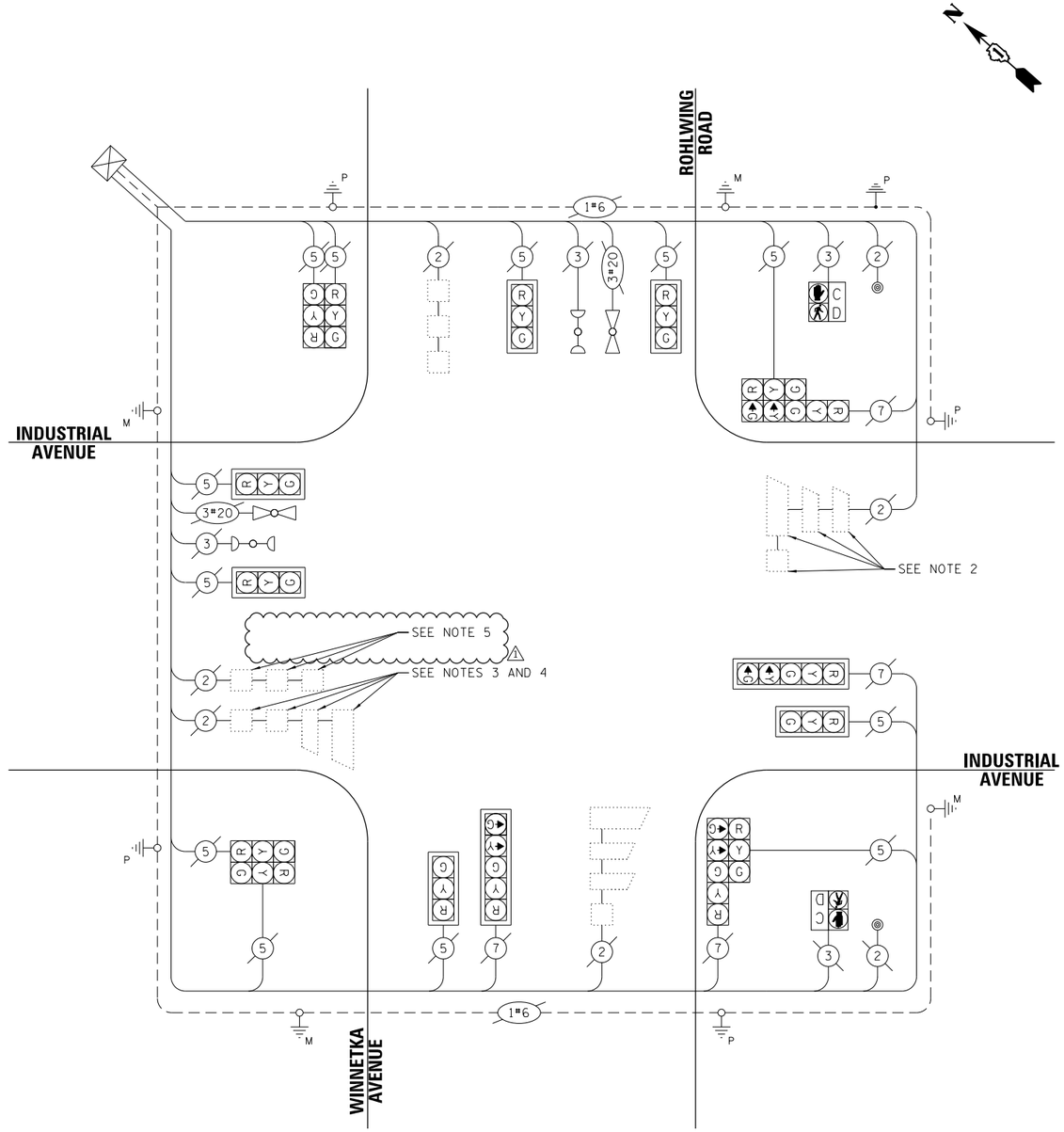
1. CABLE ROUTING SHOWN ON THIS DRAWING ARE ASSUMED BASED ON INDUSTRY STANDARDS. CONTRACTOR SHALL VERIFY ALL TRAFFIC SIGNAL CABLES NECCESSARY FOR REMOVALS AND PROPOSED IMPROVEMENTS.

2. CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTOR IN THE EXISTING TRAFFIC SIGNAL CONTROLLER, PRIOR TO THE LANE SHIFT IN STAGE 1, AND PLACE PHASE 6 ON MIN RECALL. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM.

3. AT THE COMPLETION OF STAGE 2, THE CONTRACTOR SHALL RECONNECT THE EXISTING LOOP DECTECTORS IN THE EXISTING CABINET. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM.

4. CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTOR IN THE EXISTING TRAFFIC SIGNAL CONTROLLER, PRIOR TO THE START OF STAGE 2, AND PLACE PHASE 2 ON MIN RECALL. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM.

5. CONTRACTOR SHALL DISCONNECT THE EXISTING LOOP DETECTOR IN THE EXISTING TRAFFIC SIGNAL CONTROLLER, PRIOR TO THE START OF STAGE 2, AND DISABLE PHASE 5. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM. (1)



CABLE PLAN
(NOT TO SCALE)

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = AlexaM	DESIGNED - RRS	REVISED - (1) 10/29/2024
	DRAWN - ACM	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - KRH	REVISED -
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALL STAGES TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDUSTRIAL AVENUE AT WINNETKA AVENUE/ROHLWING ROAD

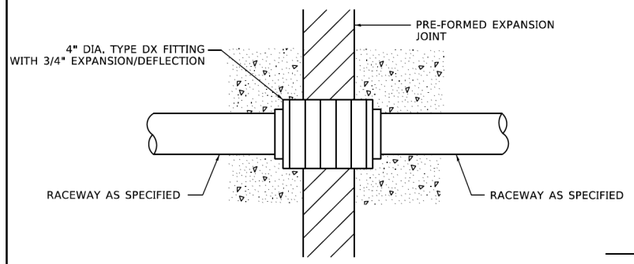
SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	523
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

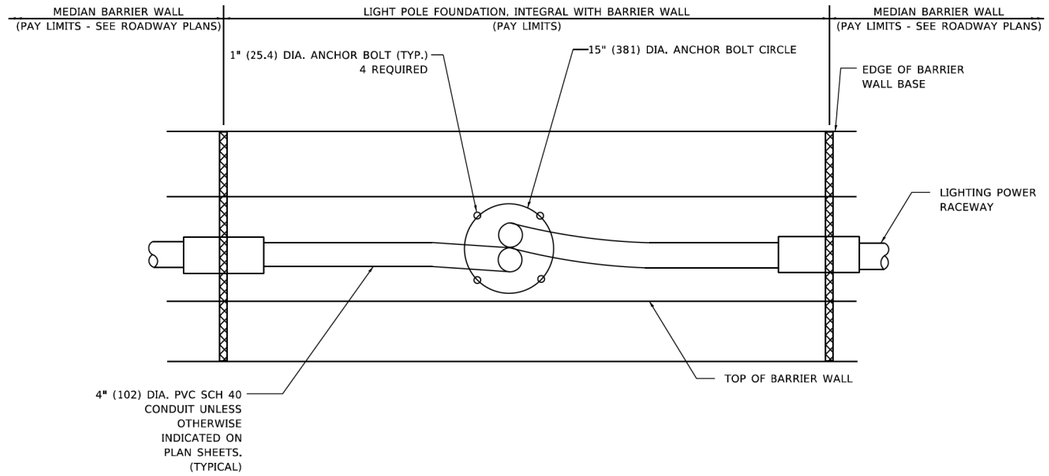
MODEL: Default
FILE NAME: S:\JOL\6300-6399\6346113D\cadd\xrefs\CAD\Micros-Sys\CAD Sheets\C3-D162W38-int-1s-2-1-02-Temp-Cable-Plan-Industrial-Rohlwing-West-Sal.dgn

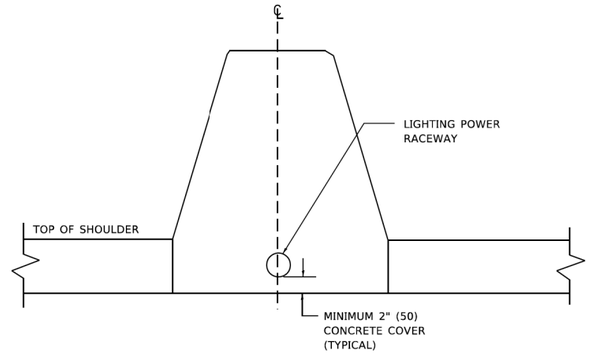
NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORMS.
3. THE CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #4 (15 m) TIES AT 12" (304.8 m) CTRS. FOR THE #3 (3 m) SPIRAL. TACKWELDED TYPE BOLT MAY BE SUBSTITUTED FOR THE HOOK TYPE BOLT.
4. COLD BENDING OF THE HOOK BOLT SHALL NOT BE ALLOWED.
5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER 24 INCHES (609.6 m) IN DIAMETER. ROCK EXCAVATION IF REQUIRED SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 502.
6. THE ENGINEER SHALL DETERMINE THE TYPE OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE USING THE DOMINANT CHARACTERISTIC OF THE SOIL ENCOUNTERED.
7. BARRIER WALL EXPANSION AND CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL 637006-05 AS APPLICABLE. SHAPE OF BARRIER TO MATCH ADJACENT BARRIER SECTIONS (TYPICAL OR VARIABLE HEIGHT).
8. ANCHOR RODS, NUTS, AND WASHERS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS ARTICLES 1070.02 AND 1006.09.

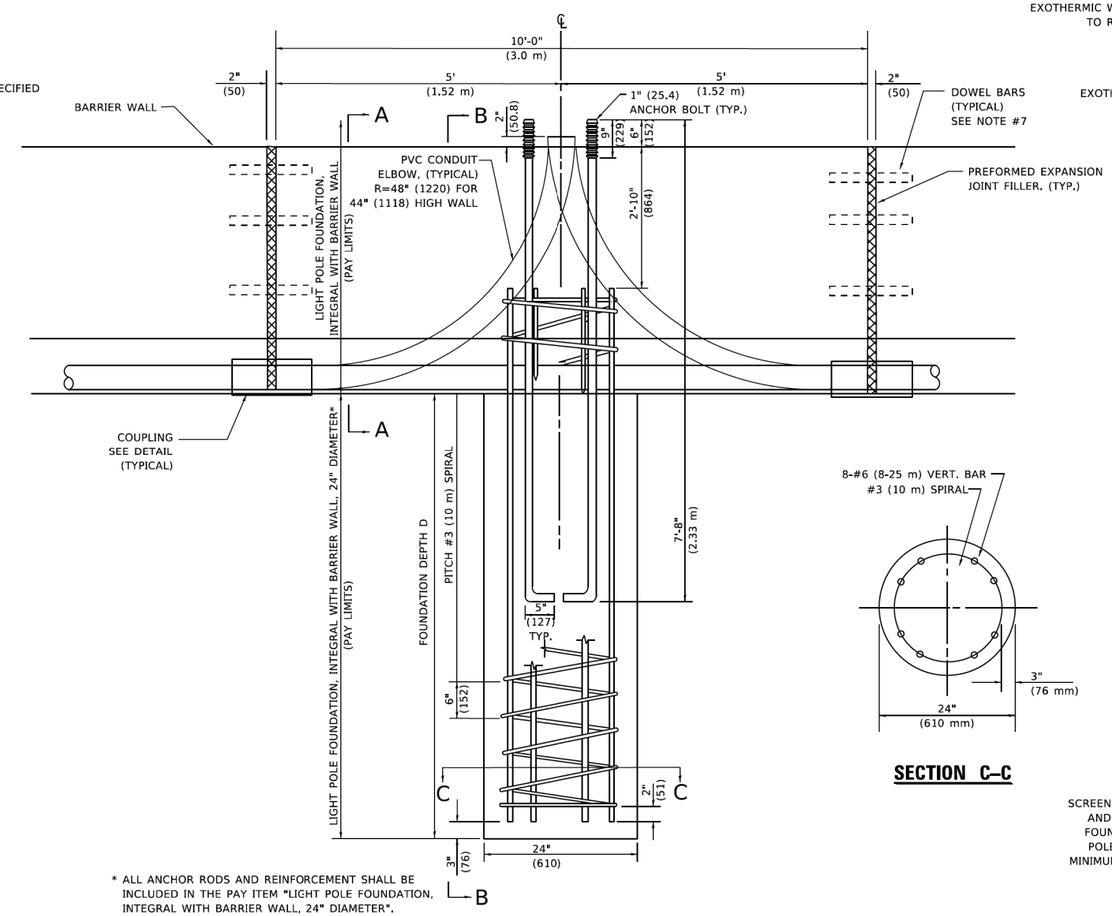


CONDUIT DEFLECTION FITTING DETAIL





SECTION A–A

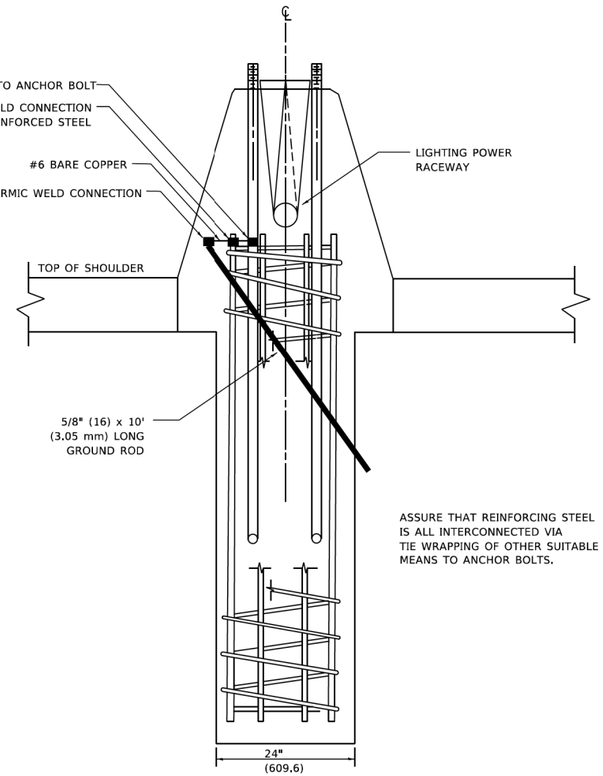


* ALL ANCHOR RODS AND REINFORCEMENT SHALL BE INCLUDED IN THE PAY ITEM "LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL, 24" DIAMETER".

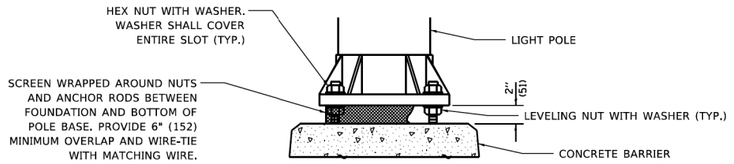
FOUNDATION DEPTH

TYPE OF SOIL	FOUND DEPTH D	REINFORCEMENT IN FOUNDATION	
		VERTICAL BARS	SPIRAL
ROCK OR SOLIDIFIED SLAG	5'-0" (1.52 m)	NONE	NONE
DENSE SAND	7'-9" (2.36 m)	8-#6 x 9'-0" (8-20 m x 2.74 m)	#3 x 90' (3 m x 27.43 m)
MEDIUM SAND	8'-3" (2.51 m)	8-#6 x 9'-5" (8-20 m x 2.87 m)	#3 x 94' (3 m x 28.65 m)
LOOSE SAND	9'-0" (2.74 m)	8-#6 x 10'-2" (8-20 m x 3.09 m)	#3 x 100' (3 m x 30.48 m)
STIFF CLAY	7'-0" (2.13 m)	8-#6 x 10'-8" (8-20 m x 2.48 m)	#3 x 80' (3 m x 24.38 m)
MEDIUM CLAY	9'-6" (2.89 m)	8-#6 x 10'-8" (8-20 m x 3.25 m)	#3 x 104' (3 m x 31.69 m)
SOFT CLAY	13'-0" (3.96 m)	8-#6 x 14'-2" (8-20 m x 4.32 m)	#3 x 144' (3 m x 43.89 m)

SECTION C–C



SECTION B–B



ELEVATION AT CONCRETE BARRIER

1 REVISED ENTIRE SHEET 10/31/2024

LT–60

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = Lawrence.DeManche	DESIGNED -	REVISED - T. GODINHO 01-30-24	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/30/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

24" (610 mm) DIA. LIGHT POLE FOUNDATION
INTEGRAL WITH DOUBLE FACE BARRIER WALL, CONSTANT SLOPE

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	590
	BE-323	CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\Illdot-pw.bentley.com:PWIDOT1\Documents\IDOT Offices\District 1\Projects\DistStd22x34\CADData\CADSheets\lbe323.dgn

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	6
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,101
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	3,002
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	6,937
CONDUIT ATTACHED TO STRUCTURE, 6" DIA., GALVANIZED STEEL	FOOT	106
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	783
CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	5,023
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	8
HEAVY-DUTY HANDHOLE	EACH	23
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	7,552
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	16,205
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	412
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	1,347
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	6
CONCRETE FOUNDATION, TYPE A	FOOT	18
DRILL EXISTING HANDHOLE	EACH	7
REMOVE EXISTING HANDHOLE	EACH	39
REMOVE EXISTING CONCRETE FOUNDATION	EACH	17
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	8
CABINET, MODEL 334	EACH	8
CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, FOUNDATION, 80 FT. MOUNTING HEIGHT	FOOT	130
CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, GALVANIZED STEEL, 80 FT. MOUNTING HEIGHT	EACH	8
MAINTAINING ITS DURING CONSTRUCTION	CAL MO	21
REMOVAL OF CABLE IN CONDUIT	FOOT	20,100
WIRELESS VEHICLE DETECTION SYSTEM	EACH	8
TERMINATE FIBER IN CABINET	EACH	120
BLUETOOTH DETECTOR	EACH	37
LAYER III (NETWORK) SWITCH	EACH	8
INTERCEPT EXISTING CONDUIT	EACH	11
WOOD POLE, 25 FT, CLASS 4	EACH	25
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	309
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	1,414
FIBER OPTIC CABLE, MICRO, 144 FIBERS, SINGLE MODE	FOOT	47,590
1 FIBER OPTIC TERMINATION PANEL, 12 F OR 24F	EACH	8
FIBER OPTIC CABLE SPLICE - LATERAL	EACH	8
FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	8
FIBER OPTIC UTILITY MARKER	EACH	33
FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	619
CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334	EACH	8
REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT	L SUM	1
COMMUNICATIONS VAULT	EACH	30
MODIFY EXISTING DYNAMIC MESSAGE SIGN	EACH	1
CONDUIT ATTACHED TO STRUCTURE, RIGID NON-METALLIC, 6" DIA.	FOOT	319
JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 32" X 12" X 8"	EACH	8
UNDERGROUND CONDUIT, MULTI-DUCT, 4-18MM MICRODUCTS	FOOT	41,790

1 REVISED SHEET 10/31/2024

ITS–04

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jaker	DESIGNED - RRS	REVISED - 1 10/29
	DRAWN - JLN	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - BMS	REVISED -
PLOT DATE = 10/29/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ITS SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	605
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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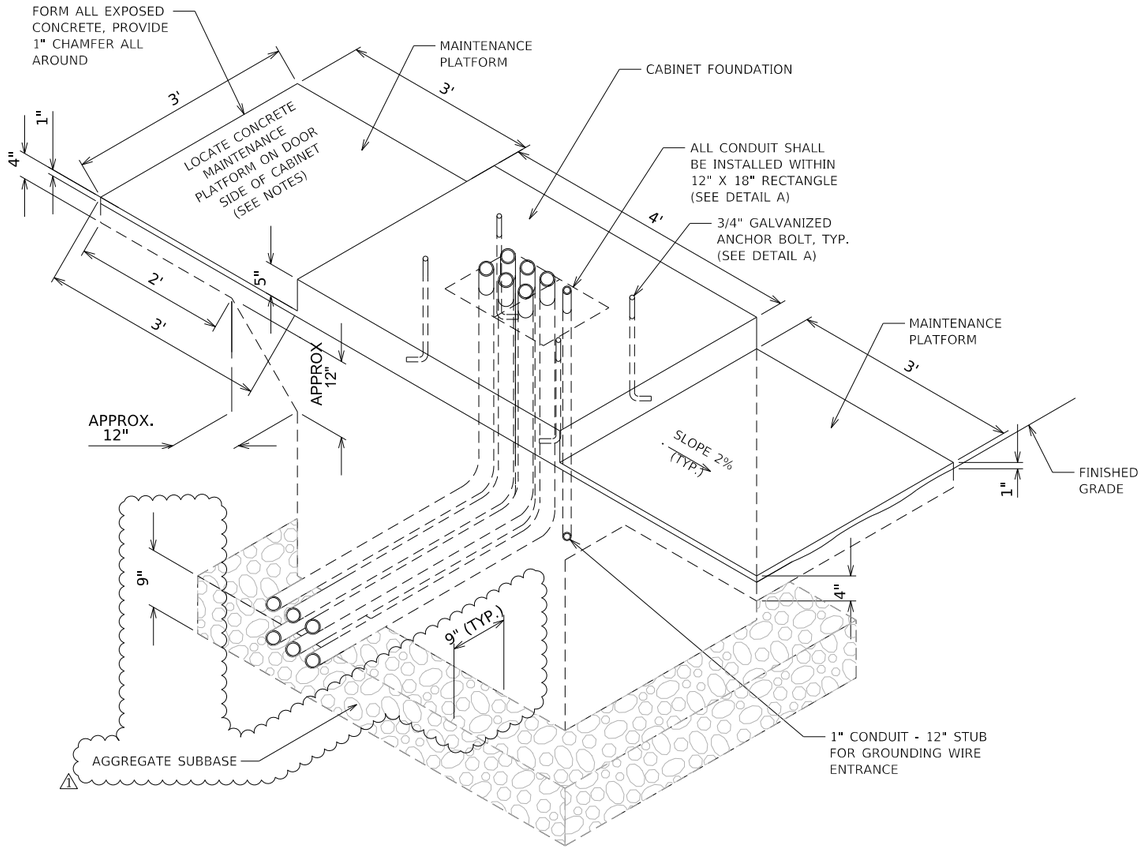


CONCRETE FOUNDATION FOR SURVEILLANCE CABINET MODEL 334 ELEVATION VIEW

NOTES:

1. INSTALL FOUR 3/4 INCH DIAMERTER X 12 INCH MINIMUM LENGTH APPROVED J-BOLTS TO ANCHOR THE CABINET BASES. THE ANCHOR BOLTS SHALL BE HOT-DIPPED GALVANIZED STEEL AND LOCATED AS SHOWN IN DETAIL A.

⚠1 2. CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL. LEVELING OF TOP SURFACES AFTER CONCRETE BASE HAS CURED SHALL ONLY BE ACCOMPLISHED BY GRINDING.

⚠1 3. REINFORCEMENT NOT SHOWN FOR CLARITY. CONTRACTOR SHALL INCLUDE HORIZANTAL AND VERTICAL REINFORCEMENT IN CONCRETE FOUNDATION WITH #5 U SHAPED BARS AT 9" MAX. SPACING AND LAPPED AT VERTICAL SURFACES FOR A DISTANCE OF 3'-3". REINFORCEMENT SHALL BE PLACED TO AVOID CONDUIT AND ANCHOR BOLTS. THE COST OF REINFORCEMENT SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334.

4. CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

5. CONCRETE MAINTENANCE PLATFORM AND CABINET FOUNDATION FOR CABINET SHALL BE MONOLITHIC POUR.

6. WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

7. CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 3 INCHES.

8. MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER

9. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

10. PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

11. ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

12. ALL METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE BUSHINGS AND ALL NONMETALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE END BELLS.

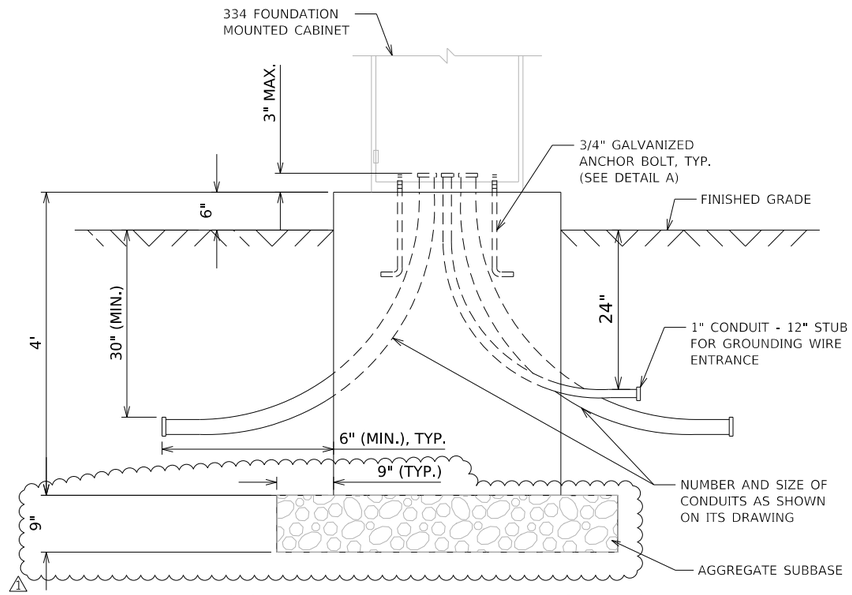
13. REFER TO SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

14. THE CONTRACTOR SHALL INSTALL INSULATED BUSHINGS AND DUCT SEALANT AT ALL CONDUIT BEND TERMINATIONS IN FOUNDATIONS.

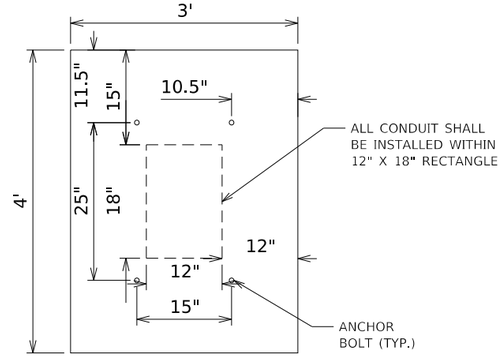
15. CONCRETE BASE TO BE FORMED AT LEAST 6" ABOVE THE GROUND SURFACE.

16. CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

⚠1 17. AGGREGATE SUBBASE OF 9" DEPTH AND EXTENDING 9" BEYOND FACES OF CONCRETE BASE TO BE INSTALLED BELOW CONCRETE BASE. THE COST OF THE AGGREGATE SUBBASE SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334.



CONCRETE FOUNDATION FOR SURVEILLANCE CABINET MODEL 334 ELEVATION VIEW



DETAIL A CABINET FOUNDATION ANCHOR BOLT AND CONDUIT LAYOUT

⚠1 REVISED SHEET 10/31/2024

ITS–45

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jaker	DESIGNED - RRS	REVISED - ⚠1 10/29
	DRAWN - JLN	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - BMS	REVISED -
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -

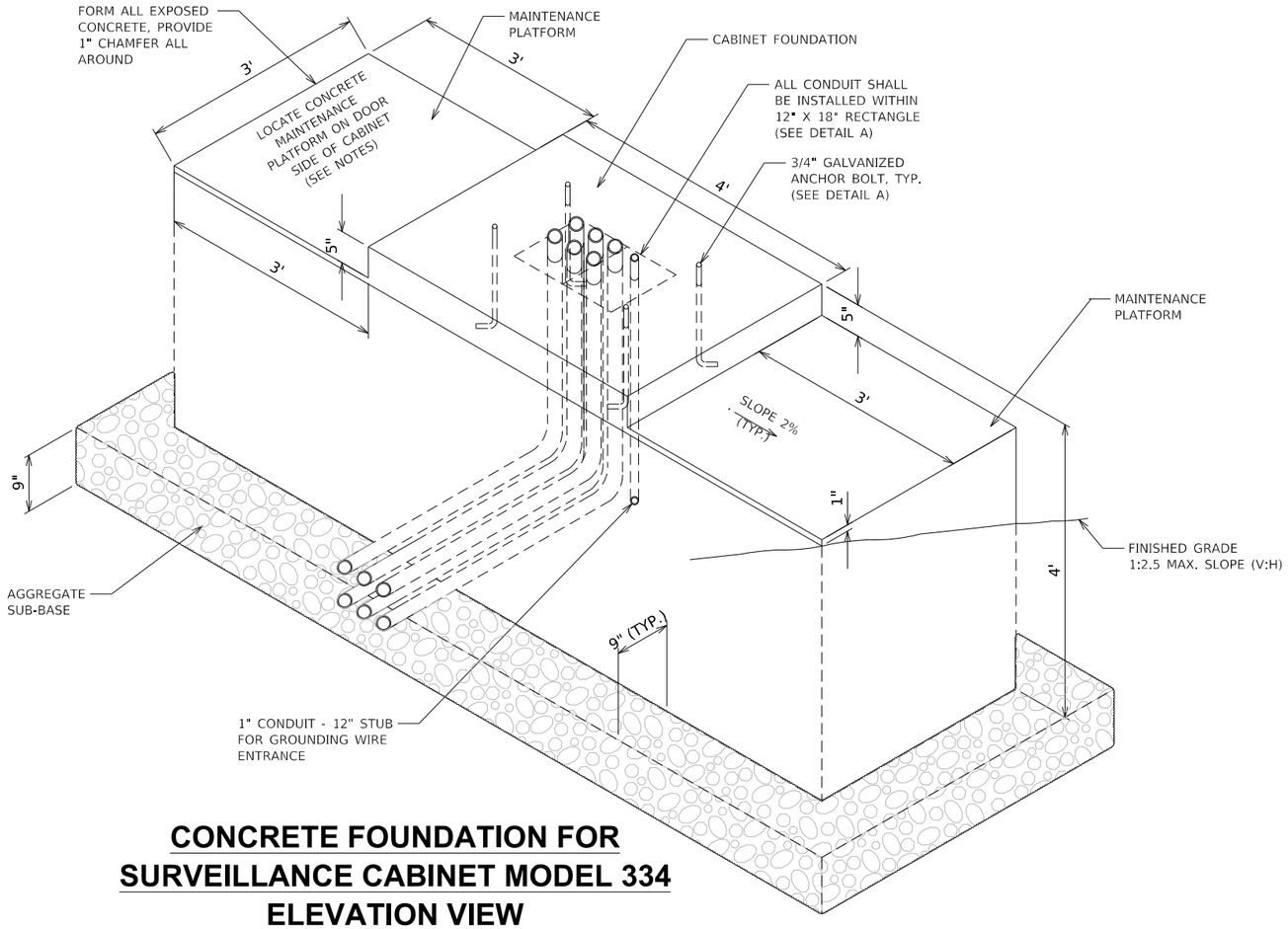
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS INFRASTRUCTURE DETAILS
CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334

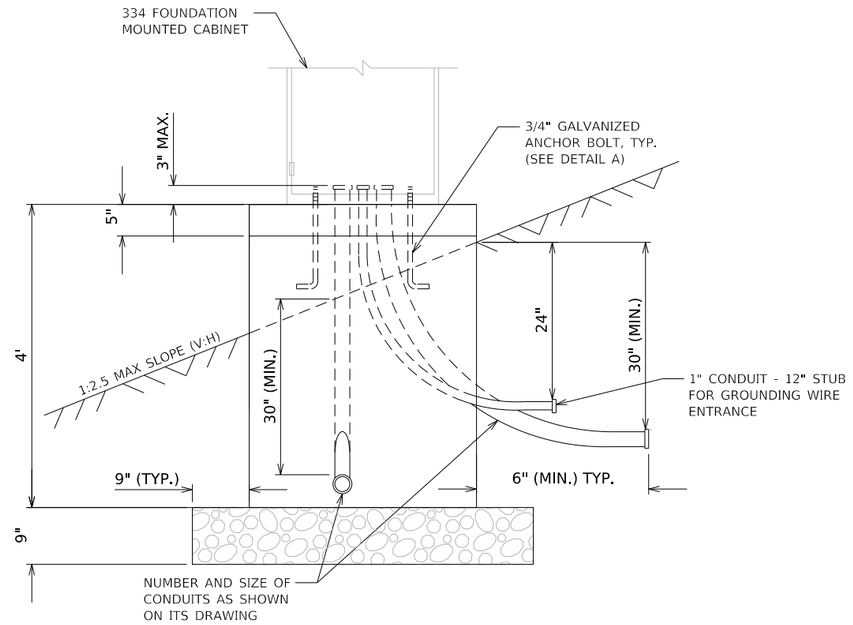
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	646
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: S:\DOL\6300-6399\6346113\D\cadd\ngs\CADD\Microstation\SSMICAD_Sheets\D162W38-sht-ITS-Details-04-L3-SS4.dgn



CONCRETE FOUNDATION FOR SURVEILLANCE CABINET MODEL 334 ELEVATION VIEW



CONCRETE FOUNDATION FOR SURVEILLANCE CABINET MODEL 334 ELEVATION VIEW

NOTES:

1. INSTALL FOUR 3/4 INCH DIAMERTER X 12 INCH MINIMUM LENGTH APPROVED J-BOLTS TO ANCHOR THE CABINET BASES. THE ANCHOR BOLTS SHALL BE HOT-DIPPED GALVANIZED STEEL AND LOCATED AS SHOWN IN DETAIL A.
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4. CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.
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6. WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.
7. CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 3 INCHES.
8. MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER
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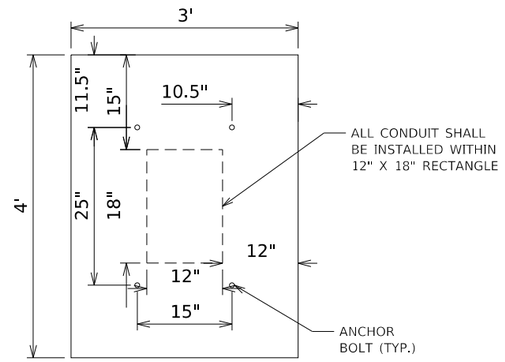


DETAIL A CABINET FOUNDATION ANCHOR BOLT AND CONDUIT LAYOUT

1 ADDED ENTIRE SHEET 10/31/2024

ITS–45A

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jaker	DESIGNED - RRS	REVISED - 1 10/29
	DRAWN - JLN	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - BMS	REVISED -
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

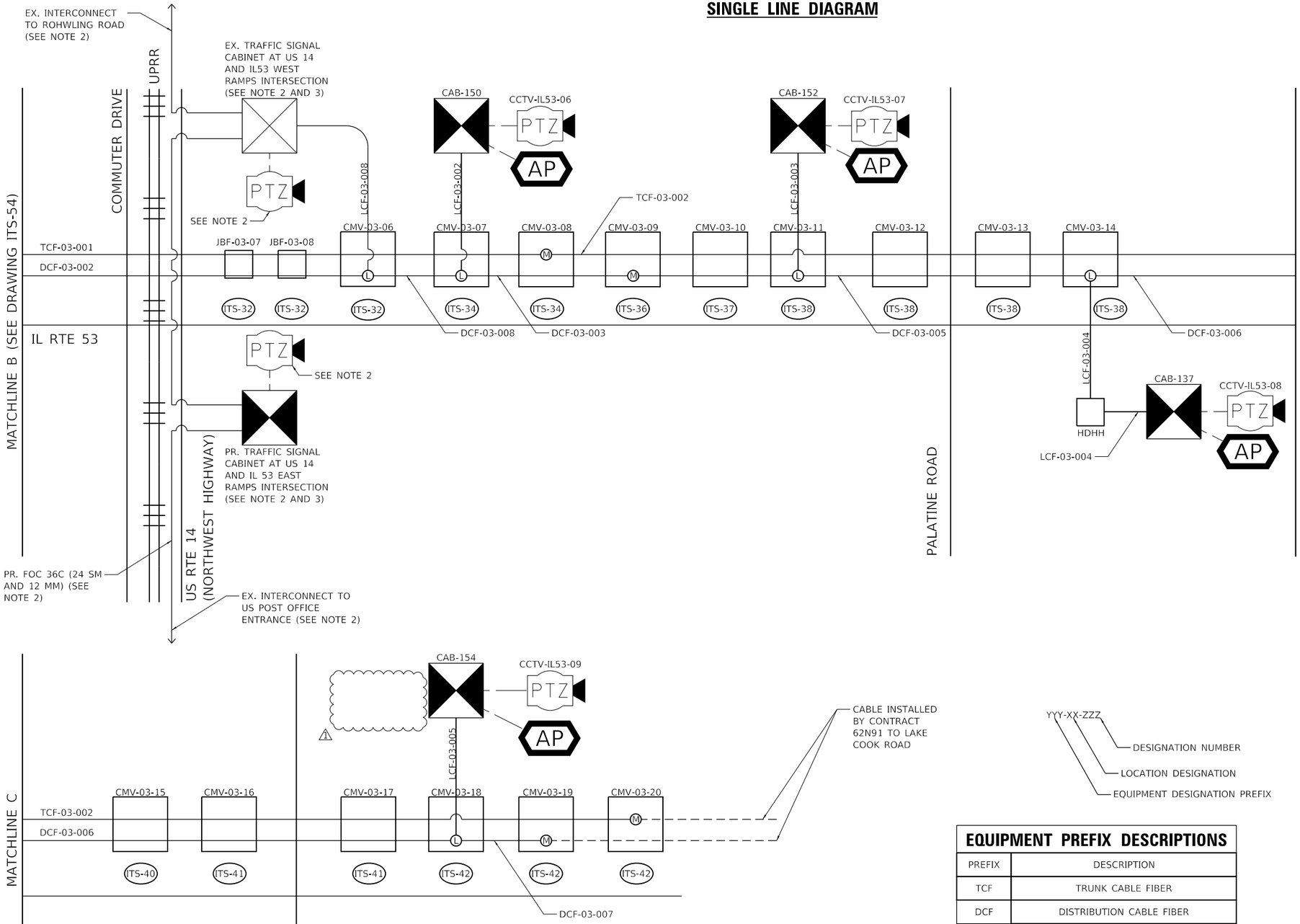
ITS INFRASTRUCTURE DETAILS
CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	646A
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: G:\PROJECTS\6300-6399\6346\113\Drawings\CAD\Micro>Sta\CAD_Sheets\D162W38-sht-ITS-Details-Cabinet-Foundation-IL33-SA1.dgn

SINGLE LINE DIAGRAM



LEGEND

DCF-XX-000	DISTRIBUTION FIBER OPTIC CABLE, 144 FIBER
LCF-XX-000a	LATERAL FIBER OPTIC CABLE, 12 FIBER
TCF-xx-yyy (E)	EXISTING FIBER OPTIC CABLE
– ——— ———	DEVICE CABLE
(L)	FIBER OPTIC SPLICE, LATERAL
(M)	FIBER OPTIC SPLICE, MAINLINE
(ITS-XX)	PLAN SHEET NUMBER
AP	WIRELESS DETECTION SYSTEM ACCESS POINT
CMV-xx-000	COMMUNICATIONS VAULT
HDHH	HANDHOLE
JBF-xx-000	JUNCTION BOX
	EX. CABINET
	PR. CABINET
PTZ	CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN

YYY-XX-ZZZ
- ZZZ — DESIGNATION NUMBER
- XX — LOCATION DESIGNATION
- YYY — EQUIPMENT DESIGNATION PREFIX

EQUIPMENT PREFIX DESCRIPTIONS

PREFIX	DESCRIPTION
TCF	TRUNK CABLE FIBER
DCF	DISTRIBUTION CABLE FIBER
LCF	LATERAL CABLE FIBER
CMV	COMMUNICATION VAULT
HHF	HAND HOLE FIBER
JBF	JUNCTION BOX
CCTV	CLOSED-CIRCUIT TELEVISION

NOTES:
1. TRACER CABLE HAS BEEN OMITTED FOR PLAN CLARITY.
2. SEE TRAFFIC SIGNAL AND INTERCONNECT DRAWINGS FOR ADDITIONAL DETAILS AND PAYMENT.
3. THE INTERSECTIONS OF US 14 WITH IL 53 WEST RAMPS AND IL 53 EAST RAMPS SHALL REMAIN ON THE IDOT CLOSED LOOP SYSTEM ECON 13

1 REVISED SHEET 10/31/2024

ITS–63

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jaker	DESIGNED - RRS	REVISED - 1 10/29	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORATION SYSTEMS COMMUNICATION SINGLE LINE DIAGRAM	
	DRAWN - JLN	REVISED -			
PLOT SCALE = 100.0000 ' / in.	CHECKED - BMS	REVISED -		SCALE: NTS	SHEET 2 OF 2 SHEETS STA. TO STA.
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	664
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: S:\DOL\6300-6399\6346\113Drawings\CADM\Micro-SS4\CAD_Sheets\D162W38-int-ITS-SLD-91-L53-SA.dgn

144F SM TRUNK CABLE

144F SM DISTRIBUTION CABLE

144F SM DISTRIBUTION CABLE

ALL OTHER TUBES

CONTRACT 62N91

CONTRACT 62N91

CAB-144

25,26

25,26

CAB-146

27,28

27,28

CAB-135

29,30

29,30

CAB-148

31,32

31,32

CAB-150

33,34

33,34

35,36

35,36

144F SM DISTRIBUTION CABLE - GREEN TUBE

CAB-152

37,38

37,38

CAB-137

39,40

39,40

CAB-154

41,42

41,42

43,44

43,44

45,46

45,46

47,48

47,48

144F SM DISTRIBUTION CABLE - BROWN TUBE

EX. TRAFFIC SIGNAL CABINET AT US 14 AND IL 53 WEST RAMPS INTERSECTION

77,78

77,78

PR. TRAFFIC SIGNAL CABINET AT US 14 AND IL 53 EAST RAMPS INTERSECTION

79,80

79,80

144F SM DISTRIBUTION CABLE - RED TUBE

NETWORK LEGEND

PROPOSED	EXISTING	
—#—	– – #– – –	FIBER OPTIC LINK (# OF STRANDS USED)
×	×	FIBER OPTIC FUSION SPLICE (KEY LOCATION)
		LAYER 2 (NETWORK) SWITCH FOR TRAFFIC SIGNALS
		LAYER 3 (NETWORK) SWITCH
		LAYER 3 (NODE) SWITCH OR CORE SWITCH

1 REVISED SHEET 10/31/2024

ITS–64

MODEL: Default
FILE NAME: S:\OL\6300-6399\6346\113\Drawings\CAD\Micro-SS4\CAD_Sheets\D162W38-ilt-ITS-Communication-Network-Overview-IL53-SA1.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jaker	DESIGNED - RRS	REVISED - 1 10/29	
	DRAWN - JLN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - BMS	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
COMMUNICATION NETWORK OVERVIEW

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	665
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

MATCHLINE SHEET NET-02

MATCHLINE SHEET NET-04

CMV-03-03

CMV-03-06

ALL OTHER TUBES

GREEN

BROWN

RED

25, 26
27, 28
29, 30
31, 32
33, 34
35, 36

73, 74
75, 76
77, 78
79, 80
81, 82
83, 84

144F SM
(DCF-03-001)

144F SM
(DCF-03-002)

144F SM
(DCF-03-008)

INTERCONNECT TO US 14 AND ROHLWING ROAD
(SEE TRAFFIC SIGNAL DRAWINGS)

12F SM
(LCF-03-001)

24F SM (LCF-03-006)

1,2 3,4 5,6 7,8 9,10 11,12

1,2 3,4 5,6 7,8 9,10 11,12 13,14 15,16 17,18 19,20 21,22 23,24

PPF

CCTV

TRAFFIC SIGNAL CABINET

C3 C4 C5 C6 C7 C8 C9 C10
ETHERNET SWITCH
(LAYER 2)
F1 F2

TRAFFIC SIGNAL
CONTROLLER
C3 C4 C5 C6 C7 C8 C9 C10

INTERCONNCET
CENTER PORT

**US RTE 14 AND IL RTE 53 WEST
RAMPS INTERSECTION**
(SEE TRAFFIC SIGNAL DRAWINGS)

24F SM , 12F MM
(SEE TRAFFIC SIGNAL DRAWINGS)

**US RTE 14 AND IL RTE 53 EAST
RAMPS INTERSECTION**
(SEE TRAFFIC SIGNAL DRAWINGS)

INTERCONNECT TO US 14 AND POST OFFICE ENT
(SEE TRAFFIC SIGNAL DRAWINGS)

W.D.
MODULE

IP RELAY

DMS CONTROLLER

CAB-148

DMS CABLE

CCTV-IL53-05

DMS

AP

IL RTE 53 / NORTH OF INDUSTRIAL AVE
(SEE SHEET ITS-31)

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = jaker	DESIGNED - MAG	REVISED - 1 10/29	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - DWG	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NETWORK COMMUNICATION LINK DIAGRAM

SCALE: NTS | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	668
		CONTRACT NO. 62W38		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: G:\PROJECTS\62300-63996346\113\Drawings\CAD\Micros-SS\CAD Sheets\D162W38-ITS-Network-Communication-Link-Diagram-04a-153-SAI.dgn

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-03-06		
DISTRIBUTION CABLE DESIGNATION			DCF-03-002	DESTINATION	CMV-03-03		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE 1	1		RED	BLUE 1	73	
	ORANGE 2	2			ORANGE 2	74	
	GREEN 3	3			GREEN 3	75	
	BROWN 4	4			BROWN 4	76	
	SLATE 5	5			SLATE 5	77	LCF-03-006, FIBER 1
	WHITE 6	6			WHITE 6	78	LCF-03-006, FIBER 2
	RED 7	7			RED 7	79	LCF-03-006, FIBER 3
	BLACK 8	8			BLACK 8	80	LCF-03-006, FIBER 4
	YELLOW 9	9			YELLOW 9	81	
	VIOLET 1	10			VIOLET 10	82	
	ROSE 11	11			ROSE 11	83	
	AQUA 1	12			AQUA 12	84	
ORANGE	BLUE 1	13		BLACK	BLUE 1	85	
	ORANGE 2	14			ORANGE 2	86	
	GREEN 3	15			GREEN 3	87	
	BROWN 4	16			BROWN 4	88	
	SLATE 5	17			SLATE 5	89	
	WHITE 6	18			WHITE 6	90	
	RED 7	19			RED 7	91	
	BLACK 8	20			BLACK 8	92	
	YELLOW 9	21			YELLOW 9	93	
	VIOLET 1	22			VIOLET 10	94	
	ROSE 11	23			ROSE 11	95	
	AQUA 1	24			AQUA 12	96	
GREEN	BLUE 1	25		YELLOW	BLUE 1	97	
	ORANGE 2	26			ORANGE 2	98	
	GREEN 3	27			GREEN 3	99	
	BROWN 4	28			BROWN 4	100	
	SLATE 5	29			SLATE 5	101	
	WHITE 6	30			WHITE 6	102	
	RED 7	31			RED 7	103	
	BLACK 8	32			BLACK 8	104	
	YELLOW 9	33			YELLOW 9	105	
	VIOLET 1	34			VIOLET 10	106	
	ROSE 11	35			ROSE 11	107	
	AQUA 1	36			AQUA 12	108	
BROWN	BLUE 1	37		VIOLET	BLUE 1	109	
	ORANGE 2	38			ORANGE 2	110	
	GREEN 3	39			GREEN 3	111	
	BROWN 4	40			BROWN 4	112	
	SLATE 5	41			SLATE 5	113	
	WHITE 6	42			WHITE 6	114	
	RED 7	43			RED 7	115	
	BLACK 8	44			BLACK 8	116	
	YELLOW 9	45			YELLOW 9	117	
	VIOLET 1	46			VIOLET 10	118	
	ROSE 11	47			ROSE 11	119	
	AQUA 1	48			AQUA 12	120	
SLATE	BLUE 1	49		ROSE	BLUE 1	121	
	ORANGE 2	50			ORANGE 2	122	
	GREEN 3	51			GREEN 3	123	
	BROWN 4	52			BROWN 4	124	
	SLATE 5	53			SLATE 5	125	
	WHITE 6	54			WHITE 6	126	
	RED 7	55			RED 7	127	
	BLACK 8	56			BLACK 8	128	
	YELLOW 9	57			YELLOW 9	129	
	VIOLET 1	58			VIOLET 10	130	
	ROSE 11	59			ROSE 11	131	
	AQUA 1	60			AQUA 12	132	
WHITE	BLUE 1	61		AQUA	BLUE 1	133	
	ORANGE 2	62			ORANGE 2	134	
	GREEN 3	63			GREEN 3	135	
	BROWN 4	64			BROWN 4	136	
	SLATE 5	65			SLATE 5	137	
	WHITE 6	66			WHITE 6	138	
	RED 7	67			RED 7	139	
	BLACK 8	68			BLACK 8	140	
	YELLOW 9	69			YELLOW 9	141	
	VIOLET 1	70			VIOLET 10	142	
	ROSE 11	71			ROSE 11	143	
	AQUA 1	72			AQUA 12	144	

DCF-03-002

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-03-06		
DISTRIBUTION CABLE DESIGNATION			DCF-03-008	DESTINATION	CMV-03-07		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE 1	1		RED	BLUE 1	73	
	ORANGE 2	2			ORANGE 2	74	
	GREEN 3	3			GREEN 3	75	
	BROWN 4	4			BROWN 4	76	
	SLATE 5	5			SLATE 5	77	LCF-03-006, FIBER 24
	WHITE 6	6			WHITE 6	78	LCF-03-006, FIBER 23
	RED 7	7			RED 7	79	LCF-03-006, FIBER 22
	BLACK 8	8			BLACK 8	80	LCF-03-006, FIBER 21
	YELLOW 9	9			YELLOW 9	81	
	VIOLET 1	10			VIOLET 10	82	
	ROSE 11	11			ROSE 11	83	
	AQUA 1	12			AQUA 12	84	
ORANGE	BLUE 1	13		BLACK	BLUE 1	85	
	ORANGE 2	14			ORANGE 2	86	
	GREEN 3	15			GREEN 3	87	
	BROWN 4	16			BROWN 4	88	
	SLATE 5	17			SLATE 5	89	
	WHITE 6	18			WHITE 6	90	
	RED 7	19			RED 7	91	
	BLACK 8	20			BLACK 8	92	
	YELLOW 9	21			YELLOW 9	93	
	VIOLET 1	22			VIOLET 10	94	
	ROSE 11	23			ROSE 11	95	
	AQUA 1	24			AQUA 12	96	
GREEN	BLUE 1	25		YELLOW	BLUE 1	97	
	ORANGE 2	26			ORANGE 2	98	
	GREEN 3	27			GREEN 3	99	
	BROWN 4	28			BROWN 4	100	
	SLATE 5	29			SLATE 5	101	
	WHITE 6	30			WHITE 6	102	
	RED 7	31			RED 7	103	
	BLACK 8	32			BLACK 8	104	
	YELLOW 9	33			YELLOW 9	105	
	VIOLET 1	34			VIOLET 10	106	
	ROSE 11	35			ROSE 11	107	
	AQUA 1	36			AQUA 12	108	
BROWN	BLUE 1	37		VIOLET	BLUE 1	109	
	ORANGE 2	38			ORANGE 2	110	
	GREEN 3	39			GREEN 3	111	
	BROWN 4	40			BROWN 4	112	
	SLATE 5	41			SLATE 5	113	
	WHITE 6	42			WHITE 6	114	
	RED 7	43			RED 7	115	
	BLACK 8	44			BLACK 8	116	
	YELLOW 9	45			YELLOW 9	117	
	VIOLET 1	46			VIOLET 10	118	
	ROSE 11	47			ROSE 11	119	
	AQUA 1	48			AQUA 12	120	
SLATE	BLUE 1	49		ROSE	BLUE 1	121	
	ORANGE 2	50			ORANGE 2	122	
	GREEN 3	51			GREEN 3	123	
	BROWN 4	52			BROWN 4	124	
	SLATE 5	53			SLATE 5	125	
	WHITE 6	54			WHITE 6	126	
	RED 7	55			RED 7	127	
	BLACK 8	56			BLACK 8	128	
	YELLOW 9	57			YELLOW 9	129	
	VIOLET 1	58			VIOLET 10	130	
	ROSE 11	59			ROSE 11	131	
	AQUA 1	60			AQUA 12	132	
WHITE	BLUE 1	61		AQUA	BLUE 1	133	
	ORANGE 2	62			ORANGE 2	134	
	GREEN 3	63			GREEN 3	135	
	BROWN 4	64			BROWN 4	136	
	SLATE 5	65			SLATE 5	137	
	WHITE 6	66			WHITE 6	138	
	RED 7	67			RED 7	139	
	BLACK 8	68			BLACK 8	140	
	YELLOW 9	69			YELLOW 9	141	
	VIOLET 1	70			VIOLET 10	142	
	ROSE 11	71			ROSE 11	143	
	AQUA 1	72			AQUA 12	144	

DCF-03-008

⚠1 REVISED SHEET 10/31/2024

ITS–75

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(615) 744-4200

USER NAME = Jaker	DESIGNED - RRS	REVISED - ⚠1 10/29	
	DRAWN - JLN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - BMS	REVISED -	
PLOT DATE = 10/25/2024	DATE - 8/23/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
CMV–03–06

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	676
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

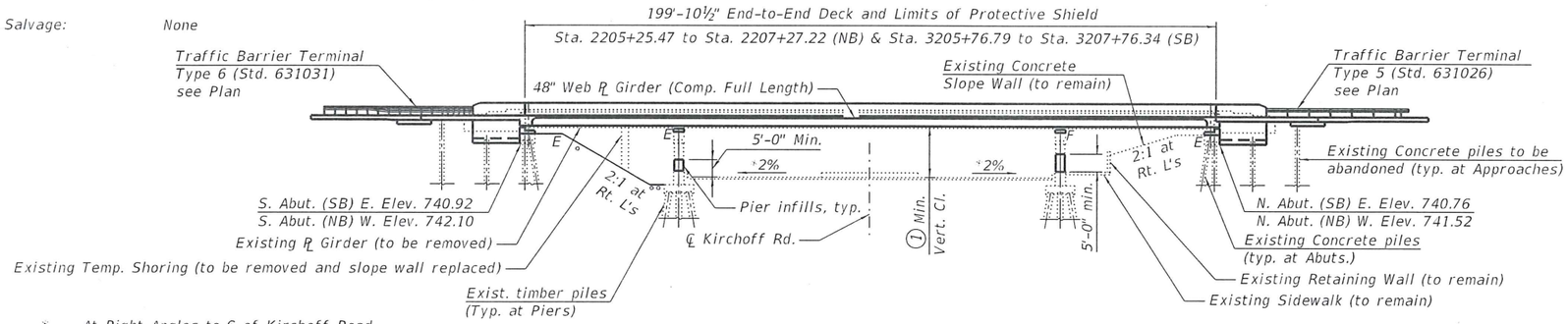
MODEL: Default
FILE NAME: G:\PROJECTS\6300-6399\6346\113\Drawings\CAD\Microstation\CAD_Sheets\D162W38-sht-ITS-DCFA-01-IL53-SAI.dgn

Benchmark: BM 35 Elevation 744.637. Cut cross on the Northeast corner of the concrete foundation for an above ground traffic pedestal (marked "146") located between the Southbound IL Route 53 lanes and the Southbound IL Route 53 entrance ramp. Pedestal is approximately 460' South of the Kirchoff Road bridge.

Existing Structure: Structure Numbers 016-0376 and 016-1121 (NB IL-53 and SB IL-53 respectively) were originally built in 1963 under section 531-1HB-8. The existing structures consist of a three-span hinged in span 1 and 3 continuous steel superstructure with a 7" reinforced concrete deck supported by a multi-column pier and stub abutments. The bridge measures 202'-7¼" back to back abutment along the local tangent with a skew of 42°42'58" ahead left. The bridge is measured 60'-9¼" out to out. In 1971 the deck was repaired and an overlay was placed. In 1981 the existing longitudinal joint was closed and the expansion joint was reconstructed. In 1991 the expansion joint and parapet were reconstructed, the deck was repaired, and an overlay was placed. In 2001 the expansion bearings were replaced. In 2010 the expansion joints were reconstructed, the deck and overlay were patched, the longitudinal deck joint was resealed, and repairs to the parapets and slope walls were performed. Emergency shoring was installed under each hinge location in 2019, excluding the fascia beams.

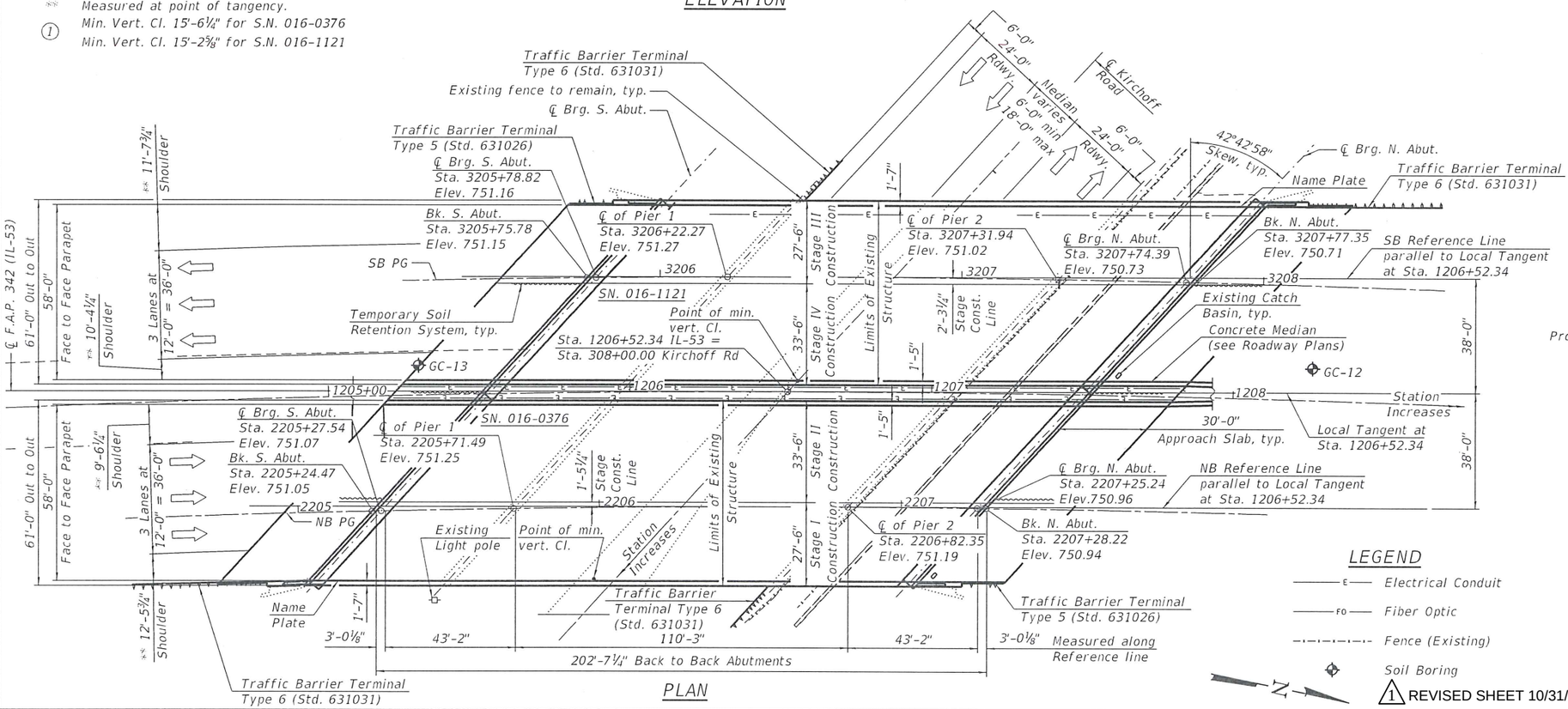
Traffic Control: Traffic is to be maintained utilizing staged construction.

Salvage: None



ELEVATION

* At Right Angles to ℄ of Kirchoff Road.
** Measured at point of tangency.
① Min. Vert. Cl. 15'-6¼" for S.N. 016-0376
Min. Vert. Cl. 15'-2⅜" for S.N. 016-1121



PLAN

LEGEND

- E — Electrical Conduit
- FO — Fiber Optic
- Fence (Existing)
- Soil Boring

1 REVISED SHEET 10/31/2024

Nathan D. Rick, S.E.
Licensed Structural Engineer
State of Illinois No. 081-007039
Registration Expires 11/30/2024
DATE: 10/23/2024

STA. 1206+52.34
REBUILT 202X BY
STATE OF ILLINOIS
F.A.P. RTE. 342
SEC. (531) BR 23
LOADING HL-93
STR. NO. 016-0376

STA. 1206+52.34
REBUILT 202X BY
STATE OF ILLINOIS
F.A.P. RTE. 342
SEC. (531) BR 23
LOADING HL-93
STR. NO. 016-1121

NAME PLATES

(See Std. 515001 and Note 3)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition (Existing Construction)

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition (New Construction)

2006 Seismic Retrofitting Manual for Highway Structures: Part 1 - Bridges (FHWA-HRT-06-032)

EXISTING CONSTRUCTION LOADING HS20-44
NEW CONSTRUCTION LOADING HL-93

Allow 25#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Retrofit Category (SRC) = A
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.059g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.108g
Soil Site Class = C

DESIGN STRESSES

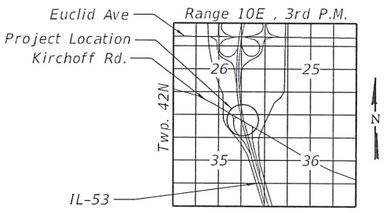
FIELD UNITS

f'c = 4,000 psi (Superstructure)
f'c = 3,500 psi (Substructure)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

FIELD UNITS (EXISTING CONSTRUCTION)

fc = 1,400 psi (Substructure)
fs = 20,000 psi (Reinforcement)

Notes:
1. Up to ¼" may be ground off the bridge deck and the bridge approach slabs.
2. All structural steel to be metallized.
3. Existing Name Plates shall be cleaned and relocated next to the new Name Plates. Cost included with Name Plates.



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
F.A.P. 342 (IL-53) OVER KIRCHOFF ROAD
SECTION (531) BR 23
COOK COUNTY
STA. 1206+52.34
STRUCTURE NO. 016-1121 (SB)
STRUCTURE NO. 016-0376 (NB)

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = codyh	DESIGNED - TJE	REVISED - 1 10/29/2024
		CHECKED - NDR	REVISED -
	PLOT SCALE = 0:2.0000 '=' / in.	DRAWN - CJH	REVISED -
	PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-0376 (NB) AND 016-1121 (SB)
SHEET 1 OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	686
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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10/23/2024 1:45:30 PM

GENERAL NOTES

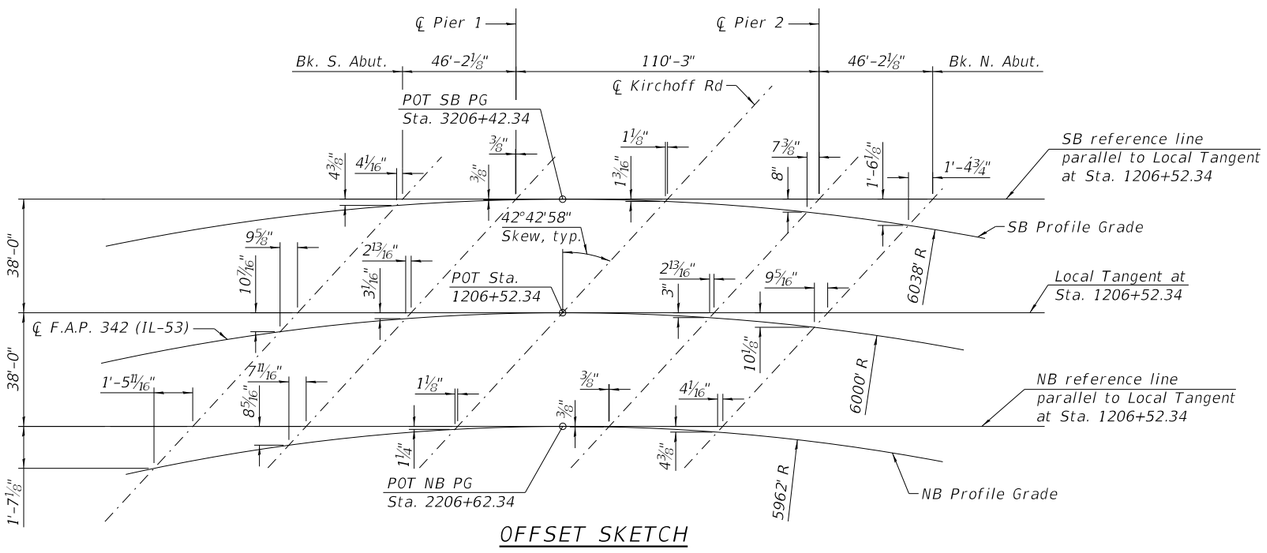
1. Fasteners shall be ASTM F 3125 Grade A325 Type 1, hot dip galvanized bolts in metallized areas. Bolts ⅞" diameter, holes $1^{5}/_{16}$" diameter, unless otherwise noted. See special provision for "Metalizing of Structural Steel".
2. Calculated weight of Structural Steel = 646,240 lbs (Grade 50)
   = 88,390 lbs (Grade 36)
3. All structural steel shall be AASHTO M270 Grade 50 or Grade 36 and shall be metallized. See Special Provision for "Metallizing of Structural Steel."
4. No field welding is permitted except as specified in the contract documents.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interiorbeam at each of these additional bracket locations.
7. The Concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machince used for finishing shall be set parallel to the skew for striking off and screeding the concrete.
8. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ⅛" (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
9. Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
10. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
11. Concrete surfaces that are to recieve the textured form liner treatment shall also be tinted according to the special provision for "Concrete Color Additive". The revealed of Concrete Sealant (Special). All other surfaces to receive application of Protective Coat.
12. An existing debris shield is present full length of Span 2 and partially present in Spans 1 and 3. The staged removal of this debris shield is to be preformed concurrently with the staged removal of the superstructures. This work will not be individually measured for payment but is considered to be included with the cost of "Removal of Existing Superstructures No. 3 and No. 4."

INDEX OF SHEETS

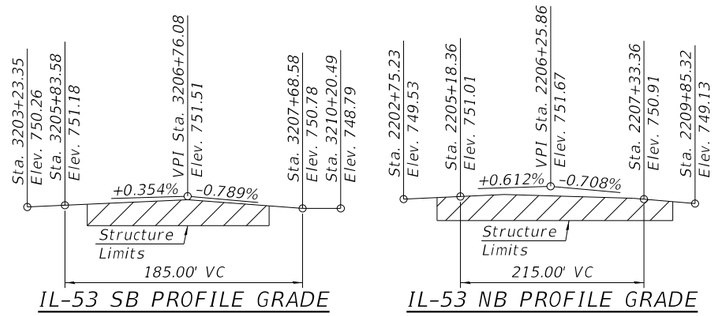
1	General Plan & Elevation	40	Camber Diagram
2	General Notes & Total Bill of Materials	41–42	Bearing Details
3–4	Construction Staging	43	Concrete Removal/Repair South Abutment (NB)
5	Temporary Concrete Barrier	44	Concrete Removal/Repair South Abutment (SB)
6	Top of Deck Slab Elevation Layout	45	Concrete Removal/Repair North Abutment (NB)
7–14	Top of Deck Slab Elevation Deflection Diagrams	46	Concrete Removal/Repair North Abutment (SB)
15–18	Top of Approach Slab Elevations	47	Concrete Removal/Repair Pier 1 (NB)
19	Deck Plan (NB)	48	Concrete Removal/Repair Pier 1 (SB)
20	Cross Section (NB)	49	Concrete Removal/Repair Pier 2 (NB)
21	Deck Plan (SB)	50	Concrete Removal/Repair Pier 2 (SB)
22	Cross Section (SB)	51	Abutment Plan & Elevation South (NB)
23	Parapet Elevations	52	Abutment Plan & Elevation South (SB)
24	Deck & Parapet Details	53	Abutment Plan & Elevation North (NB)
25–26	Semi-Integral Diaphragm	54	Abutment Plan & Elevation North (SB)
27	Semi-Integral Details	55	Wing Wall Plan & Elevation (NB)
28–29	Approach Slab Plan (NB)	56	Wing Wall Plan & Elevation (SB)
30	Approach Slab Cross Section (NB)	57	Pier 1 Modification Details (NB)
31–32	Approach Slab Plan (SB)	58	Pier 1 Modification Details (SB)
33	Approach Slab Cross Section (SB)	59	Pier 2 Modification Details (NB)
34	Approach Slab Details	60	Pier 2 Modification Details (SB)
35	Framing Plan	61	Northbound Slope Wall Repair
36	Girder Elevations & Details	62	Southbound Slope Wall Repair
37	Interior Moment & Reaction Tables	63	Concrete Parapet Slip Forming Option
38	Splice Details	64	Bar Splicer Details
39	Cross Frames & Beam Details	64A	Median Sliding Plate
		65–66	Soil Borings

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total	
Removal of Existing Superstructures No. 1	EACH	1		1	
Removal of Existing Superstructures No. 2	EACH	1		1	
Concrete Removal	CU YD		239.1	239.1	
Slope Wall Removal	SQ YD		635	635	1
Protective Shield	SQ YD	2,678		2,678	
Structure Excavation	CU YD		2,416	2,416	
Concrete Structures	CU YD		458.0	458.0	1
Concrete Superstructure	CU YD	854.1		854.1	
Protective Coat	SQ YD	3,809		3,809	
Concrete Superstructure (Approach Slab)	CU YD	335.0		335.0	
Furnishing and Erecting Structural Steel	L SUM	0.53		0.53	1
Stud Shear Connectors	EACH	28,569		28,569	
Reinforcement Bars, Epoxy Coated	POUND	418,670	33,440	452,110	
Bar Splicers	EACH	2,066		2,066	
Mechanical Splicers	EACH	44	67	111	
Slope Wall 4 Inch	SQ YD		635	635	1
Name Plates	EACH	2		2	
Elastomeric Bearing Assembly, Type I	EACH	48		48	
Anchor Bolts, 1"	EACH	96		96	
Anchor Bolts, 1 1/2"	EACH	32		32	
Temporary Soil Retention System	SQ FT		962	962	
Granular Backfill for Structures	CU YD		2,025	2,025	1
Concrete Sealer	SQ FT		5,022	5,022	
Geocomposite Wall Drain	SQ YD		713	713	
Pipe Underdrains for Structures 4"	FOOT		431	431	
Slope Wall Crack Sealing	FOOT		805	805	1
Concrete Color Additive	CU YD	74.8		74.8	
Bridge Deck Grooving (Longitudinal)	SQ YD	3,224		3,224	
Form Liner Textured Surface (Special)	SQ FT	1,625		1,625	
Bar Terminators	EACH	872		872	
Cleaning Bridge Seats	SQ FT		129	129	
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT		100	100	
Structural Repair of Concrete (Depth Greater Than 5 Inches)	SQ FT		4	4	
Diamond Grinding (Bridge Section)	SQ YD	3,121		3,121	
Slope Wall Repair	SQ YD		20	20	1
Concrete Sealant (Special)	SQ YD	146		146	



OFFSET SKETCH



IL-53 SB PROFILE GRADE

IL-53 NB PROFILE GRADE

Note: The IL-53 Profile Grades show the final grade after grinding

CURVE DATA

SB PG (016-1121)
PI STA. = 3216+90.84
Δ = 28° 03' 08" (RT)
D = 0° 56' 56"
R = 6,038.00'
T = 1,508.36'
L = 2,956.21'
E = 185.55'
P.C. STA. = 3201+82.48
P.T. STA. = 3231+38.69

CENTERLINE IL-53
PI STA. = 1216+94.24
Δ = 28° 03' 07" (RT)
D = 0° 57' 18"
R = 6,000.00'
T = 1,498.86'
L = 2,937.60'
E = 184.38'
P.C. STA. = 1201+95.38
P.T. STA. = 1231+32.97

NB PG (016-0376)
PI STA. = 2216+97.63
Δ = 28° 03' 07" (RT)
D = 0° 57' 40"
R = 5,962.00'
T = 1,489.36'
L = 2,918.99'
E = 183.21'
P.C. STA. = 2202+08.27
P.T. STA. = 2231+27.26

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = emilyre	DESIGNED - TJE	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND TOTAL BILL OF MATERIAL STRUCTURE NO. 016-0376 (NB) AND 016-1121 (SB)	F.A.P. RTE. 342
	CHECKED - NDR	REVISED -			SECTION (531) BR 23
PLOT SCALE = 0:2.0000 ':' / in.	DRAWN - CJH	REVISED -			COUNTY COOK
PLOT DATE = 10/28/2024	CHECKED - TJE	REVISED -		SHEET 2 OF 66 SHEETS	TOTAL SHEETS 1211
					SHEET NO. 687
					CONTRACT NO. 62W38
					ILLINOIS FED. AID PROJECT

MODEL: Default
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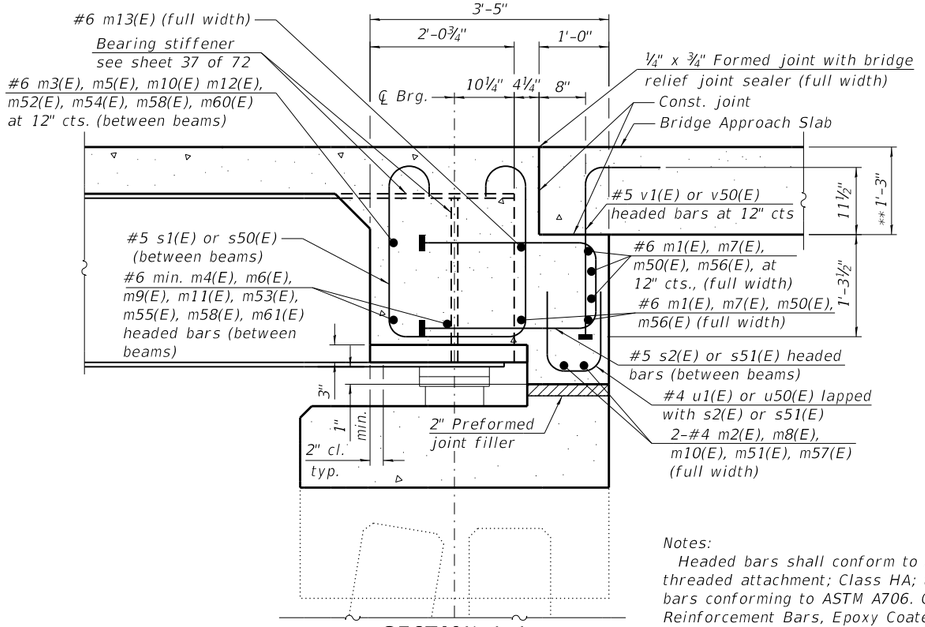


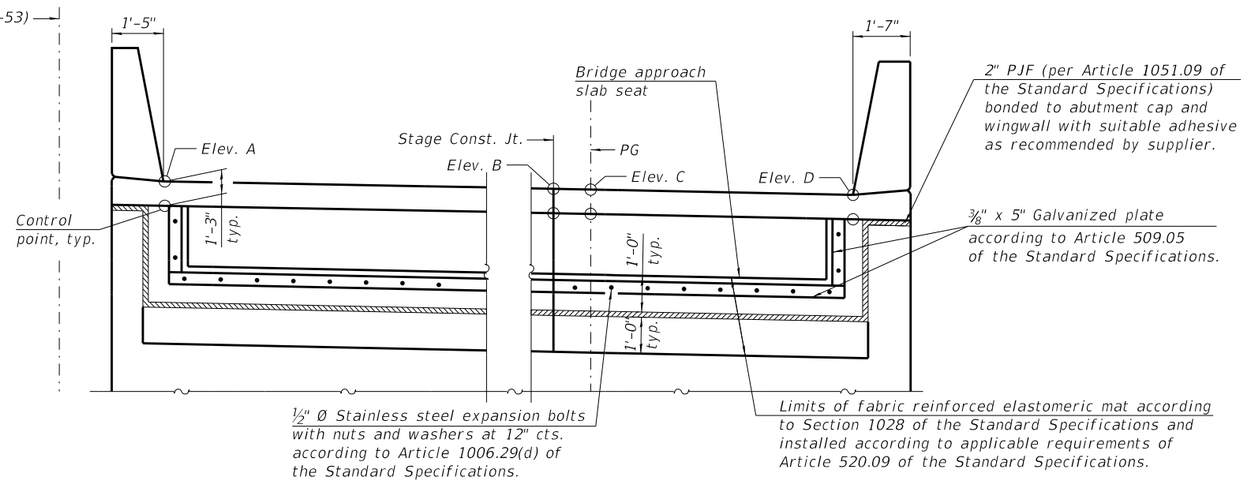
SECTION A-A

(Horiz. dim. at Rt. <'s to Bk. of Abut.)

Notes:

Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

The s1(E), s2(E), s50(E), s51(E), u1(E), u50(E), v1(E), and v50(E) bars are placed parallel to beams and spaced at right angles to beams.

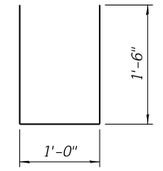


ELEVATION

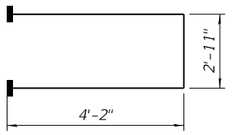
(Looking at back of abutment)

**BACK OF ABUTMENT ELEVATIONS

Elev.	S.N. 016-1121		S.N. 016-0376	
	S. Abut	N. Abut	S. Abut	N. Abut
A	751.72	751.06	751.92	751.44
B	751.13	750.72	751.15	750.99
C	751.17	750.73	751.07	750.97
D	750.39	750.29	750.49	750.61

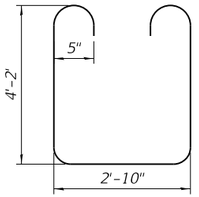


BAR u1(E), u50(E)

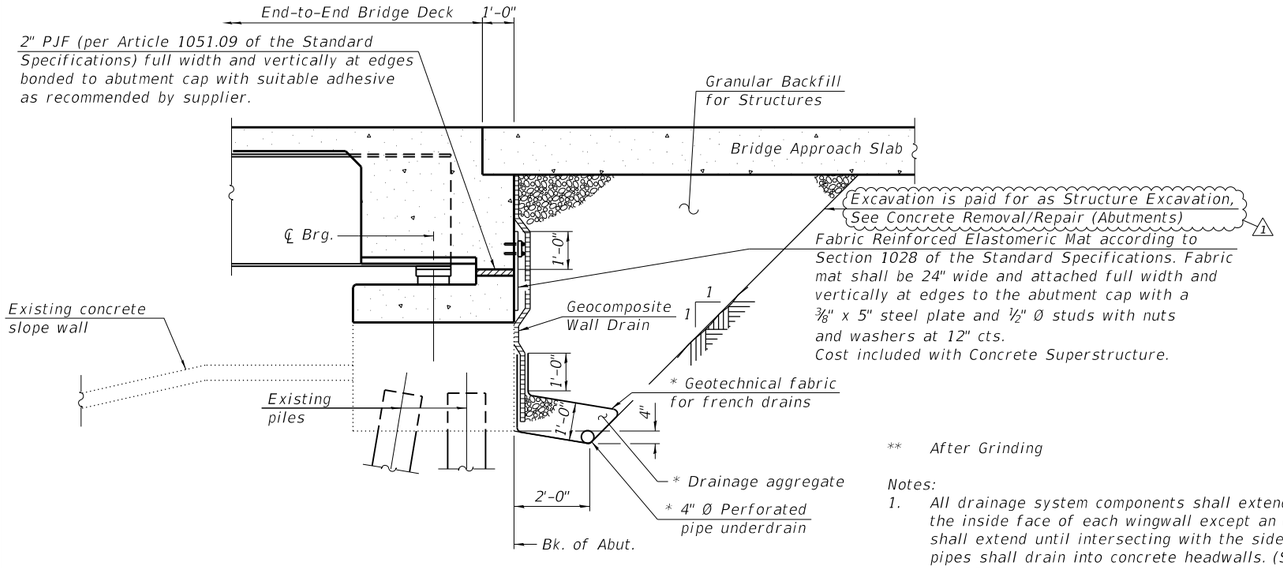


BAR s2(E), s51(E)

(Headed)



BAR s1(E), s50(E)



SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. at Rt. ℄'s to Bk. of Abut.)

*Included in the cost of Pipe Underdrains for Structures.

** After Grinding

Notes:

1. All drainage system components shall extend to 2'-0" from the inside face of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).
2. The approach slab ledge shall have a constant slope determined from the control points shown.
3. Cost of fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers and installation are included in the cost of Concrete Superstructure.

SEMI-INTEGRAL DIAPHRAGM BILL OF MATERIAL

Structure No. 016-0376 (NB)

Bar	No.	Size	Length	Shape
m1(E)	12	#6	33'-6"	——
m2(E)	4	#4	33'-6"	——
m3(E)	6	#6	2'-10"	——
m4(E)	4	#6	2'-10"	——
m5(E)	24	#6	9'-8"	——
m6(E)	16	#6	9'-8"	——
m7(E)	24	#6	26'-0"	——
m8(E)	8	#4	23'-7"	——
m9(E)	6	#6	4'-8"	——
m10(E)	4	#6	4'-8"	——
m11(E)	12	#6	10'-10"	——
m12(E)	18	#6	10'-10"	——
s1(E)	134	#5	12'-0"	⊔
s2(E)	134	#5	11'-3"	⊐
u1(E)	134	#5	4'-0"	⊔
Concrete Superstructures			CU YD	55.6
Reinforcement Bars, Epoxy Coated			POUND	6,750
Mechanical Splicers			EACH	22
Bar Terminators			EACH	268
Geocomposite Wall Drain			SQ YD	218
Granular Backfill for Structures			CU YD	1,086
Pipe UnderDrains for Structures 4"			FOOT	218

Structure No. 016-1121 (SB)

Bar	No.	Size	Length	Shape
m50(E)	12	#6	32'-6"	——
m51(E)	4	#4	32'-6"	——
m52(E)	6	#6	3'-4"	——
m53(E)	4	#6	3'-4"	——
m54(E)	24	#6	9'-8"	——
m55(E)	16	#6	9'-8"	——
m56(E)	24	#6	26'-7"	——
m57(E)	8	#4	25'-5"	——
m58(E)	6	#6	4'-6"	——
m59(E)	4	#6	4'-6"	——
m60(E)	18	#6	10'-9"	——
m61(E)	12	#6	10'-9"	——
s50(E)	134	#5	10'-8"	⊔
s51(E)	134	#5	11'-3"	⊐
u50(E)	134	#5	4'-0"	⊔
Concrete Superstructures			CU YD	55.6
Reinforcement Bars, Epoxy Coated			POUND	6,570
Mechanical Splicers			EACH	22
Bar Terminators			EACH	268
Geocomposite Wall Drain			SQ YD	213
Granular Backfill for Structures			CU YD	932
Pipe UnderDrains for Structures 4"			FOOT	213

1 REVISED SHEET 10/31/2024

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PLOT DATE = 10/28/2024	CHECKED - TJE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEMI-INTEGRAL DIAPHRAGM DETAILS
STRUCTURE NO. 016-0376 (NB) AND 016-1121 (SB)

SHEET 27 OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	712
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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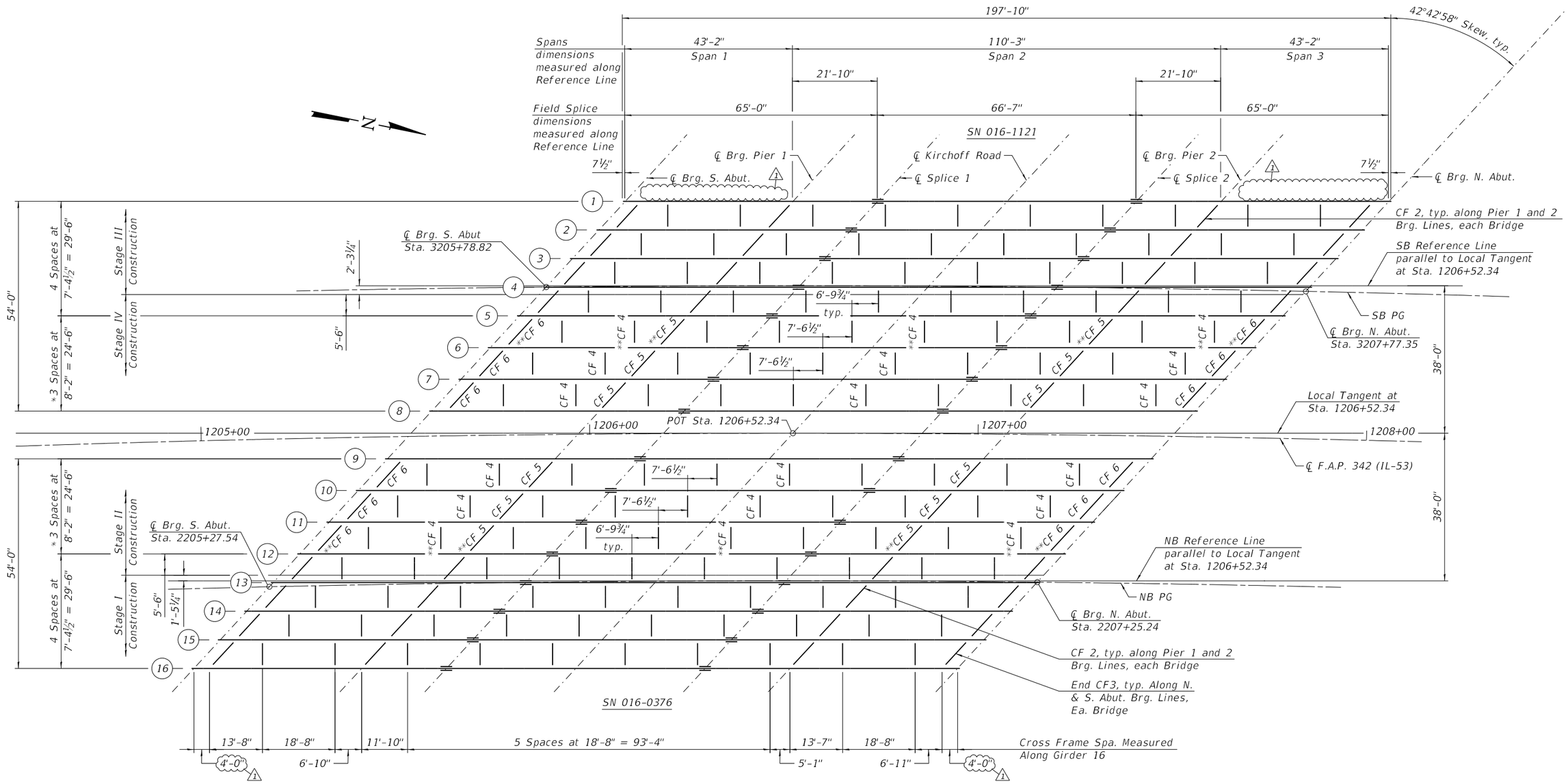

FRAMING PLANS

* CF4 is present between Girders 5-6, 6-7, 7-8, 9-10, 10-11, and 11-12 at each perpendicular Interior Cross Frame location. For clarity, only one location is marked in each span, excluding Cross Frames at bearing lines marked otherwise.

** Use long slotted holes on each connection plate each side of cross frame between stage I/II and stage III/IV construction see sheet 49 of 66 for detail.

1 REVISED SHEET 10/31/2024

Notes:
1. Work this sheet with sheets 36 thru 40 of 66.
2. All interior cross frames shall be CF 1 U.N.O.
3. For Layout Sketch, see sheet 2 of 66.

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PLOT SCALE = 0:2.0000 ':' / in.	DRAWN - CJH	REVISED -			
PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -		SHEET 35 OF 66 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	720
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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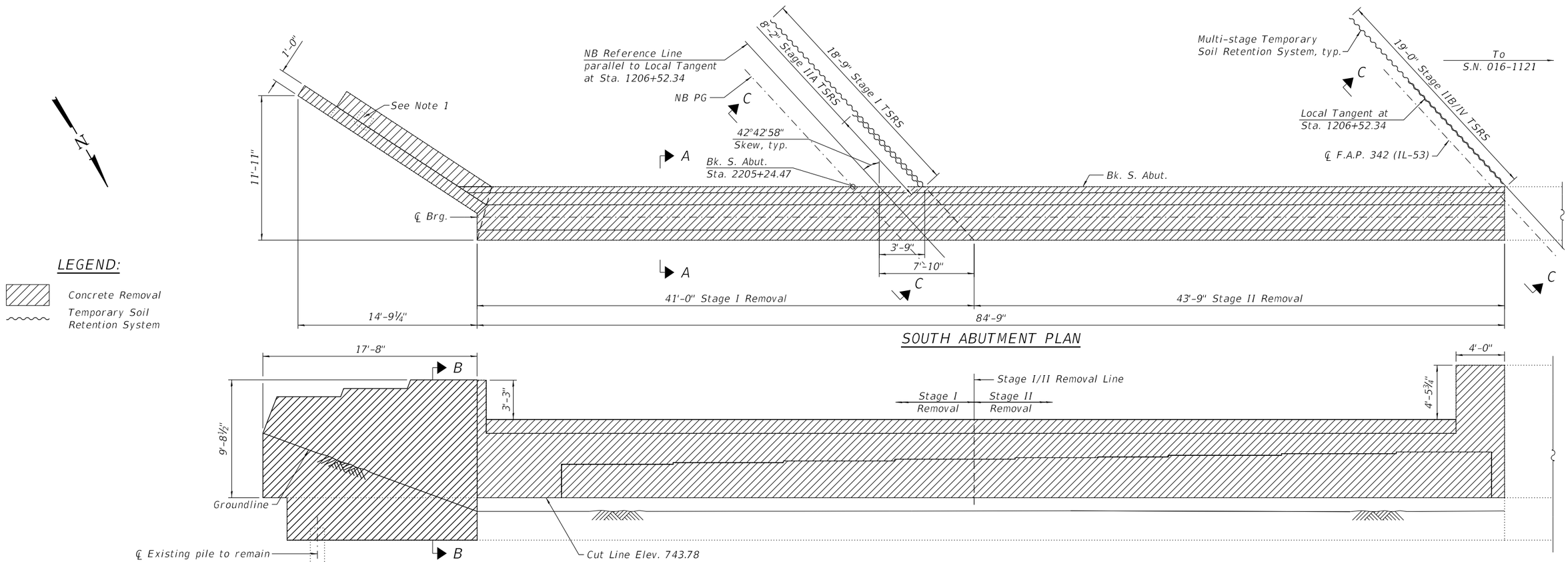

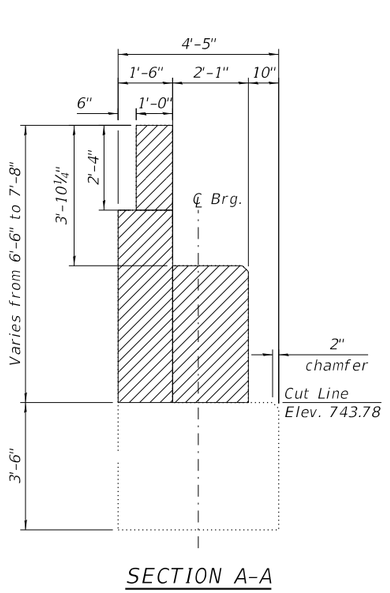

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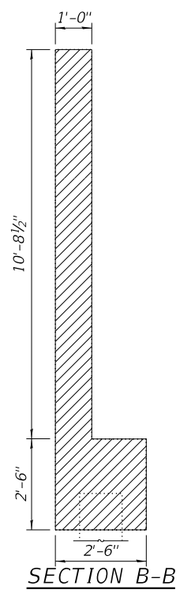

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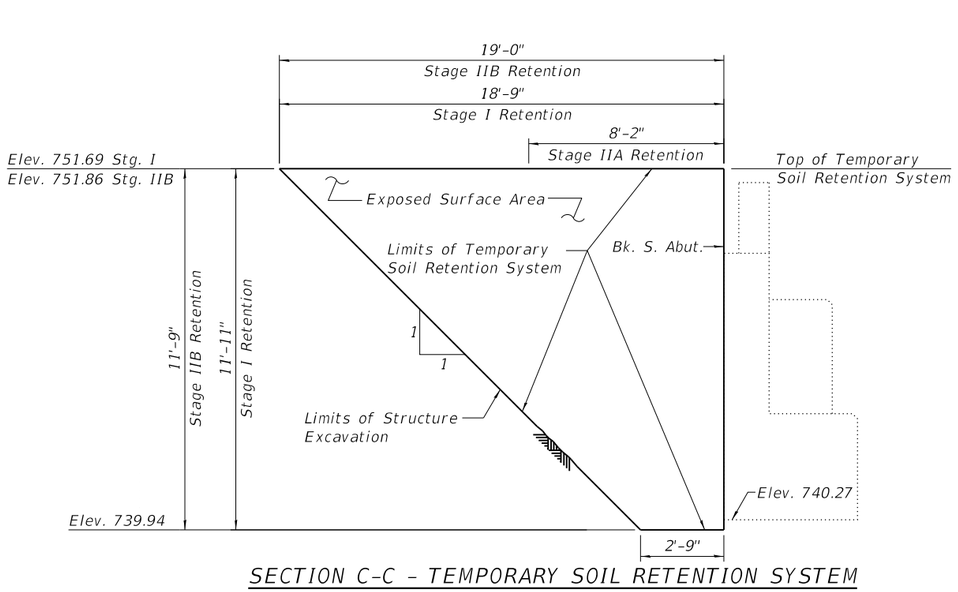

SECTION C-C - TEMPORARY SOIL RETENTION SYSTEM

BILL OF MATERIALS

Item	Unit	Total
Concrete Removal	CU YD	61.0
Structure Excavation	CU YD	645
Temporary Soil Retention System	SQ FT	318

1

1 REVISED SHEET 10/31/2024

Notes:
1. Contractor to take care not to damage pile or pile anchorage during Concrete Removal.
2. The elevations and dimensions shown are calculated based on existing plans and field measurements. The Contractor shall verify in field and make necessary approved adjustments prior to removal, repairs, or ordering of materials. For additional information, see Existing Drawings.
3. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.
4. Specified Temporary Soil Retention System will be used for 2 separate construction stages due to necessary modifications required between stages.
5. For Offset sketch, see sheet 2 of 66.

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PLOT DATE = 10/28/2024	CHECKED - NDR	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL / REPAIR (ABUTMENTS) (1 OF 2)
STRUCTURE NO. 016-0376 (NB)
SHEET 43 OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	728
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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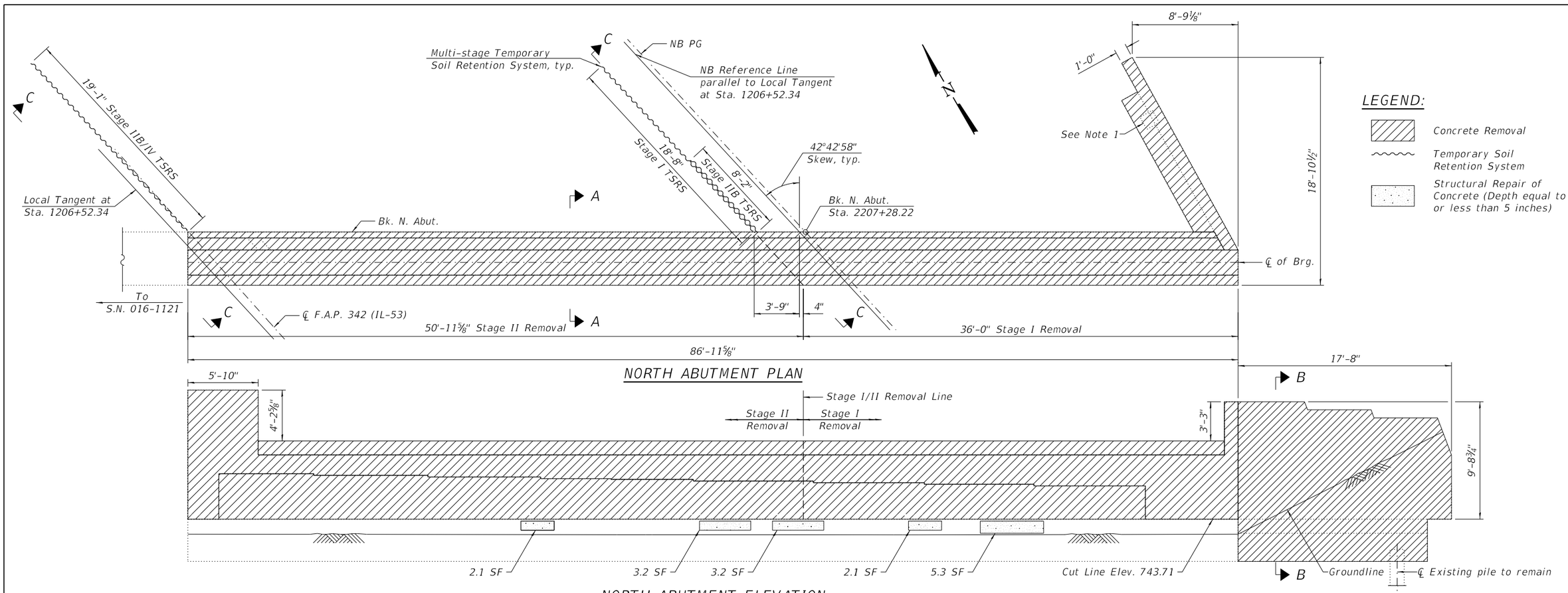

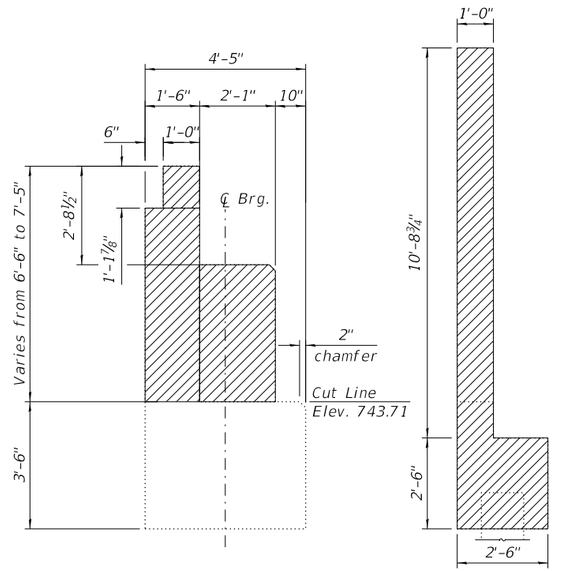

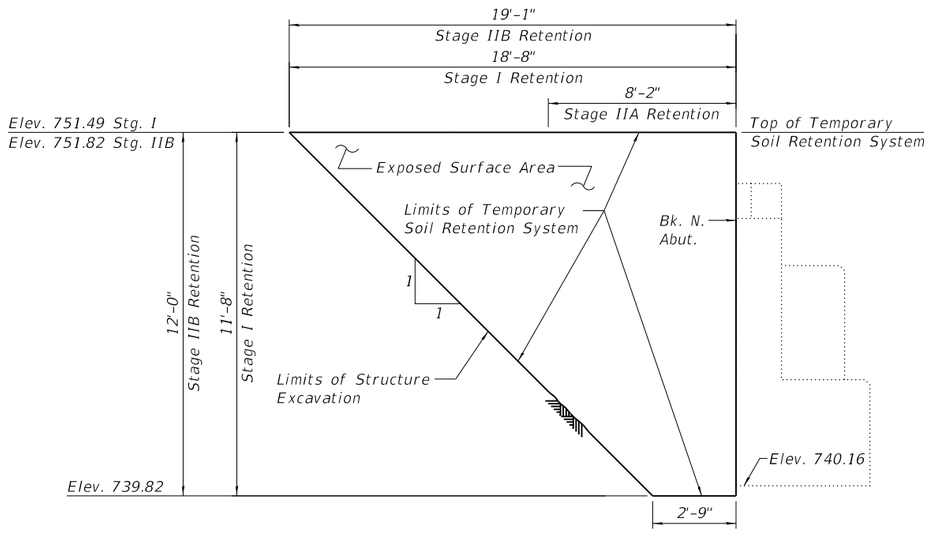

BILL OF MATERIALS

Item	Unit	Total
Concrete Removal	CU YD	62.2
Structure Excavation	CU YD	653
Temporary Soil Retention System	SQ FT	318
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT	16

1

1 REVISED SHEET 10/31/2024

Notes:

1. Contractor to take care not to damage pile or pile anchorage during Concrete Removal.
2. The elevations and dimensions shown are calculated based on existing plans and field measurements. The Contractor shall verify in field and make necessary approved adjustments prior to removal, repairs, or ordering of materials. For additional information, see Existing Drawings.
3. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.
4. Specified Temporary Soil Retention System will be used for 2 separate construction stages due to necessary modifications required between stages.
5. For Offset sketch, see sheet 2 of 66.

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	CHECKED - NDR	REVISED -			
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PLOT DATE = 10/28/2024	CHECKED - NDR	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	729
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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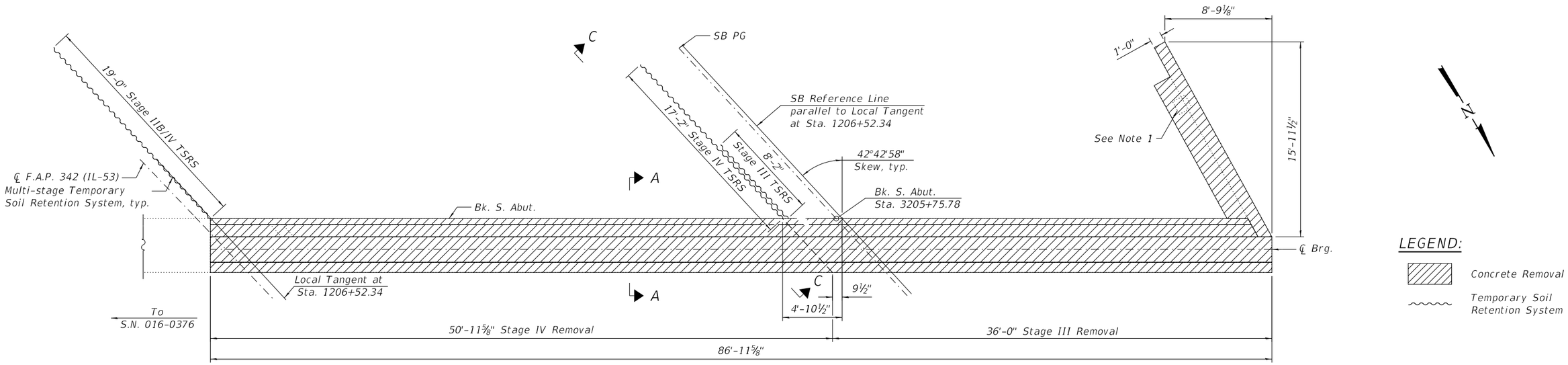
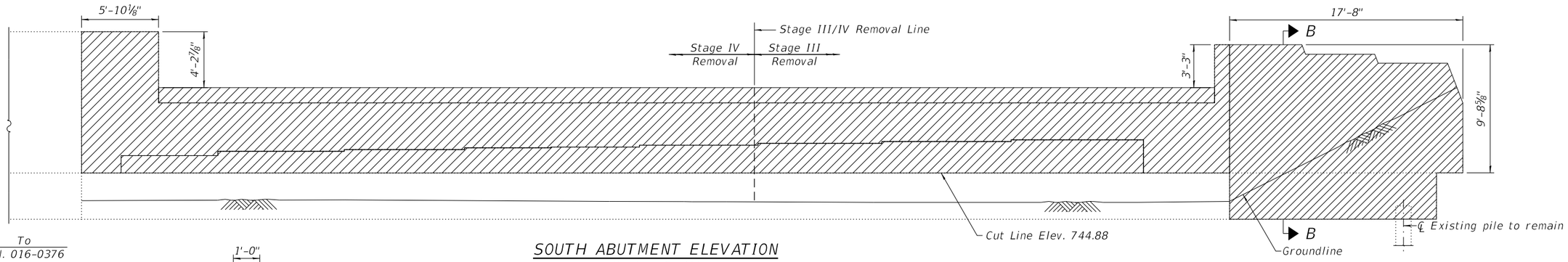
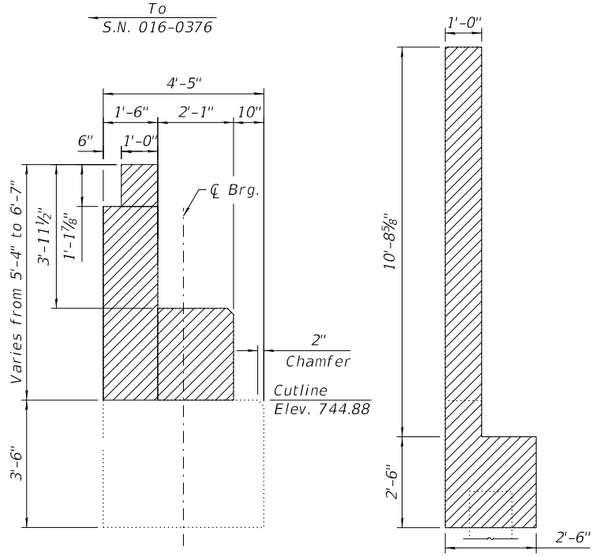


SOUTH ABUTMENT PLAN



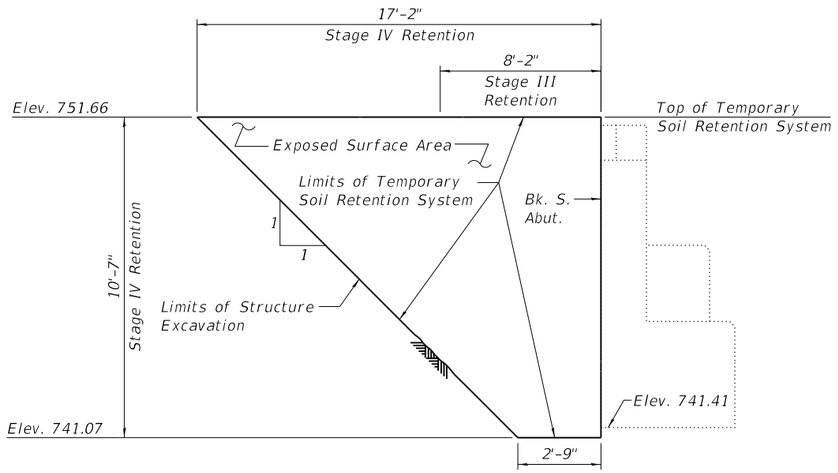


SECTION A-A

SECTION B-B

SOUTH ABUTMENT ELEVATION

(Looking South)



SECTION C-C - TEMPORARY SOIL RETENTION SYSTEM

BILL OF MATERIALS

Item	Unit	Total
Concrete Removal	CU YD	49.9
Structure Excavation	CU YD	553
Temporary Soil Retention System	SQ FT	162

1

1 REVISED SHEET 10/31/2024

Notes:

1. Contractor to take care not to damage pile or pile anchorage during Concrete Removal.
2. The elevations and dimensions shown are calculated based on existing plans and field measurements. The Contractor shall verify in field and make necessary approved adjustments prior to removal, repairs, or ordering of materials. For additional information, see Existing Drawings.
3. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.
4. Specified Temporary Soil Retention System will be used for 2 separate construction stages due to necessary modifications required between stages.
5. For Offset sketch, see sheet 2 of 66.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL / REPAIR (ABUTMENTS) (1 OF 2)
STRUCTURE NO. 016-1121 (SB)

SHEET 45 OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	730
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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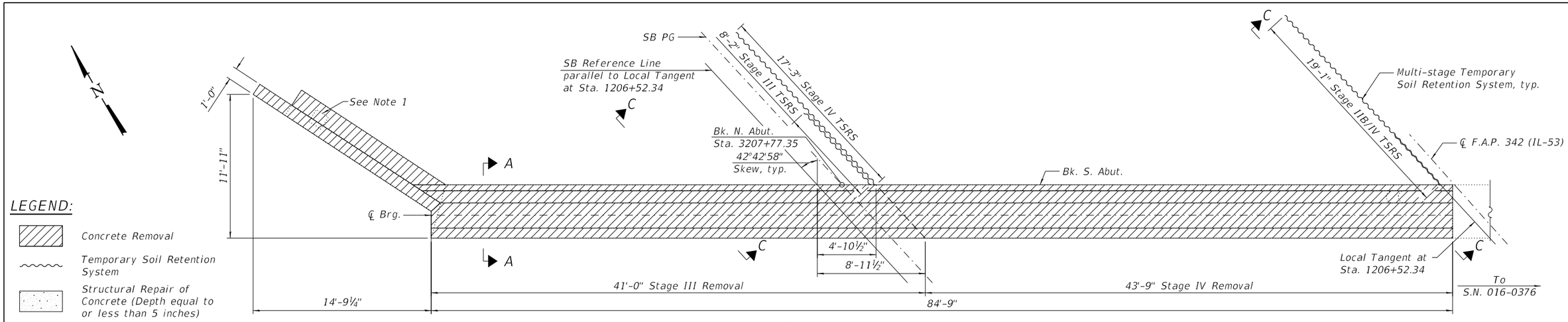
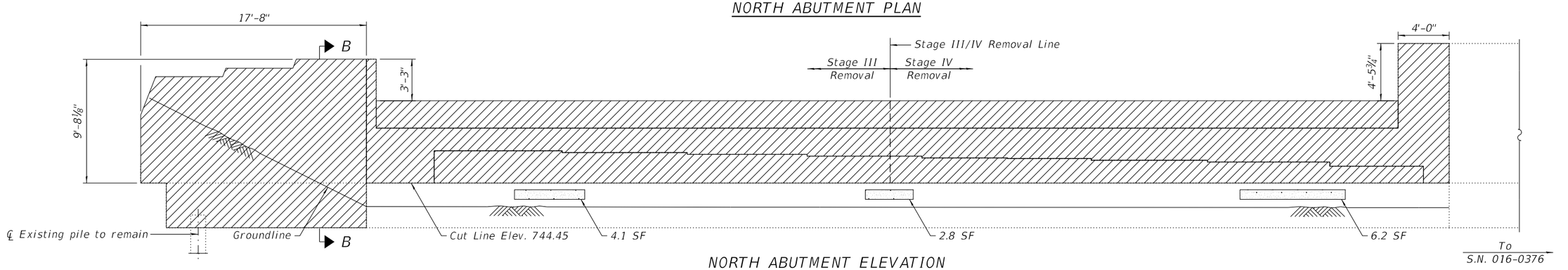
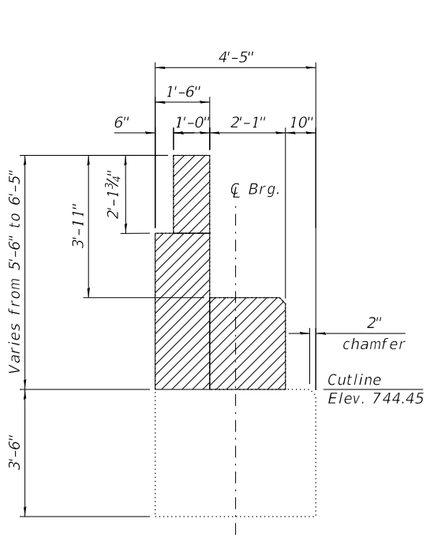


NORTH ABUTMENT PLAN

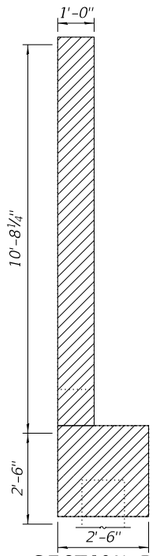


NORTH ABUTMENT ELEVATION

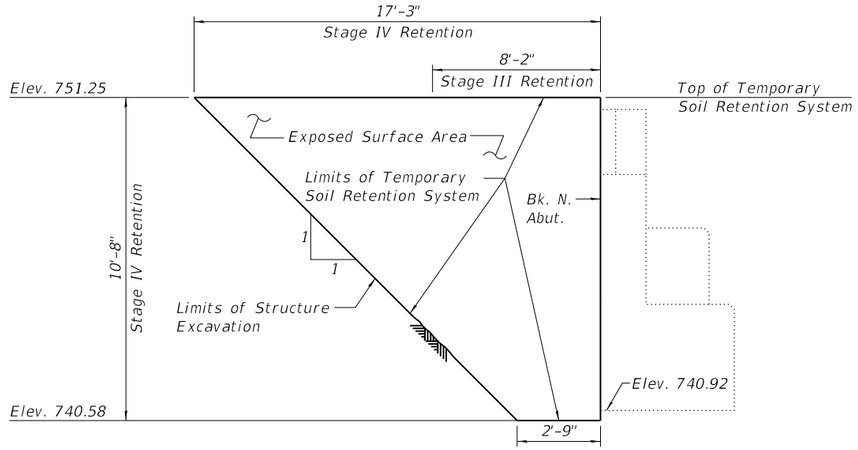
(Looking North)



SECTION A-A



SECTION B-B



SECTION C-C - TEMPORARY SOIL RETENTION SYSTEM

BILL OF MATERIALS

Item	Unit	Total
Concrete Removal	CU YD	49.2
Structure Excavation	CU YD	565
Temporary Soil Retention System	SQ FT	164
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT	14

1 REVISED SHEET 10/31/2024

Notes:

1. *Contractor to take care not to damage pile or pile anchorage during Concrete Removal.*
2. *The elevations and dimensions shown are calculated based on existing plans and field measurements. The Contractor shall verify in field and make necessary approved adjustments prior to removal, repairs, or ordering of materials. For additional information, see Existing Drawings.*
3. *A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.*
4. *Specified Temporary Soil Retention System will be used for 2 separate construction stages due to necessary modifications required between stages.*
5. *For Offset sketch, see sheet 2 of 66.*

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		CHECKED - NDR	REVISED -		SHEET 46 OF 66 SHEETS
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PLOT DATE = 10/28/2024		CHECKED - NDR	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	731
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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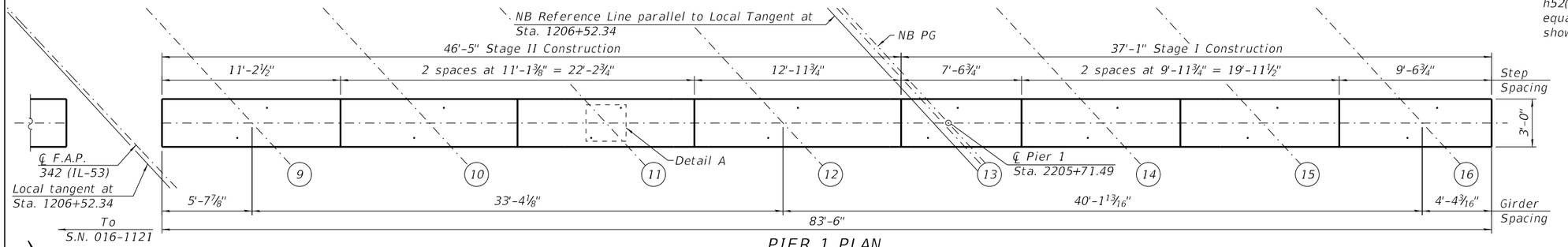
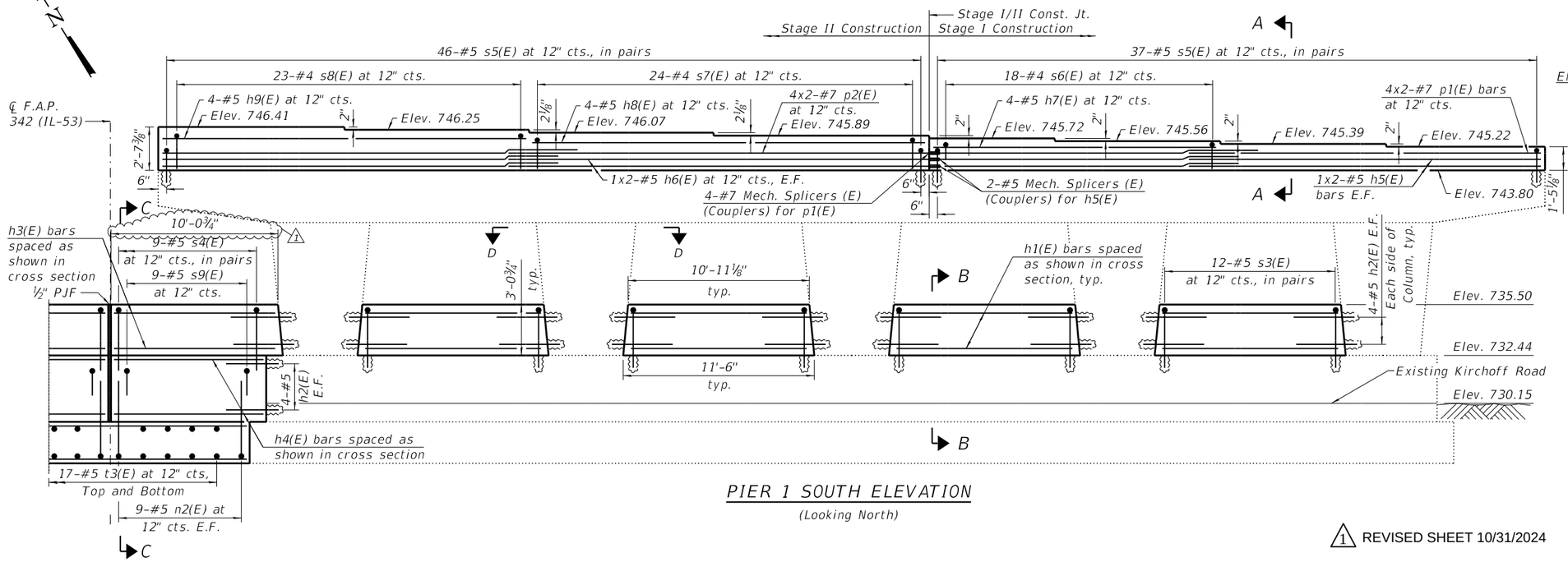
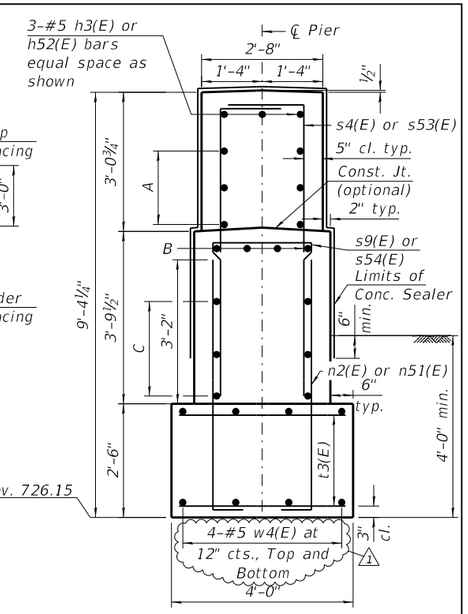


PIER 1 PLAN



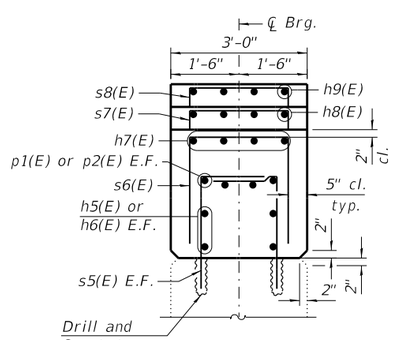
PIER 1 SOUTH ELEVATION

(Looking North)

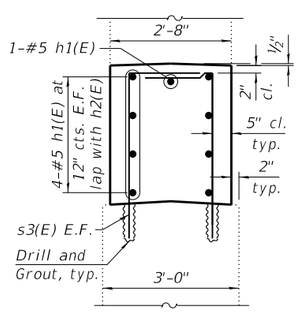


SECTION C-C

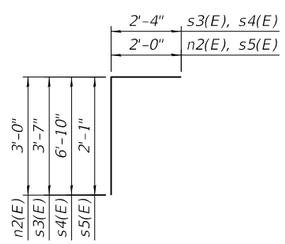
A. 3-#5 h3(E) or h52(E) bars at 12" cts., E.F.
B. 4-#5 h4(E) or h53(E) bars equally spaced as shown
C. 3-#5 h4(E) or h53(E) bars at 12" cts., E.F.



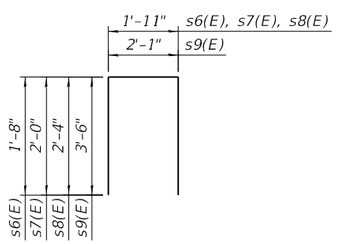
SECTION A-A



SECTION B-B



BARS n2(E) AND s3(E) THRU s5(E)



BARS s6(E) THRU s9(E)

1 REVISED SHEET 10/31/2024

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	36	#5	10'-7"	—
h2(E)	80	#5	3'-8"	—
h3(E)	9	#5	19'-6"	—
h4(E)	10	#5	8'-10"	—
h5(E)	8	#5	19'-10"	—
h6(E)	8	#5	24'-6"	—
h7(E)	4	#5	17'-3"	—
h8(E)	4	#5	23'-9"	—
h9(E)	4	#5	22'-0"	—
n2(E)	18	#5	7'-5"	⌐
p1(E)	8	#7	20'-5"	—
p2(E)	8	#7	25'-1"	—
s3(E)	96	#5	5'-11"	⌐
s4(E)	18	#5	11'-4"	⌐
s5(E)	166	#5	4'-3"	⌐
s6(E)	18	#4	5'-2"	▭
s7(E)	24	#4	5'-10"	▭
s8(E)	22	#4	6'-7"	▭
s9(E)	9	#5	5'-8"	▭
t3(E)	34	#5	3'-7"	—
w4(E)	8	#5	15'-11"	—
				1
Concrete Structures			CU YD	52.2
Reinforcement Bars, Epoxy Coated			POUND	4,600
Mechanical Splicers			EACH	8
Concrete Sealer			SQ FT	1,258

Notes:
1. Cost of drilling and grouting reinforcing bars included in cost for Concrete Structures.
2. Bars shall be drilled and set according to Article 584 of the Standard Specifications. Bars shall have a 9" minimum embedment depth.
3. All construction joints between new and existing concrete shall be Bonded Construction Joints.
4. A film forming concrete sealer shall be applied to horizontal surfaces to the designated area of the bearing seats. A penetrating concrete sealer shall be applied to vertical surfaces to the designated area of all new existing concrete.
5. See sheet 2 of 66 for Offset sketch.
6. Bars indicated thus 2x3-#5 etc. indicates 2 lines of bars with 3 lengths per line.
7. Bars h52(E), h53(E), s53(E), s54(E), and n51(E) are quantified in total bill of materials on sheet 59 of 66.
8. See sheet 59 of 66 for Detail A.
9. See sheet 60 of 66 for Section D-D.

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JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = codyh	DESIGNED - ELR	REVISED - 1 10/29/2024
	CHECKED - NDR	REVISED -
PLOT SCALE = 0:2.0000 ':" / in.	DRAWN - CJH	REVISED -
PLOT DATE = 10/25/2024	CHECKED - NDR	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1 MODIFICATION DETAILS
STRUCTURE NO. 016-0376 (NB)
SHEET 57 OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	742
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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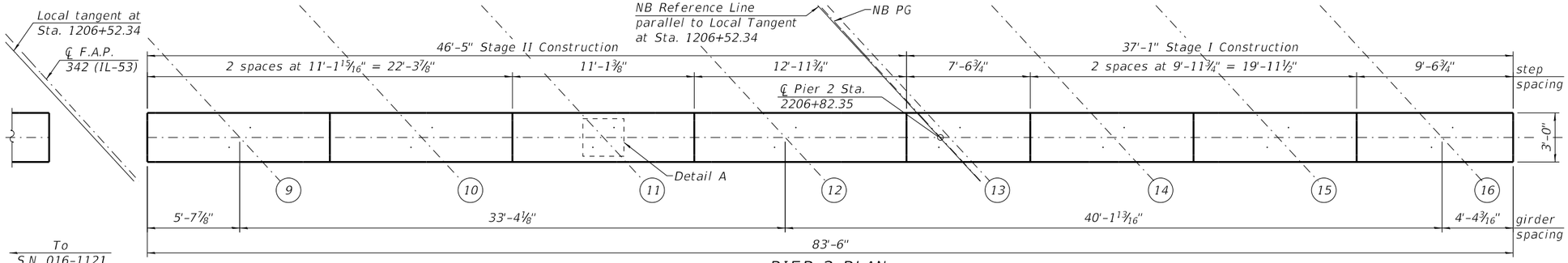
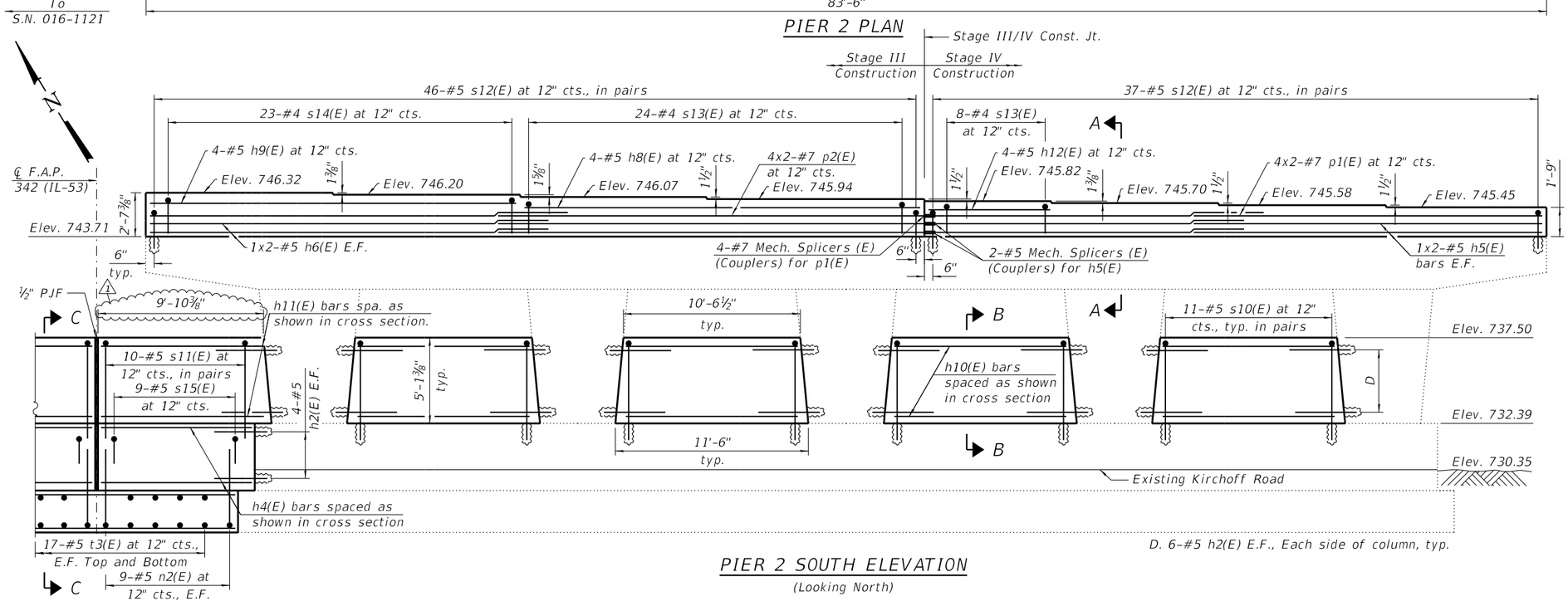


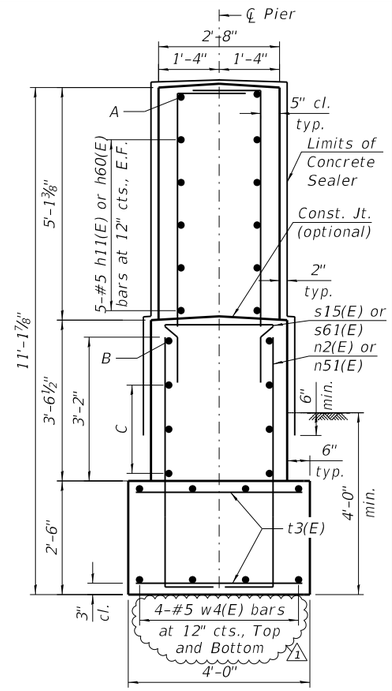
PIER 2 PLAN



D. 6-#5 h2(E) E.F., Each side of column, typ.

PIER 2 SOUTH ELEVATION

(Looking North)



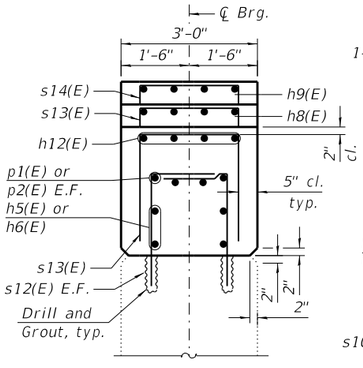
SECTION C-C

A. 3-#5 h11(E) or h60(E) bars at 12" cts., E.F.
B. 4-#5 h4(E) or h53(E) bars at 12" cts., E.F.
C. 3-#5 h4(E) or h53(E) bars at 12" cts., E.F.

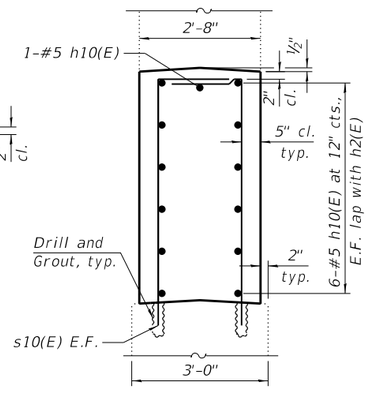
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2(E)	116	#5	3'-8"	
h4(E)	10	#5	18'-1"	
h5(E)	8	#5	19'-10"	
h6(E)	8	#5	24'-6"	
h8(E)	4	#5	23'-9"	
h9(E)	4	#5	22'-0"	
h10(E)	52	#5	10'-3"	
h11(E)	13	#5	19'-1"	
h12(E)	4	#5	7'-3"	
n2(E)	18	#5	7'-5"	
p1(E)	8	#7	20'-5"	
p2(E)	8	#7	25'-1"	
s10(E)	88	#5	7'-8"	
s11(E)	20	#5	13'-0"	
s12(E)	166	#5	4'-6"	
s13(E)	32	#4	5'-10"	
s14(E)	22	#4	6'-6"	
s15(E)	9	#5	5'-2"	
t3(E)	34	#5	3'-7"	
w4(E)	8	#5	15'-11"	
				1 65.6
Concrete Structures			CU YD	
Reinforcement Bars, Epoxy Coated			POUND	5,200
Mechanical Splicers			EACH	8
Concrete Sealer			SQ FT	1,260

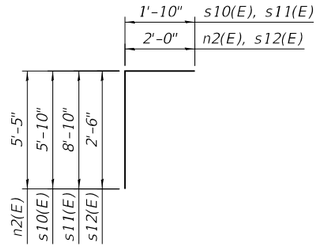
1 REVISED SHEET 10/31/2024



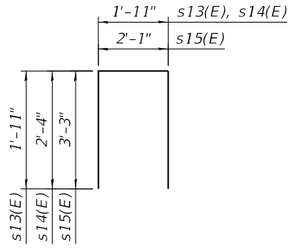
SECTION A-A



SECTION B-B



BARS n2(E) AND s10(E) THRU s12(E)



BARS s13(E) THRU s15(E)

Notes:

1. Cost of drilling and grouting reinforcing bars included in cost for Concrete Structure.
2. Bars shall be drilled and set according to Article 584 of the Standard Specifications. Bars shall have a 9" minimum embedment depth.
3. All construction joins between new and existing concrete shall be Bonded Construction Joints.
4. A film forming concrete sealer shall be applied to horizontal surfaces to the designated area of the bearing seats. A penetrating concrete sealer shall be applied to vertical surfaces to the designated area of all new existing concrete.
5. See sheet 2 of 66 for Offset sketch.
6. Bars indicated thus 2x3-#5 etc. indicates 2 lines of bars with 3 lengths per line.
7. Bars h53(E), h60(E), s60(E), s61(E), and n51(E) are quantified in total bill of materials on sheet 60 of 66.
8. See sheet 60 of 66 for Detail A and Section D-D.

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USER NAME = codyh		DESIGNED - ELR		REVISED - 1 10/29/2024	
		CHECKED - NDR		REVISED -	
PLOT SCALE = 0:2.0000 ':" / in.		DRAWN - CJH		REVISED -	
PLOT DATE = 10/25/2024		CHECKED - NDR		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2 MODIFICATION DETAILS
STRUCTURE NO. 016-0376 (NB)
SHEET 58 OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	743
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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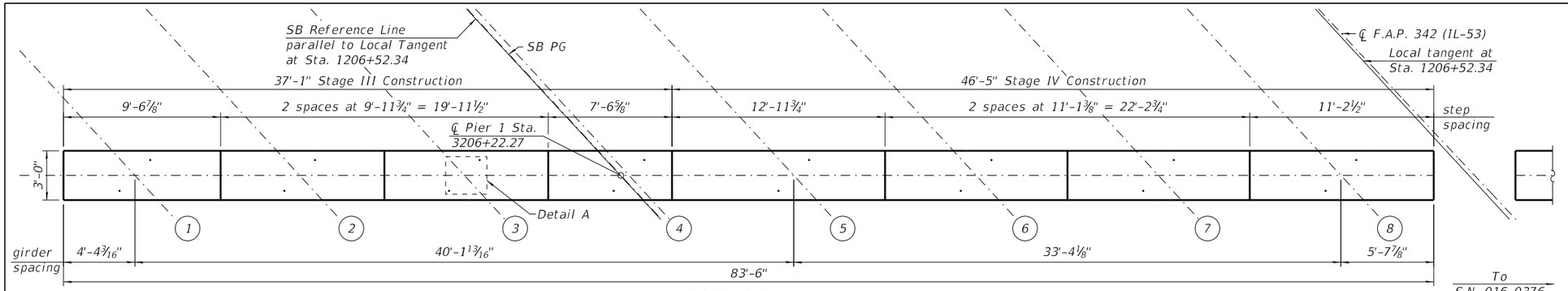
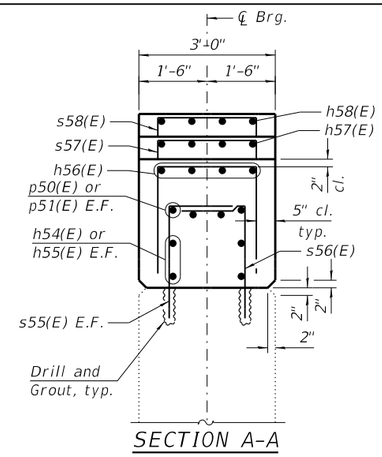
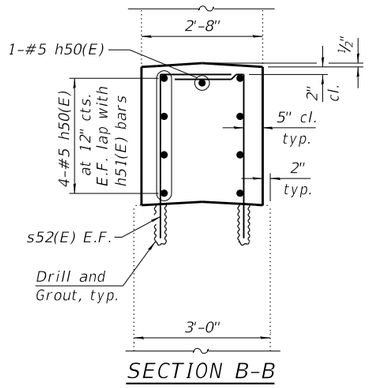


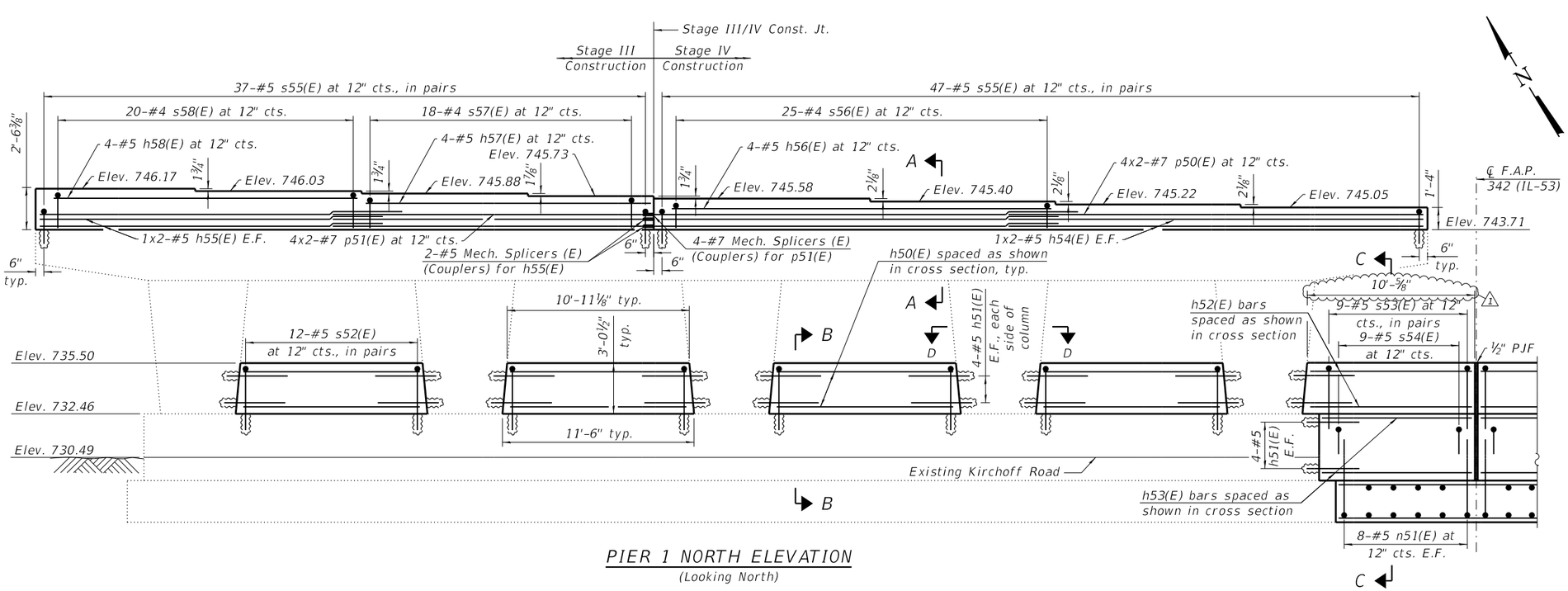
PIER 1 PLAN



SECTION A-A

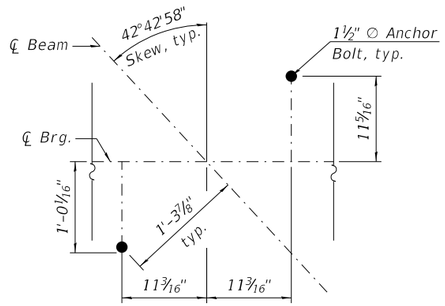


SECTION B-B

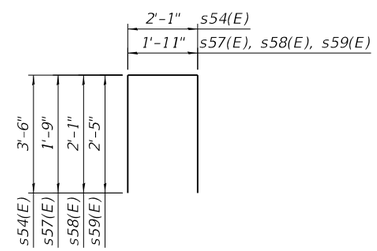


PIER 1 NORTH ELEVATION

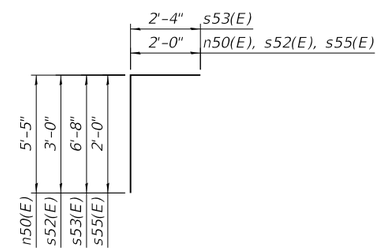
(Looking North)



ANCHOR BOLT LOCATION PLAN
DETAIL A



BARS s54(E), s57(E) THRU s59(E)



BARS n50(E), s52(E), s53(E) s55(E)

Notes:

1. *Cost of drilling and grouting reinforcing bars included in cost for Concrete Structures.*
2. *Bars shall be drilled and set according to Article 584 of the Standard Specifications. Bars shall have 9" minimum embedment depth.*
3. *All construction joints between new and existing concrete shall be Bonded Construction Joints.*
4. *A film forming concrete sealer shall be applied to horizontal surfaces to the designated area of the bearing seats. A penetrating concrete sealer shall be applied to vertical surfaces to the designated area of all new existing concrete.*
5. *See sheet 2 of 66 for Offset sketch.*
6. *Bars included thus 2x3-#5 etc. indicates 2 lines of bars with 3 lengths per line.*
7. *See sheet 57 of 66 for Section C-C.*
8. *See sheet 60 of 66 for Section D-D.*

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h50(E)	36	#5	10'-7"	
h51(E)	80	#5	3'-8"	
h52(E)	9	#5	19'-6"	
h53(E)	10	#5	8'-10"	
h54(E)	8	#5	24'-6"	
h55(E)	8	#5	19'-10"	
h56(E)	4	#5	23'-9"	
h57(E)	4	#5	17'-2"	
h58(E)	4	#5	19'-3"	
n51(E)	18	#5	7'-5"	
p50(E)	8	#7	25'-1"	
p51(E)	8	#7	20'-5"	
s52(E)	96	#5	5'-0"	
s53(E)	18	#5	11'-4"	
s54(E)	9	#5	6'-0"	
s55(E)	168	#5	4'-0"	
s56(E)	24	#4	4'-9"	
s57(E)	18	#4	5'-5"	
s58(E)	20	#4	6'-0"	
Concrete Structures			CU YD	31.7
Reinforcement Bars, Epoxy Coated			POUND	4,170
Mechanical Splicers			EACH	8
Concrete Sealer			SQ FT	1,256

1 REVISED SHEET 10/31/2024

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USER NAME = codyh	DESIGNED - ELR	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER 1 MODIFICATION DETAILS STRUCTURE NO. 016-1121 (SB)	
	CHECKED - NDR	REVISED -			
PLOT SCALE = 0:2.0000 ':' / in.	DRAWN - CJH	REVISED -		SHEET 59 OF 66 SHEETS	
PLOT DATE = 10/25/2024	CHECKED - NDR	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	744
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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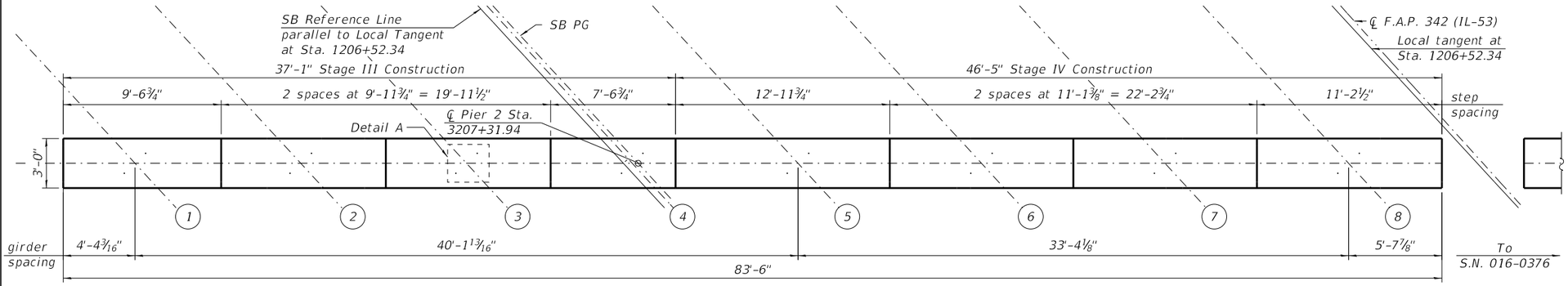
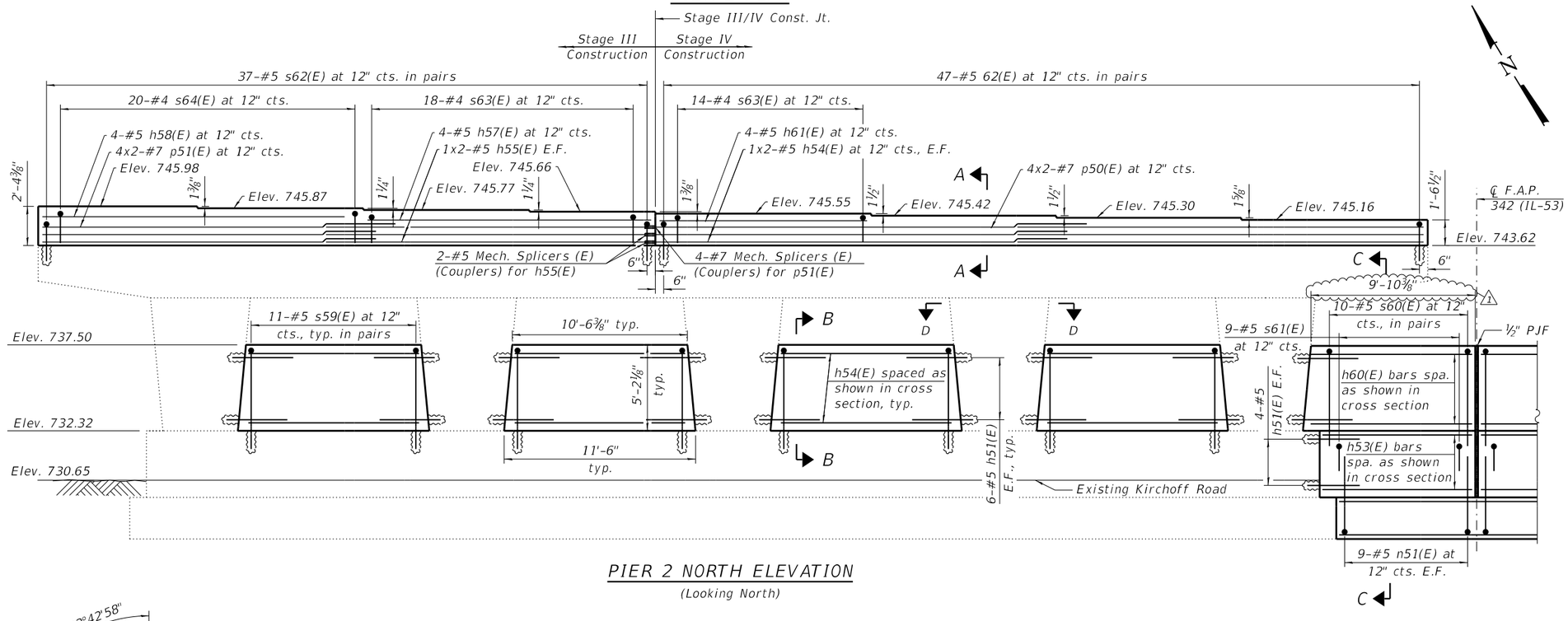
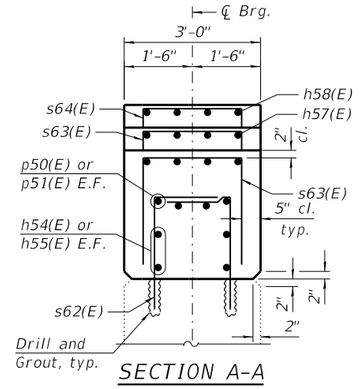


PIER 2 PLAN

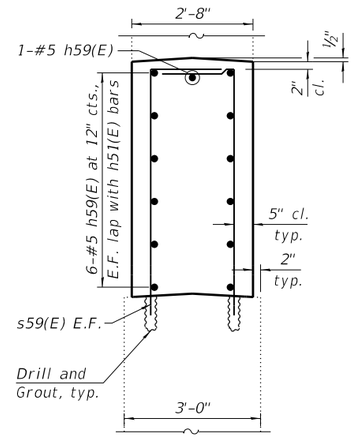


PIER 2 NORTH ELEVATION

(Looking North)



SECTION A-A

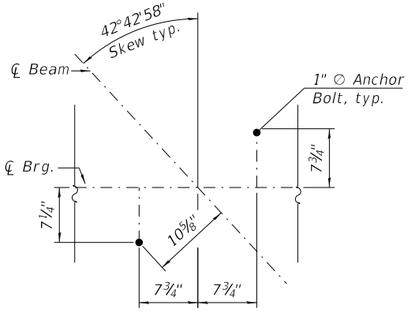


SECTION B-B

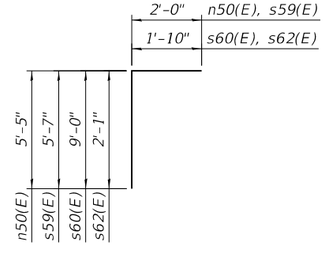
1 REVISED SHEET 10/31/2024

BILL OF MATERIAL

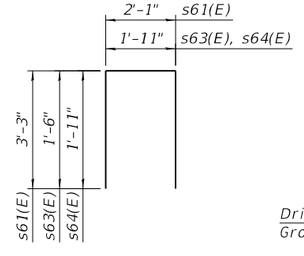
Bar	No.	Size	Length	Shape
h51(E)	116	#5	3'-8"	
h53(E)	14	#5	19'-1"	
h54(E)	8	#5	24'-6"	
h55(E)	8	#5	19'-10"	
h57(E)	4	#5	17'-2"	
h58(E)	4	#5	19'-3"	
h59(E)	52	#5	10'-3"	
h60(E)	13	#5	19'-1"	
h61(E)	4	#5	12'-8"	
n51(E)	18	#5	7'-5"	
p50(E)	8	#7	25'-1"	
p51(E)	8	#7	20'-5"	
s59(E)	88	#5	7'-7"	
s60(E)	20	#5	10'-10"	
s61(E)	9	#5	5'-6"	
s62(E)	168	#5	3'-11"	
s63(E)	32	#4	5'-0"	
s64(E)	20	#4	5'-8"	
Concrete Structures			CU YD	40.0
Reinforcement Bars, Epoxy Coated			POUND	4,840
Mechanical Splicers			EACH	8
Concrete Sealer			SQ FT	1,249



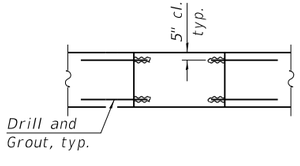
ANCHOR BOLT LOCATION PLAN DETAIL A



BARS n50(E), s59(E), s60(E), s62(E)



BARS s61(E), s63(E), s64(E)



SECTION D-D

Notes:

1. *Cost of drilling and grouting reinforcing bars included in cost for Concrete Structures.*
2. *Bars shall be drilled and set according to Article 584 of the Standard Specificatations. Bars shall have a 9" minimum embedment depth.*
3. *All construction joints between new and existing concrete shall be Bonded Construction Joints.*
4. *A film forming concrete sealer shall be applied to horizontal surfaces to the designated area of the bearing seats. A penetrating concrete sealer shall be applied to vertical surfaces to the designated area of all new existing concrete.*
5. *See sheet 2 of 66 for Offset sketch.*
6. *Bars indicated thus 2x3-#5 etc. indicates 2 lines of bars with 3 lengths per line.*
7. *See sheet 58 of 66 for Section C-C.*

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

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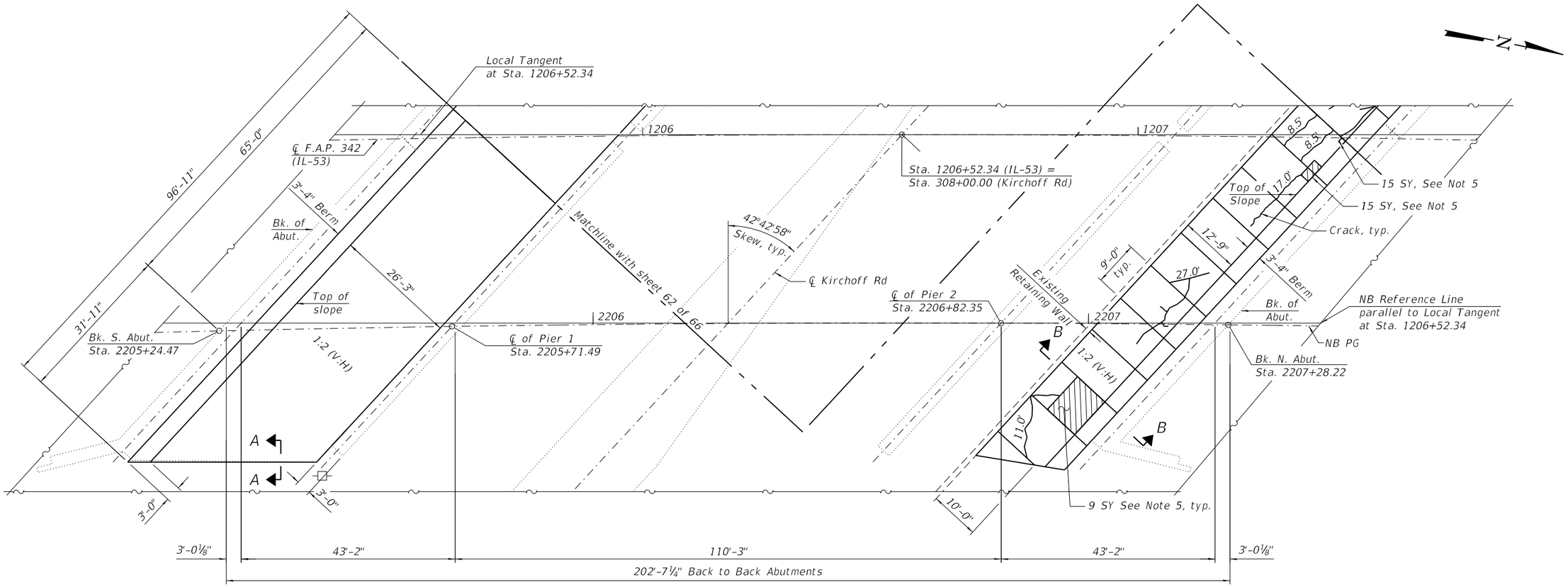
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2 MODIFICATION DETAILS
STRUCTURE NO. 016-1121 (SB)

SHEET 60 OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	745
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



SLOPEWALL PLAN

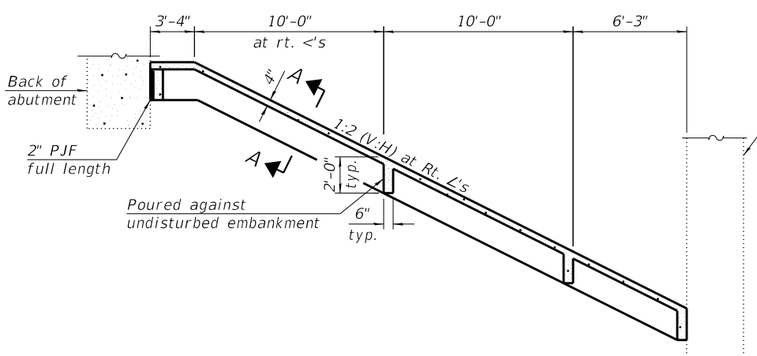
LEGEND

Length ' Slope Wall Crack Sealing

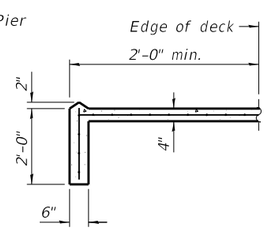
Slope Wall Repair

BILL OF MATERIALS

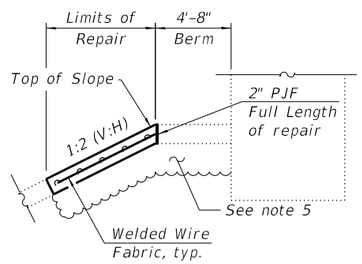
Item	Unit	Total
Slope Wall Removal	SQ YD	290
Slope Wall 4 Inch	SQ YD	290
Granular Backfill for Structures	CU YD	4
Slope Wall Crack Sealing	FOOT	447
Slope Wall Repair	SQ YD	11



SECTION THRU CONCRETE SLOPEWALL 4"
(South Slope Wall)



SECTION A-A



SECTION B-B
(North Slope Wall)

Notes:
1. Slope wall shall be reinforced with welded wire fabric, 6in. x 6in. - W4.0 x W4.0, weighing 58lbs. per 100 sq. ft.
2. Existing welded wire fabric shall extend 6" into the area of Slope Wall Repair. The exposed 6" of welded wire fabric on either side shall be lapped with the new slope wall reinforcement.
3. The cost of welded wire fabric shall be included in the cost of Slope Wall Repair or Slope Wall 4 Inch, per controlling detail.
4. The cost of Preformed Joint Filler 2" is included in the cost of Slope Wall Repair or Slope Wall 4 Inch, per controlling detail.
5. Voids underneath areas marked for Slope Wall Repair are to be filled with Granular Backfill for Structures to a level that will allow the replacement of appropriate thickness of base material per repair specifications. For bidding purposes the volume of voids has been estimated as 7.0 CY at this location, but the actual volume of material will be determined by the Contractor after slope wall removal and approved by the Engineer.

1 REVISED ENTIRE SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTHBOUND SLOPE WALL REPAIR
STRUCTURE NO. 016-0376 (NB)
SHEET 61 OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	746
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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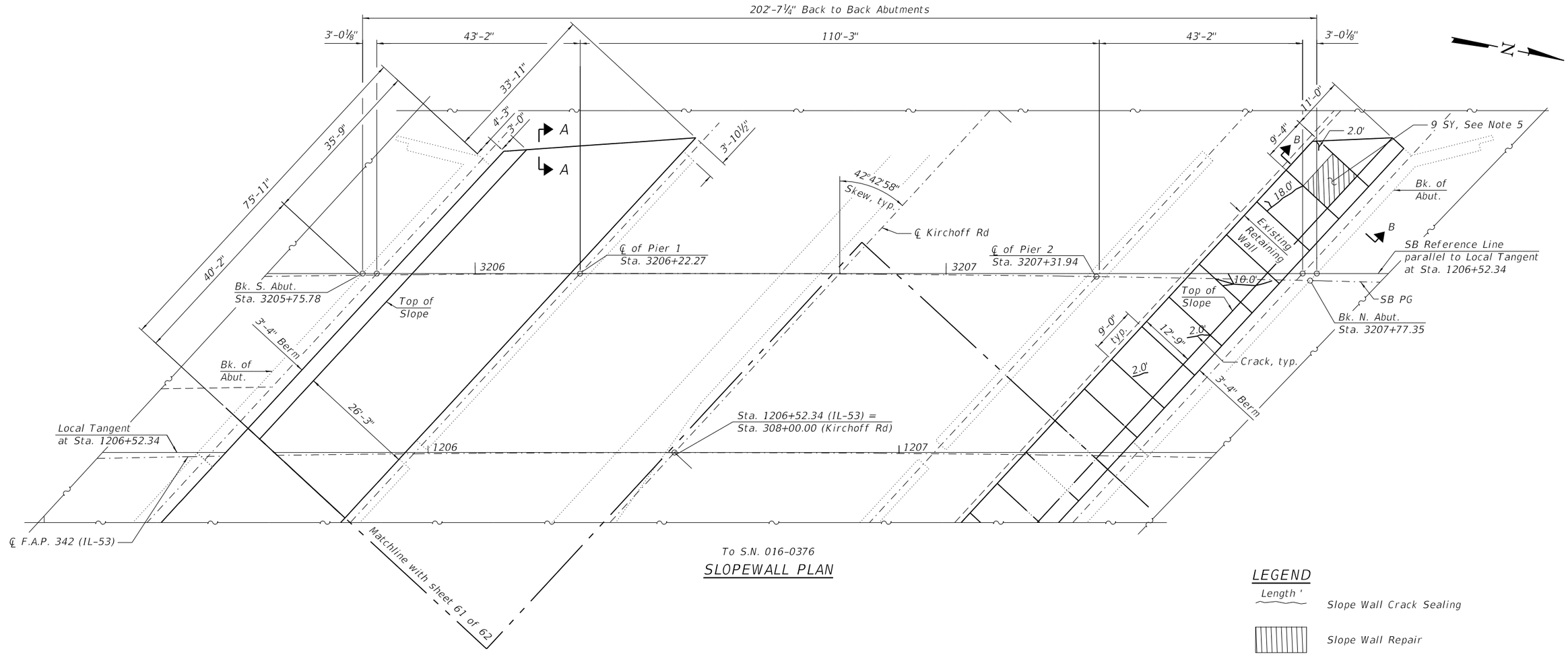
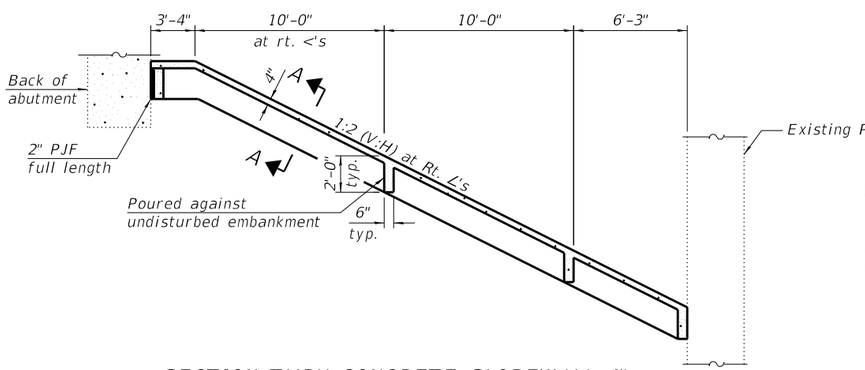


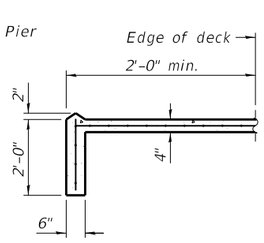
To S.N. 016-0376

SLOPEWALL PLAN

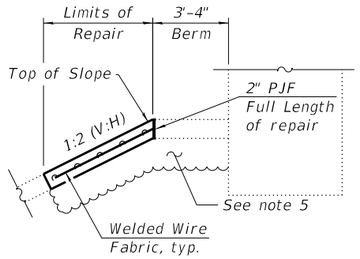


SECTION THRU CONCRETE SLOPEWALL 4"

(South Slope Wall)



SECTION A-A



SECTION B-B

(North Slope Wall)

LEGEND

Length '

Slope Wall Crack Sealing

Slope Wall Repair

BILL OF MATERIALS

Item	Unit	Total
Slope Wall Removal	SQ YD	345
Slope Wall 4 Inch	SQ YD	345
Granular Backfill for Structures	CU YD	3
Slope Wall Crack Sealing	FOOT	358
Slope Wall Repair	SQ YD	9

Notes:

1. *Slope wall shall be reinforced with welded wire fabric, 6in. x 6in. – W4.0 x W4.0, weighing 58lbs. per 100 sq. ft.*
2. *Existing welded wire fabric shall extend 6" into the area of Slope Wall Repair. The exposed 6" of welded wire fabric on either side shall be lapped with the new slope wall reinforcement.*
3. *The cost of welded wire fabric shall be included in the cost of Slope Wall Repair or Slope Wall 4 Inch, per controlling detail.*
4. *The cost of Preformed Joint Filler 2" is included in the cost of Slope Wall Repair or Slope Wall 4 Inch, per controlling detail.*
5. *Voids underneath areas marked for Slope Wall Repair are to be filled with Granular Backfill for Structures to a level that will allow the replacement of appropriate thickness of base material per repair specifications. For bidding purposes the volume of voids has been estimated as 7.0 CY at this location, but the actual volume of material will be determined by the Contractor after slope wall removal and approved by the Engineer.*

1 REVISED ENTIRE SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTHBOUND SLOPE WALL REPAIR
STRUCTURE NO. 016-1121 (SB)

SHEET 62 OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	747
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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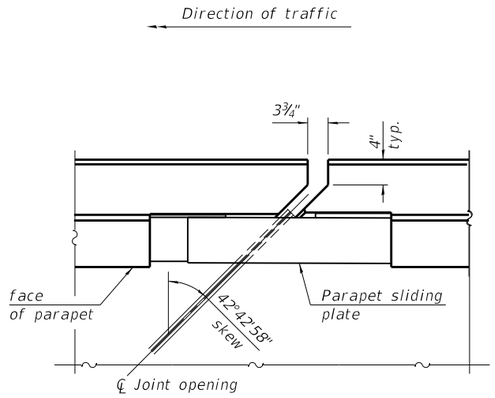
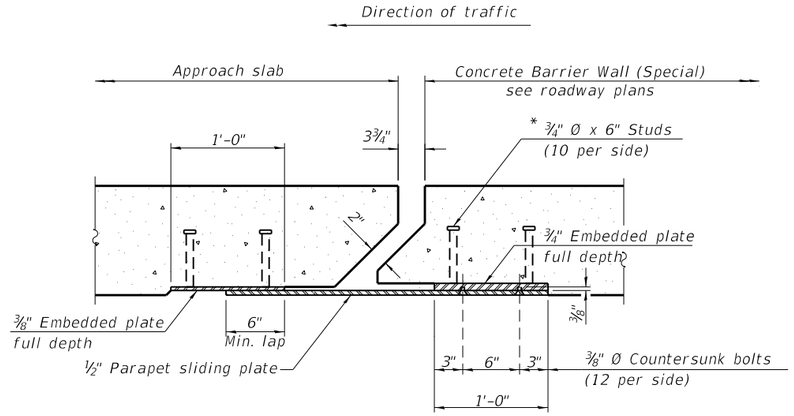


PLAN AT END OF APPROACH

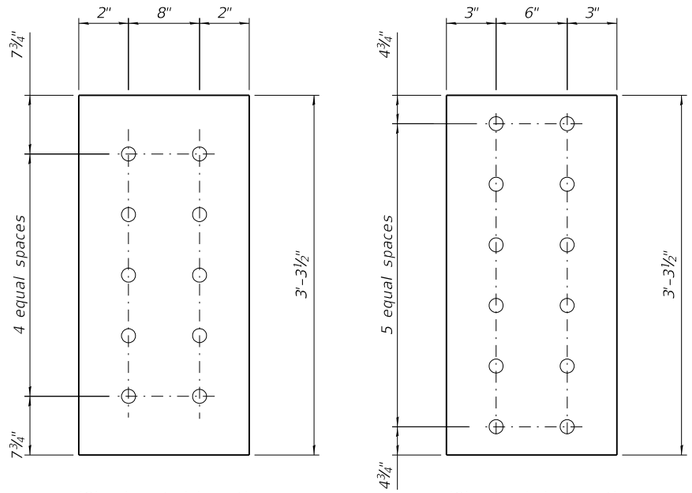
(Drawn for SB IL-53 North approach sliding plate detail, other views similar.)



SECTION B-B

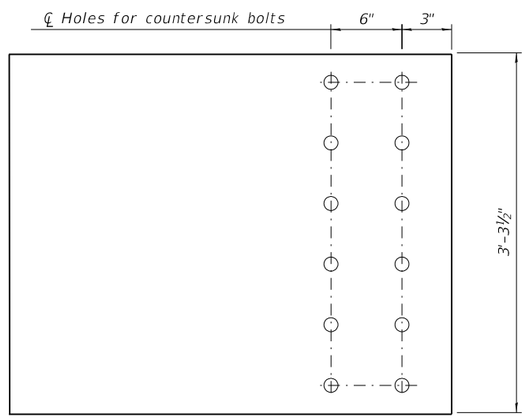
(Drawn for SB IL-53 North approach sliding plate detail, other views similar.)

Notes:
The preformed pavement joint seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the stripseal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
The manufacturer's recommended installation methods shall be followed.
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
Cost of parapet sliding plates, embedded plates, and anchorage studs included with Concrete Barrier Wall (Special)
39" constant slope barrier shown, 44" constant slope barrier similar as noted.

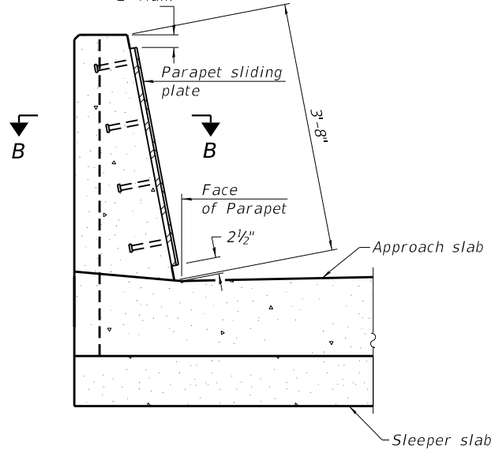


(Showing stud layout) (Showing hole layout)

EMBEDDED PLATE DETAIL

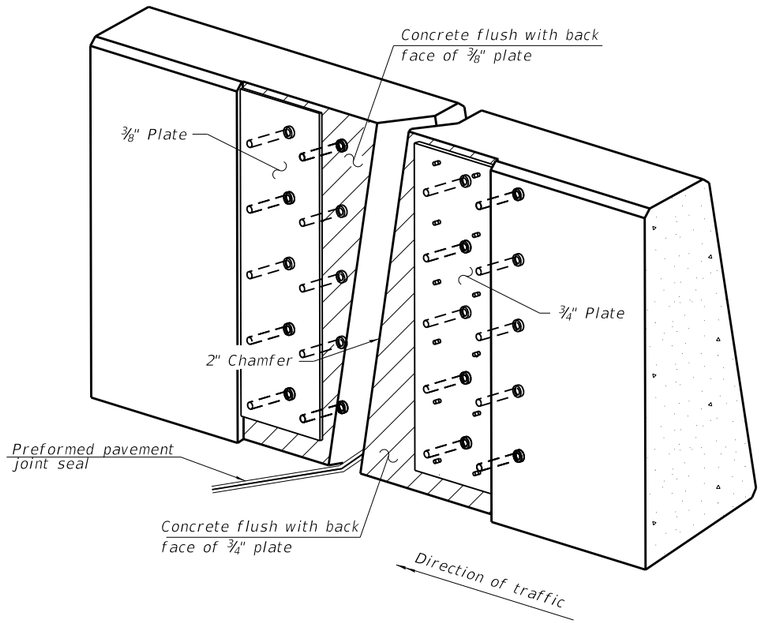


MEDIAN SLIDING PLATE



SECTION AT END OF APPROACH

Notes:
1. See bridge approach sheet 34



TRIMETRIC VIEW

(Showing embedded plates only)

1 ADDED ENTIRE SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MEDIAN SLIDING PLATE
STRUCTURE NO. 016-0376 (NB) AND 016-1121 (SB)
SHEET 64A OF 66 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK 1	1211	749A
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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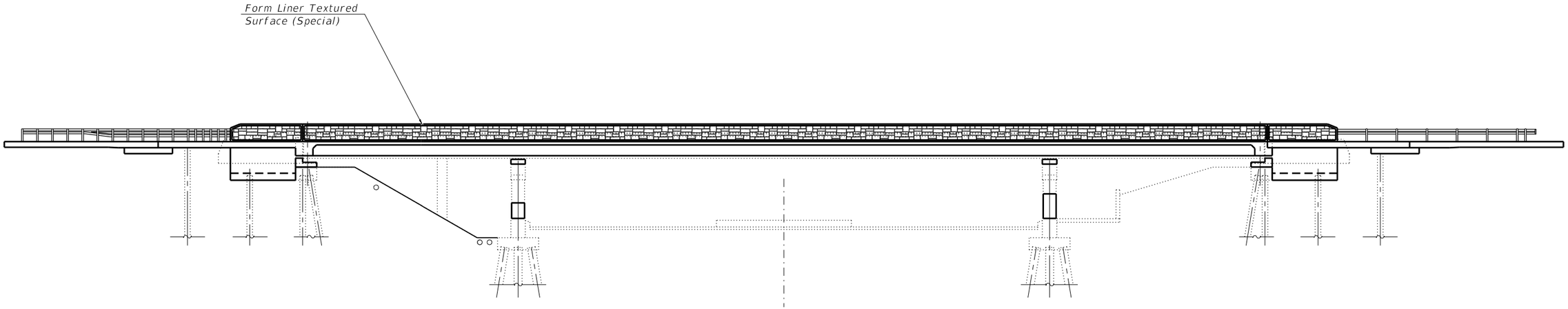
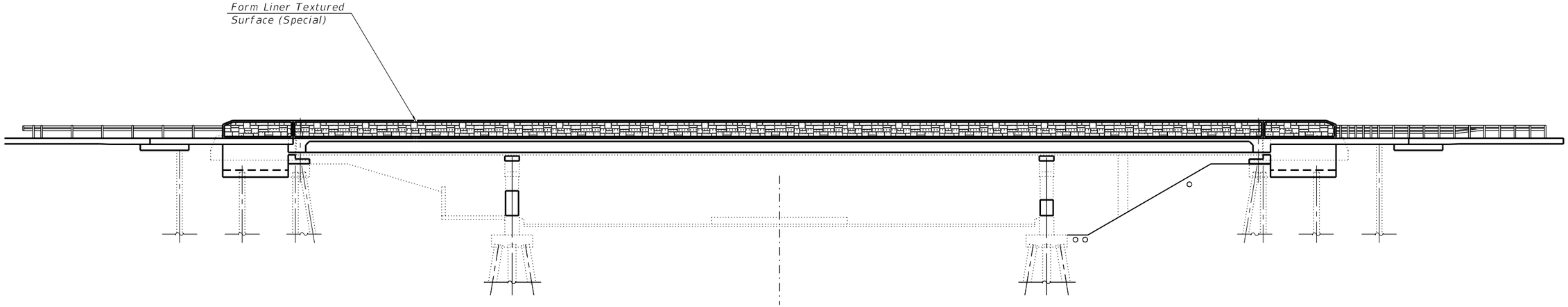


ELEVATION
(Looking East)



ELEVATION
(Looking West)

Notes:
1. For parapet dimensions not shown, see Bridge Plans.
2. Concrete Color Additive to be incorporated into Superstructure Concrete for all parapet locations receiving Form Liner Treatment.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE AESTHETIC PLAN
STRUCTURE NO. 016-0376 (NB) AND 016-1121 (SB)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK 1	1211	758
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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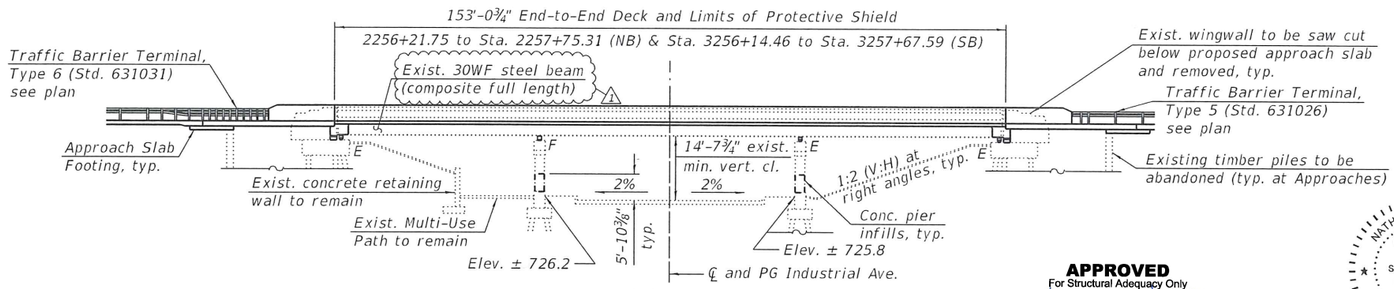
Benchmark: BM32 – Cut cross on the southeast corner of concrete sign foundation. Sta. 1261+53.83, 62.64' Left, Elev. 738.987.

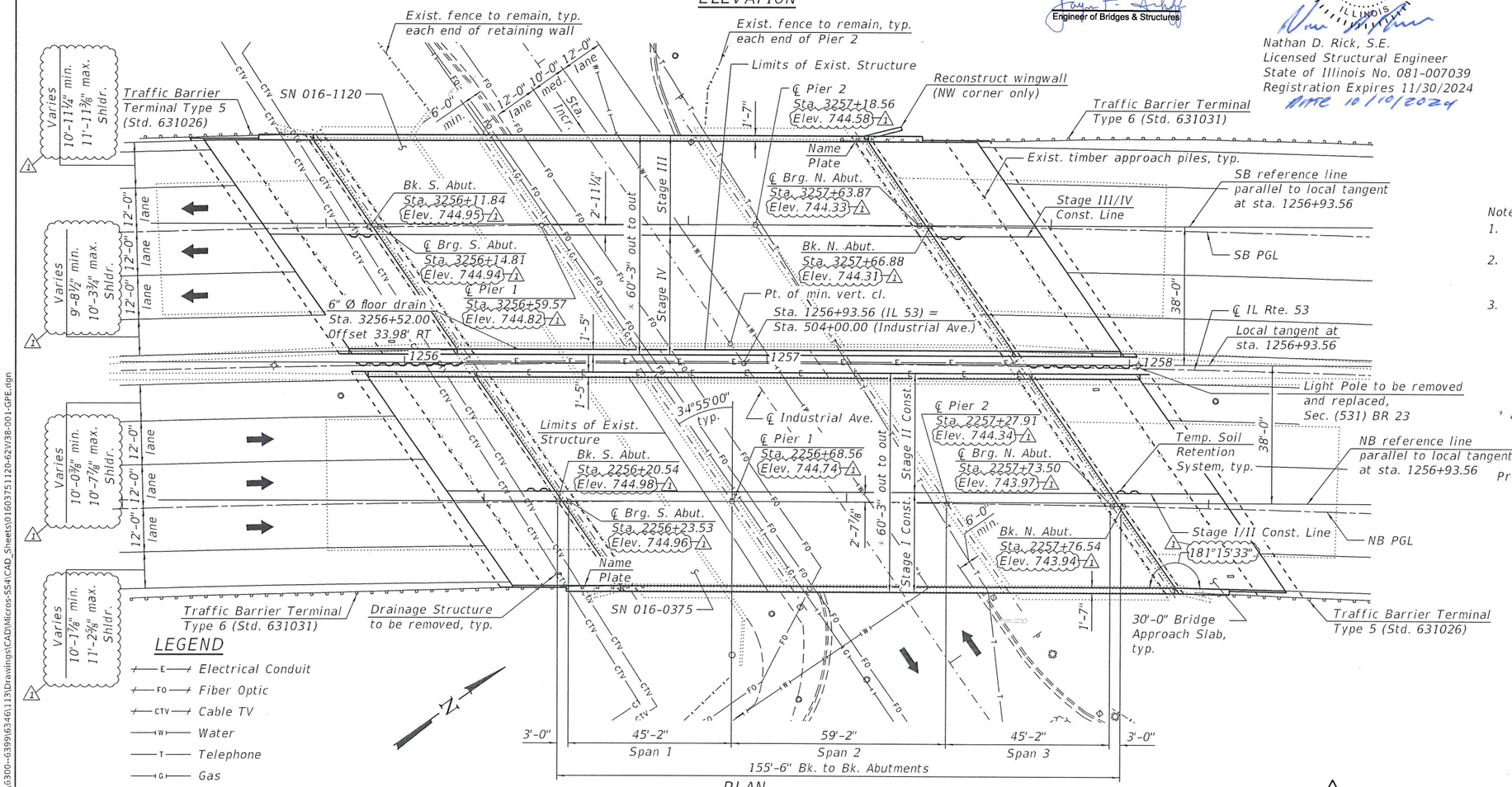
Existing Structures: Structure Numbers 016-0375 (NB) and 016-1120 (SB) were originally built in 1963 as FA Route 61 under Section 531-2-HB-1. In 1971, the deck was patched and a bituminous overlay was applied. In 1991, the joints and parapets were reconstructed, along with deck patching and overlay replacement. In 2000, the abutment bearings were replaced. In 2010, the joints were replaced and repairs were made to the deck and abutments. The existing structures consist of three span continuous non-composite steel beam superstructures supported on multi-column piers and stub abutments. Along the local tangent, the bridge measures 155'-6" back to back abutments with a 34°55'00" right forward skew. The out to out deck width is 58'-11".

Traffic Control: Traffic is to be maintained utilizing staged construction.

No Salvage.



ELEVATION



PLAN

LEGEND

- E — Electrical Conduit
- FO — Fiber Optic
- CTV — Cable TV
- W — Water
- T — Telephone
- G — Gas
- Exist. Fence

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

NATHAN D RICK
081-005819
LICENSED STRUCTURAL ENGINEER
OF
ILLINOIS

Nathan D. Rick, S.E.
Licensed Structural Engineer
State of Illinois No. 081-007039
Registration Expires 11/30/2024
Date 10/10/2024

STA. 1256+93.56 RE-BUILT 202X BY STATE OF ILLINOIS F.A.P. RTE. 342 SEC. (531) BR 23 LOADING HS20-44 STR. NO. 016-0375	STA. 1256+93.56 RE-BUILT 202X BY STATE OF ILLINOIS F.A.P. RTE. 342 SEC. SEC. (531) BR 23 LOADING HS20-44 STR. NO. 016-1120

1

NAME PLATE

(See Std. 515001 and Note 3)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

2006 Seismic Retrofitting Manual for Highway Structures: Part 1 – Bridges (FHWA-HRT-06-032)

LOADING HS20-44

Allow 25#/sq. ft. for future wearing surface

SEISMIC DATA

Seismic Retrofit Category (SRC) = A
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.082g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.143g
Soil Site Class = D
Performance Level = PL 1

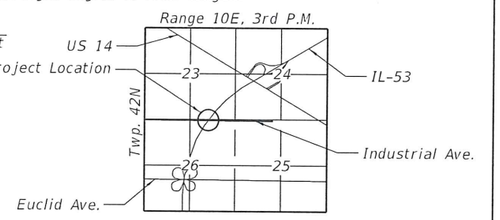
DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)
f'c = 4,000 psi (Superstructure)
f'c = 3,500 psi (Substructure)
fy = 60,000 psi (Reinforcement)

FIELD UNITS (EXISTING CONSTRUCTION)
fc = 1,400 psi (Substructure)
fs = 20,000 psi (Reinforcement)
fs = 20,000 psi (Structural Steel)

Notes:
1. Up to ¼" to be ground off the bridge deck and the bridge approach slabs.
2. All transverse dimensions are radial and all longitudinal dimensions are measured along the local tangent, unless noted otherwise.
3. Existing Name Plates shall be cleaned and relocated next to the new Name Plates. Cost included with Name Plates.

* at right angles to local tangent



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
IL RTE. 53 OVER INDUSTRIAL AVENUE
FAP RTE. 342 – SEC. (531) BR 23
COOK COUNTY
STATION 1256+93.56
STRUCTURE NO. 016-0375 (NB)
STRUCTURE NO. 016-1120 (SB)

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = codyh	DESIGNED - TJE	REVISED - 1 10/29/2024
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	PLOT DATE = 10/25/2024	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)
SHEET 1 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	759
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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GENERAL NOTES

1. Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas. Bolts ¾ in. diameter, holes ⅞ in. diameter, unless otherwise noted.
2. Calculated weight of Structural Steel = 16,950 lbs (Grade 36).
3. No field welding is permitted except as specified in the contract documents.
4. The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges & Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose detrimental foreign material shall be removed from the surfaces in contact with concrete(SSPC – SP3 standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications.

   As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding ¼ in. deep shall be identified and reported to the Bureau of Bridges & Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
7. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interiorbeam at each of these additional bracket locations.
8. Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
9. Cleaning and field painting of existing structural steel shall be done under a separate painting contract.
10. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
11. Concrete surfaces that are to recieve the textured form liner treatment shall also be tinted according to the special provision for "Concrete Color Additive". The revealed and exposed formed textured surface shall receive the application of "Concrete Sealant, Special".

INDEX OF SHEETS

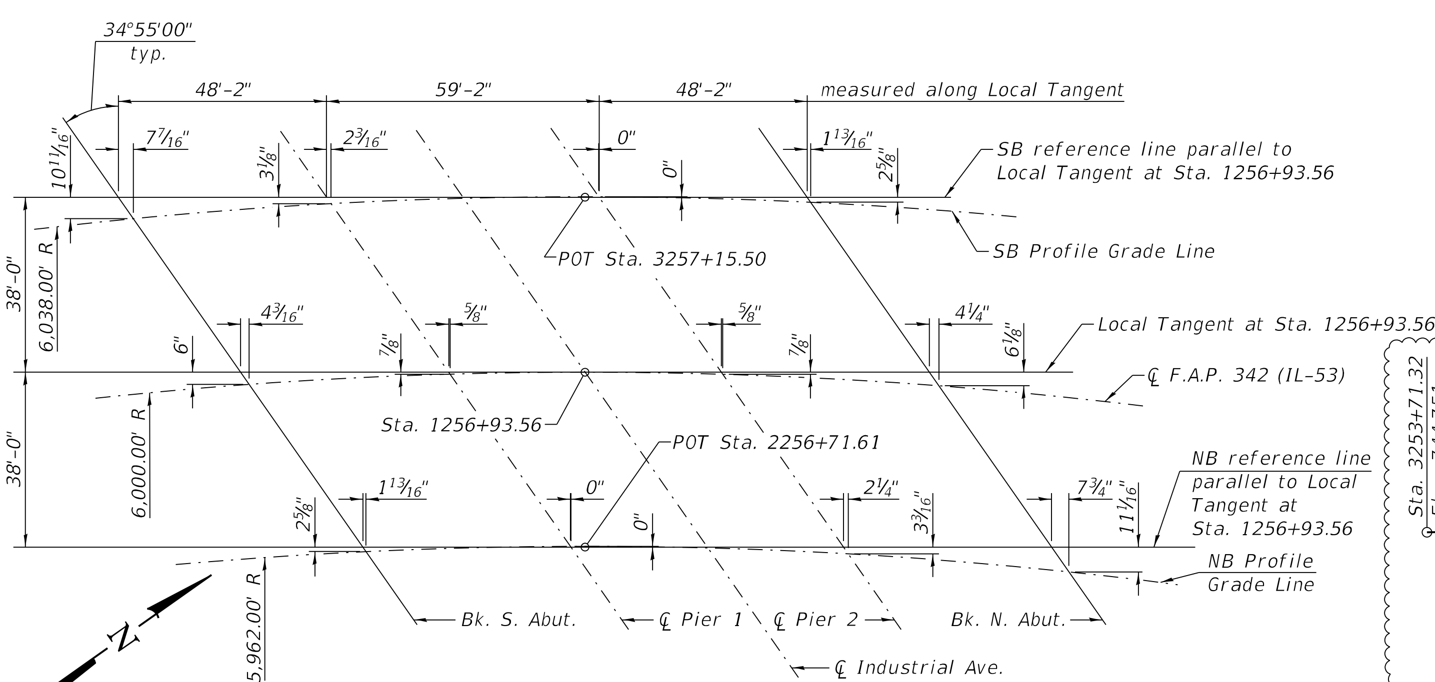
1	General Plan & Elevation
2	General Notes & Total Bill of Materials
3–4	Construction Staging
5	Temporary Concrete Barrier
6	Top of Deck Slab Elevation Layout
7–11	Top of Deck Slab Elevation
12–15	Top of Approach Slab Elevations
16	Deck Plan and Cross Section (NB)
17	Deck Plan and Cross Section (SB)
18	Deck & Parapet Details
19–20	Semi-Integral Diaphragm
21	Semi-Integral Details
22–23	Approach Slab Plan (NB)
24	Approach Slab Cross Section (NB)
25–26	Approach Slab Plan (SB)
27	Approach Slab Cross Section (SB)
28	Approach Slab Details
29	Framing Plan
30	Girder Elevations & Details
31	Expansion Bearings Details
32	Fixed Bearing Details
33	Concrete Removal/Repair South Abutment (NB)
34	Concrete Removal/Repair North Abutment (NB)
35	Concrete Removal/Repair South Abutment (SB)
36	Concrete Removal/Repair North Abutment (SB)
37	Abutment Plan & Elevation South (NB)
38	Abutment Plan & Elevation North (NB)
39	Abutment Plan & Elevation South (SB)
40	Abutment Plan & Elevation North (SB)
41	NB Pier Modifications (NB)
42	SB Pier Modifications (SB)
43	Slope Wall Repair (NB)
44	Slope Wall Repair (SB)
45	Concrete Parapet Slip Forming Option
46	Bar Splicer Details
46A	Median Sliding Plate
47–48	Soil Borings

INDEX OF SHEETS

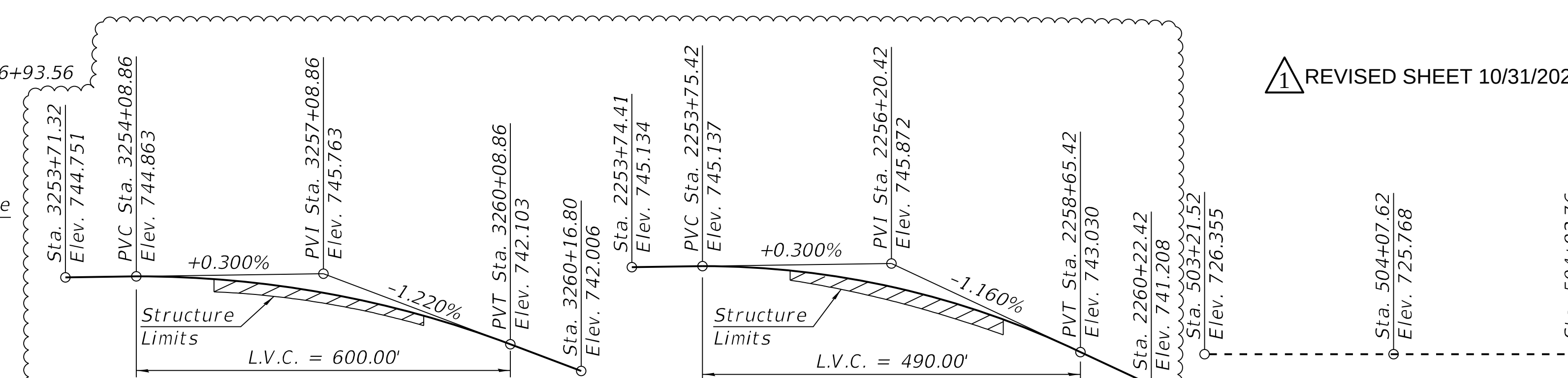
Item	Unit	Super	Sub	Total
Concrete Removal	CU YD		83.7	83.7
Removal of Existing Concrete Deck No. 1	EACH	1		1
Removal of Existing Concrete Deck No. 2	EACH	1		1
Protective Shield	SQ YD	2,083		2,083
Structure Excavation	CY YD		1,334	1,334
Floor Drains	EACH	1		1
Concrete Structures	CU YD		181.3	181.3
Concrete Superstructure	CU YD	723.3		723.3
Protective Coat	SQ YD	3,086		3,086
Concrete Superstructure (Approach Slab)	CU YD	331.6		331.6
Furnishing and Erecting Structural Steel	POUND		16,950	16,950
Stud Shear Connectors	EACH	15,174		15,174
Reinforcement Bars, Epoxy Coated	POUND	308,690	8,330	317,020
Bar Splicers	EACH	1,594		1,594
Mechanical Splicers	EACH	44	8	52
Name Plates	EACH	2		2
Elastomeric Bearing Assembly, Type I	EACH	54		54
Anchor Bolts, 1"	EACH	108		108
Anchor Bolts, 1 1/4"	EACH	36		36
Temporary Soil Retention System	SQ FT		656	656
Granular Backfill for Structures	CY YD		1,115	1,115
Concrete Sealer	SQ FT		3,234	3,234
Geocomposite Wall Drain	SQ YD		466	466
Pipe Underdrains for Structures 4"	FOOT		372	372
Slope Wall Crack Sealing	FOOT		1,346	1,346
Concrete Color Additive	CY YD	59.5		59.5
Bridge Deck Grooving (Longitudinal)	SQ YD	2,578		2,578
Form Liner Textured Surface (Special)	SQ YD	1,229		1,229
Bar Terminators	EACH	972		972
Architectural Form Liner	SQ YD	8		8
Jack and Remove Existing Bearings	EACH		72	72
Cleaning Bridge Seats	SQ FT		1,545	1,545
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT		152	152
Diamond Grinding (Bridge Section)	SQ YD	2,532		2,532
Slope Wall Repair	SQ YD		20	20
Concrete Sealant (Special)	SQ YD	111		111

CURVE DATA

IL 53 SB PGL	Centerline IL 53	IL 53 NB PGL
Exist. Curve IL53_PGL_SB_7	Exist. Curve IL53_EAL_7	Exist. Curve IL53_PGL_NB_7
P.I. Sta. = 3246+07.81	P.I. Sta. = 1245+92.84	P.I. Sta. = 2245+77.88
Δ = 27° 21' 00" (Rt)	Δ = 27° 21' 00" (Rt)	Δ = 27° 21' 00" (Rt)
D = 0° 56' 56"	D = 0° 57' 18"	D = 0° 57' 40"
R = 6,038.00'	R = 6,000.00'	R = 5,962.00'
T = 1,469.11'	T = 1,459.87'	T = 1,450.62'
L = 2,882.22'	L = 2,864.08'	L = 2,845.94'
E = 176.16'	E = 175.05'	E = 173.94'
P.C. Sta. = 3231+38.69	P.C. Sta. = 1231+32.97	P.C. Sta. = 2231+27.26
P.T. Sta. = 3260+20.91	P.T. Sta. = 1259+97.06	P.T. Sta. = 2259+73.20
SE = 2.0%	SE = 2.0%	SE = 2.0%



OFFSET SKETCH



SB IL 53 PROFILE GRADE

NB IL 53 PROFILE GRADE

INDUSTRIAL AVE. PROFILE GRADE

Note:
The IL 53 Profile Grades show the final grade after grinding.

△1 REVISED SHEET 10/31/2024

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PLOT DATE = 10/25/2024	CHECKED - TJE	REVISED -	

GENERAL NOTES AND TOTAL BILL OF MATERIALS
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)

SHEET 2 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	760
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

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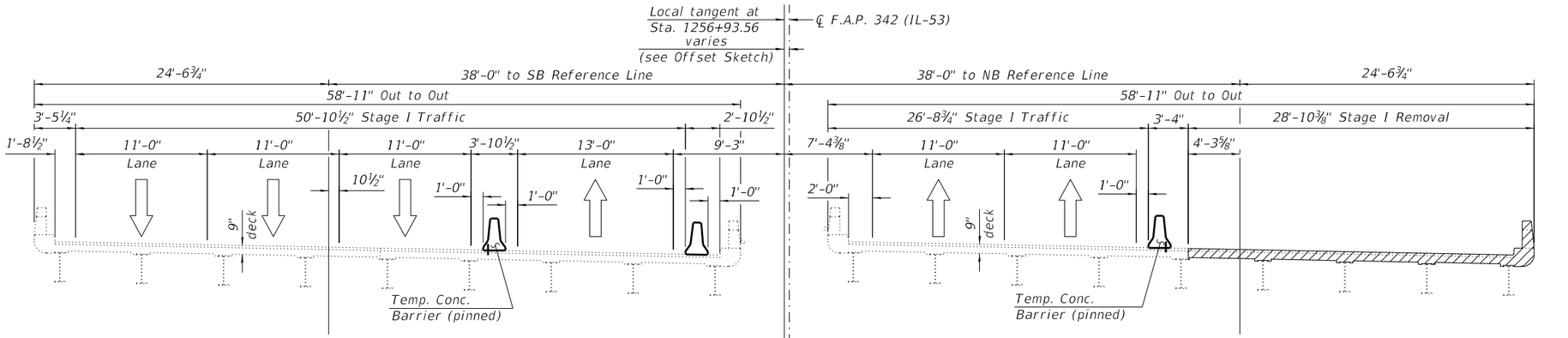
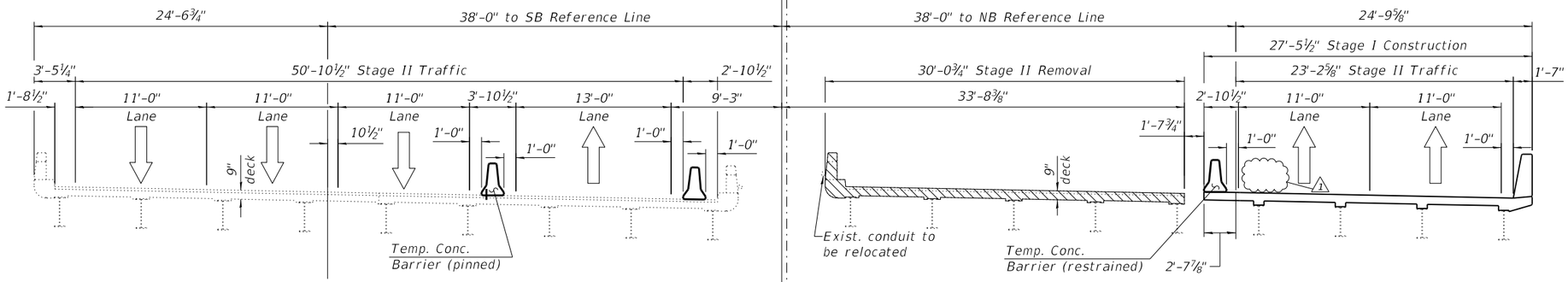


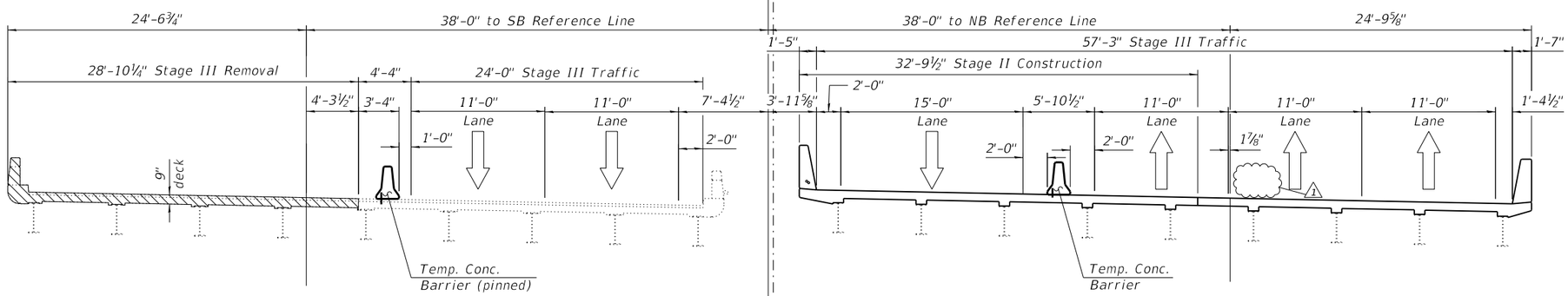
STAGE I TRAFFIC SB
(SN 016-1120)

STAGE I TRAFFIC AND REMOVAL NB
(SN 016-0375)



STAGE II TRAFFIC SB
(SN 016-1120)

STAGE I CONSTRUCTION AND II TRAFFIC AND REMOVAL NB
(SN 016-0375)



STAGE III TRAFFIC AND REMOVAL SB
(SN 016-1120)

STAGE II CONSTRUCTION AND STAGE III TRAFFIC NB
(SN 016-0375)

Notes:
1. Hatching represents limits of Removal.
2. All sections are looking north.
3. All transverse dimensions are at right angles to the local tangent.
4. Existing transverse dimensions are based on field survey data.
5. For Offset sketch, see sheet 2 of 48.

1 REVISED SHEET 10/31/2024

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IDFPR NO. 184-001273

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	CHECKED - KRB	REVISED -			
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PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	761
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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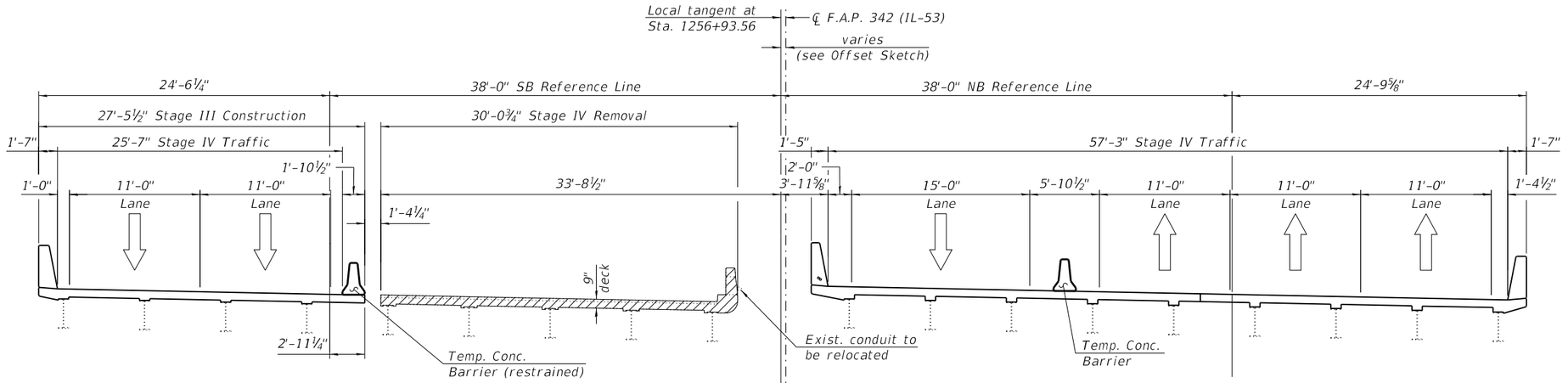
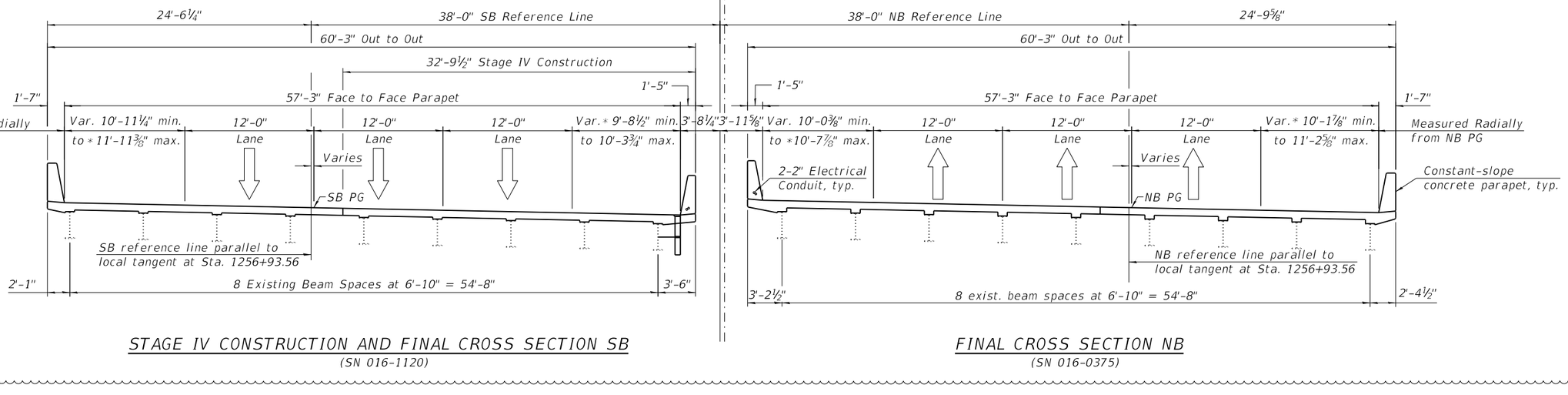


STAGE III CONSTRUCTION AND STAGE IV TRAFFIC AND REMOVAL SB

(SN 016-1120)

STAGE IV TRAFFIC NB

(SN 016-0375)



STAGE IV CONSTRUCTION AND FINAL CROSS SECTION SB

(SN 016-1120)

FINAL CROSS SECTION NB

(SN 016-0375)

* The reported measured shoulder distance was taken radially from the intersection of the outside lane line at the limits of the bridge deck taken at the front face of the parapet.

Notes:
1. Hatching represents limits of Removal.
2. All sections are looking north.
3. All transverse dimensions are at right angles to the local tangent, unless noted otherwise.
4. Existing transverse dimensions are based on field survey data.
5. For Offset sketch, see sheet 2 of 48.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION STAGING (2 OF 2)
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)

SHEET 4 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	762

CONTRACT NO. 62W38

ILLINOIS | FED. AID PROJECT

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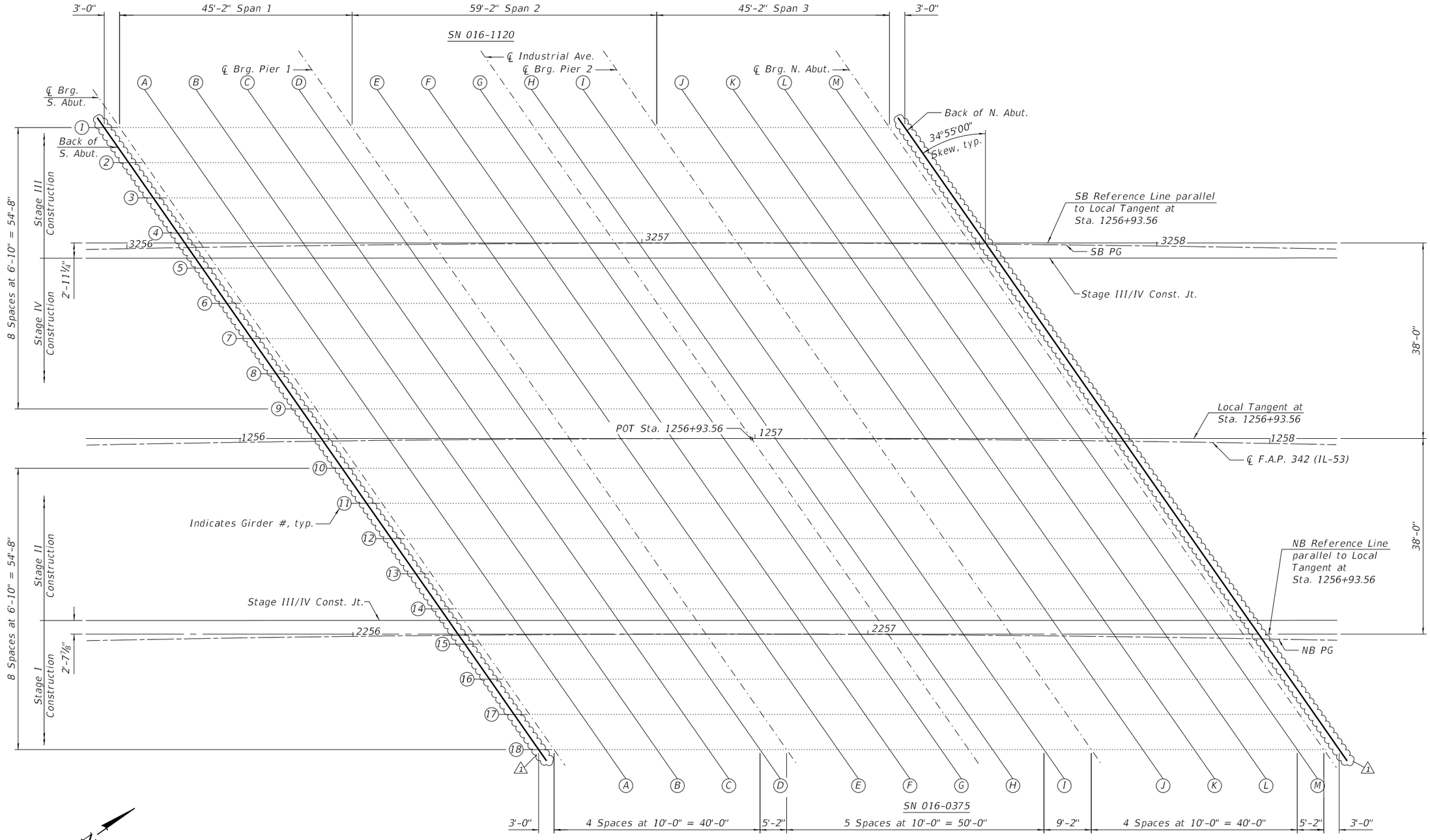

TOP OF DECK SLAB PLAN

1 REVISED SHEET 10/31/2024

Notes:
1. Work this sheet with sheets 7-11 of 48.
2. For Offset Sketch, see sheet 2 of 48.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION LAYOUT
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)
SHEET 6 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	764
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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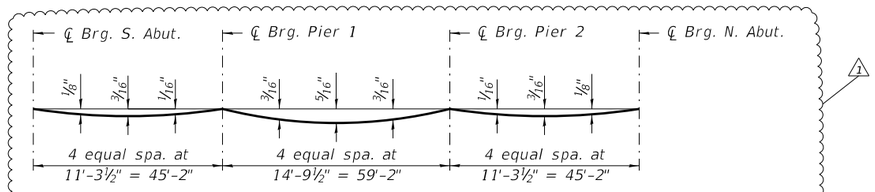
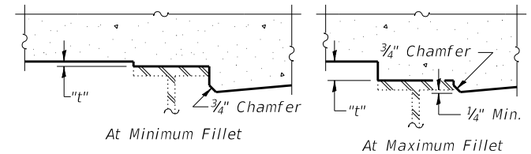


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown on sheets 7-11.



1 To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 6. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection and Grinding" shown on sheets 7-11, minus the initial slab thickness prior to grinding, equals the fillet heights "t" above top flange of beams.
The slab is to be ground after curing to achieve smoothness, but the slab is not to be ground to elevations below the "Theoretical Grade Elevations" shown on sheets 7-11. For grinding the deck, see Special Provisions.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
BK. S. ABUT.	3255+96.02	-23.62	745.45	745.47
CL BRG. S. ABUT.	3255+99.01	-23.57	745.45	745.47
A	3256+08.97	-23.38	745.42	745.46
B	3256+18.93	-23.21	745.40	745.44
C	3256+28.89	-23.06	745.37	745.40
D	3256+38.85	-22.93	745.34	745.36
CL BRG. PIER 1	3256+44.00	-22.86	745.33	745.35
E	3256+53.96	-22.75	745.29	745.33
F	3256+63.92	-22.66	745.26	745.31
G	3256+73.88	-22.58	745.22	745.28
H	3256+83.85	-22.52	745.18	745.23
I	3256+93.81	-22.48	745.14	745.17
CL BRG. PIER 2	3257+02.94	-22.45	745.10	745.12
J	3257+12.91	-22.44	745.05	745.08
K	3257+22.87	-22.44	745.00	745.04
L	3257+32.83	-22.46	744.95	744.99
M	3257+42.79	-22.50	744.90	744.93
CL BRG. N. ABUT.	3257+47.94	-22.52	744.87	744.90
BK. N. ABUT.	3257+50.93	-22.54	744.86	744.88

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
BK. S. ABUT.	3256+00.64	-16.70	745.31	745.33
CL BRG. S. ABUT.	3256+03.63	-16.64	745.30	745.32
A	3256+13.61	-16.47	745.28	745.31
B	3256+23.58	-16.31	745.25	745.29
C	3256+33.55	-16.16	745.22	745.25
D	3256+43.52	-16.03	745.19	745.21
CL BRG. PIER 1	3256+48.67	-15.97	745.17	745.19
E	3256+58.65	-15.87	745.14	745.17
F	3256+68.62	-15.79	745.10	745.15
G	3256+78.59	-15.72	745.06	745.11
H	3256+88.57	-15.66	745.02	745.07
I	3256+98.54	-15.63	744.98	745.01
CL BRG. PIER 2	3257+07.69	-15.61	744.94	744.96
J	3257+17.66	-15.60	744.89	744.92
K	3257+27.63	-15.62	744.84	744.88
L	3257+37.61	-15.64	744.79	744.83
M	3257+47.58	-15.69	744.74	744.77
CL BRG. N. ABUT.	3257+52.74	-15.72	744.71	744.73
BK. N. ABUT.	3257+55.73	-15.74	744.69	744.72

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
BK. S. ABUT.	3256+05.28	-9.78	745.16	745.18
CL BRG. S. ABUT.	3256+08.27	-9.72	745.15	745.17
A	3256+18.25	-9.56	745.13	745.16
B	3256+28.23	-9.40	745.10	745.14
C	3256+38.22	-9.27	745.07	745.10
D	3256+48.20	-9.15	745.04	745.06
CL BRG. PIER 1	3256+53.36	-9.09	745.02	745.04
E	3256+63.35	-9.00	744.99	745.02
F	3256+73.33	-8.92	744.95	745.00
G	3256+83.32	-8.86	744.91	744.96
H	3256+93.30	-8.81	744.87	744.91
I	3257+03.29	-8.78	744.82	744.86
CL BRG. PIER 2	3257+12.44	-8.77	744.78	744.80
J	3257+22.43	-8.77	744.73	744.76
K	3257+32.41	-8.79	744.68	744.72
L	3257+42.40	-8.83	744.63	744.67
M	3257+52.38	-8.88	744.58	744.61
CL BRG. N. ABUT.	3257+57.54	-8.92	744.55	744.57
BK. N. ABUT.	3257+60.53	-8.94	744.53	744.55

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION (1 OF 5)
STRUCTURE NO. 016-1120 (SB)

SHEET 7 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	765
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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W. FACE OF PARAPET NB BRIDGE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2255+68.45	-34.93	745.86	745.88
A1	2255+78.39	-34.76	745.83	745.85
A2	2255+88.33	-34.62	745.79	745.81
N. End S. Approach	2255+98.27	-34.48	745.76	745.78

W. EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2255+75.77	-24.00	745.62	745.64
A1	2255+85.63	-24.00	745.59	745.61
A2	2255+95.50	-24.00	745.56	745.58
N. End S. Approach	2256+05.37	-24.00	745.52	745.54

STAGE I/II CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2255+89.79	-3.22	745.16	745.18
A1	2255+99.79	-3.09	745.12	745.14
A2	2256+09.78	-2.98	745.08	745.10
N. End S. Approach	2256+19.77	-2.88	745.04	745.06

NB PG

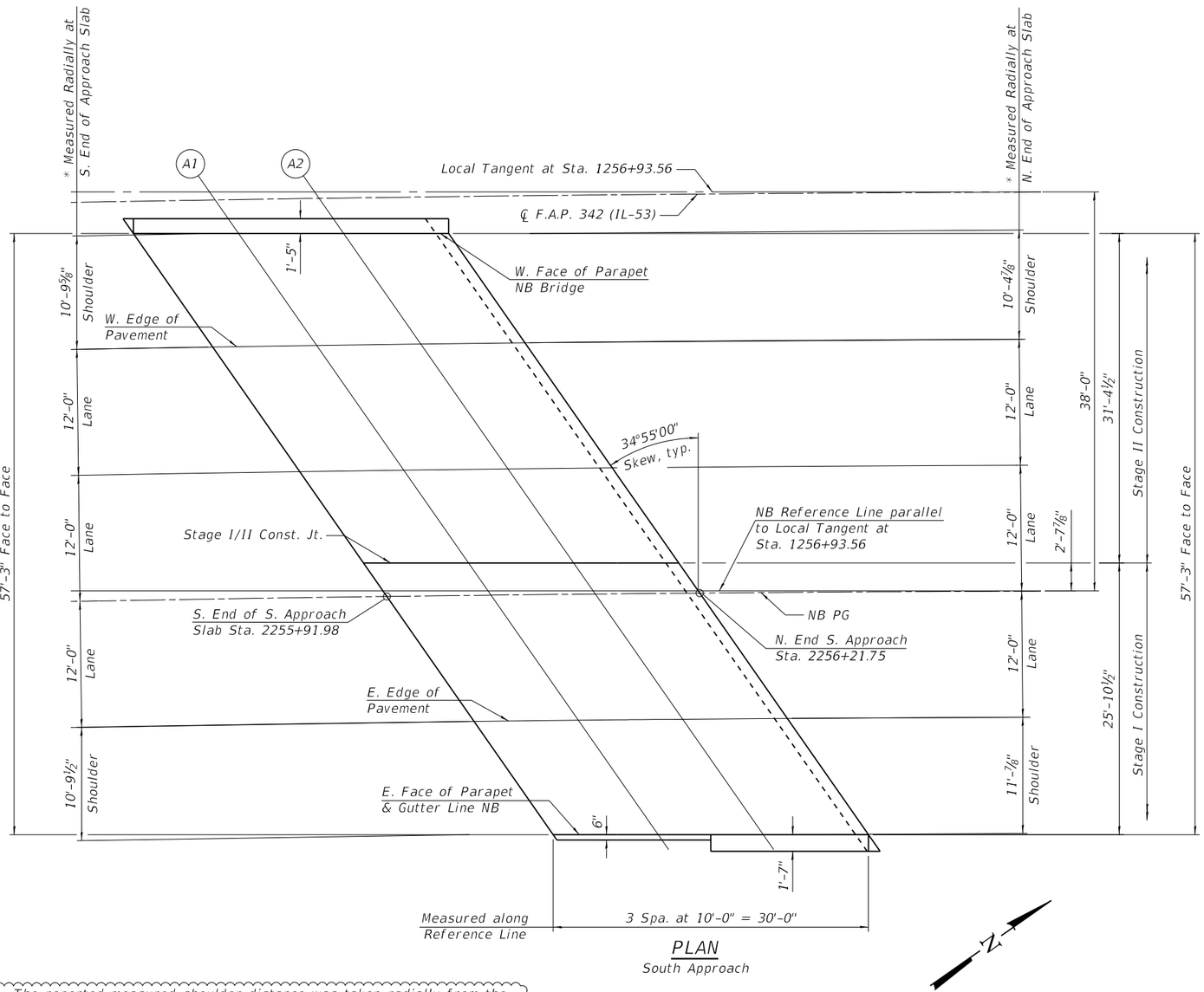
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2255+91.97	0.00	745.09	745.11
A1	2256+01.89	0.00	745.05	745.07
A2	2256+11.81	0.00	745.01	745.03
N. End S. Approach	2256+21.75	0.00	744.97	744.99

E. EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2256+00.13	12.00	744.82	744.84
A1	2256+10.08	12.00	744.78	744.80
A2	2256+20.03	12.00	744.74	744.76
N. End S. Approach	2256+30.00	12.00	744.70	744.72

E. FACE OF PARAPET & GUTTER LINE NB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2256+07.57	22.88	744.57	744.59
A1	2256+17.60	22.98	744.53	744.55
A2	2256+27.64	23.06	744.48	744.51
N. End S. Approach	2256+37.68	23.12	744.44	744.46



PLAN
South Approach

* The reported measured shoulder distance was taken radially from the intersection of the outside lane line at the limits of the approach slab taken at the front face of the parapet.

Notes:
1. All dimensions measured perpendicular to reference line unless otherwise noted.
2. For Offset sketch see sheet 2 of 48.

1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

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PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATION (1 OF 4)
STRUCTURE NO. 016-0375 (NB)
SHEET 12 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	770
		CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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W. FACE OF PARAPET NB BRIDGE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2257+50.46	-34.56	744.86	744.88
A3	2257+60.40	-34.70	744.78	744.80
A4	2257+70.34	-34.85	744.70	744.72
N. End N. Approach	2257+80.28	-35.03	744.61	744.63

W. EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2257+58.01	-24.00	744.58	744.60
A3	2257+68.08	-24.00	744.50	744.52
A4	2257+78.16	-24.00	744.41	744.43
N. End N. Approach	2257+88.25	-24.00	744.32	744.34

STAGE I/II CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2257+72.76	-3.51	744.05	744.07
A3	2257+82.75	-3.69	743.96	743.98
A4	2257+92.74	-3.89	743.87	743.89
N. End N. Approach	2258+02.73	-4.10	743.78	743.80

NB PG

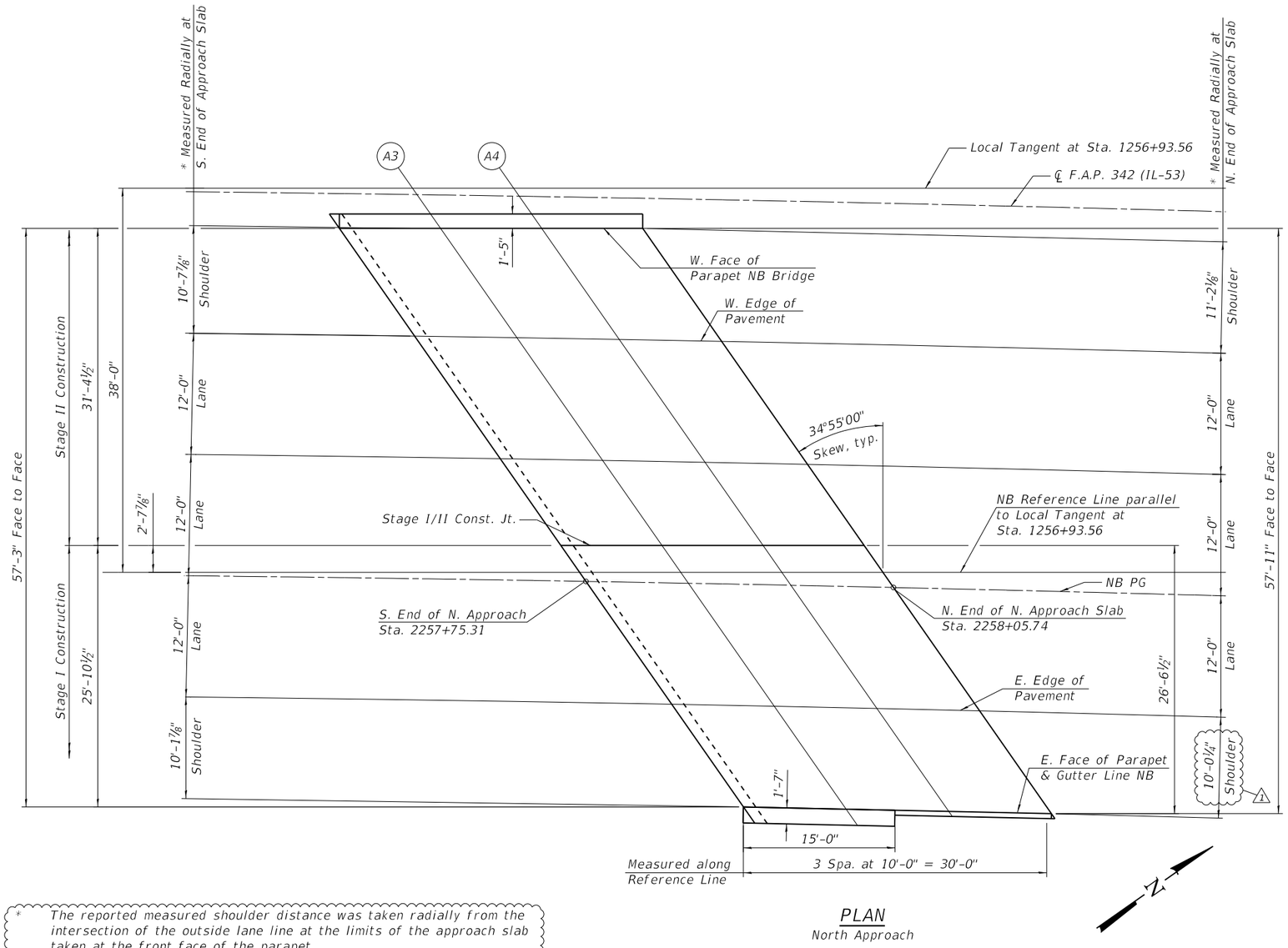
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2257+75.30	0.00	743.95	743.98
A3	2257+85.43	0.00	743.86	743.88
A4	2257+95.58	0.00	743.77	743.79
N. End N. Approach	2258+05.73	0.00	743.67	743.69

E. EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2257+84.01	12.00	743.64	743.66
A3	2257+94.18	12.00	743.54	743.56
A4	2258+04.35	12.00	743.44	743.46
N. End N. Approach	2258+14.54	12.00	743.34	743.36

E. FACE OF PARAPET AND GUTTER LINE NB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2257+91.32	22.02	743.37	743.39
A3	2258+01.52	22.03	743.27	743.29
A4	2258+11.72	22.02	743.17	743.19
N. End N. Approach	2258+21.91	22.00	743.07	743.09



PLAN
North Approach

* The reported measured shoulder distance was taken radially from the intersection of the outside lane line at the limits of the approach slab taken at the front face of the parapet.

Notes:
1. All dimensions measured perpendicular to reference line unless otherwise noted.
2. For Offset sketch see sheet 2 of 48.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATION (2 OF 4)
STRUCTURE NO. 016-0375 (NB)

SHEET 13 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	771
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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W. FACE OF PARAPET & GUTTER LINE SB

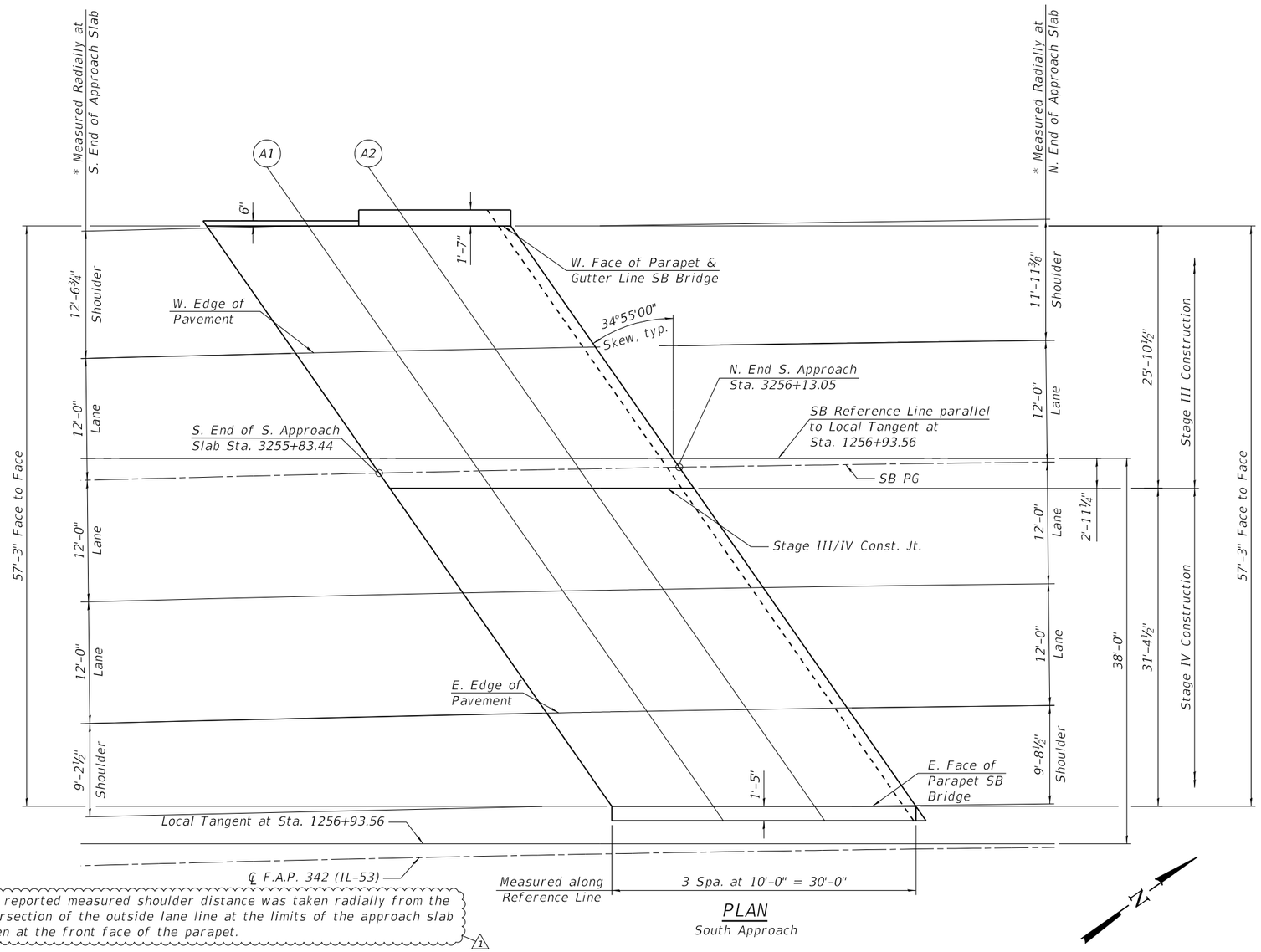
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3255+67.03	-24.77	745.52	745.54
A1	3255+76.98	-24.53	745.50	745.52
A2	3255+86.94	-24.31	745.48	745.50
N. End. S. Approach	3255+96.90	-24.11	745.46	745.48

W. EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3255+75.47	-12.00	745.25	745.27
A1	3255+85.30	-12.00	745.24	745.26
A2	3255+95.14	-12.00	745.22	745.24
N. End. S. Approach	3256+04.99	-12.00	745.20	745.22

SB PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3255+83.44	0.00	745.00	745.02
A1	3255+93.30	0.00	744.99	745.01
A2	3256+03.17	0.00	744.97	744.99
N. End. S. Approach	3256+13.04	0.00	744.95	744.97



PLAN
South Approach

* The reported measured shoulder distance was taken radially from the intersection of the outside lane line at the limits of the approach slab taken at the front face of the parapet.

STAGE III/IV CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3255+84.45	1.52	744.97	744.99
A1	3255+94.45	1.72	744.95	744.97
A2	3256+04.45	1.92	744.93	744.95
N. End. S. Approach	3256+14.45	2.09	744.90	744.92

E. EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3255+99.50	24.00	744.49	744.52
A1	3256+09.42	24.00	744.48	744.50
A2	3256+19.34	24.00	744.45	744.47
N. End. S. Approach	3256+29.28	24.00	744.43	744.45

E. FACE OF PARAPET SB BRIDGE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3256+05.78	33.32	744.30	744.32
A1	3256+15.84	33.49	744.27	744.29
A2	3256+25.89	33.65	744.24	744.27
N. End. S. Approach	3256+35.95	33.79	744.22	744.24

Notes:
1. All dimensions measured perpendicular to reference line unless otherwise noted.
2. For Offset sketch see sheet 2 of 48.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATION (3 OF 4)
STRUCTURE NO. 016-1120 (SB)

SHEET 14 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	772
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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W. FACE OF PARAPET & GUTTER LINE SB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3257+49.37	-23.03	744.88	744.90
A3	3257+59.33	-23.10	744.82	744.84
A4	3257+69.29	-23.18	744.76	744.78
N. End N. Approach	3257+79.25	-23.28	744.70	744.72

W. EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3257+57.15	-12.00	744.61	744.63
A3	3257+67.18	-12.00	744.55	744.57
A4	3257+77.23	-12.00	744.49	744.51
N. End N. Approach	3257+87.29	-12.00	744.42	744.45

SB PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3257+65.65	0.00	744.32	744.34
A3	3257+75.72	0.00	744.26	744.28
A4	3257+85.79	0.00	744.19	744.21
N. End N. Approach	3257+95.88	0.00	744.13	744.15

STAGE III/IV CONST. JT.

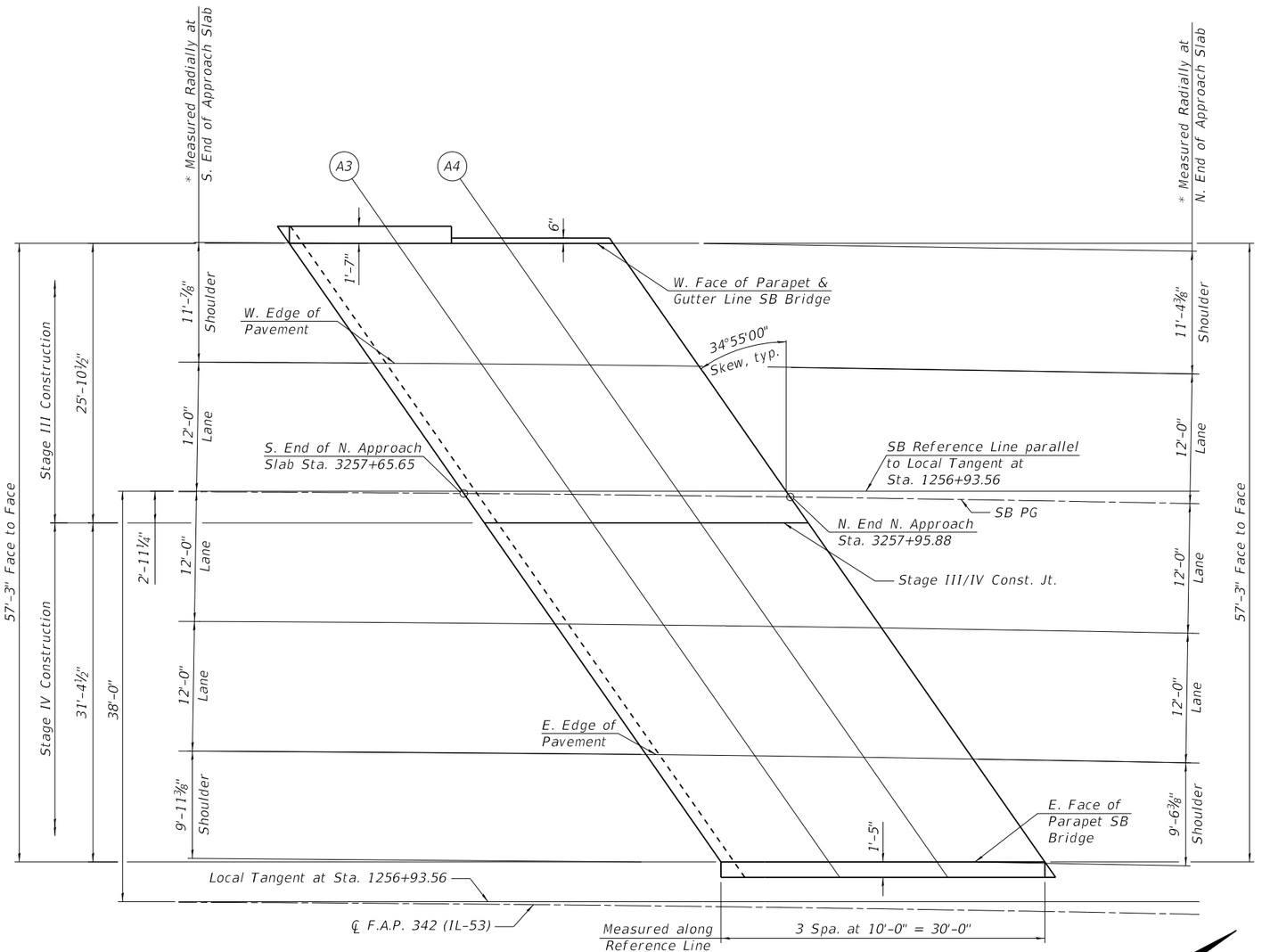
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3257+67.58	2.71	744.25	744.28
A3	3257+77.58	2.62	744.19	744.22
A4	3257+87.59	2.51	744.13	744.15
N. End N. Approach	3257+97.59	2.38	744.07	744.09

E. EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3257+82.79	24.00	743.73	743.75
A3	3257+92.91	24.00	743.67	743.69
A4	3258+03.05	24.00	743.60	743.62
N. End N. Approach	3258+13.20	24.00	743.53	743.55

E. FACE OF PARAPET SB BRIDGE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3257+89.88	33.86	743.49	743.51
A3	3257+99.93	33.73	743.42	743.45
A4	3258+09.99	33.58	743.36	743.38
N. End N. Approach	3258+20.04	33.41	743.29	743.31



PLAN
North Approach

* The reported measured shoulder distance was taken radially from the intersection of the outside lane line at the limits of the approach slab taken at the front face of the parapet.

Notes:
1. All dimensions measured perpendicular to reference line unless otherwise noted.
2. For Offset sketch see sheet 2 of 48.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATION (4 OF 4)
STRUCTURE NO. 016-1120 (SB)

SHEET 15 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	773
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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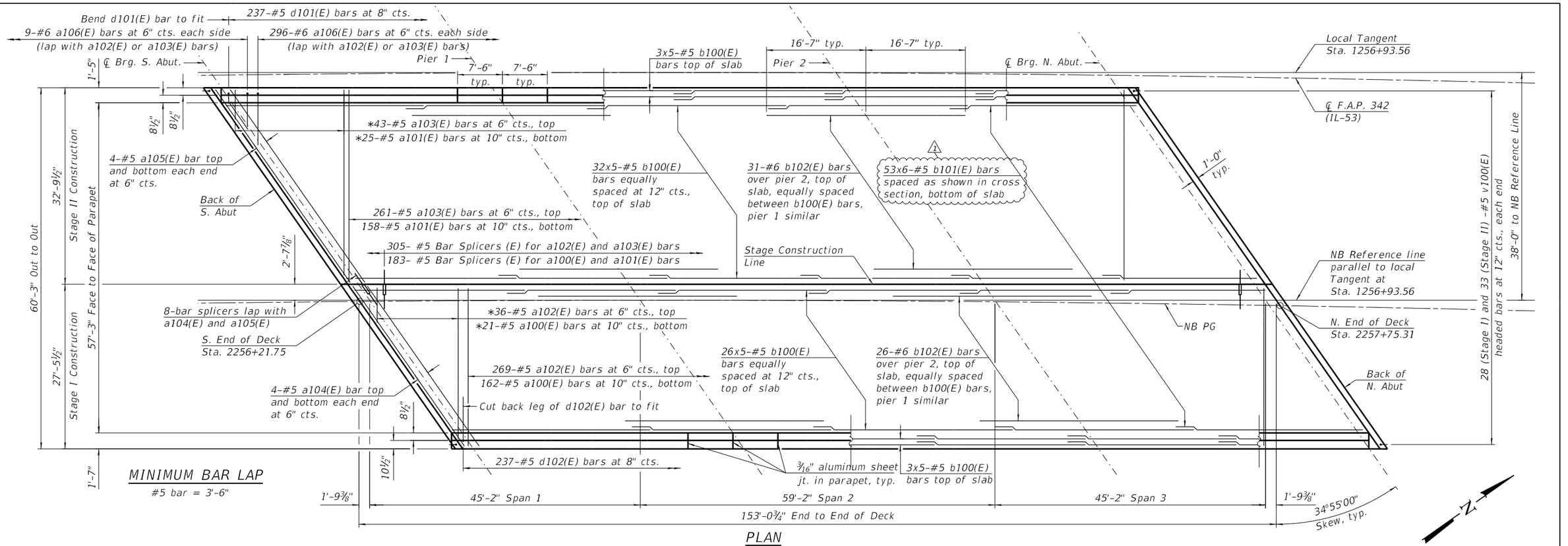
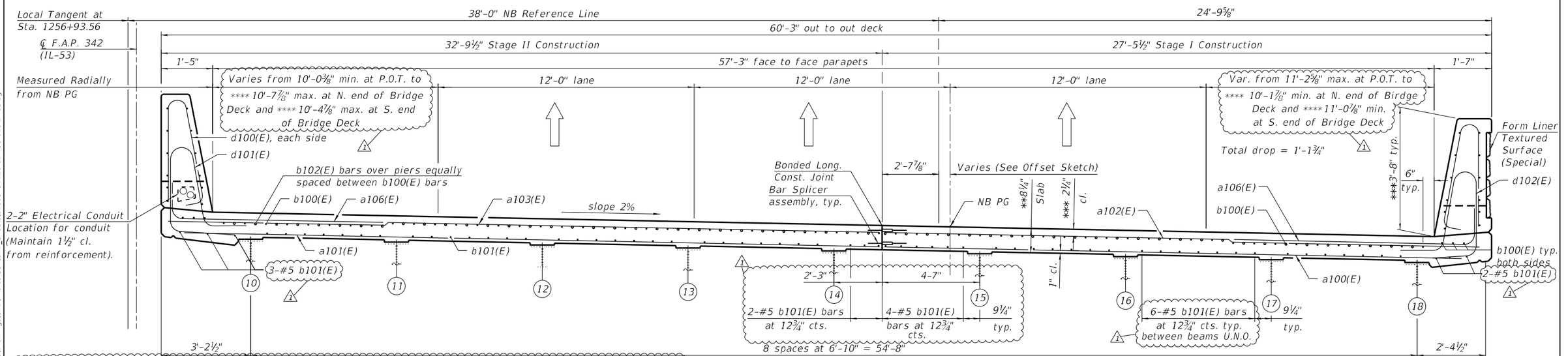


MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN



* Order bars full length. Cut to fit skew and use remainder of bars in opposite end of deck (except a106(E) and a131(E) bars). Bars shorter than minimum lap length do not need to be placed in the deck. See sheet 18 of 48 for field cutting diagram.
** Prior to Grinding
*** After Grinding
**** The reported measured shoulder distance was taken radially from the intersection of the outside lane line at the limits of the bridge deck taken at the front face of parapet.

CROSS SECTION

(Looking North)

1 REVISED SHEET 10/31/2024

Notes:
1. See sheet 18 of 48 for superstructure details and Bill of Material.
2. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN AND CROSS SECTION
STRUCTURE NO. 016-0375 (NB)

SHEET 16 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	774
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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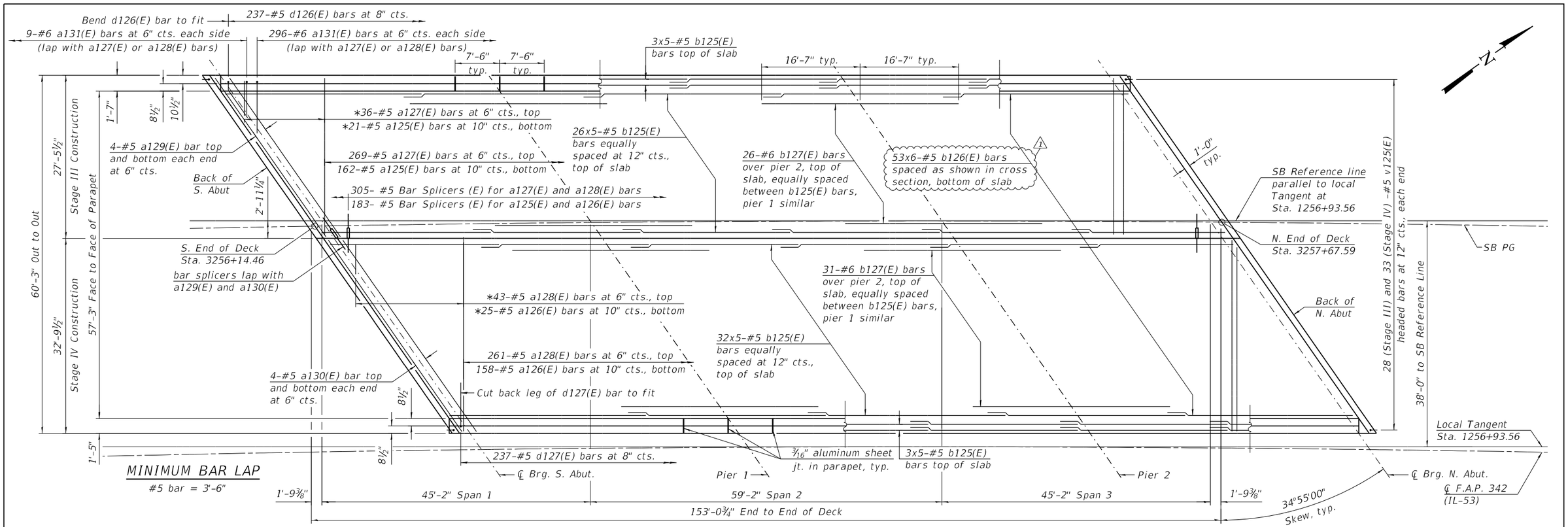
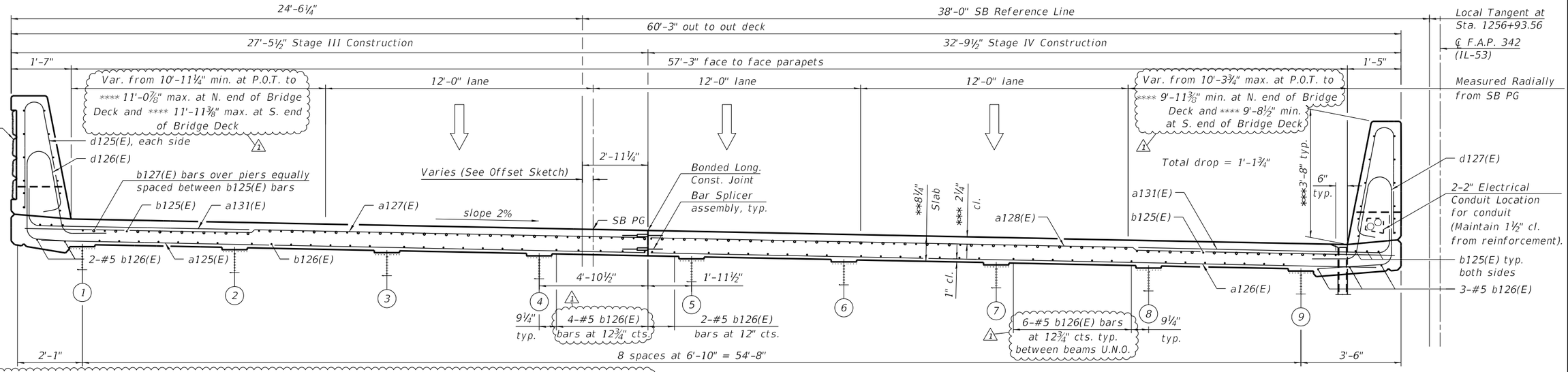


PLAN



* Order bars full length. Cut to fit skew and use remainder of bars in opposite end of deck (except a106(E) and a131(E) bars). Bars shorter than minimum lap length do not need to be placed in the deck. See sheet 18 of 48 for field cutting diagram.
** Prior to Grinding
*** After Grinding
**** The reported measured shoulder distance was taken radially from the intersection of the outside lane line at the limits of the bridge deck taken at the front face of parapet.

CROSS SECTION
(Looking North)

Notes:
1. See sheet 18 of 48 for superstructure details and Bill of Material.
2. Bars indicated thus 20 x 3–#5 etc. indicates 20 lines of bars with 3 lengths per line.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN AND CROSS SECTION
STRUCTURE NO. 016-1120 (SB)
SHEET 17 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	775
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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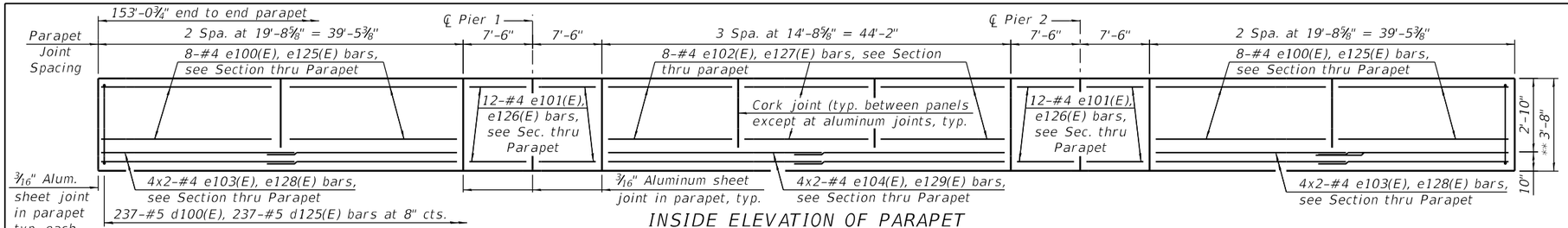
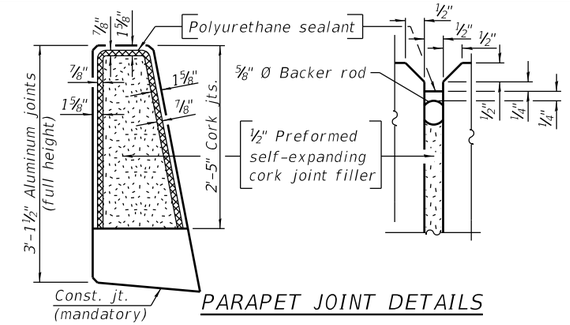
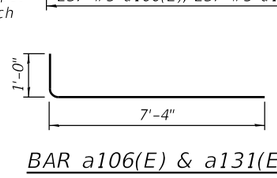


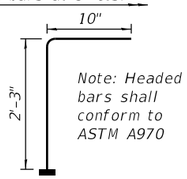
INSIDE ELEVATION OF PARAPET



PARAPET JOINT DETAILS

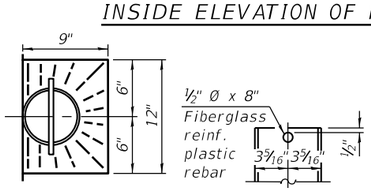


BAR a106(E) & a131(E)



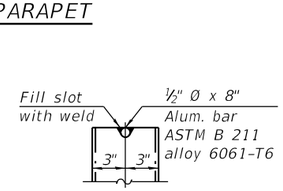
BAR v100(E), v125(E)

(Headed v100(E) 122-#5 bar terminators)
(Headed v125(E) 122-#5 bar terminators)

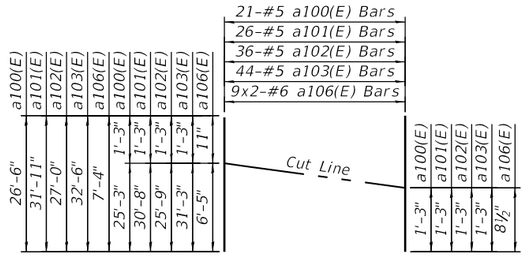


TOP PLAN

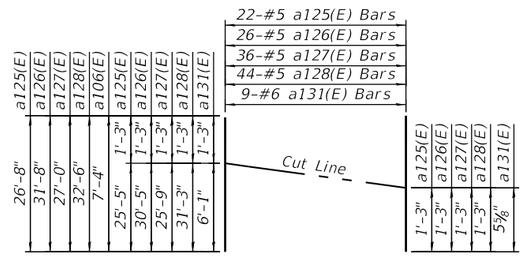
FIBERGLASS PIPE



ALUMINUM TUBE

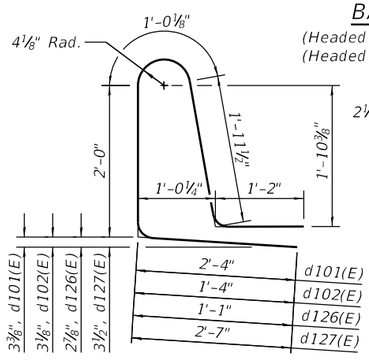


NORTHBOUND DECK FIELD CUTTING DIAGRAM

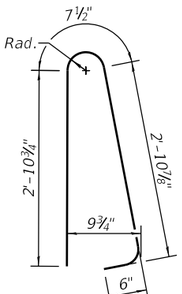


SOUTHBOUND DECK FIELD CUTTING DIAGRAM

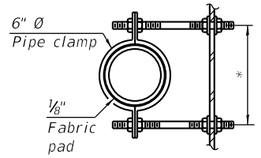
Order bars full length. Cut to fit skew and use remainder of bars in opposite end of deck (except a106(E) and a131(E) bars). Bars shorter than minimum lap length do not need to be placed in the deck.



BAR d101(E), d102(E), d126(E) & d127(E)

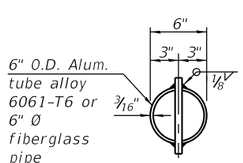


BAR d100(E) & d125(E)



SECTION A-A

*Dimension as required by pipe clamp

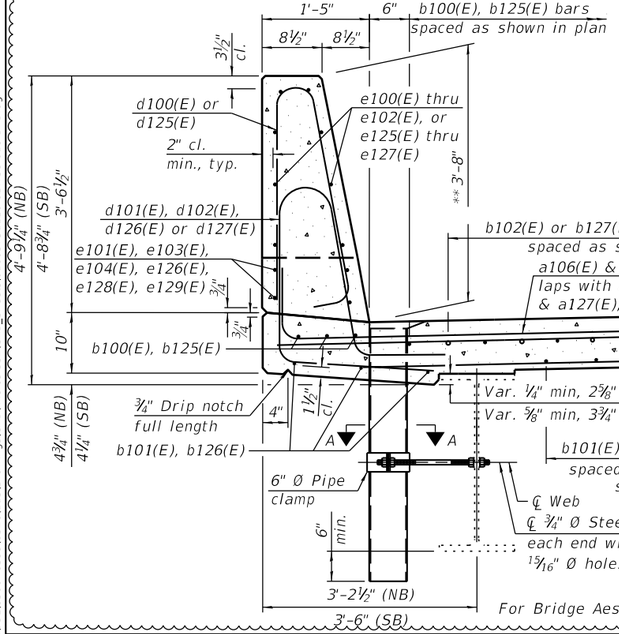


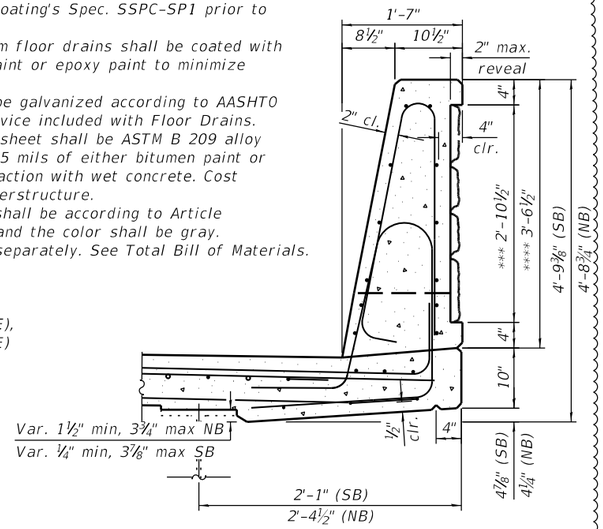
TOP PLAN

(Showing aluminum tube)

Notes:

1. Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
2. The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.
3. The top portion of aluminum floor drains shall be coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete.
4. The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
5. The 3/16" minimum aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
6. The Polyurethane Sealant shall be according to Article 1050.04 od the Std. Spec. and the color shall be gray.
7. Bar terminators, paid for separately. See Total Bill of Materials.





** After Grinding
*** Pay limits for Concrete Sealant, Special
**** Pay limits for Form Liner textured surface (Special)

SECTION THRU PARAPET

For Bridge Aesthetic plan and details not shown in Structure Plans, see Bridge Aesthetic Plans.

SUPERSTRUCTURE BILL OF MATERIAL

Structure No. 016-0375 (NB)

Bar	No.	Size	Length	Shape
a100(E)	183	#5	26'-8"	——
a101(E)	183	#5	31'-11"	——
a102(E)	305	#5	27'-1"	——
a103(E)	304	#5	32'-6"	——
a104(E)	16	#5	33'-0"	——
a105(E)	16	#5	39'-8"	——
a106(E)	609	#6	8'-4"	⌊——
b100(E)	320	#5	33'-5"	——
b101(E)	1 318	#5	28'-5"	——
b102(E)	114	#6	33'-2"	——
d100(E)	474	#5	7'-0"	⌋
d101(E)	237	#5	8'-6"	⌊⌋
d102(E)	237	#5	7'-6"	⌊⌋
e100(E)	64	#4	19'-4"	——
e101(E)	96	#4	7'-2"	——
e102(E)	48	#4	14'-4"	——
e103(E)	32	#4	20'-9"	——
e104(E)	16	#4	23'-2"	——
v100(E)	122	#5	3'-1"	⌊——
Concrete Superstructures		CU YD	1 307.5	
Protective Coat		SQ YD	1 1,126	
Reinforcement Bars, Epoxy Coated		POUND	1 75,420	
Bar Splicers		EACH	504	
Bar Terminators		EACH	122	
Bridge Deck Grooving (Longitudinal)		SQ YD	926 1	
Form Liner Textured Surface (Special)		SQ FT	510	
Architectural Form Liner		SQ YD	4	
Concrete Color Additive		CU YD	1 24.9	
Diamond Grinding (Bridge Section)		SQ YD	909 1	
Concrete Sealant (Special)		SQ YD	46	

Structure No. 016-1120 (SB)

Bar	No.	Size	Length	Shape
a125(E)	183	#5	26'-10"	——
a126(E)	183	#5	31'-8"	——
a127(E)	305	#5	27'-2"	——
a128(E)	304	#5	32'-6"	——
a129(E)	16	#5	33'-0"	——
a130(E)	16	#5	39'-8"	——
a131(E)	610	#6	8'-4"	⌊——
b125(E)	320	#5	33'-5"	——
b126(E)	1 318	#5	28'-5"	——
b127(E)	114	#6	33'-2"	——
d125(E)	474	#5	7'-0"	⌋
d126(E)	237	#5	7'-3"	⌊⌋
d127(E)	237	#5	8'-9"	⌊⌋
e125(E)	64	#4	19'-4"	——
e126(E)	96	#4	7'-2"	——
e127(E)	48	#4	14'-4"	——
e128(E)	32	#4	20'-9"	——
e129(E)	16	#4	23'-2"	——
v125(E)	122	#5	3'-1"	⌊——
Concrete Superstructures		CU YD	1 307.5	
Protective Coat		SQ YD	1 1,126	
Reinforcement Bars, Epoxy Coated		POUND	1 75,450	
Bar Splicers		EACH	504	
Bar Terminators		EACH	122	
Bridge Deck Grooving (Longitudinal)		SQ YD	926 1	
Form Liner Textured Surface (Special)		SQ FT	510	
Architectural Form Liner		SQ YD	4	
Concrete Color Additive		CU YD	1 24.9	
Diamond Grinding (Bridge Section)		SQ YD	909 1	
Concrete Sealant (Special)		SQ YD	46	

Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK AND PARAPET DETAILS
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)

SHEET 18 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	776
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

1 REVISED SHEET 10/31/2024

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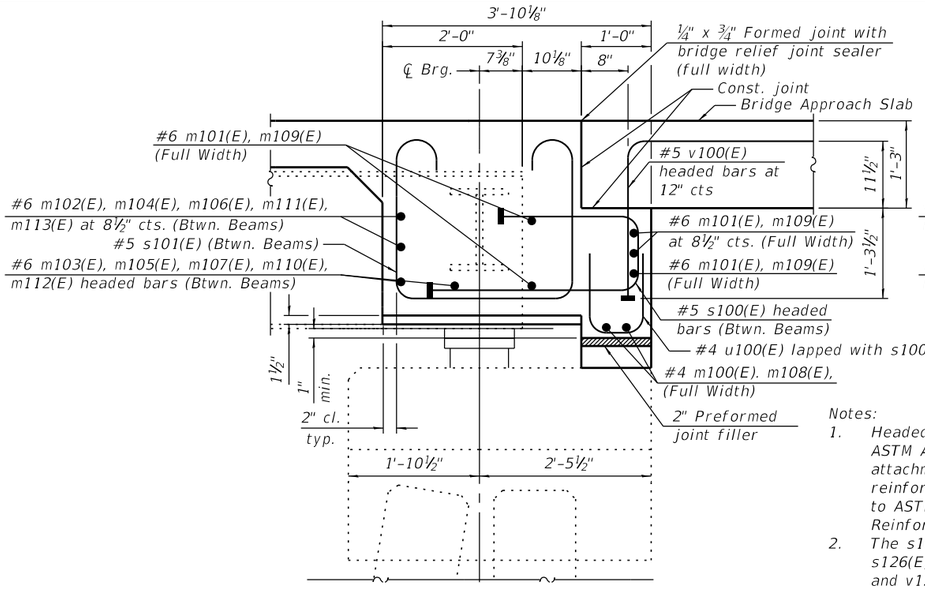
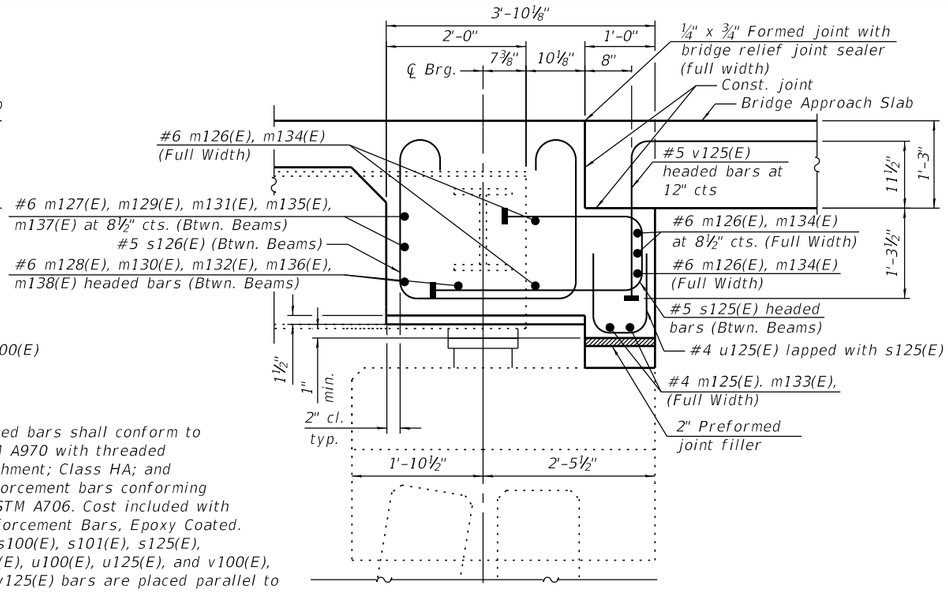


SECTION A–A

(Horiz. dim. at Rt. <'s to Bk. of Abut.)



SECTION B–B

(Horiz. dim. at Rt. <'s to Bk. of Abut.)

Notes:

1. Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
2. The s100(E), s101(E), s125(E), s126(E), u100(E), u125(E), and v100(E), and v125(E) bars are placed parallel to beams and spaced at right angles to beams.

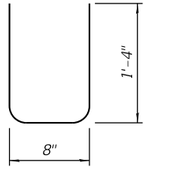
SEMI–INTERGRAL DIAPHGRAM BILL OF MATERIAL

Structure No. 016-0375 (NB)

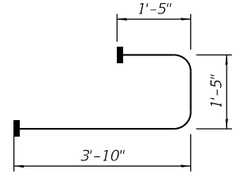
Bar	No.	Size	Length	Shape
m100(E)	4	#4	33'-0"	
m101(E)	10	#6	33'-0"	
m102(E)	28	#6	8'-0"	
m103(E)	28	#6	8'-0"	
m104(E)	4	#6	2'-4"	
m105(E)	4	#6	2'-4"	
m106(E)	4	#6	5'-3"	
m107(E)	4	#6	5'-3"	
m108(E)	4	#4	39'-9"	
m109(E)	10	#6	39'-9"	
m110(E)	4	#6	3'-7"	
m111(E)	4	#6	3'-7"	
m112(E)	4	#6	2'-5"	
m113(E)	4	#6	2'-5"	
s100(E)	142	#5	6'-8"	
s101(E)	126	#5	9'-0"	
u100(E)	142	#4	3'-4"	
Concrete Superstructures		CU YD	1 40.7	
Reinforcement Bars, Epoxy Coated		POUND	4,630	
Mechanical Splicers		EACH	22	
Bar Terminators		EACH	1 364	
Geocomposite Wall Drain		SQ YD	223	
Structure Excavation		CU YD	658	
Granular Backfill for		CU YD	548	
Pipe UnderDrains for Structures 4"		FOOT	186	

Structure No. 016-1120 (SB)

Bar	No.	Size	Length	Shape
m125(E)	4	#4	33'-0"	
m126(E)	10	#6	33'-0"	
m127(E)	28	#6	8'-0"	
m128(E)	28	#6	8'-0"	
m129(E)	4	#6	2'-0"	
m130(E)	4	#6	2'-0"	
m131(E)	4	#6	5'-10"	
m132(E)	4	#6	5'-10"	
m133(E)	4	#4	39'-9"	
m134(E)	10	#6	39'-9"	
m135(E)	4	#6	3'-11"	
m136(E)	4	#6	3'-11"	
m137(E)	4	#6	2'-2"	
m138(E)	4	#6	2'-2"	
s125(E)	142	#5	6'-8"	
s126(E)	126	#5	9'-0"	
u125(E)	142	#4	3'-4"	
Concrete Superstructures		CU YD	1 40.8	
Reinforcement Bars, Epoxy Coated		POUND	4,610	
Mechanical Splicers		EACH	22	
Bar Terminators		EACH	1 364	
Geocomposite Wall Drain		SQ YD	243	
Structure Excavation		CU YD	676	
Granular Backfill for		CU YD	560	
Pipe UnderDrains for Structures 4"		FOOT	186	

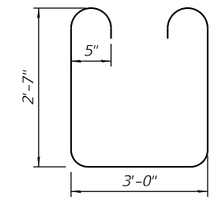


BAR u100(E), u125(E)



BAR s100(E), s125(E)

(Headed s100(E) 284-#5 bar terminators)
(Headed s125(E) 284-#5 bar terminators)

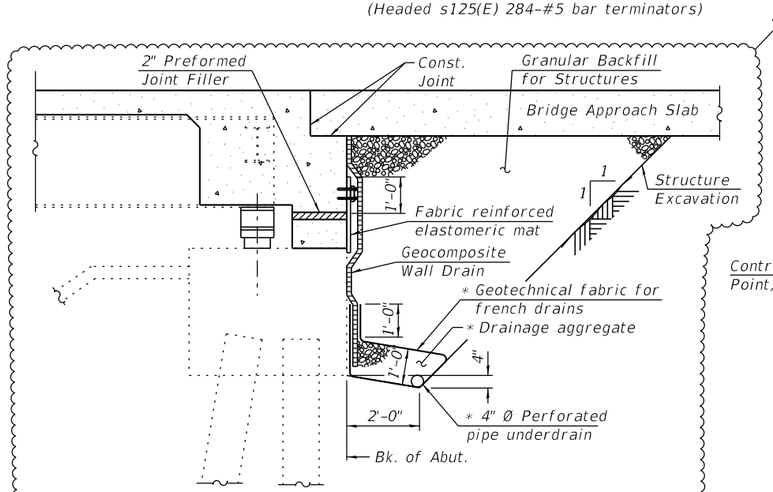


BAR s101(E), s126(E)

m103(E), m105(E), m107(E), m110(E), m128(E), m130(E), m132(E), AND m136(E)

(Headed m103(E) 56-#6 bar terminators)
(Headed m105(E) 8-#6 bar terminators)
(Headed m107(E) 8-#6 bar terminators)
(Headed m110(E) 8-#6 bar terminators)
(Headed m128(E) 56-#6 bar terminators)
(Headed m130(E) 8-#6 bar terminators)
(Headed m132(E) 8-#6 bar terminators)
(Headed m136(E) 8-#6 bar terminators)

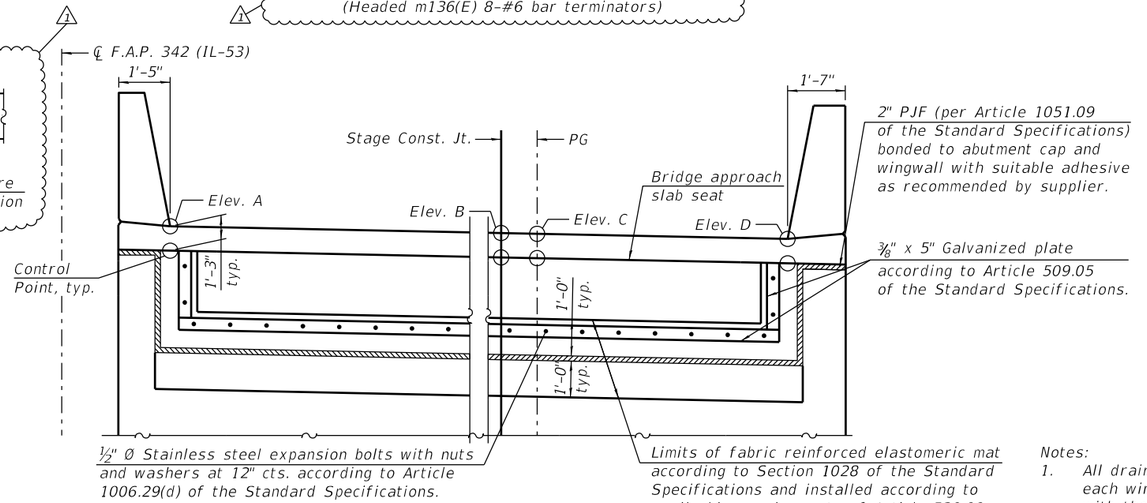
Appraoch Slab Edge Elevations				
Elev.	S.N. 016-1120		S.N. 016-0375	
	S. Abut	N. Abut	S. Abut	N. Abut
A	745.48	744.89	745.78	744.87
B	744.92	744.27	745.06	744.06
C	744.97	744.33	744.99	743.96
D	744.24	743.50	744.46	743.38



SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. at Rt. <'s to Bk. of Abut.)

* Included in the cost of pipe Underdrains for Structures



ELEVATION

(Looking at back of abutment)

Notes:

1. All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).
2. Cost of fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers and installation are included in the cost of Concrete Superstructure.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
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SEMI-INTEGRAL DETAILS
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)

SHEET 21 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	779
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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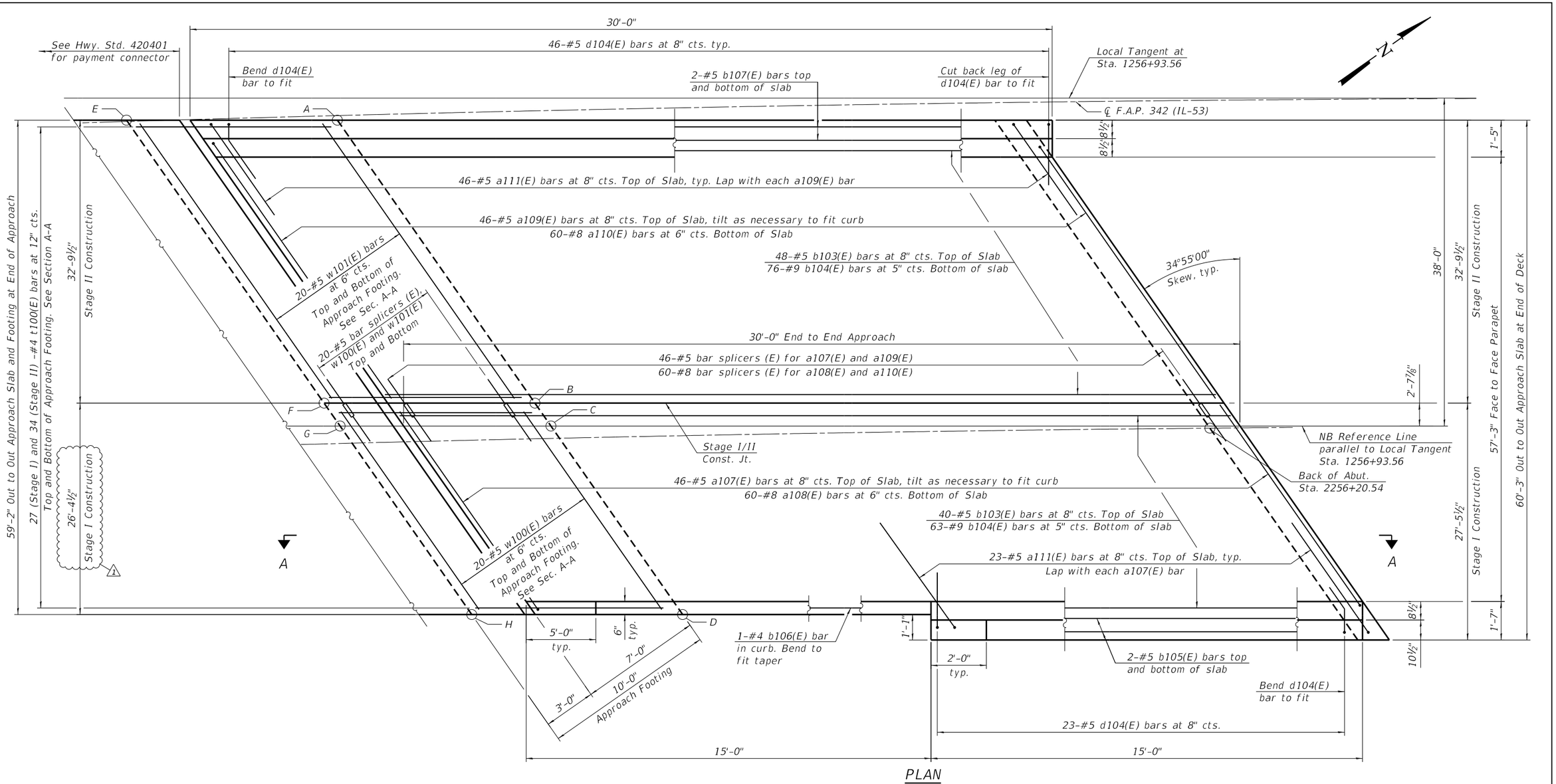

PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	Top	Bottom
A	744.61	743.78
B	743.88	743.04
C	743.81	742.97
D	743.28	742.44
E	744.65	743.82
F	743.92	743.09
G	743.85	743.02
H	743.33	742.49

Notes:
1. See sheet 24 of 48 for cross section.
2. See sheet 28 of 48 for Section A-A and Bill of Materials.

1 REVISED SHEET 10/31/2024

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SOUTH APPROACH SLAB PLAN (1 OF 2)
STRUCTURE NO. 016-0375 (NB)
SHEET 22 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	780
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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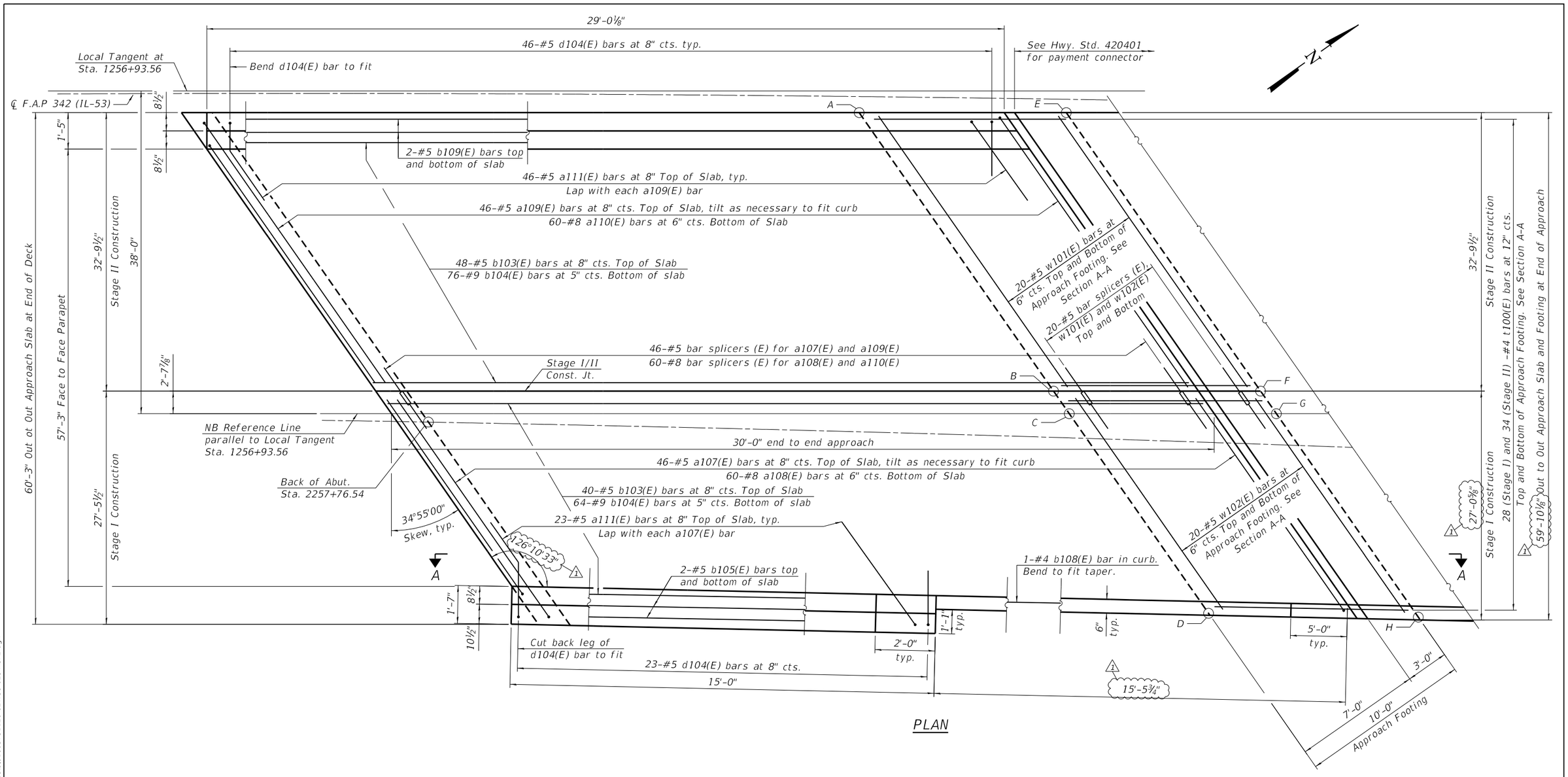

PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	Top	Bottom
A	743.47	742.64
B	742.61	741.78
C	742.50	741.67
D	741.90	741.07
E	743.37	742.53
F	742.50	741.66
G	742.38	741.55
H	741.77	740.94

Notes:
1. See sheet 24 of 48 for cross section.
2. See sheet 28 of 48 for Section A-A and Bill of Materials.

1 REVISED SHEET 10/31/2024

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NORTH APPROACH SLAB PLAN (2 OF 2)
STRUCTURE NO. 016-0375 (NB)
SHEET 23 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	781
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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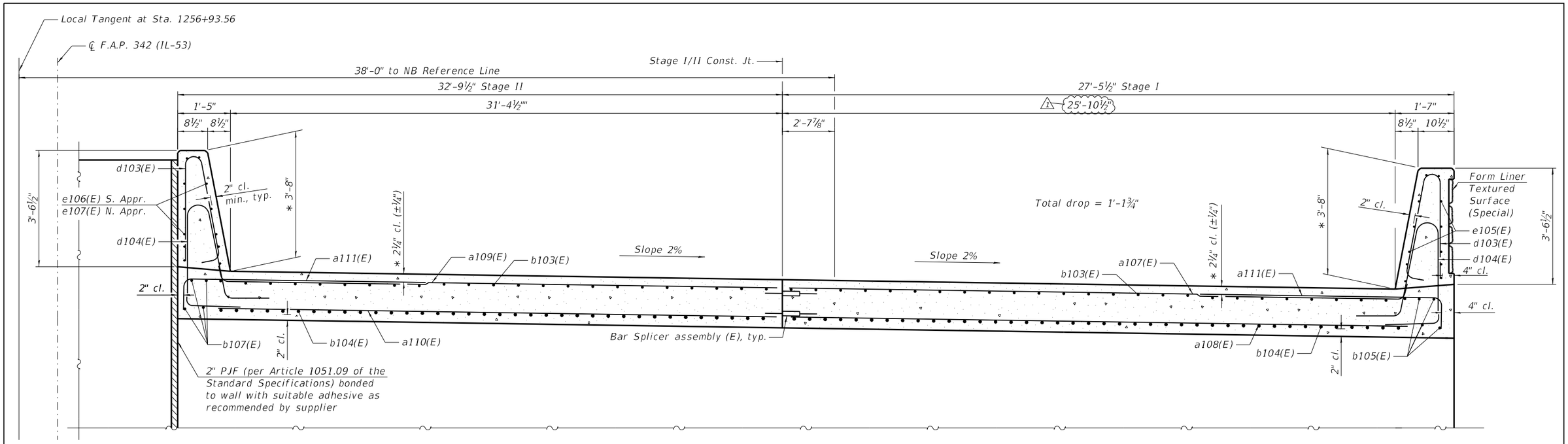
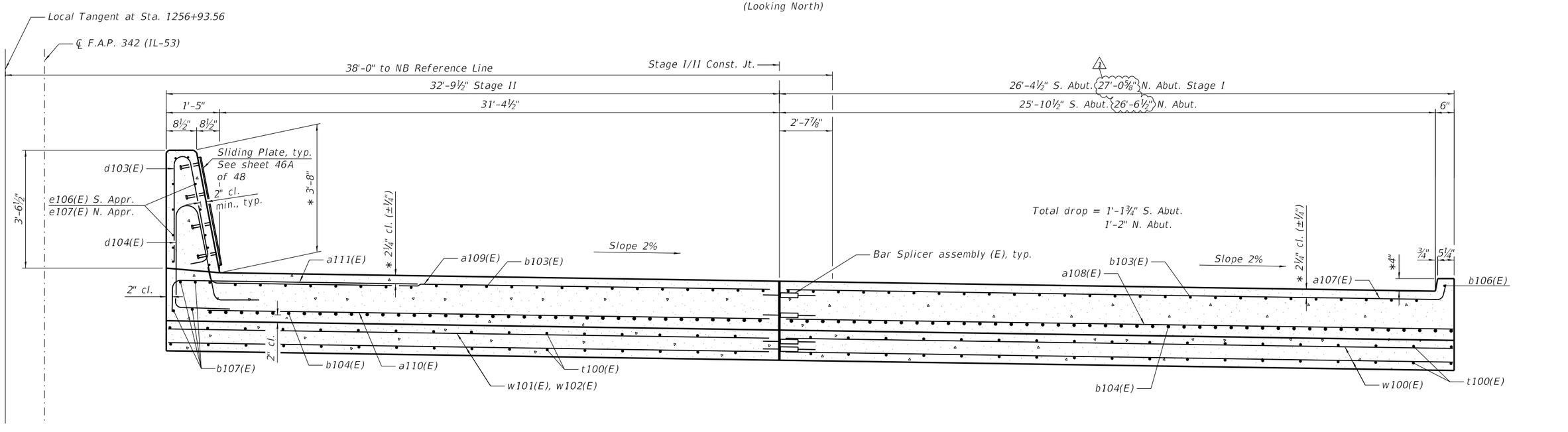


CROSS SECTION NEAR ABUTMENT

(Looking North)



CROSS SECTION AT APPROACH FOOTING

(Looking North)

Notes:
1. See sheet 28 of 48 for details and bill of materials.

* after grinding

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
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APPROACH SLAB CROSS SECTION
STRUCTURE NO. 016-0375 (NB)
SHEET 24 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	782
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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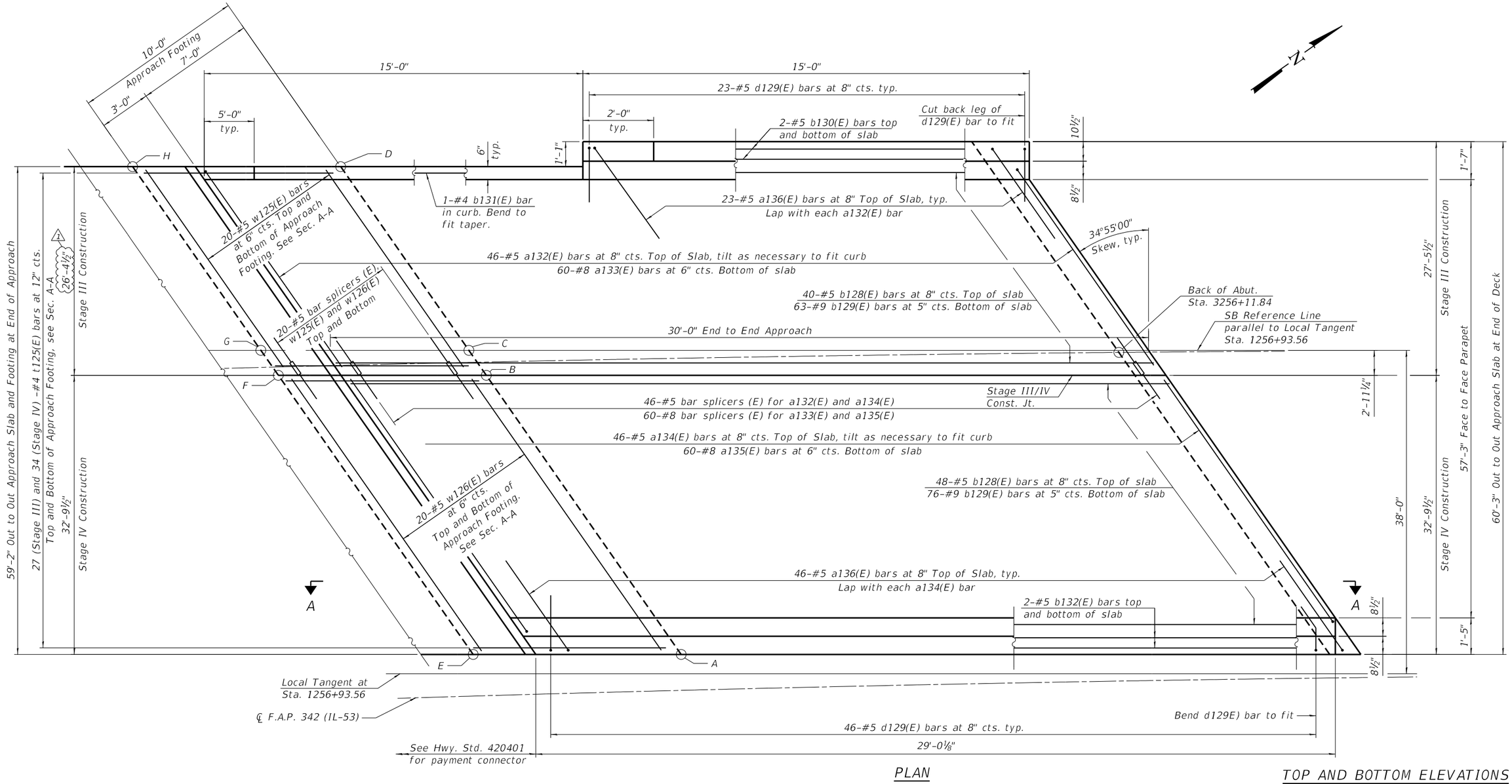

PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	Top	Bottom
A	742.99	742.16
B	743.70	742.87
C	743.74	742.90
D	744.26	743.43
E	743.02	742.19
F	743.73	742.89
G	743.76	742.92
H	744.28	743.45

Notes:
1. See sheet 27 of 48 for cross section.
2. See sheet 28 of 48 for Section A-A and Bill of Materials.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH APPROACH SLAB PLAN (1 OF 2)
STRUCTURE NO. 016-1120 (SB)
SHEET 25 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	783
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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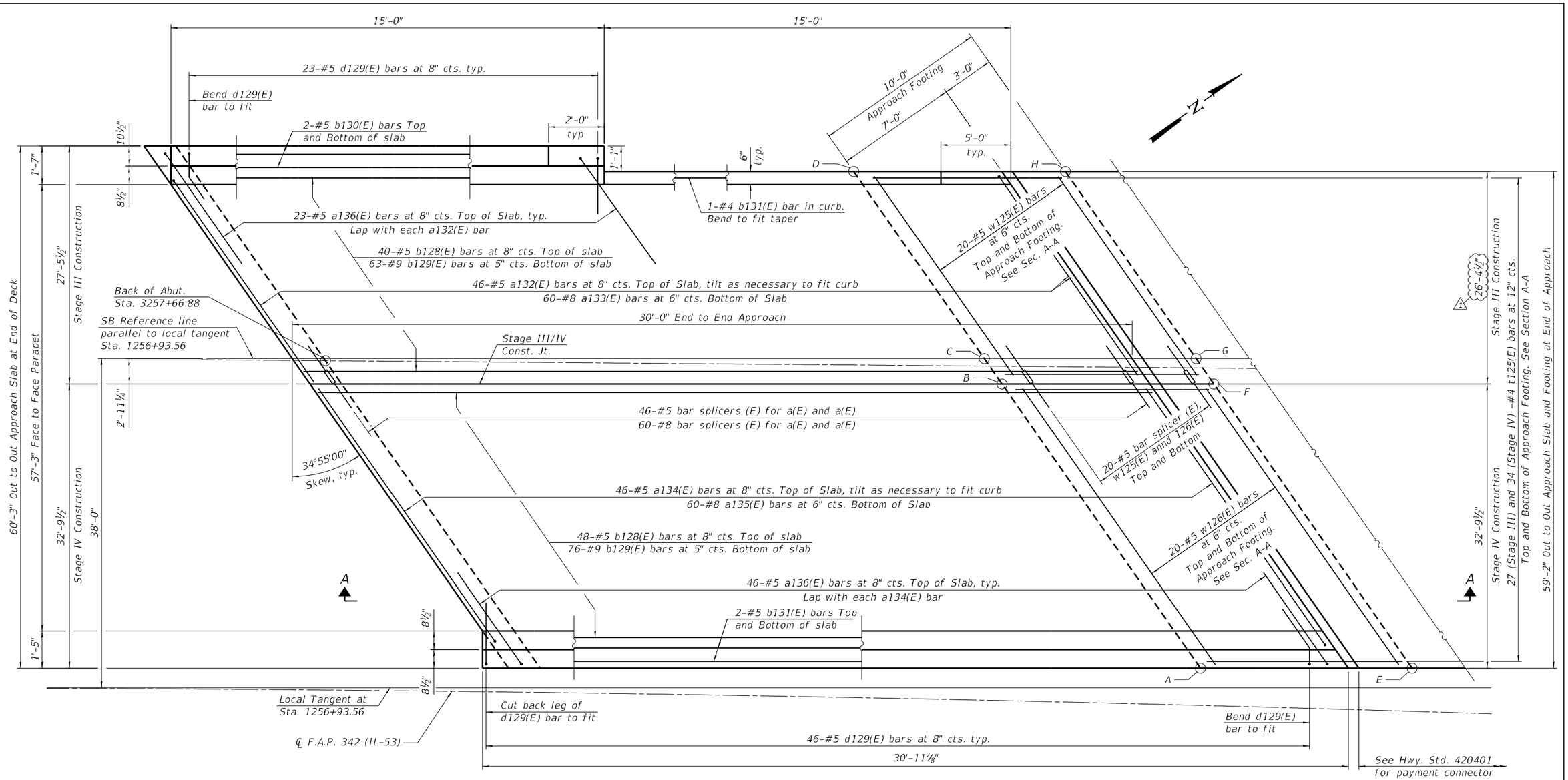

PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	Top	Bottom
A	742.06	741.23
B	742.87	742.04
C	742.93	742.10
D	743.52	742.68
E	741.97	741.14
F	742.79	741.96
G	742.85	742.02
H	743.44	742.61

Notes:
1. See sheet 27 of 48 for cross section.
2. See sheet 28 of 48 for Section A-A and Bill of Materials.

1 REVISED SHEET 10/31/2024

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IDFPR NO. 184-001273

USER NAME = codyh	DESIGNED - TJE	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTH APPROACH SLAB PLAN (2 OF 2) STRUCTURE NO. 016-1120 (SB)	
	CHECKED - KRB	REVISED -			
PLOT SCALE = 0:2.0000 ':' / in.	DRAWN - CJH	REVISED -		SHEET 26 OF 48 SHEETS	
PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	784
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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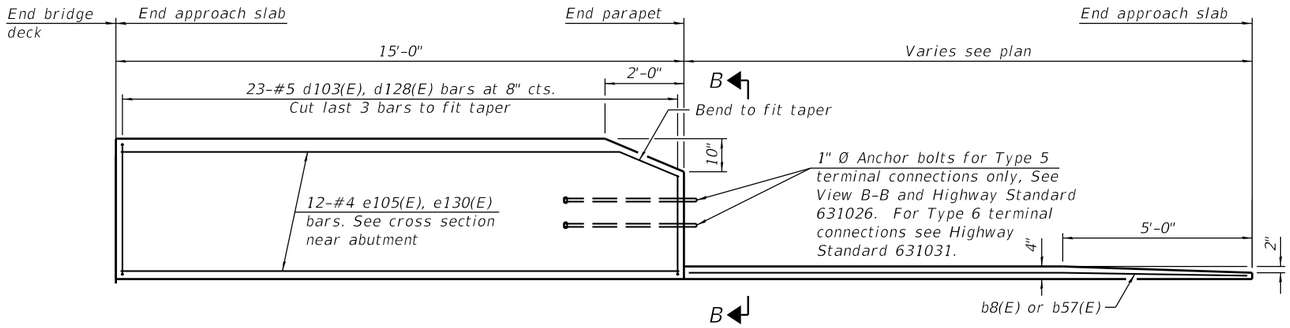
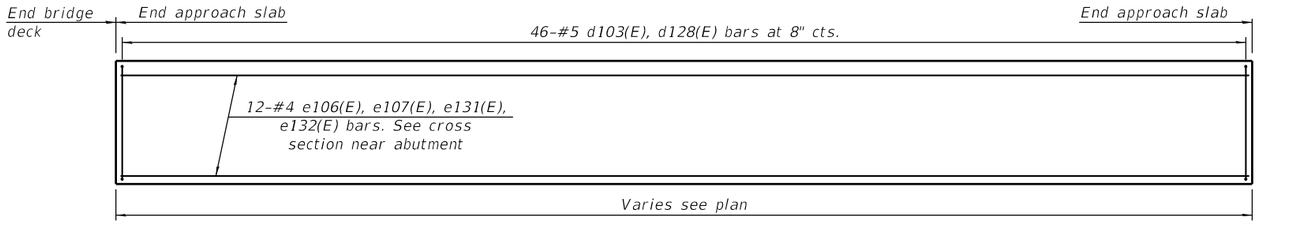
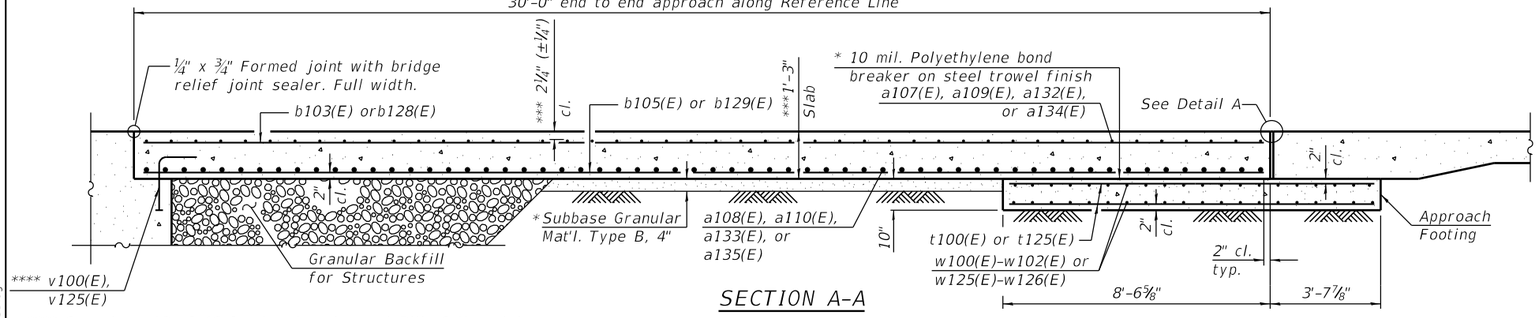


SN016-0375 EAST & SN016-1120 WEST INSIDE ELEVATION OF PARAPET AND CURB

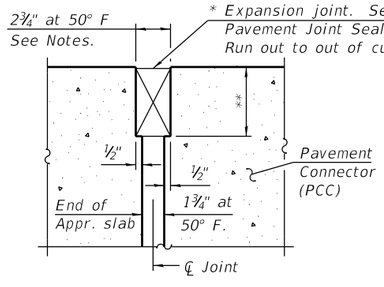


SN016-0375 WEST & SN016-1120 EAST INSIDE ELEVATION OF PARAPET



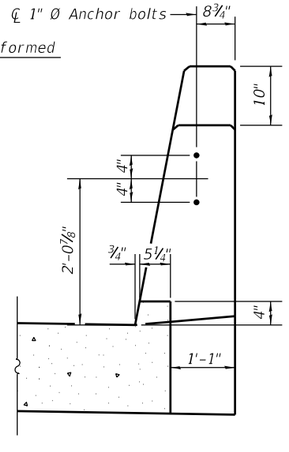
SECTION A-A

**** See sheet 18 of 46 for bar location and Bill of Materials

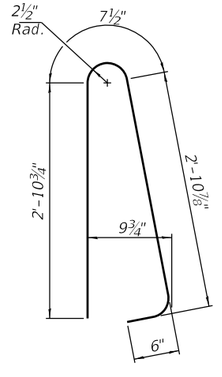


DETAIL A

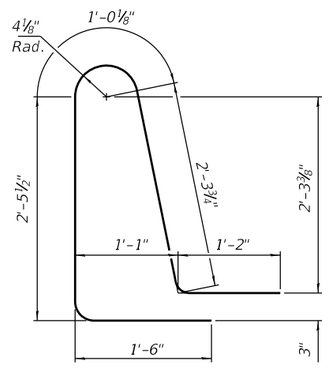
(at Rt. ∠'s)



VIEW B-B



BAR d103E), d128(E)



BAR d104(E), d129(E)

* Cost included with Concrete Superstructure (Approach Slab).

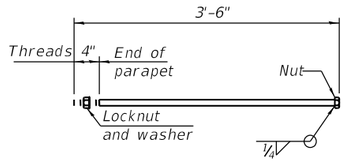
** Per manufacturer recommendations

*** After grinding

1 REVISED SHEET 10/31/2024

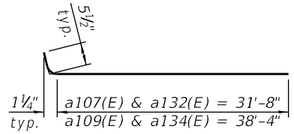
Notes:

1. The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
2. Parapet concrete shall be paid for as Concrete Superstructure.
3. Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
4. Approach footing concrete shall be paid for as Concrete Structures.
5. The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
6. Cost of excavation for approach footing included with Concrete Structures.
7. For Granular Backfill for Structures and drainage treatment details, see sheet 21 of 48.

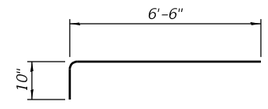


*1" Ø ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)



BAR a107(E), a109(E), a132(E), a134(E)



BAR a111(E), a136(E)

TWO APPROACHES BILL OF MATERIALS

Structure No. 016-0375 (NB)

Bar	No.	Size	Length	Shape
a107(E)	92	#5	32'-1"	
a108(E)	120	#8	31'-8"	
a109(E)	92	#5	38'-9"	
a110(E)	122	#8	38'-4"	
a111(E)	138	#5	7'-4"	
b103(E)	176	#5	29'-8"	
b104(E)	279	#9	29'-8"	
b105(E)	8	#5	14'-8"	
b106(E)	1	#4	14'-5"	
b107(E)	4	#5	29'-8"	
b108(E)	1	#4	15'-3"	
b109(E)	4	#5	28'-8"	
d103(E)	138	#5	7'-0"	
d104(E)	138	#5	8'-6"	
e105(E)	24	#4	14'-8"	
e106(E)	12	#4	29'-8"	
e107(E)	12	#4	28'-8"	
t100(E)	126	#4	11'-10"	
w100(E)	40	#5	31'-10"	
w101(E)	80	#5	39'-8"	
w102(E)	40	#5	32'-8"	
Concrete Structures			CU YD	44.6
Concrete Superstructures			CU YD	13.4
Protective Coat			SQ YD	417
Concrete Superstructure (Approach Slab)			CU YD	165.8
Reinforcement Bars, Epoxy Coated			POUND	74,360
Bridge Deck Grooving (Longitudinal)			SQ YD	363
Form Liner Textured Surface (Special)			SQ FT	105
Diamond Grinding (Bridge Section)			SQ YD	357
Colored Concrete Additive			CU YD	4.9
Bar Splicers			EACH	292
Concrete Sealant (Special)			SQ YD	9

Structure No. 016-1120 (SB)

Bar	No.	Size	Length	Shape
a132(E)	92	#5	32'-1"	
a133(E)	120	#8	31'-8"	
a134(E)	92	#5	38'-9"	
a135(E)	122	#8	38'-4"	
a136(E)	138	#5	7'-4"	
b128(E)	176	#5	29'-8"	
b129(E)	278	#9	29'-8"	
b130(E)	8	#5	14'-8"	
b131(E)	2	#4	14'-5"	
b132(E)	8	#5	29'-8"	
d128(E)	138	#5	7'-0"	
d129(E)	138	#5	8'-6"	
e130(E)	24	#4	14'-8"	
e131(E)	12	#4	28'-8"	
e132(E)	12	#4	29'-8"	
t125(E)	126	#4	11'-10"	
w125(E)	80	#5	31'-10"	
w126(E)	80	#5	39'-8"	
Concrete Structures			CU YD	44.6
Concrete Superstructures			CU YD	13.4
Protective Coat			SQ YD	417
Concrete Superstructure (Approach Slab)			CY YD	165.8
Reinforcement Bars, Epoxy Coated			POUND	74,230
Bridge Deck Grooving (Longitudinal)			SQ YD	363
Form Liner Textured Surface (Special)			SQ FT	105
Diamond Grinding (Bridge Section)			SQ YD	357
Colored Concrete Additive			CU YD	4.9
Bar Splicers			EACH	292
Concrete Sealant (Special)			SQ YD	9

1 Concrete Superstructures

1 Concrete Superstructures

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		CHECKED - KRB		REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB DETAILS
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)

SHEET 28 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	786
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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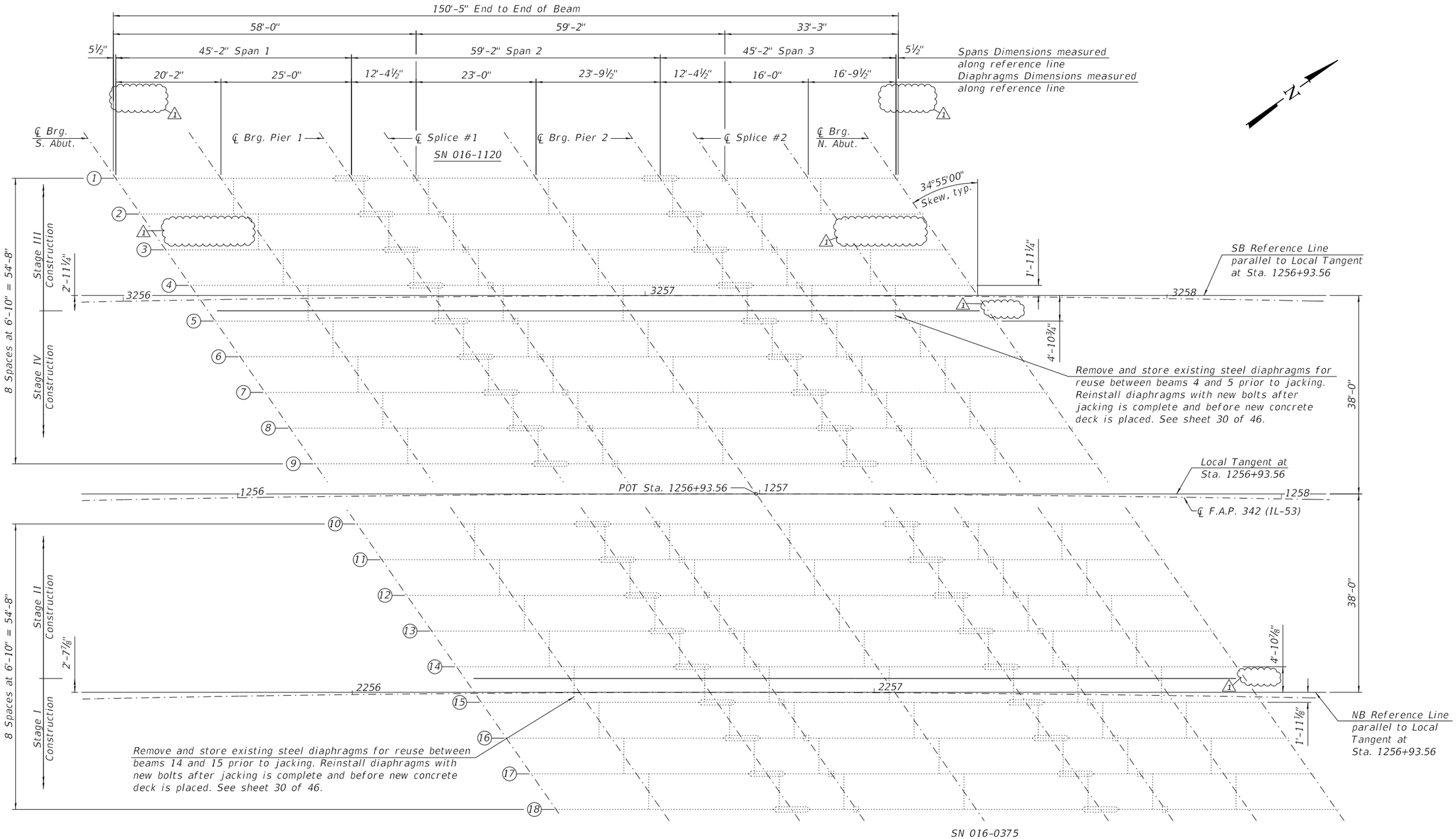

FRAMING PLAN

Notes:
1. Provide new headed studs to all existing beams. See sheet 30 of 48 for details.
2. Remove and replace all existing bearings. See details on sheet 30 of 48.

1 REVISED SHEET 10/31/2024

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PLOT SCALE = 0:2.0000 ':" / in.	DRAWN - CJH	REVISED -	
PLOT DATE = 10/25/2024	CHECKED - TJE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)
SHEET 29 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	787
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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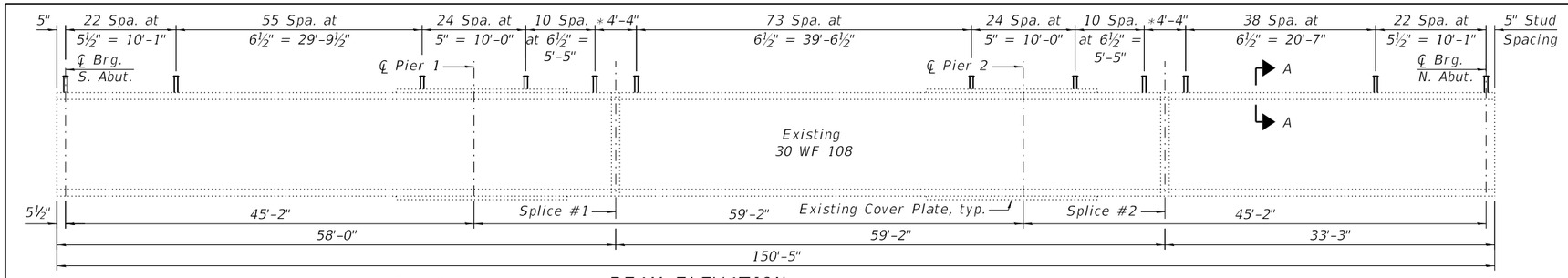
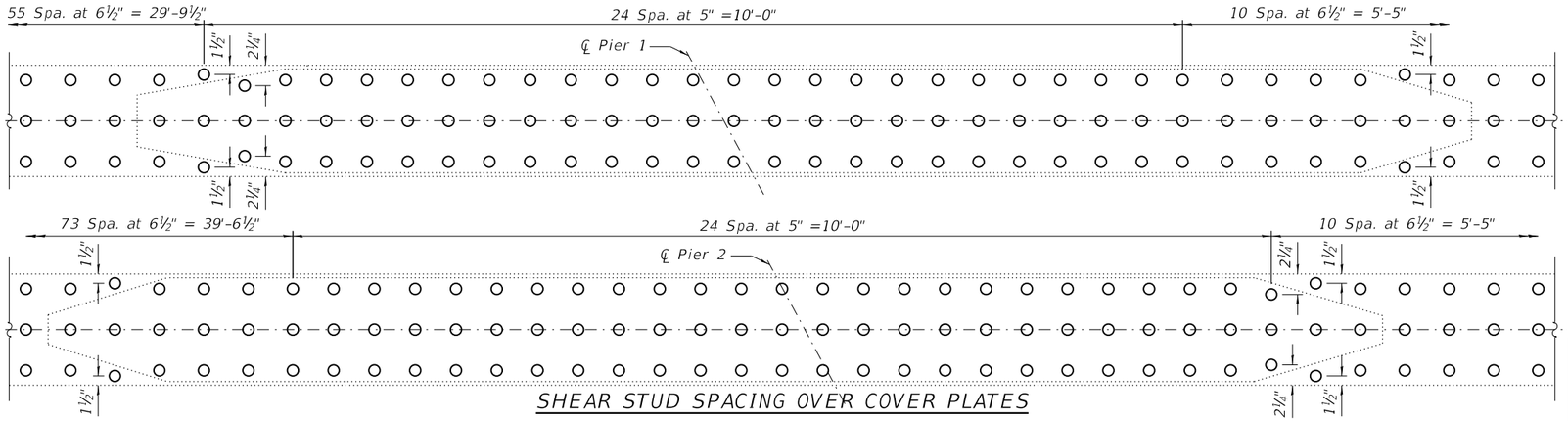
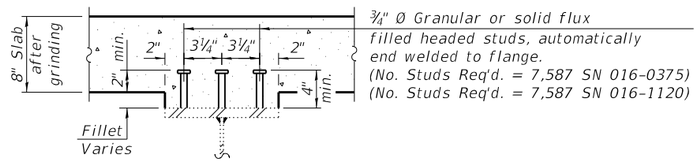


* no studs

BEAM ELEVATION

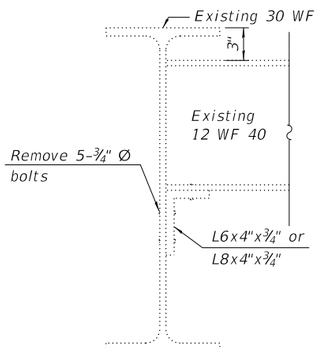


SHEAR STUD SPACING OVER COVER PLATES



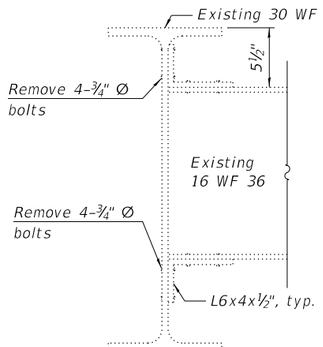
¾" Ø Granular or solid flux filled headed studs, automatically end welded to flange.
(No. Studs Req'd. = 7,587 SN 016-0375)
(No. Studs Req'd. = 7,587 SN 016-1120)

SECTION A-A

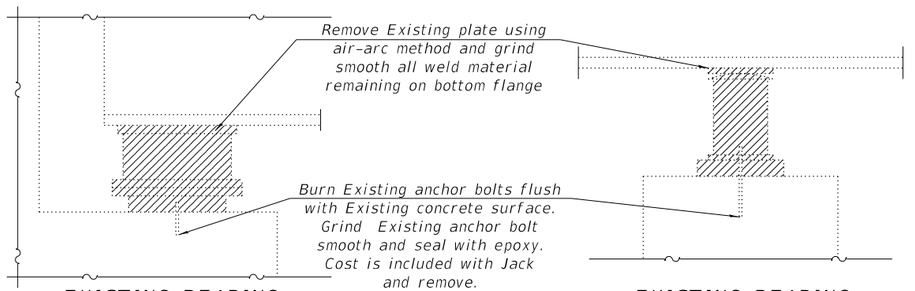


ABUTMENT DIAPHRAGM DISCONNECTION DETAIL

(Diaphragms at abutment are optional to be reinstalled)



TYPICAL DIAPHRAGM DISCONNECTION DETAIL



EXISTING BEARING REMOVAL AT ABUTMENTS

EXISTING BEARING REMOVAL AT PIERS

**JACKING LOAD

		Abutment	Pier
R_{DL}	(k)	6.2	22.4
Min. Jack Capacity	(k)	12.0	44.0

** Service reactions provided are for a single girder with the deck removed. The Contractor shall design and place Jacking & Cribbing system for the stated beam reaction and as required in the Special Provisions.

DEFINITIONS

- Is, Ss: Non-composite moment of inertia and section modulus of the steel section used for computing fs(Total and Overload) due to non-composite dead loads (in.⁴ and in.³).
- Ic(n), Sc(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs(Total and Overload) due to short-term composite live loads (in.⁴ and in.³).
- Ic(3n), Sc(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing fs(Total and Overload) due to long-term composite (superimposed) dead loads (in.⁴ and in.³).
- Ic(cr), Sc(cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing fs (Total and Overload) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).
- Z: Plastic Section Modulus of the steel section in non-composite areas (in.³).
- D_L: Un-factored non-composite dead load (kips/ft.).
- M_{D_L}: Un-factored moment due to non-composite dead load (kip-ft.).
- s_{D_L}: Un-factored long-term composite (superimposed) dead load (kips/ft.)
- $M_{s_{D_L}}$: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
- M_{L_L}: Un-factored live load moment (kip-ft.).
- MI: Un-factored moment due to impact (kip-ft.).
- Ma: Factored design moment (kip-ft.).
  $1.3\ [M_{D_L} + M_{s_{D_L}} + \frac{5}{3}(M_{L_L} + MI)]$
- Mu: Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).
- fs (Overload): Sum of stresses as computed from the moments below (ksi).
  $M_{D_L} + M_{s_{D_L}} + \frac{5}{3}(M_{L_L} + MI)$
- fs (Total): Sum of stresses as computed from the moments below on non-compact section (ksi).
  $1.3\ [M_{D_L} + M_{s_{D_L}} + \frac{5}{3}(M_{L_L} + MI)]$
- VR: Maximum L_L + impact shear range within the composite portion of the span for stud shear connector design (kips).

INTERIOR GIRDER REACTION TABLE			
		Abutment	Pier
R_{DL}	(k)	51.8	68.9
R_{LL}	(k)	38.6	42.1
R_I	(k)	11.4	12.0
R_{Total}	(k)	101.8	123.0

Interior Girder Moment Table				
		0.4 Sp. 1 0.6 SP. 3	PIER 1 PIER 2	0.5 SP. 2
I_s	(in^4)	4,470	5,816	4,470
$I_c(n)$	(in^4)	13,961	16,469	13,961
$I_c(3n)$	(in^4)	10,428	12,232	10,428
$I_c(cr)$	(in^4)	———	8,122	———
S_s	(in^3)	300	382	300
$S_c(n)$	(in^3)	477	———	477
$S_c(3n)$	(in^3)	433		433
$S_c(cr)$	(in^3)	———	444	———
Z	(in^3)	———	———	———
DL	(k/')	0.91	0.93	0.91
M_{DL}	('k)	111	253	128
S_{DL}	(k/')	0.30	0.30	0.30
MS_{DL}	('k)	39	87	45
M_{LL}	('k)	278	216	303
M_I	('k)	79	61	85
$\frac{5}{3}[M_{LL}+I]$	('k)	595	461	647
Ma	('k)	969	1,042	1,064
*** Mu	('k)	1,453	———	1,793
$f_{s\,DL}$ (non-comp)	(ksi)	4.5	8.0	5.1
$f_{s\,DL}$ (comp)	(ksi)	1.1	2.3	1.2
$f_s\ \frac{5}{3}(M_{LL} + M_I)$	(ksi)	15.0	12.5	16.3
f_s (Overload)	(ksi)	20.5	22.8	22.6
**** f_s (Total)	(ksi)	———	29.6	———
VR	(k)	34.6	54.1	39.9

*** Compact Section
**** Braced non-Compact and Partially Braced Section

Notes:
1. Jacking of existing girders and replacement of bearings shall be done after the existing deck has been removed and prior to placing the new deck.
2. The Contractor shall submit, for approval by the Engineer, plans for jacking existing beams and removing the existing bearings prior to commencing any related work. See Special Provisions.
3. Disconnect diaphragms between beams 14 and 15 NB and diaphragms between beams 4 and 5 SB.
4. Diaphragms to be reconnected before pouring concrete semi-integral diaphragm.
5. After jacking and installation of bearing extensions is complete, replace all bolts removed with new ¾" Ø High Strength Bolts. Cost of bolts included with Jack and Remove Existing Bearings.
6. For information not shown, see note 4 on sheet 2 of 48.

1 REVISED SHEET 10/31/2024

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USER NAME = codyh		DESIGNED - TJE	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GIRDER ELEVATION AND DETAILS STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)
		CHECKED - NDR	REVISED -		
PLOT SCALE = 0:2.0000 ':' / in.		DRAWN - CJH	REVISED -		SHEET 30 OF 48 SHEETS
PLOT DATE = 10/23/2024		CHECKED - TJE	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	788
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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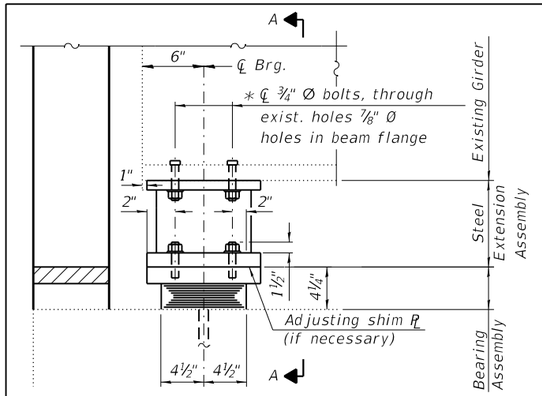

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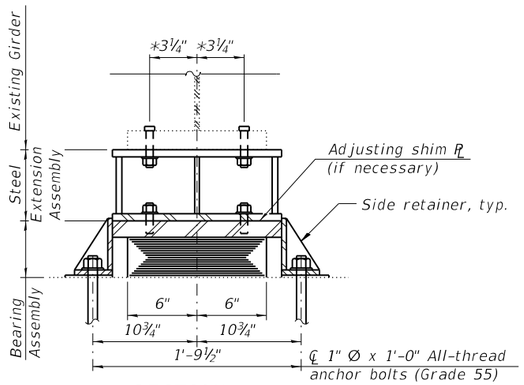
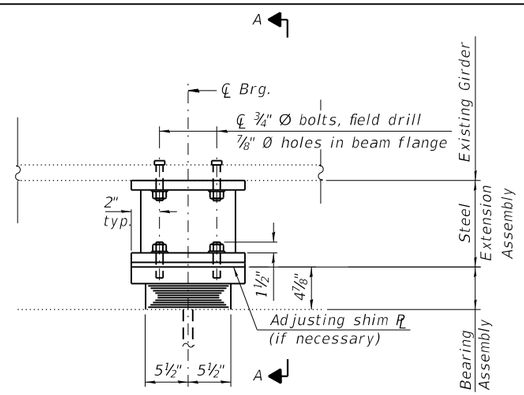


SECTION A-A

TYPE I ELASTOMERIC EXP. BRG. AT ABUTMENTS



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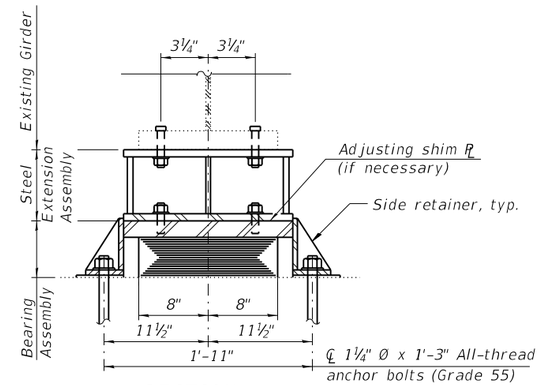
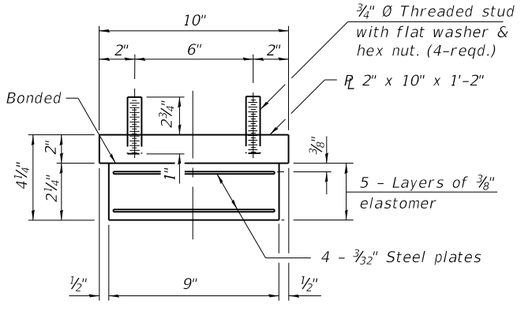
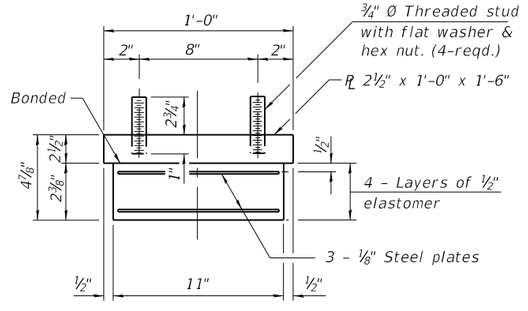


SECTION A-A

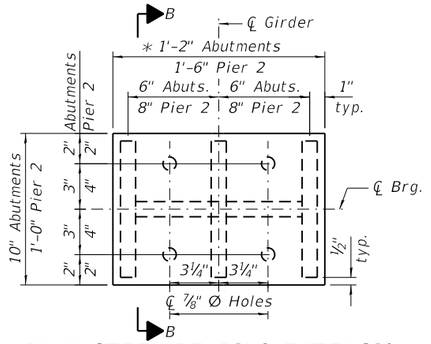
TYPE I ELASTOMERIC EXP. BRG. AT PIER 2



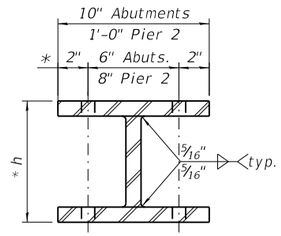
BEARING ASSEMBLY
(South and North Abutment)



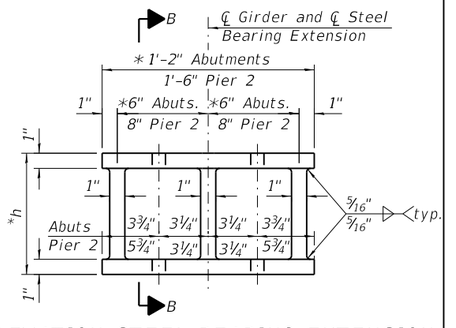
BEARING ASSEMBLY
(Pier 2)



PLAN STEEL BEARING EXTENSION

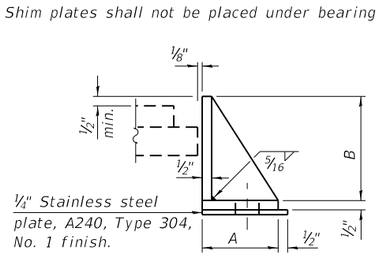


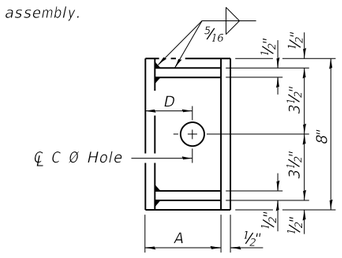
SECTION B-B



ELEVATION STEEL BEARING EXTENSION

Note:
Shim plates shall not be placed under bearing assembly.





SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

	A	B	C	D
N. Abut/S.Abut	7"	5"	1"	3 5/8"
Pier 2	6 1/4"	5 1/2"	1 1/4"	2 3/8"

STEEL EXTENSION ASSEMBLY HEIGHT, *h

S.N. 016-0375				S.N. 016-1120			
Beams	S. Abut.	Pier 2	N. Abut.	Beams	S. Abut.	Pier 2	N. Abut.
BEAM 10	10 5/16	9 3/8	10 9/16	BEAM 1	10 1/16	9 3/4	10 1/4
BEAM 11	10 3/8	9 3/4	10 9/16	BEAM 2	10	9 9/16	10 3/8
BEAM 12	10 1/4	9 5/8	9 15/16	BEAM 3	9 13/16	9 5/16	10
BEAM 13	10 5/16	9 11/16	10 3/16	BEAM 4	9 7/8	9 1/2	10 1/8
BEAM 14	10 1/4	9 7/8	10 1/2	BEAM 5	10 1/4	9 13/16	10 1/16
BEAM 15	10 1/2	9 15/16	10 9/16	BEAM 6	10 1/2	9 5/8	10 1/8
BEAM 16	10 1/4	9 3/4	10 3/8	BEAM 7	10 3/8	9 1/2	10 5/16
BEAM 17	10 3/16	9 9/16	10 1/8	BEAM 8	10 7/16	9 15/16	10 7/16
BEAM 18	10 1/8	9 5/8	10 1/16	BEAM 9	10 1/16	9 15/16	10 3/8

Note: Steel extension assembly heights are in inches.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	POUND	9,950
Elastomeric Bearing Assembly, Type I	EACH	54
Anchor Bolts, 1"	EACH	72
Anchor Bolts, 1 1/4"	EACH	36
Jack and Remove Existing Bearings	EACH	54
Cleaning Bridge Seats	SQ FT	644

Notes:
1. Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
3. Two ⅛" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
4. All bearing plates, extensions, side retainers, anchor bolts, nuts, washers, and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.
∗ 5. Prior to ordering any material, the Contractor shall field verify all steel bearing extension heights and existing drilled hole sizes at bearing locations.
6. The cost of steel extensions and all connection bolts are included with the cost of Furnishing and Erecting Structural Steel.

1 REVISED SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

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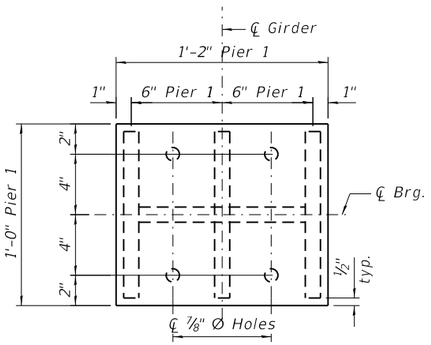
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

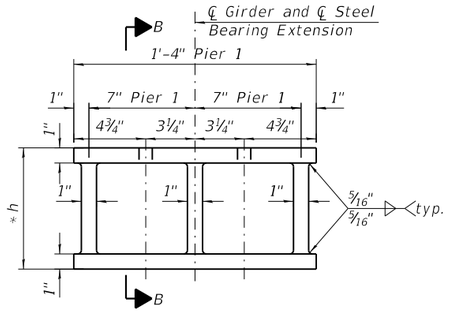
EXPANSION BEARING DETAILS
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)

SHEET 31 OF 48 SHEETS

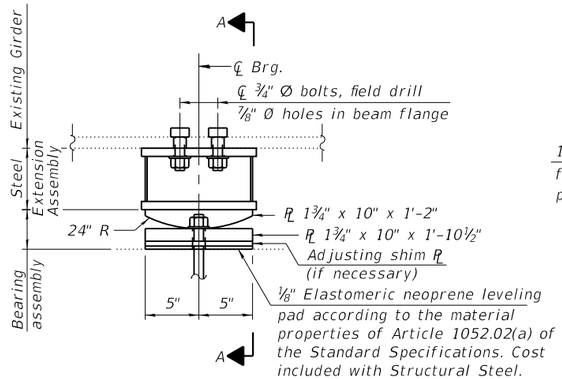
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	789
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		



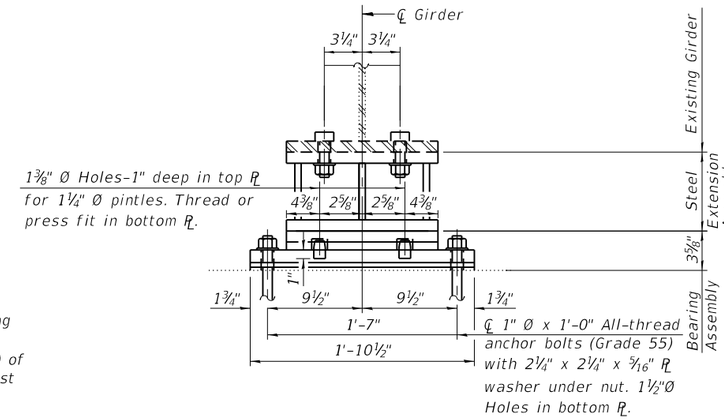
PLAN STEEL BEARING EXTENSION



ELEVATION STEEL BEARING EXTENSION

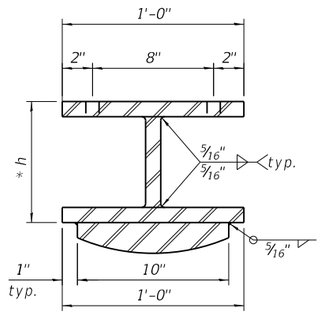


ELEVATION

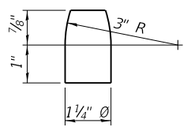


SECTION A-A

FIXED BEARING AT PIER 1



SECTION B-B



PINTLE

S.N. 016-0375

Girder No.	Bottom of Flange Elevations			
	CL Brg. S. Abut	CL Brg. Pier 1	CL Brg. Pier 2	CL Brg. N. Abut.
10	742.29	741.98	741.67	741.44
11	742.13	741.84	741.55	741.30
12	741.98	741.68	741.40	741.13
13	741.81	741.55	741.25	741.00
14	741.63	741.38	741.11	740.86
15	741.50	741.24	740.96	740.71
16	741.30	741.05	740.78	740.53
17	741.15	740.88	740.60	740.36
18	740.99	740.71	740.43	740.18

S.N. 016-1120

Girder No.	Bottom of Flange Elevations			
	CL Brg. S. Abut	CL Brg. Pier 1	CL Brg. Pier 2	CL Brg. N. Abut.
1	742.15	741.92	741.73	741.59
2	742.02	741.79	741.58	741.44
3	741.85	741.61	741.41	741.25
4	741.72	741.47	741.28	741.11
5	741.57	741.29	741.11	740.95
6	741.44	741.15	740.94	740.80
7	741.26	740.99	740.77	740.63
8	741.11	740.83	740.61	740.45
9	740.91	740.64	740.45	740.29

Bottom Flange Elevations are based on field survey. Contractor shall verify in the field

Notes:

3. Two ⅛" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details. 1
4. All bearing plates, extensions, side retainers, anchor bolts, nuts, washers, and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.
5. * Prior to ordering any material, the Contractor shall field verify all steel bearing extension heights and existing drilled hole sizes at bearing locations.
6. The cost of steel extensions and connection bolts are included with the cost of Furnishing and Erecting Structural Steel.

STEEL EXTENSION ASSEMBLY TABLE, *h

S.N. 016-0375		S.N. 016-1120	
Beams	Pier 1	Beams	Pier 1
BEAM 10	9 7/16	BEAM 1	10
BEAM 11	9 3/4	BEAM 2	9 7/8
BEAM 12	9 5/16	BEAM 3	9 9/16
BEAM 13	9 5/8	BEAM 4	9 1/2
BEAM 14	9 9/16	BEAM 5	9 5/8
BEAM 15	9 9/16	BEAM 6	9 11/16
BEAM 16	9 7/16	BEAM 7	9 5/8
BEAM 17	9 3/8	BEAM 8	9 1/2
BEAM 18	9 2/8	BEAM 9	9 1/2

Note: Steel extension assembly heights are in inches.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	POUND	7,000
Anchor Bolts, 1"	EACH	36
Jack and Remove Existing Bearings	EACH	18
Cleaning Bridge Seats	SQ FT	190

1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIXED BEARING DETAILS
STRUCTURE NO. 016-0375 (NB) AND 016-1120 (SB)

SHEET 32 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	790
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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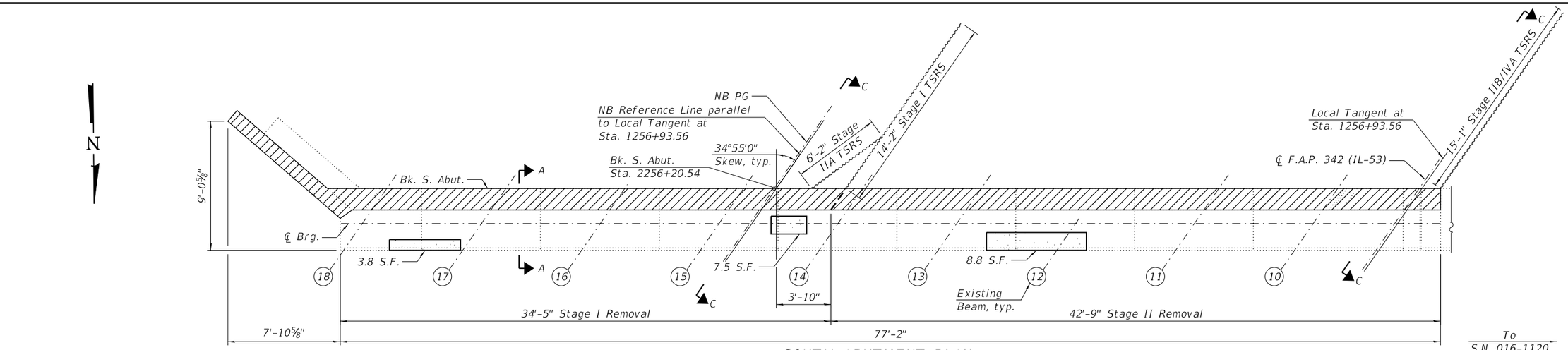
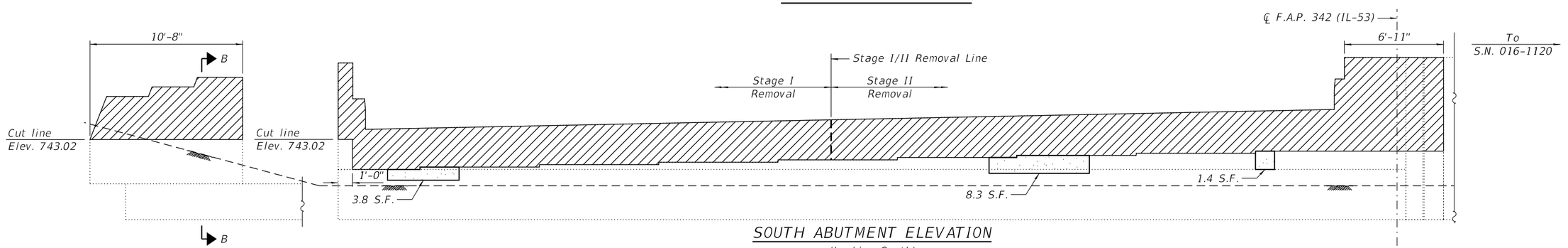


SOUTH ABUTMENT PLAN



SOUTH ABUTMENT ELEVATION

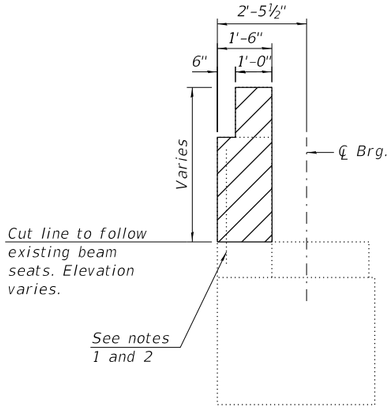
(Looking South)

LEGEND:

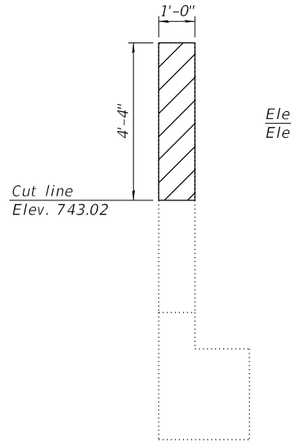
Concrete Removal

Structural Repair of Concrete
(Depth equal to or less than 5 inches)

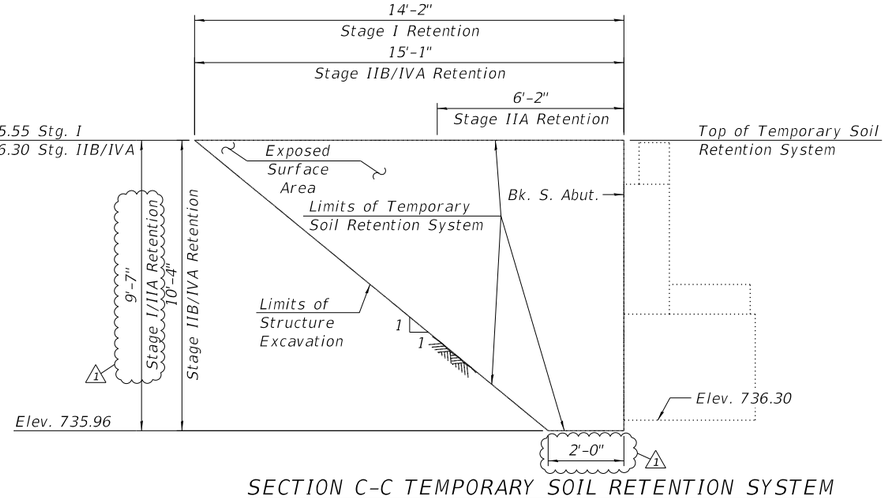
Temporary Soil Retention System



SECTION A-A



SECTION B-B



SECTION C-C TEMPORARY SOIL RETENTION SYSTEM

(Excavation slope and 2'-0" dim. at Rt. ∠'s to Bk. of Abut.) 1

BILL OF MATERIALS

Item	Unit	Total
Concrete Removal	CU YD	18.8
Temporary Soil Retention System	SQ FT	200
Structural Repair of Concrete (Depth Equal to or Less Than 5	SQ FT	34

1 REVISED SHEET 10/31/2024

Notes:

1. Existing vertical reinforcement in back wall shall be cleaned and incorporated into new construction. Cost included in the cost of "Concrete Removal".
2. Any vertical reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of "Concrete Removal".
3. The elevations and dimensions shown are calculated based off existing plans and field measurements. The Contractor shall verify in field and make necessary approved adjustments prior to removals, repairs, or ordering of materials. For additional information, see select Existing Drawings.
4. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.
5. Specified Temporary Soil Retention System will be used for 2 separate construction stages due to necessary modifications required between stages.
6. For Offset sketch, see sheet 2 of 48.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL/REPAIR ABUTMENTS (1 OF 2)
STRUCTURE NO. 016-0375 (NB)

SHEET 33 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	791
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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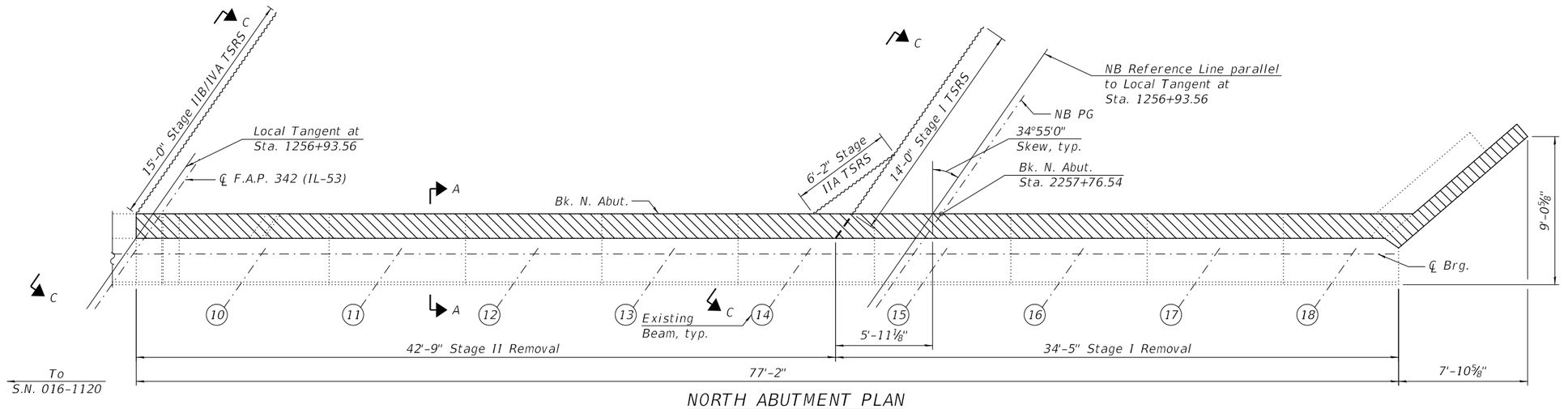
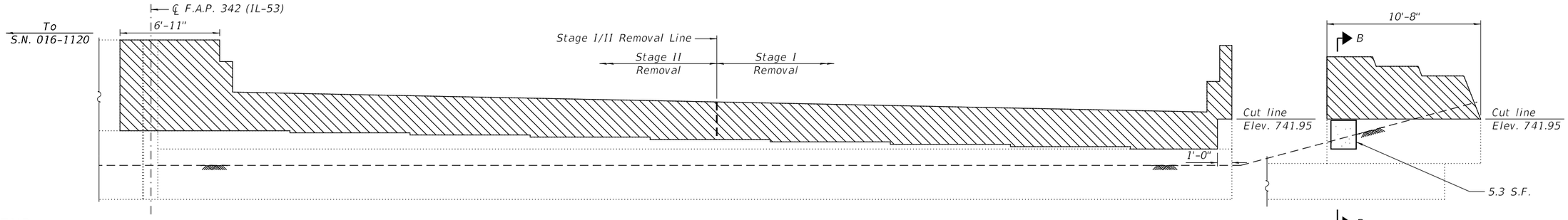


NORTH ABUTMENT PLAN

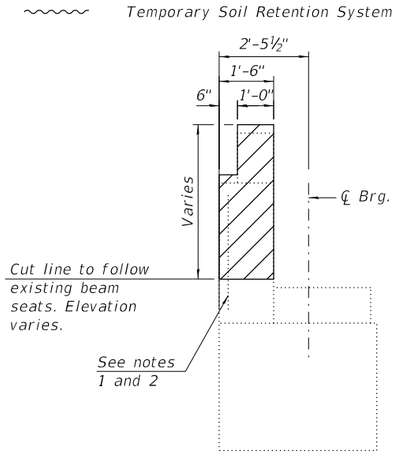


NORTH ABUTMENT ELEVATION

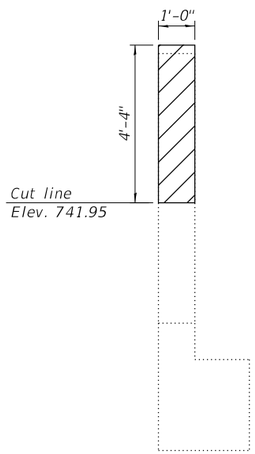
(Looking North)

LEGEND:

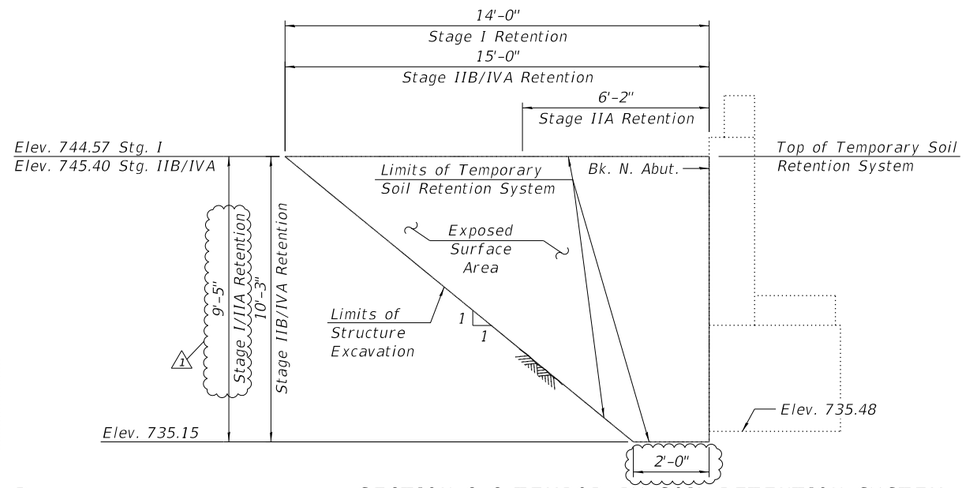
- Concrete Removal
- Structural Repair of Concrete (Depth equal to or less than 5 inches)
- Temporary Soil Retention System



SECTION A-A



SECTION B-B



SECTION C-C TEMPORARY SOIL RETENTION SYSTEM

(Excavation slope and 2'-0" dim. at Rt. ℄'s to Bk. of Abut.)

BILL OF MATERIALS

Item	Unit	Total
Concrete Removal	CU YD	18.1
Temporary Soil Retention System	SQ FT	217
Structural Repair of Concrete (Depth Equal to or Less Than 5	SQ FT	6

1 REVISED SHEET 10/31/2024

Notes:

1. Existing vertical reinforcement in back wall shall be cleaned and incorporated into new construction. Cost included in the cost of "Concrete Removal".
2. Any vertical reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of "Concrete Removal".
3. The elevations and dimensions shown are calculated based off existing plans and field measurements. The Contractor shall verify in field and make necessary approved adjustments prior to removals, repairs, or ordering of materials. For additional information, see select Existing Drawings.
4. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.
5. Specified Temporary Soil Retention System will be used for 2 separate construction stages due to necessary modifications required between stages.
6. For Offset sketch, see sheet 2 of 48.

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(815) 744-4200
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL/REPAIR ABUTMENTS (2 OF 2)
STRUCTURE NO. 016-0375 (NB)

SHEET 34 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	792
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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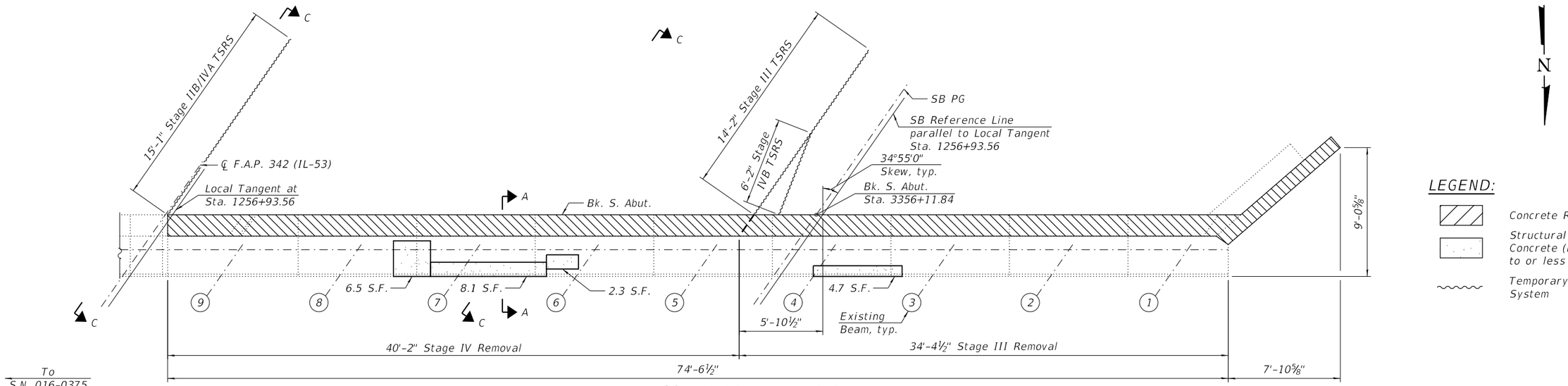
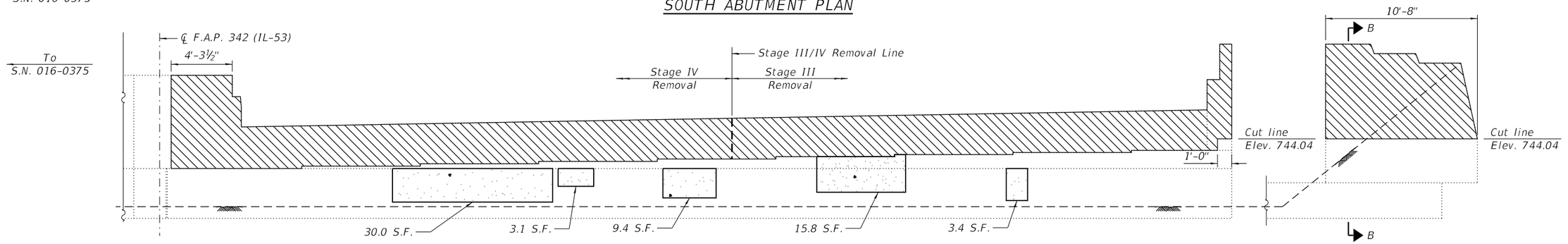
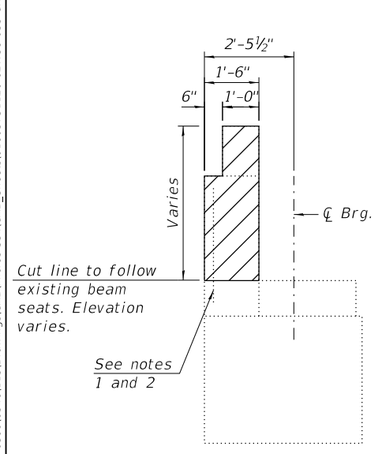


SOUTH ABUTMENT PLAN

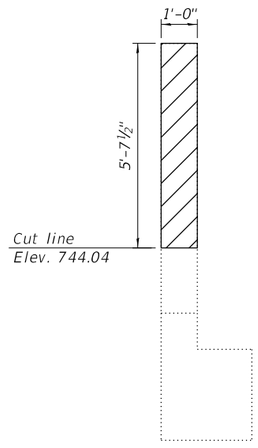


SOUTH ABUTMENT ELEVATION

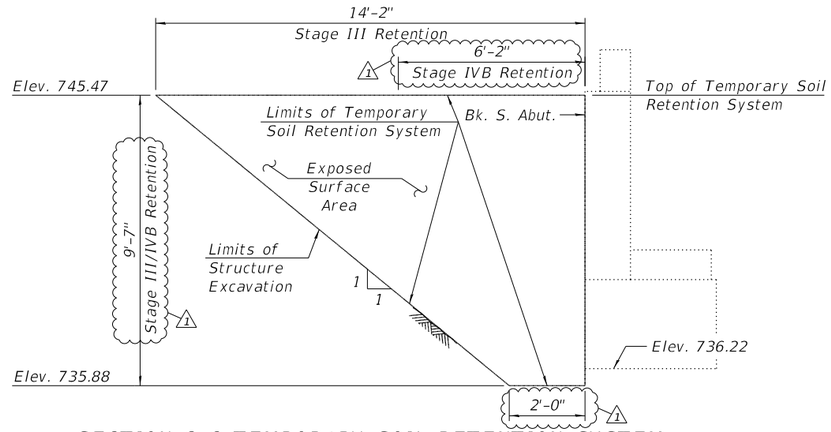
(Looking South)



SECTION A-A



SECTION B-B



SECTION C-C TEMPORARY SOIL RETENTION SYSTEM

(Excavation slope and 2'-0" dim. at Rt. ℄'s to Bk. of Abut.)

BILL OF MATERIALS

Item	Unit	Total
Concrete Removal	CU YD	25.4
Temporary Soil Retention System	SQ FT	111
Structural Repair of Concrete (Depth Equal to or Less Than 5	SQ FT	84

1 REVISED SHEET 10/31/2024

Notes:

1. Existing vertical reinforcement in back wall shall be cleaned and incorporated into new construction. Cost included in the cost of "Concrete Removal".
2. Any vertical reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of "Concrete Removal".
3. The elevations and dimensions shown are calculated based off existing plans and field measurements. The Contractor shall verify in field and make necessary approved adjustments prior to removals, repairs, or ordering of materials. For additional information, see select Existing Drawings.
4. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.
5. Specified Temporary Soil Retention System will be used for 2 separate construction stages due to necessary modifications required between stages.
6. For Offset sketch, see sheet 2 of 48.

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = codyh	DESIGNED - ELR	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE REMOVAL/REPAIR ABUTMENTS (1 OF 2) STRUCTURE NO. 016-1120 (SB)	
	CHECKED - KRB	REVISED -			
PLOT SCALE = 0:2 ':' / in.	DRAWN - CJH	REVISED -		SHEET 35 OF 48 SHEETS	
PLOT DATE = 10/25/2024	CHECKED - BRL	REVISED -			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	793
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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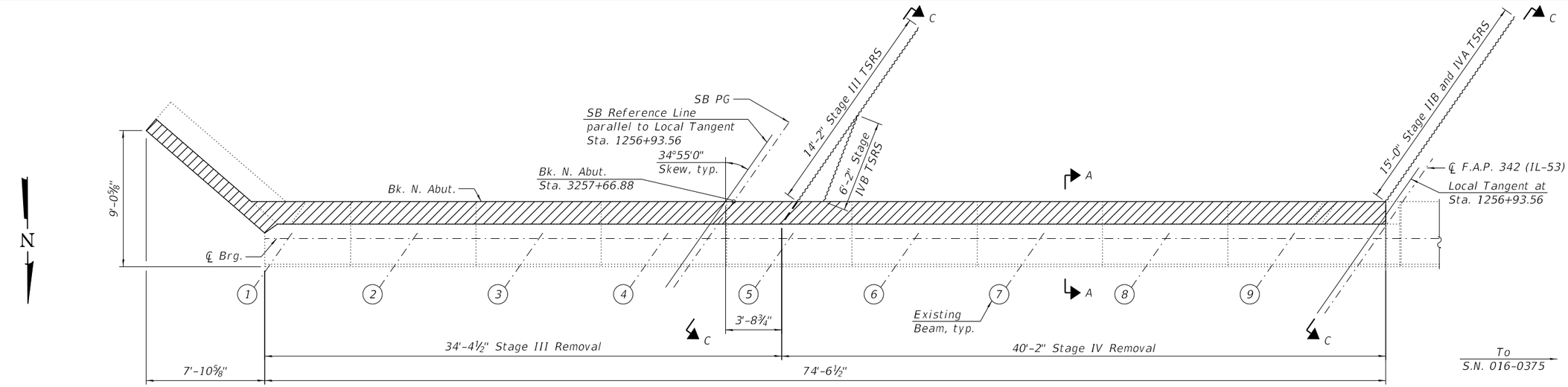
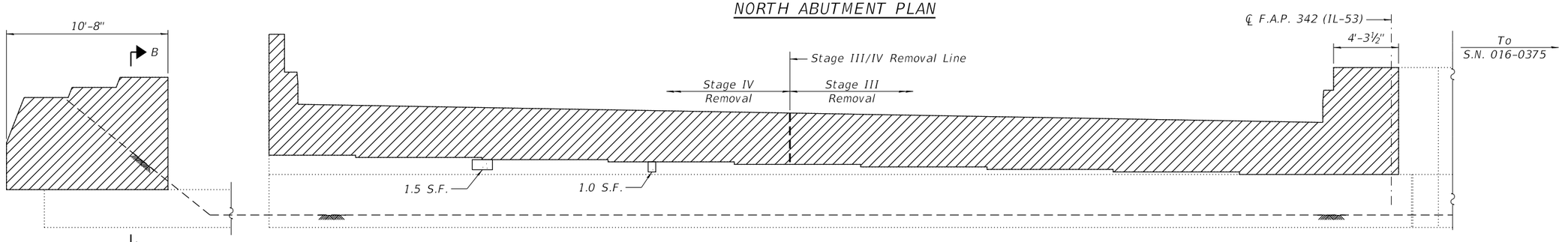


NORTH ABUTMENT PLAN

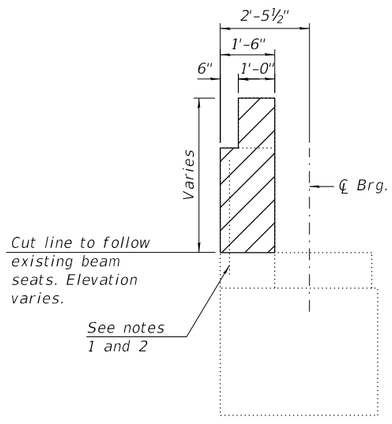


NORTH ABUTMENT ELEVATION

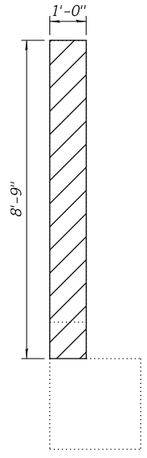
(Looking North)

LEGEND:

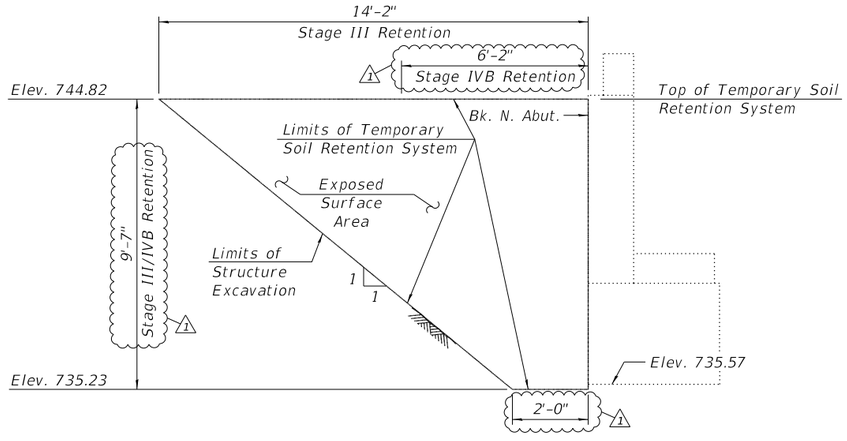
- Concrete Removal
- Structural Repair of Concrete (Depth equal to or less than 5 inches)
- Temporary Soil Retention System



SECTION A-A



SECTION B-B



SECTION C-C TEMPORARY SOIL RETENTION SYSTEM

(Excavation slope and 2'-0" dim. at Rt. L's to Bk. of Abut.) 1

BILL OF MATERIALS

Item	Unit	Total
Concrete Removal	CU YD	21.4
Temporary Soil Retention System	SQ FT	128
Structural Repair of Concrete (Depth Equal to or Less Than 5	SQ FT	3

1 REVISED SHEET 10/31/2024

Notes:

1. Existing vertical reinforcement in back wall shall be cleaned and incorporated into new construction. Cost included in the cost of "Concrete Removal".
2. Any vertical reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of "Concrete Removal".
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4. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a Temporary Soil Retention System design including plan details and calculations for review and acceptance by the Engineer.
5. Specified Temporary Soil Retention System will be used for 2 separate construction stages due to necessary modifications required between stages.
6. For Offset sketch, see sheet 2 of 48.

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
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(815) 744-4200
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USER NAME =	codyh	DESIGNED -	ELR	REVISED - 1	10/29/2024
		CHECKED -	KRB	REVISED -	
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PLOT DATE =	10/25/2024	CHECKED -	BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL/REPAIR ABUTMENTS (2 OF 2)
STRUCTURE NO. 016-1120 (SB)
SHEET 36 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	794
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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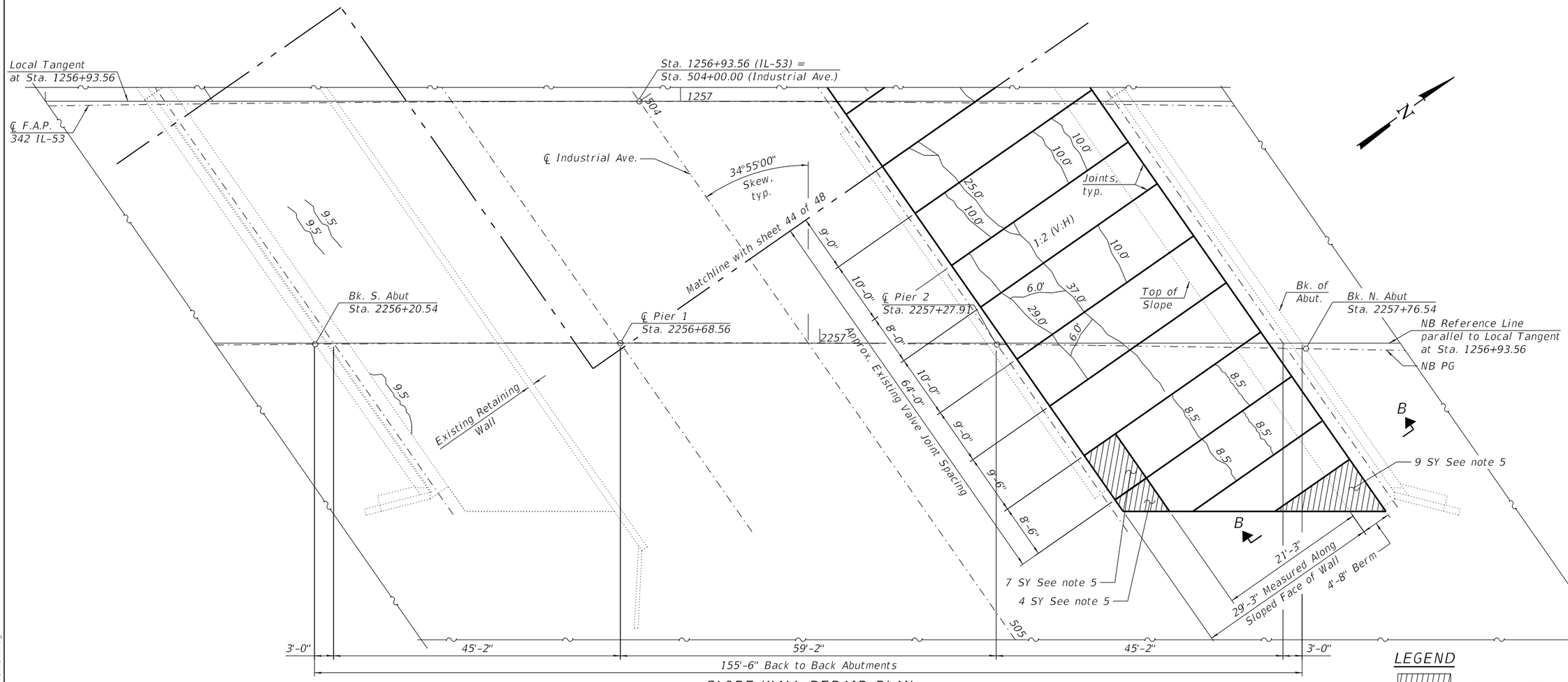
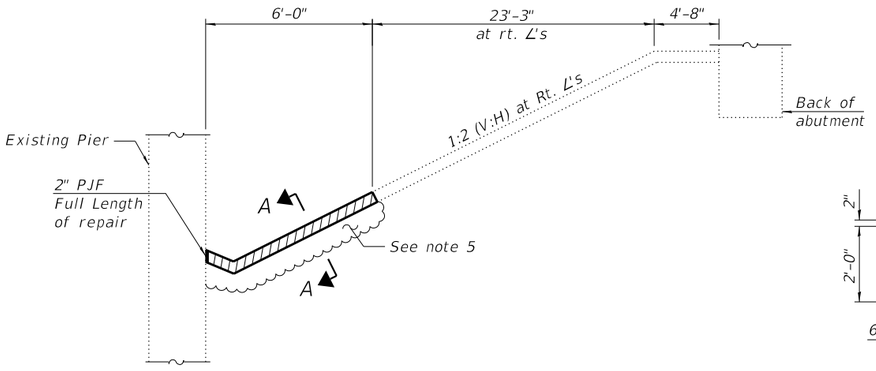
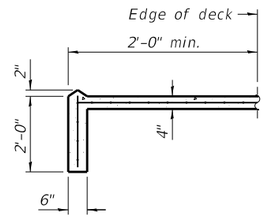


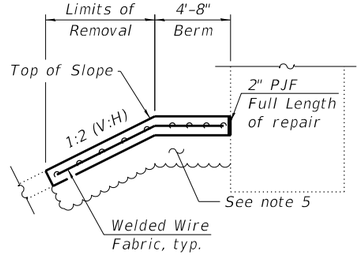
SLOPE WALL REPAIR PLAN



SECTION THRU CONCRETE SLOPEWALL 4"
(North Slope Wall)



SECTION A-A



SECTION B-B
(North Slope Wall)

LEGEND

Slope Wall Repair

Length ' Slope Wall Crack Sealing

1 REVISED ENTIRE SHEET 10/31/2024

BILL OF MATERIALS

Item	Unit	Total
Slope Wall Crack Sealing	FOOT	675
Granular Backfill for Structures	CY YD	7
Slope Wall Repair	SQ YD	20

Notes:
1. Slope wall shall be reinforced with welded wire fabric, 6in. x 6in. – W4.0 x W4.0, weighing 58lbs. per 100 sq. ft.
2. Existing welded wire fabric shall extend 6" into the area of Slope Wall Repair. The exposed 6" of welded wire fabric on either side shall be lapped with the new slope wall reinforcement.
3. Cost of welded wire fabric shall be included in the cost of Slope Wall Repair.
4. The cost of welded wire fabric shall be included in the cost of Slope Wall Repair or Slope Wall 4 Inch, per controlling detail.
5. Voids underneath areas marked for Slope Wall Repair are to be filled with Granular Backfill for Structures to a level that will allow the replacement of appropriate thickness of base material per repair specifications. For bidding purposes the volume of voids has been estimated as 7.0 CY at this location, but the actual volume of material will be determined by the Contractor after slope wall removal and approved by the Engineer.

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = codyh	DESIGNED - BRL	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SLOPE WALL REPAIR STRUCTURE NO. 016-0375 (NB)	F.A. RTE. 342
	CHECKED - KRB	REVISED -			SECTION (531) BR 23
PLOT SCALE = 0:2.0000 ':" / in.	DRAWN - CJH	REVISED -			COUNTY COOK
PLOT DATE = 10/23/2024	CHECKED - BRL	REVISED -		SHEET 43 OF 48 SHEETS	TOTAL SHEETS 1211
					SHEET NO. 801
					CONTRACT NO. 62W38
					ILLINOIS FED. AID PROJECT

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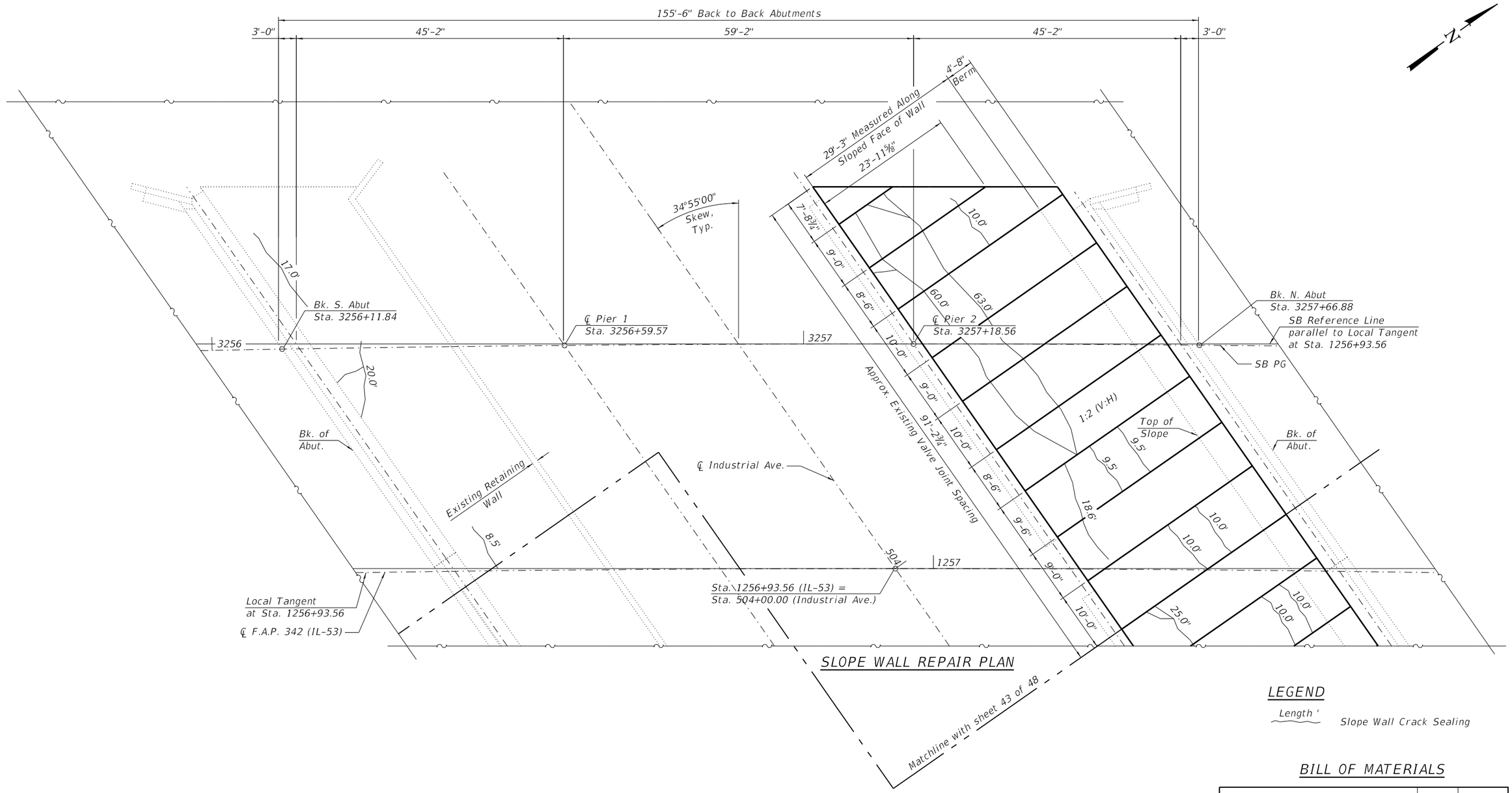

SLOPE WALL REPAIR PLAN

LEGEND

Length ' — Slope Wall Crack Sealing

BILL OF MATERIALS

Item	Unit	Total
Slope Wall Cracking Sealing	FOOT	671

Notes:

1. Slope wall shall be reinforced with welded wire fabric, 6in. x 6in. – W4.0 x W4.0, weighing 58lbs. per 100 sq. ft.
2. Existing welded wire fabric shall extend 6" into the proposed Slope Wall Repair. The exposed 6" of welded wire fabric on either side shall be lapped with the proposed slope wall reinforcement.
3. Cost of welded wire fabric shall be included in Slope Wall Repair.

1 ERVISED ENTIRE SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(615) 744-4200
IDFPR NO. 184-001273

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	CHECKED - KRB	REVISED -	
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PLOT DATE = 10/23/2024	CHECKED - BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLOPE WALL REPAIR
STRUCTURE NO. 016-1120 (SB)
SHEET 44 OF 48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	802
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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Benchmark: Cut X on the Southeast Corner of West Overhead Sign Leg for Salt Creek under US-14 Northwest Highway, Elev. 748.838.

Existing Structure: Structure No. 016-0374 (NB) and 016-1119 (SB) were built in 1964 by way of contract plans for S.B.I. Route 53 (F.A. Route 61), Section 531-2-VHB. Relocated IL Route 53 Northbound and Southbound Structures over US 14 Northwest Highway and Union Pacific Railroad (UPRR); Contract Number 23778. In 1982, plans under Section 531-2-V-HB-I-DL (83) show that the slopewalls were repaired and wingwall extensions at the south abutments were performed. The structures were then rehabilitated in 1991 under plans for Section 531(2.1,3,3.1) RS-1(89) & 1990-116BR. Repairs included deck resurfacing and repairs, replacing transverse joints, and retrofitting concrete parapet extensions. The superstructures were zone-painted in 1999. The structures had the existing rocker bearings replaced with elastomeric bearing assemblies in 2000. In 2010 under plans for Section (531-3.1, 03005-302 K) RS-5, bridge rehabilitations entailed deck and parapet repairs, substructure repairs, and replacing transverse joints at abutments and Pier 3 of both bridges. IL 53 is carried over US 14 Northwest Highway & UPRR by two seven-span, two-unit, continuous steel bridges on pile bent abutments and two-column piers. Each bridge carries 3 lanes of traffic and is located approximately 1.0 mile south of Palatine Road. Both structures have a length of 519'-2" measured back-to-back of abutments along the reference tangent of IL 53. The NB bridge has a deck that varies in width between 58'-0" and 64'-10", and the SB bridge has a deck width that varies between 65'-4¾" and 72'-5¼". The span lengths are measured along the alignment reference tangent.

Traffic is to be maintained utilizing staged construction.

Salvage: None

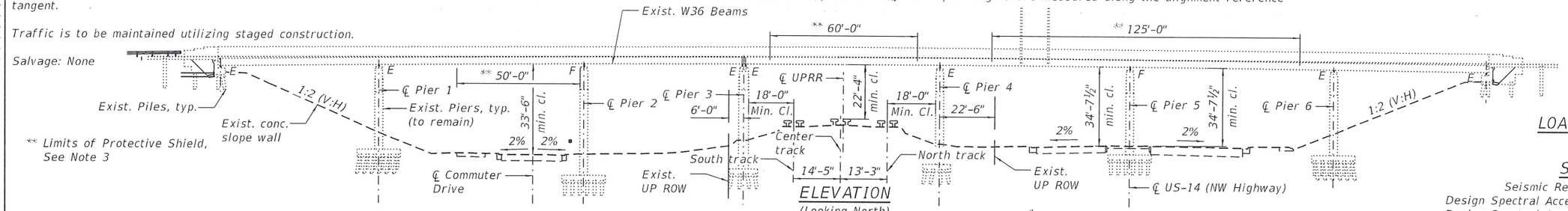
DESIGN SPECIFICATIONS

2002 AASHTO Standard Specification for Highway Bridges, 17th Edition
2006 Seismic Retrofitting Manual for Highway Structures:
Part 1 - Bridges (FHWA-HRT-06-03T)

DESIGN STRESSES

FIELD UNITS
(NEW CONSTRUCTION)
f'c = 4,000 psi (Superstructure)
f'c = 3,500 psi (Substructure)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

FIELD UNITS
(EXISTING CONSTRUCTION)
fc = 1,400 psi (Substructure)
fs = 20,000 psi (Reinforcement)
fs = 20,000 psi (Structural Steel)

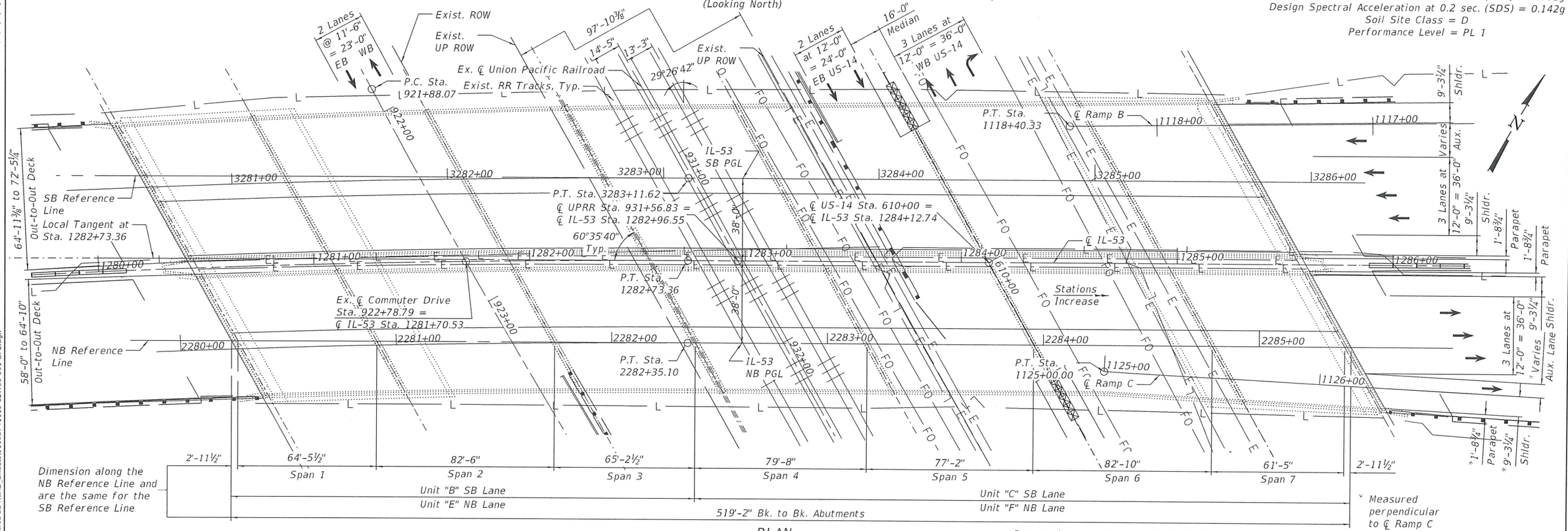


ELEVATION
(Looking North)

LOADING HS20-44

SEISMIC DATA

Seismic Retrofit Category (SRC) = A
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.082g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.142g
Soil Site Class = D
Performance Level = PL 1



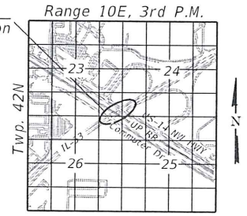
PLAN

Notes:
1. All transverse dimensions are measured radially to ℄ IL-53 and all longitudinal dimensions are measured along the Reference Tangent, unless noted otherwise.
2. Areas of the existing bridge have permanent protective shield in place. If any part of the existing permanent protective shield is to be reused as temporary protective shield, the Contractor shall inspect the existing protective shield. The existing system may be adequate or may need to be modified, supplemented, or replaced. The Contractor shall submit design calculations to the Engineer proving the system meets the requirements of Art. 501.03 of the Std. Specs. The calculations shall be prepared and sealed by an Illinois Licensed Structural Engineer

NATHAN D RICK
081-005819
LICENSED STRUCTURAL ENGINEER
OF
ILLINOIS

Nathan D. Rick, S.E.
Licensed Structural Engineer
State of Illinois No. 081-007039
Registration Expires 11/30/2024
DATE 10/29/2024

Proposed Rehabilitation



LOCATION SKETCH

1 REV 10/29/24

1 ADDED ENTIRE SHEET 10/31/2024

GENERAL PLAN AND ELEVATION
F.A.P. 342 (IL-53) OVER US 14 & U.P.R.R.
SECTION (531-2-VHB) BR 24
COOK COUNTY
STA. 1284+12.74
STRUCTURE NO. 016-0374 (NB)
STRUCTURE NO. 016-1119 (SB)

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = emilyre		DESIGNED - TJE		REVISED -	
		CHECKED - NDR		REVISED -	
PLOT SCALE = 46.000 ' / in.		DRAWN - CJH		REVISED -	
PLOT DATE = 10/29/2024		CHECKED - TJE		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-0374 AND 016-1119
SHEET 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	813A
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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GENERAL NOTES

1. Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

INDEX OF SHEETS

1	General Plan and Elevation
2	Bill of Materials and Index
3	General Notes and Important Links
4-6	Construction Staging
7	Temporary Concrete Barrier
8-9	Deck Plan Repair

BILL OF MATERIALS

Item	Unit	Super	Sub	Total
PROTECTIVE SHIELD	SQ YD	2,456		2,456
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2		2
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	249		249
DECK SLAB REPAIR (PARTIAL)	SQ YD	451		451
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	2,336		2,336

UNION PACIFIC RAILROAD GENERAL NOTES

1. Within these notes, the Union Pacific Railroad shall be referred to as the "Railroad".
2. A contractor's right-of-entry permit is required before any work can commence on Railroad property. The cost to obtain this permit shall be considered incidental to the project.
3. No disruptions of Railroad operations will be permitted.
4. All work within 25 feet of the nearest track will require a Railroad flagman. To schedule a flagman for work on a commuter line, call Candice Miller at (312) 496-4738, a minimum 72 hours in advance of start of work. To schedule a flagman for work on freight lines, call Daryl Clark at (708) 649-5273, a minimum of 72 hours in advance of start of work.
5. Work windows within the 25 foot zone are only available from 9:00 AM – 3:00 PM, Monday through Friday. Night work windows are available from 8:00 PM – 4:00 AM. Please provide at least 72 hours of additional notice when requesting to work at night to ensure appropriate flagging coverage. Extended work windows MAY be available on the weekends. Not withstanding the forgoing, due to interstate freight train and commuter passenger train operations and schedules all work windows within the times listed above are subject to on site unilateral adjustment or denial from the railroad's local field manager and/or corridor manager. This may result in denial or adjustment of access for any and all contractors, subcontractors and material men during work windows.
6. No un-used work equipment will be allowed to remain on the Railroad's commuter platform if present.
7. Erection over the Railroad's right-of-way shall be designed to cause no interruptions to Railroad's operations. Erection over the Railroad's track shall be developed such that it enables the track(s) to remain open to train traffic per Railroad's requirements.
8. Minimum Construction Clearance Envelope of 21 feet vertical above the plan of top-of-rail and 12 feet horizontal at right angle from centerline of track shall be maintained at all time during construction.
9. Falsework clearance shall comply with the Railroad's Minimum Construction Clearance Envelope.
10. For Railroad coordination please refer to the Railroad Minimum Requirements as part of special provisions.
11. The contractor must submit a proposed method of erosion and settlement control and have the method approved by the Railroad.
12. The proposed grade separation project shall not change the quantity and/or characteristics of the flow in the Railroad ditches and/or drainage structures.
13. The elevation of the existing top-of-rail profile shall be verified before beginning construction. All discrepancies shall be brought to the attention of the Railroad prior to construction.

UP's RIGHT OF ENTRY INSTRUCTIONS TO THE CONTRACTOR

Before Union Pacific Railroad Company can permit you to perform work on its property for the Purpose, it will be necessary for you to complete and execute two originals of the enclosed Contractor's Right of Entry Agreement.
Please include a check made payable to the Union Pacific Railroad Company in the amount of $1000.00 for the non-refundable fee. If you require formal billing, you may consider this letter as a formal bill. In compliance with the Internal Revenue Services' new policy regarding their Form 1099, I certify that 94-6001323 is the Railroad Company's correct Federal Taxpayer Identification Number and that Union Pacific Railroad Company is doing business as a corporation.

Under Exhibit C of the enclosed Contractor's Right of Entry Agreement, you are required to procure Railroad Protective Liability Insurance (RPLI) for the duration of this project. Railroad Protective Liability Insurance (RPLI) may be obtained from any insurance company which offers such coverage. Union Pacific has also worked with a national broker, Marsh USA, to make available RPLI to you or your contractor. You can find additional information, premium quotes, and application forms at: www.uprr.marsh.com.

This agreement will not be accepted by the Railroad Company until you have returned all of the following to the undersigned at Union Pacific Railroad Company:

1. Executed, unaltered duplicate original counterparts of the Contractor's Right of Entry Agreement;
2. Your check in the amount of $1000.00 to pay the non-refundable fee. (The Folder Number should be written on the check to insure proper credit). If you require formal billing, you may consider this letter as a formal bill;
3. Copies of all of your up-to-date General Liability, Auto Liability & Workman's Compensation Insurance Certificates (yours and all contractors'), naming Union Pacific Railroad Company as additional insured;
4. Copy of your up-to-date Railroad Protective Liability Insurance Certificate (yours and all contractors'), naming Union Pacific Railroad Company as the primary insured.

RETURN ALL OF THESE REQUIRED ITEMS TOGETHER IN ONE ENVELOPE.
DO NOT MAIL ANY ITEM SEPARATELY.

UP's IMPORTANT LINKS

1 ADDED ENTIRE SHEET 10/31/2024

Link to NEW UPRR Public Projects Manual:	https://www.up.com/cs/groups/public/@uprr/corprel/documents/up_pdf_nativedocs/pdf_up_public_projects_manual.pdf
(Start ALL new projects & Crossing Maintenance here) Public Projects Contact Portal:	https://benesch.quickbase.com/db/bpqhu6hqy?a=dbpage&pageid=13
Public Project Information:	http://www.up.com/real_estate/roadxing/industry/index.htm
Contractor Safety Requirements:	http://www.up.com/suppliers/contractor-safety/index.htm
Real Estate/Utility Information:	http://www.up.com/real_estate/utilities/index.htm
Right of Entry Application:	http://www.up.com/real_estate/tempuse/index.htm
Technical Specifications for Construction of Industrial Tracks:	http://www.uprr.com/aboutup/operations/specs/track/index.shtml
Public Safety Information:	http://www.upcares.com

1 REV 10/29/24

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = emilyre		DESIGNED - TJE		REVISED -	
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PLOT SCALE = 10:0.0000 ":" / in.		DRAWN - CJH		REVISED -	
PLOT DATE = 10/29/2024		CHECKED - TJE		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND IMPORTANT LINKS
STRUCTURE NO. 016-0374 AND 016-1119
SHEET 2 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	813B
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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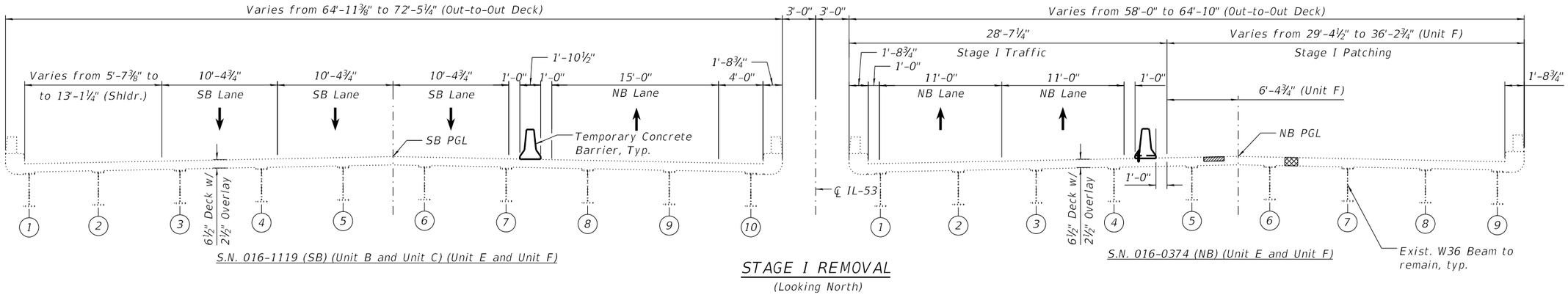
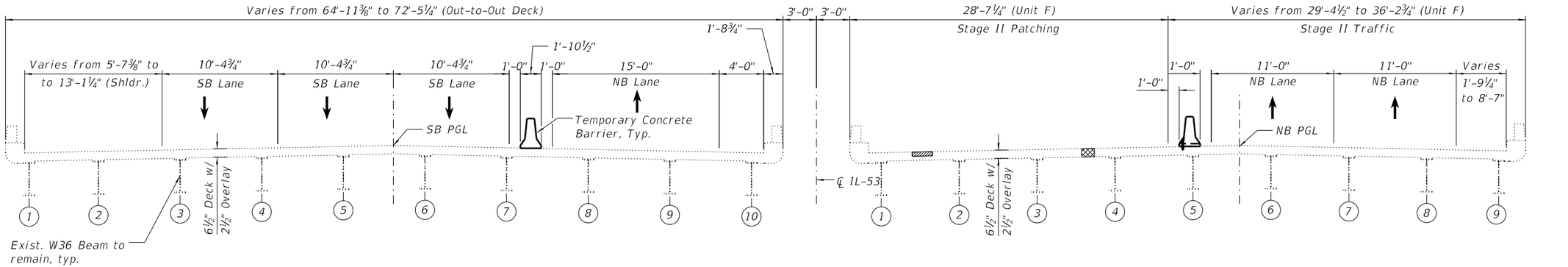


S.N. 016-1119 (SB) (Unit B and Unit C) (Unit E and Unit F)

S.N. 016-0374 (NB) (Unit E and Unit F)

STAGE I REMOVAL

(Looking North)

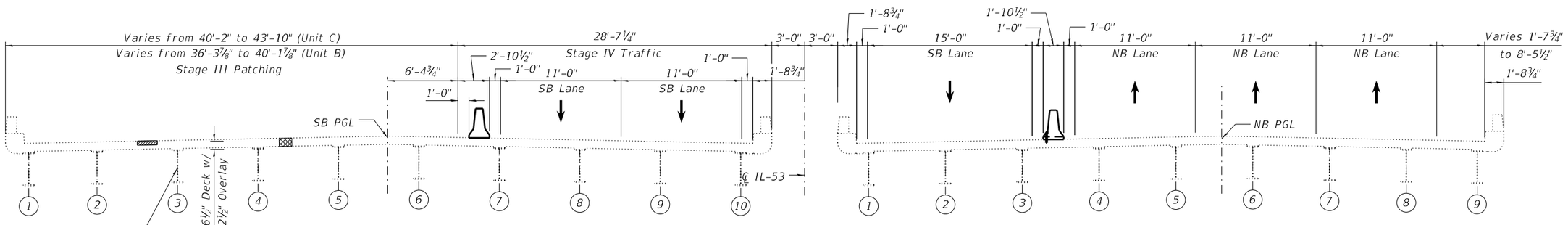


S.N. 016-1119 (SB) (Unit B and Unit C)

S.N. 016-0374 (NB) (Unit E and Unit F)

STAGE II REMOVAL

(Looking North)



S.N. 016-1119 (SB) (Unit B and Unit C)

S.N. 016-0374 (NB) (Unit E and Unit F)

STAGE III REMOVAL

(Looking North)

LEGEND

Partial Repair

Full Deck Repair

1 ADDED ENTIRE SHEET 10/31/2024

1 REV 10/29/24

Notes:
1. All dimensions are radial unless noted otherwise.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION STAGING (1 OF 3)
STRUCTURE NO. 016-0374 AND 016-1119

SHEET 3 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	813C
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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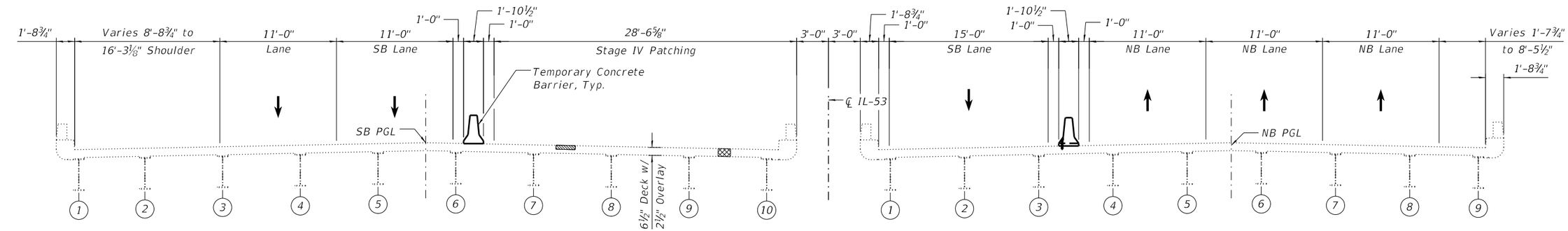
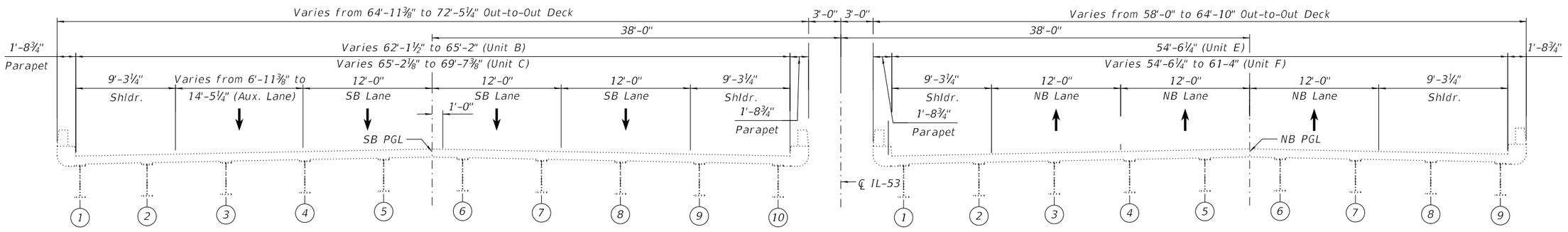


S.N. 016-1119 (SB) (Unit B and Unit C)
(Unit C Shown)

STAGE IV REMOVAL
(Looking North)

S.N. 016-0374 (NB) (Unit E and Unit F)
(Unit F Shown)



S.N. 016-1119 (SB) (Unit B and Unit C)
(Unit C Shown)

FINAL CROSS SECTION
(Looking North)

S.N. 016-0374 (NB) (Unit E and Unit F)
(Unit F Shown)

LEGEND

Partial Repair

Full Deck Repair

Notes:
1. All dimensions are radial unless noted otherwise.

1 REV 10/29/24

1 ADDED ENTIRE SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION STAGING (2 OF 3)
STRUCTURE NO. 016-0374 AND 016-1119
SHEET 4 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	813D
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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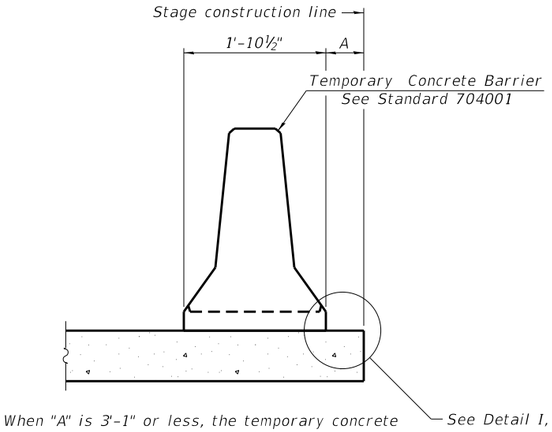
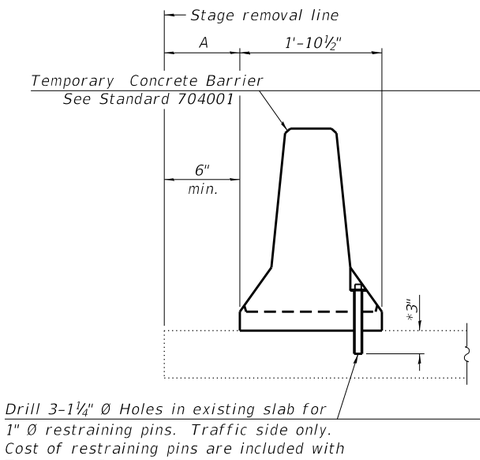


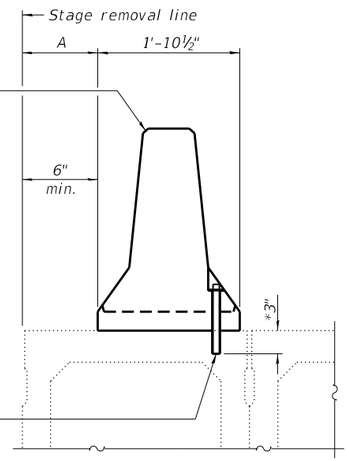
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



Drill 3-1¼" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

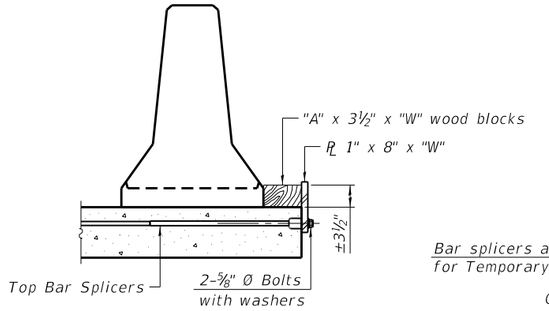
EXISTING SLAB



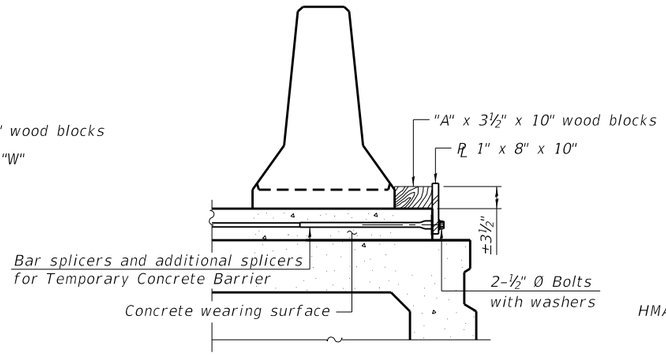
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

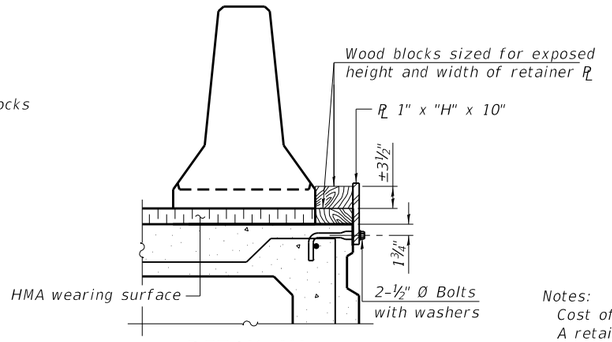
SECTIONS THRU SLAB OR DECK BEAM



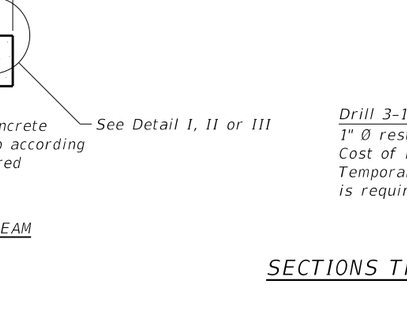
DETAIL I



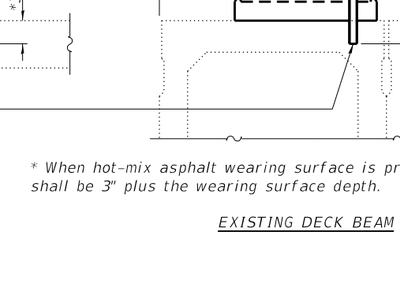
DETAIL II



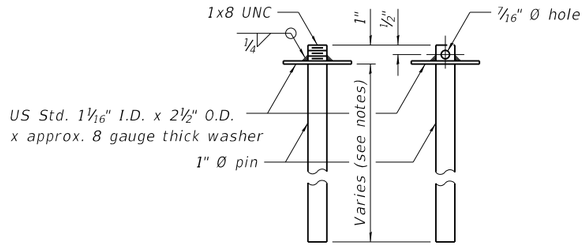
DETAIL III



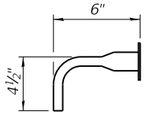
STEEL RETAINER PL 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER PL 1" x "H" x 10"
(Detail III)



RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1½", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27

5-15-2023

1 REV 10/29/24

1 ADDED ENTIRE SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 016-0374 AND 016-1119

SHEET 5 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	813E
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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LEGEND

- Full depth repair, Type I (SQ FT)
- Full depth repair, Type II (SQ FT)
- Partial depth repair (SQ FT)
- Previous patching (SQ FT)
- Concrete Crack

BRIDGE 016-0374 (IL 53 NB)

Total Bridge Deck Area = 28,697 SQ FT
Full Depth Repair, Type I Area = 50 SQ FT
Full Depth Repair, Type II Area = 2052 SQ FT
Partial Depth Repair Area = 5,010 SQ FT
Total Repair Area = 7,113 SQ FT
% of Deck Repair, Full Depth, Type I = 0.2%
% of Deck Repair, Full Depth, Type II = 7%
% of Deck Repair, Any = 25%

Previously Patched Area = 626 SQ FT
% of Total Repair and Patched Area = 27%

BRIDGE 016-1119 (IL 53 SB)

Total Bridge Deck Area = 33,479 SQ FT
Full Depth Repair, Type II Area = 4,662 SQ FT
Partial Depth Repair Area = 7,153 SQ FT
Total Repair Area = 11,815 SQ FT
% of Deck Repair, Full Depth, Type II = 14%
% of Deck Repair, Any = 35%

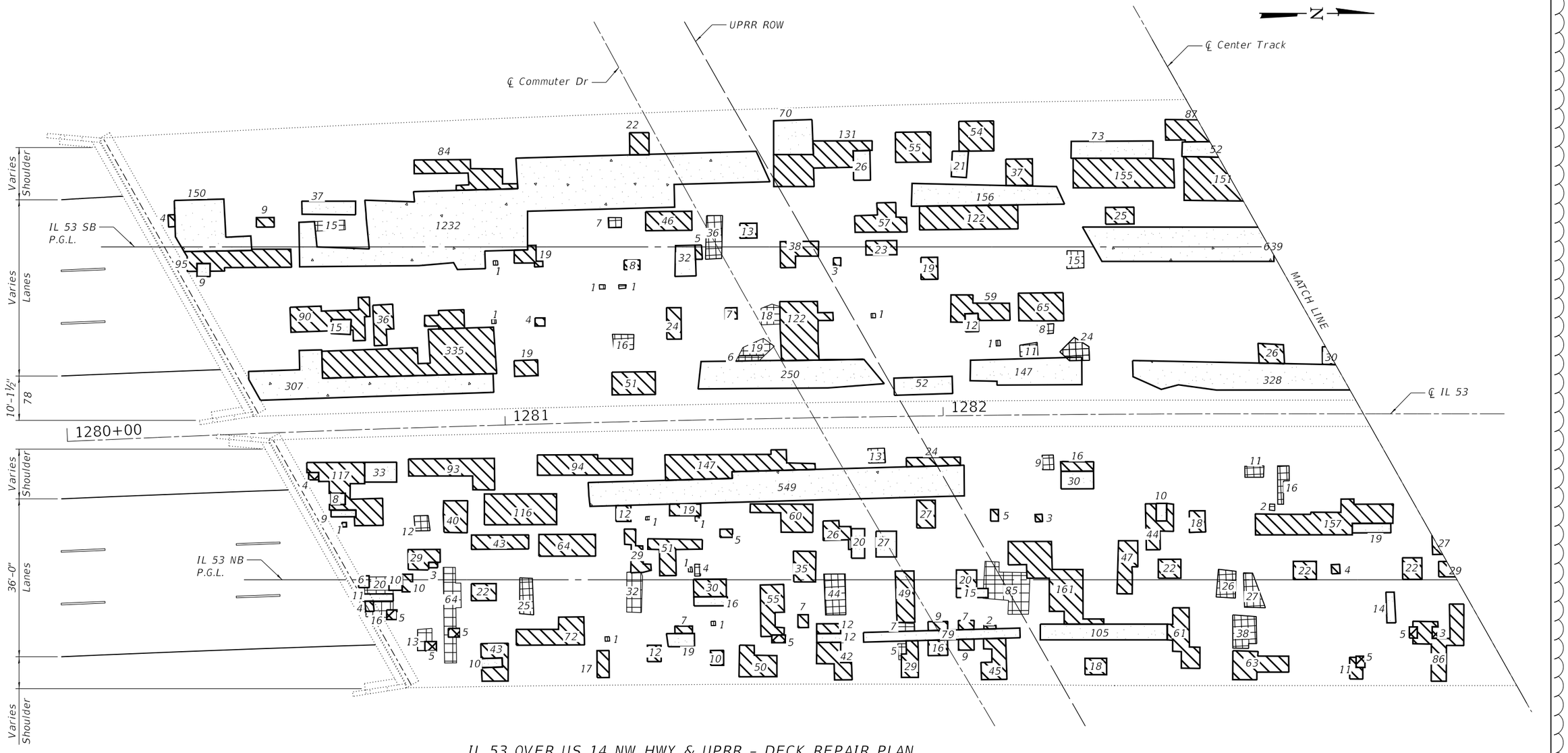
Previously Patched Area = 401 SQ FT
% of Total Repair and Patched Area = 36%

BRIDGE 016-0374 (IL 53 NB)

Full Depth Repair, Type I Area in UPRR ROW = 17 SQ FT
Full Depth Repair, Type II Area in UPRR ROW = 272 SQ FT
Partial Depth Repair Area in UPRR ROW = 1,540 SQ FT
Total Repair Area in UPRR ROW = 1,829 SQ FT

BRIDGE 016-1119 (IL 53 SB)

Full Depth Repair, Type II Area in UPRR ROW = 1,565 SQ FT
Partial Depth Repair Area in UPRR ROW = 2,120 SQ FT
Total Repair Area in UPRR ROW = 3,685 SQ FT



IL 53 OVER US 14 NW HWY & UPRR - DECK REPAIR PLAN

Note:
Numbers on plan indicate area in square feet of adjacent shape

1 REV 10/29/24

ADDED ENTIRE SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN REPAIR (1 OF 2)
STRUCTURE NO. 016-0374 AND 016-1119
SHEET 6 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	813F
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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LEGEND

- Full depth repair, Type I (SQ FT)
- Full depth repair, Type II (SQ FT)
- Partial depth repair (SQ FT)
- Previous patching (SQ FT)
- Concrete Crack

BRIDGE 016-0374 (IL 53 NB)

Total Bridge Deck Area = 28,697 SQ FT
Full Depth Repair, Type I Area = 50 SQ FT
Full Depth Repair, Type II Area = 2052 SQ FT
Partial Depth Repair Area = 5,010 SQ FT
Total Repair Area = 7,113 SQ FT
% of Deck Repair, Full Depth, Type I = 0.2%
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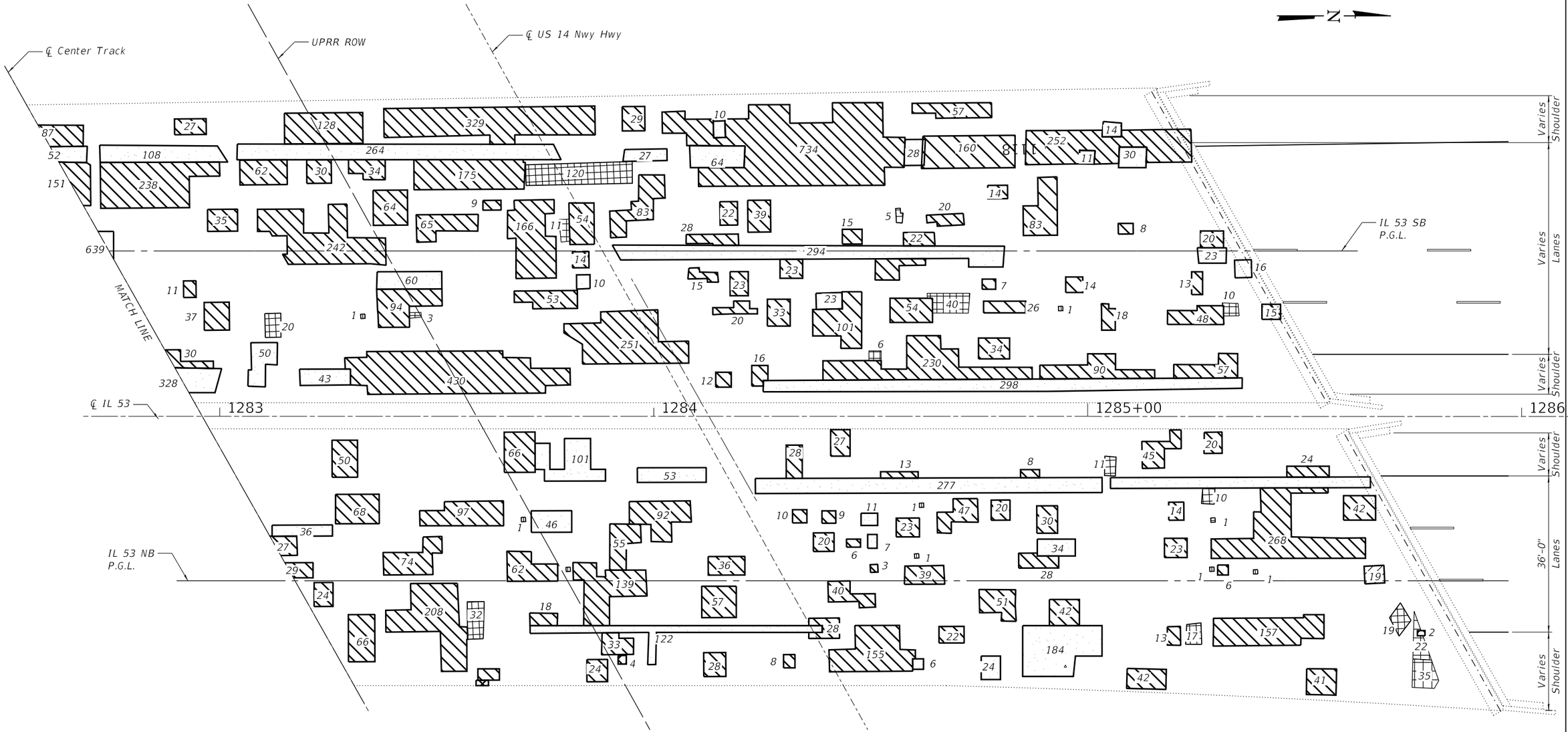

IL 53 OVER US 14 NW HWY & UPRR - DECK REPAIR PLAN

Note:
Numbers on plan indicate area in square feet of adjacent shape

1 REV 10/29/24

1 ADDED ENTIRE SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN REPAIR (2 OF 2)
STRUCTURE NO. 016-0374 AND 016-1119
SHEET 7 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	813G
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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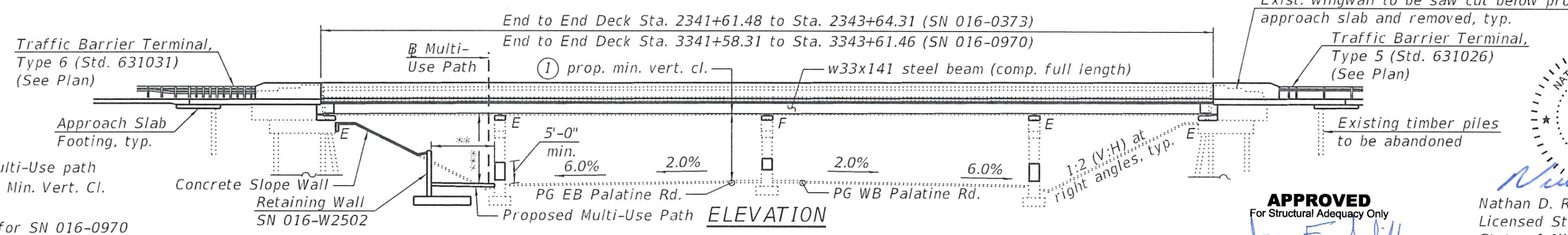
Benchmark: BM 17 - Cut cross on the southwest corner of concrete foundation. Sta. 1345+43.01, 83.81' Right, Elev. 751.399.

Existing Structures: Structure Numbers 016-0373 (NB) and 016-0970 (SB) were originally built in 1964 as FA Route 61 under Section 531-3HB. In 1971, the deck was patched and a bituminous overlay was applied. In 1991, the joints and parapets were reconstructed, along with deck patching and overlay replacement. In 2000, the abutment bearings were replaced. In 2010, the joints were replaced and repairs were made to the deck and parapets. The existing structures consist of four span continuous non-composite steel beam superstructures supported on multi-column piers and stub abutments. Welded cover plates are present on the beams. Along the local tangent, the bridge measures 205'-0" back to back abutments with a 13°24'15" right forward skew. Measured radially, the out to out deck width varies 69'-3¾" to 72'-11⅞" (SB) and 70'-0¼" to 75'-0⅜" (NB).

Traffic Control: Traffic is to be maintained utilizing staged construction.

No Salvage.

Notes:
1. Up to ¼" to be ground off the bridge deck and the bridge approach slabs.
2. All structural steel shall be galvanized.
3. All transverse dimensions are radial and all longitudinal dimensions are measured along the local tangent, unless noted otherwise.
4. Existing Name Plates shall be cleaned and relocated next to the new Name Plates. Cost included with Name Plates.



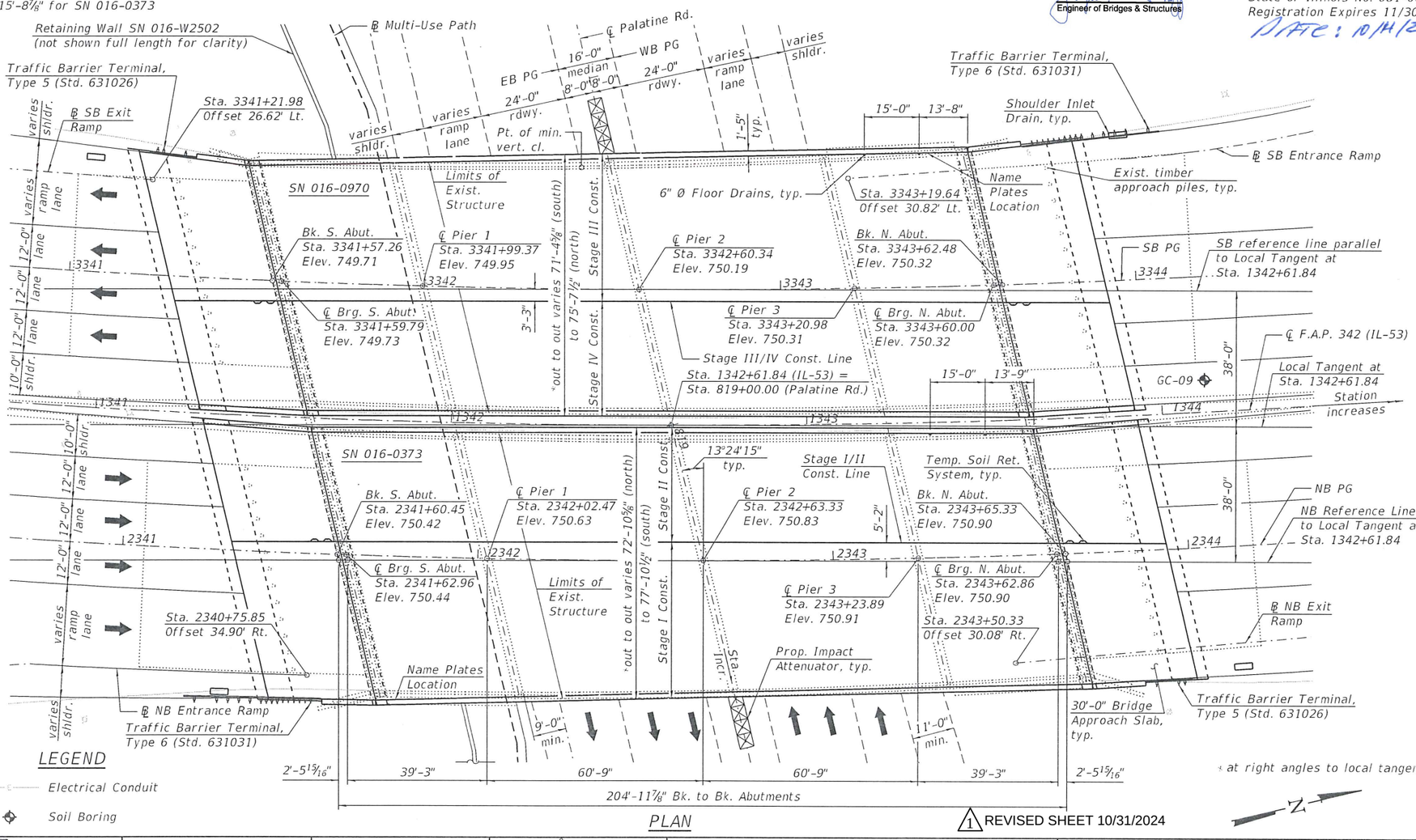
** 14'-0" Multi-Use path
*** 14'-10⅝" Min. Vert. Cl.

① 15'-0⅞" for SN 016-0970
15'-8⅞" for SN 016-0373

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

NATHAN D RICK
081-005819
LICENSED STRUCTURAL ENGINEER
OF
ILLINOIS

Nathan D. Rick, S.E.
Licensed Structural Engineer
State of Illinois No. 081-007039
Registration Expires 11/30/2024
DATE: 10/11/2024



PLAN

STA. 1342+61.84 RE-BUILT 202X BY STATE OF ILLINOIS F.A.P. Rt. 342 Sec. (531) BR 23 LOADING H-93 STR. NO. 016-0373	STA. 1342+61.84 RE-BUILT 202X BY STATE OF ILLINOIS F.A.P. Rt. 342 Sec. (531) BR 23 LOADING H-93 STR. NO. 016-0970

NAME PLATE
(See Std. 515001 and Note 4)

EXISTING CONSTRUCTION LOADING HS20-44

NEW CONSTRUCTION LOADING HL-93

Allow 25#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

(New Construction)
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

(Existing Construction)
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

2006 Seismic Retrofitting Manual for Highway Structures: Part 1 - Bridges (FHWA-HRT-06-032)

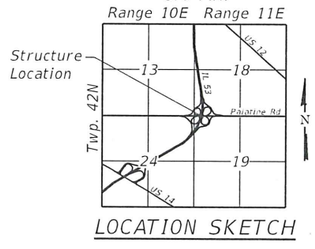
SEISMIC DATA

Seismic Retrofit Category (SRC) = A
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.082g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.141g
Soil Site Class = D
Performance Level = PL 1

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)
f'c = 4,000 psi (Superstructure)
f'c = 3,500 psi (Substructure)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)
fy = 36,000 psi (M270 Grade 36)

FIELD UNITS (EXISTING CONSTRUCTION)
fc = 1,400 psi (Substructure)
fs = 20,000 psi (Reinforcement)



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
IL RTE. 53 OVER PALATINE ROAD
FAP RTE. 342 - SEC. (531) BR 23
COOK COUNTY
STATION 1342+61.84
STRUCTURE NO. 016-0373 (NB)
STRUCTURE NO. 016-0970 (SB)

1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-0373 (NB) AND 016-0970 (SB)
SHEET 1 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	819
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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GENERAL NOTES

1. Fasteners shall be ASTM F 3125 Grade A325 Type 1, Fasteners shall be hot dip galvanized. See Special Provisions for "Hot Dip Galvanizing for Structural Steel." Bolts 7/8" diameter, holes 15/16" diameter, unless otherwise noted.

2. Calculated weight of Structural Steel = 583,760 lbs (Grade 50)
   = 73,260 lbs (Grade 36)

3. All structural steel shall be AASHTO M270 Grade 50 or Grade 36 and shall be galvanized. See Special Provision for "Hot Dip Galvanizing of Structural Steel."

4. No field welding is permitted except as specified in the contract documents.

5. Reinforcement bars designated (E) shall be epoxy coated.

6. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

7. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8" (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

8. Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

9. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.

10. An existing debris shield is present full length of Span 2 and 3. The staged removal of this debris shield is to be performed concurrently with the staged removal of the superstructures. This work will not be individually measured for payment but is considered to be included with the cost of "Removal of Existing Superstructure No. 1 and No. 2." (1)

INDEX OF SHEETS

1	General Plan & Elevation
2	General Notes & Total Bill of Materials
3	Roadway Profiles
4–5	Construction Staging
6	Temporary Concrete Barrier
7	Top of Deck Slab Elevation Layout
8–15	Top of Deck Slab Elevation Deflection Diagrams
16–19	Top of Approach Slab Elevations
20	Deck Plan (NB)
21	Cross Section (NB)
22	Deck Plan (SB)
23	Cross Section (SB)
24	Parapet Elevations
25	Deck Details
26–27	Semi–Integral Diaphragm
28	Semi–Integral Details
29–30	Approach Slab Plan (NB)
31	Approach Cross Section (NB)
32–33	Approach Slab Plan (SB)
34	Approach Cross Section (SB)
35	Approach Slab Details
36	Framing Plan
37	Girder Elevations & Details
38	Interior Moment & Reaction Tables
39	Diaphragm and Beam Details
40–41	Expansion Bearing Details
42	Fixed Bearing Details
43	Concrete Removal/Repair South Abutment (NB)
44	Concrete Removal/Repair North Abutment (NB)
45	Concrete Removal/Repair South Abutment (SB)
46	Concrete Removal/Repair North Abutment (SB)
47	Concrete Removal/Repair Pier 1 (NB)
48	Concrete Removal/Repair Pier 2 (NB)
49	Concrete Removal/Repair Pier 3 (NB)
50	Concrete Removal/Repair Pier 1 (SB)
51	Concrete Removal/Repair Pier 2 (SB)
52	Concrete Removal/Repair Pier 3 (SB)
53	Abutment Plan & Elevation South (NB)
54	Abutment Plan & Elevation North (NB)
55	Abutment Plan & Elevation South (SB)
56	Abutment Plan & Elevation North (SB)
57	Wing Wall Plan & Elevation (NB)
58	Wing Wall Plan & Elevation (SB)
59	Pier 1 Modification Details (NB)
60	Pier 2 Modification Details (NB)
61	Pier 3 Modification Details (NB)
62	Pier Modification Details & Tables (NB)
63	Pier 1 Modification Details (SB)
64	Pier 2 Modification Details (SB)
65	Pier 3 Modification Details (SB)
66	Pier Modification Details & Tables (SB)
67	Northbound Slope Wall Repair
68	Southbound Slope Wall Repair
69	Concrete Parapet Slip Forming Option
70	Bar Splicer Details
70A	Median Sliding Plate
71–73	Soil Borings

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Removal of Existing Superstructure No. 3	EACH	1		1
Removal of Existing Superstructure No. 4	EACH	1		1
Concrete Removal	CU YD		344	344
Protective Shield	SQ YD	3,273		3,273
Structure Excavation	CU YD		824	824
Concrete Structures	CU YD	138	401	538
Concrete Superstructure	CU YD	1,066		1,066
Protective Coat	SQ YD	4,677		4,677
Concrete Superstructure (Approach Slab)	CU YD	420		420
Furnishing and Erecting Structural Steel	L SUM	0.47		0.47 (1)
Stud Shear Connectors	EACH	24,000		24,000
Reinforcement Bars, Epoxy Coated	POUND	438,480	106,620	545,100
Bar Splicers	EACH	2,038		2,038
Mechanical Splicers	EACH	44	186	230
Slope Wall 4 Inch	SQ YD		356	356 (1)
Name Plates	EACH	2		2
Elastomeric Bearing Assembly, Type I	EACH	80		80
Anchor Bolts, 1"	EACH	128		128
Anchor Bolts, 1 1/4"	EACH	80		80
Temporary Soil Retention System	SQ FT		471	471
Granular Backfill for Structures	CU YD		553	553 (1)
Concrete Sealer	SQ FT		5,696	5,696
Geocomposite Wall Drain	SQ YD		379	379
Pipe Underdrains for Structures 4"	FOOT		353	353
Slope Wall Crack Sealing	FOOT		1,230.5	1,230.5 (1)
Bridge Deck Grooving (Longitudinal)	SQ YD	4,067		4,067
Bar Terminators	EACH	1,109		1,109
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT		17	17
Structural Repair of Concrete (Depth Greater Than 5 Inches)	SQ FT		3	3
Diamond Grinding (Bridge Section)	SQ YD	4,131		4,131
Slope Wall Repair	SQ YD		20	20 (1)
Temporary Shoring	EACH		6	6

(1) REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = emilyre	DESIGNED - TJE	REVISED - (1) 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND TOTAL BILL OF MATERIALS STRUCTURE NO. 016-0373 (NB) AND 016-0970 (SB)	F.A. RTE. 342 | SECTION (531) BR 23 | COUNTY COOK | TOTAL SHEETS 1211 | SHEET NO. 820
	CHECKED - NDR	REVISED -			CONTRACT NO. 62W38
PLOT SCALE = 0:2.0000 ':" / in.	DRAWN - CJH	REVISED -			ILLINOIS | FED. AID PROJECT
PLOT DATE = 10/28/2024	CHECKED - TJE	REVISED -		SHEET 2 OF 73 SHEETS	

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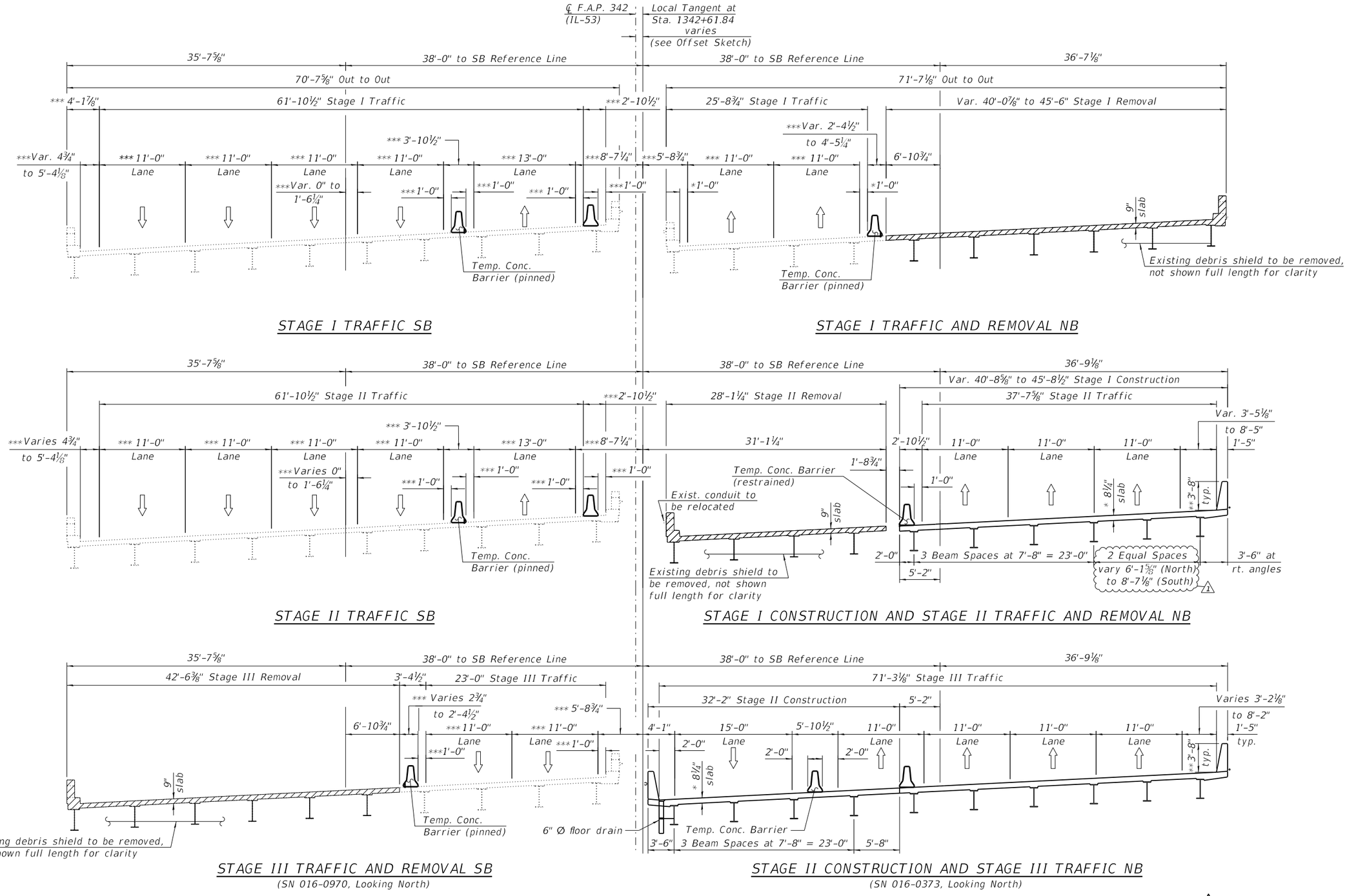

* Prior to Grinding
** After Grinding
*** Measured radially from Point of Tangency

1 REVISED SHEET 10/31/2024

Notes:
1. All dimensions measured perpendicular to reference lines unless otherwise noted.
2. Existing under bridge lighting to be removed and relocated.
3. See Offset Sketch on Sheet 3 of 73.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION STAGING (1 OF 2)
STRUCTURE NO. 016-0373 (NB) AND 016-0970 (SB)
SHEET 4 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	822
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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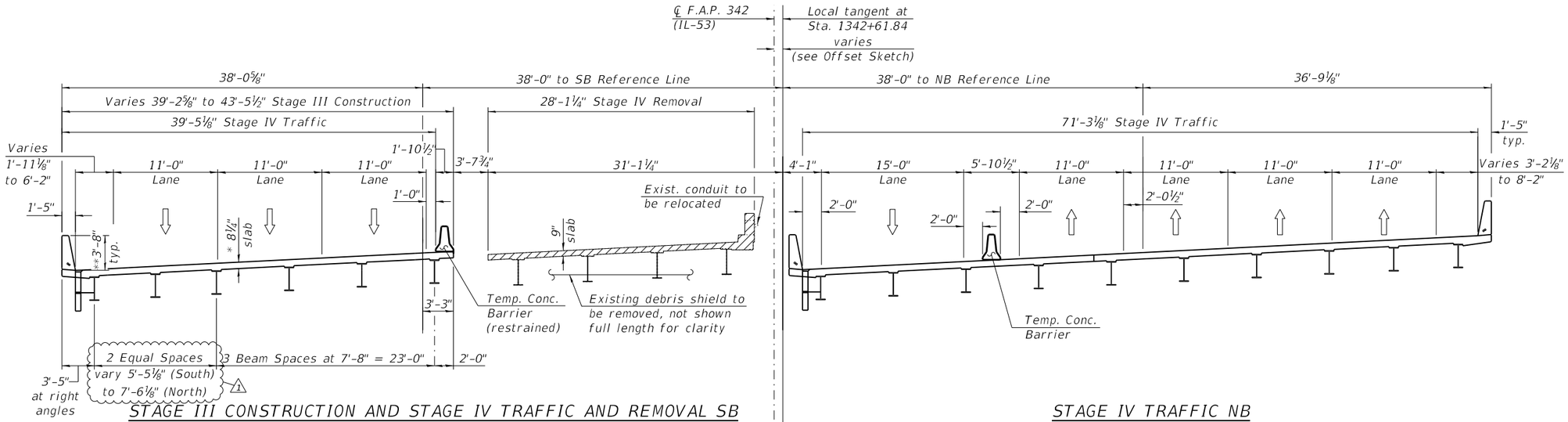

STAGE IV CONSTRUCTION AND FINAL CROSS SECTION SB

(SN 016-0970, Looking North)

FINAL CROSS SECTION NB

(SN 016-0373, Looking North)

* Prior to grinding

** After Grinding

*** The reported measured shoulder distance was taken radially from the intersection of the outside lane line and shoulder lane at the limits of the bridge deck.

1 REVISED SHEET 10/31/2024

Notes:

1. All dimensions measured perpendicular to reference lines unless otherwise noted.
2. See Lighting Plans for proposed underdeck lighting.
3. For Offset Sketch, see sheet 3 of 73.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION STAGING (2 OF 2)
STRUCTURE NO. 016-0373 (NB) AND 016-0970 (SB)

SHEET 5 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	823
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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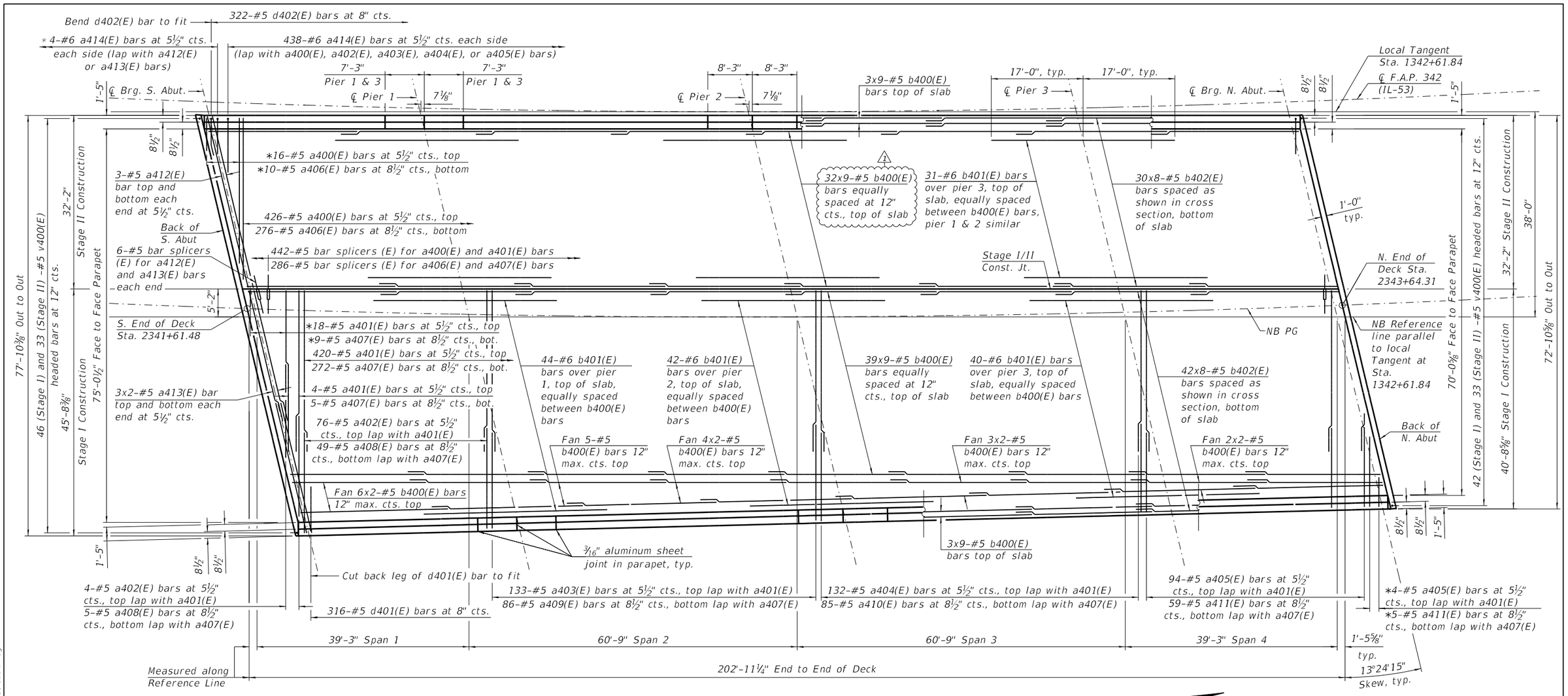
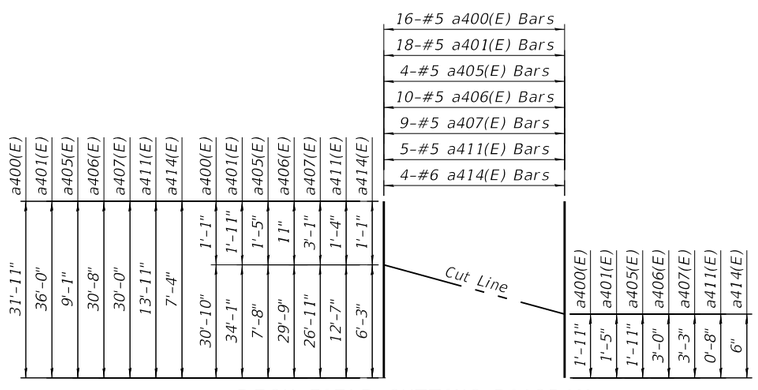


PLAN



DECK FIELD CUTTING DIAGRAM

∗ Order bars full length. Cut to fit skew and use remainder of bars in opposite end of deck. Bars shorter than minimum lap length do not need to be placed in the deck.

MINIMUM BAR LAP

#5 bar = 3'–6"

Notes:
1. Bars indicated thus 20 x 3–#5 etc. indicates 20 lines of bars with 3 lengths per line.
2. Work this sheet with sheet 21 and 25 of 73.
3. For Offset sketch see sheet 3 of 73.

1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
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PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN
STRUCTURE NO. 016-0373 (NB)
SHEET 20 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531)BR 23	COOK	1211	838
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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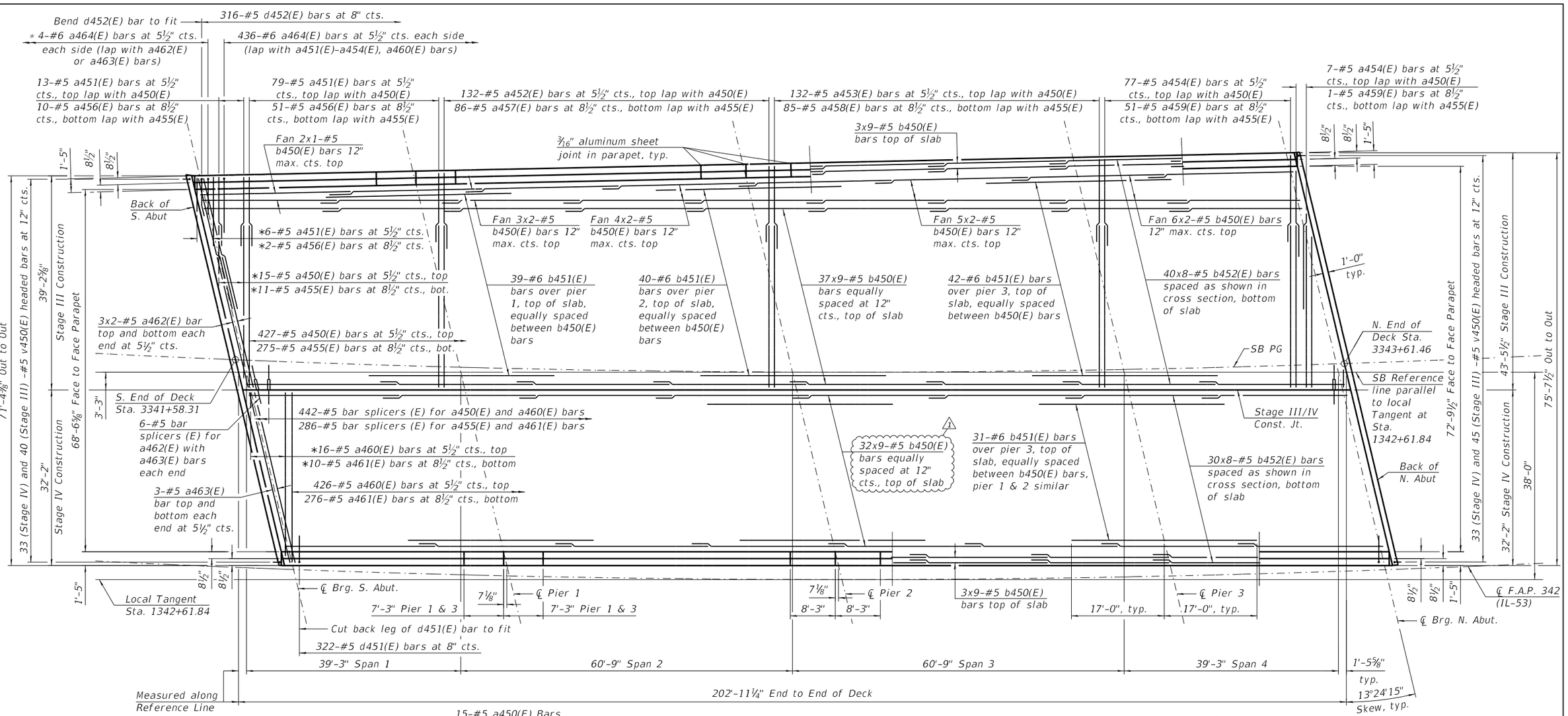
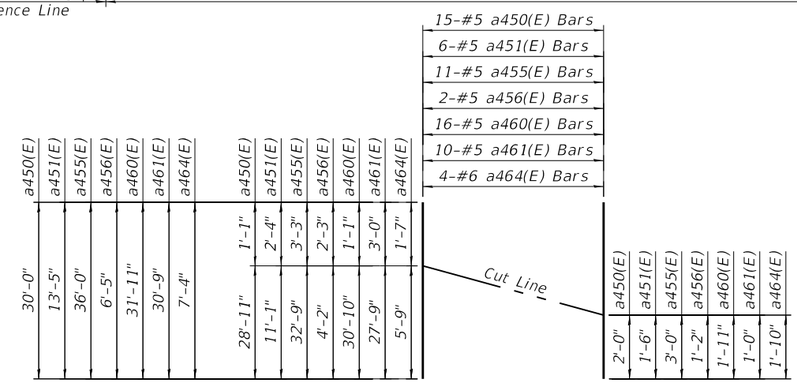


PLAN

N

MINIMUM BAR LAP

#5 bar = 3'-6"



DECK FIELD CUTTING DIAGRAM

* Order bars full length. Cut to fit skew and use remainder of bars in opposite end of deck. Bars shorter than minimum lap length do not need to be placed in the deck.

Notes:
1. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
2. Work this sheet with sheet 23 and 25 of 73.
3. For Offset sketch see sheet 3 of 73.

1 REVISED SHEET 10/31/2024

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USER NAME = codyh	DESIGNED - DMH	REVISED - 1 10/29/2024	
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PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PLAN
STRUCTURE NO. 016-0970 (SB)
SHEET 22 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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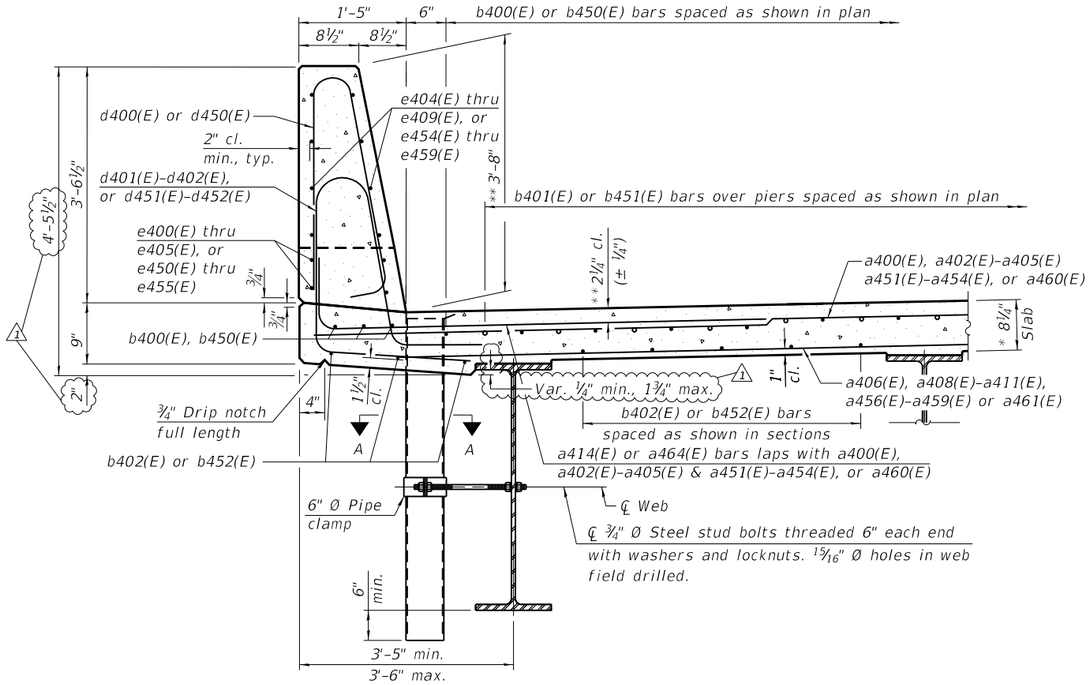
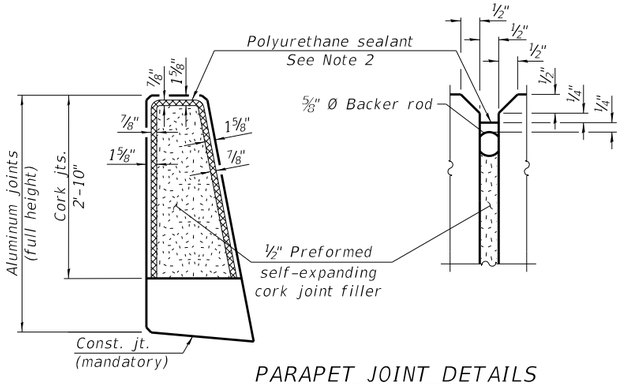
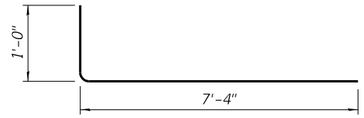


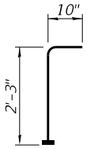
SECTION THRU PARAPET



PARAPET JOINT DETAILS

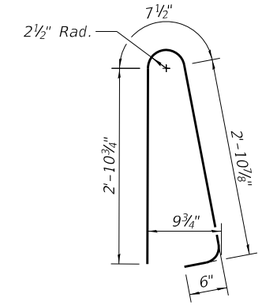


BAR a414(E), a464(E)

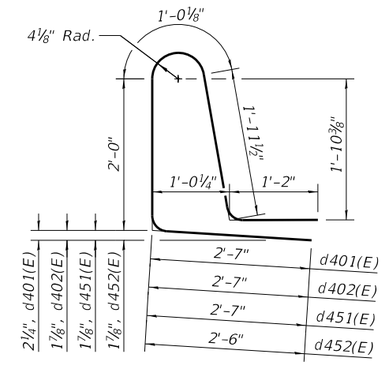


BAR v400(E), v450(E)

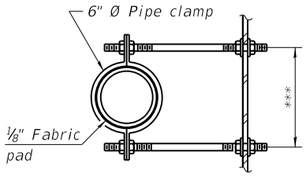
(Headed v400(E) 154-#5 Bar Terminators)
(Headed v450(E) 151-#5 Bar Terminators) 1



BAR d400(E), d450(E)

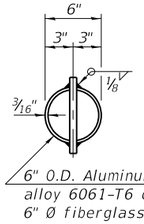


BAR d401(E), d402(E), d451(E), d452(E)



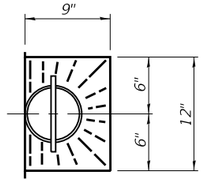
SECTION A-A

***Dimension as required by pipe clamp

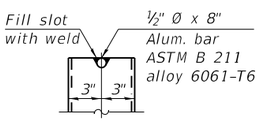


TOP PLAN

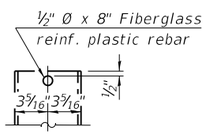
(Showing aluminum tube)



TOP PLAN



ALUMINUM TUBE



FIBERGLASS PIPE

SUPERSTRUCTURE BILL OF MATERIAL

Structure No. 016-0373 (NB)

Bar	No.	Size	Length	Shape
a400(E)	442	#5	32'-0"	——
a401(E)	442	#5	36'-0"	——
a402(E)	80	#5	12'-11"	——
a403(E)	133	#5	12'-1"	——
a404(E)	132	#5	10'-7"	——
a405(E)	98	#5	9'-1"	——
a406(E)	286	#5	30'-8"	——
a407(E)	286	#5	30'-0"	——
a408(E)	54	#5	17'-10"	——
a409(E)	86	#5	16'-11"	——
a410(E)	85	#5	15'-5"	——
a411(E)	64	#5	13'-11"	——
a412(E)	12	#5	32'-9"	——
a413(E)	24	#5	25'-3"	——
a414(E)	884	#6	8'-4"	L
b400(E)	728	#5	25'-9"	——
b401(E)	219	#6	34'-9"	——
b402(E)	576	#5	28'-6"	——
d400(E)	638	#5	6'-11"	⌋
d401(E)	316	#5	8'-9"	⌊⌋
d402(E)	322	#5	8'-9"	⌊⌋
e400(E)	8	#4	32'-11"	——
e401(E)	16	#4	23'-6"	——
e402(E)	8	#4	33'-2"	——
e403(E)	16	#4	23'-8"	——
e404(E)	96	#4	6'-11"	——
e405(E)	48	#4	7'-11"	——
e406(E)	32	#4	16'-4"	——
e407(E)	48	#4	14'-8"	——
e408(E)	32	#4	16'-5"	——
e409(E)	48	#4	14'-9"	——
v400(E)	154	#5	3'-1"	⌊
Concrete Superstructures		CU YD	483.5	
Protective Coat		SQ YD	1,834	
Reinforcement Bars, Epoxy Coated		POUND	119,720	
Bar Splicers		EACH	740	
Bar Terminators		EACH	154	
Bridge Deck Grooving (Longitudinal)		SQ YD	1,584	
Diamond Grinding (Bridge Section)		SQ YD	1,610	

Structure No. 016-0970 (SB)

Bar	No.	Size	Length	Shape
a450(E)	442	#5	30'-0"	——
a451(E)	98	#5	13'-5"	——
a452(E)	132	#5	14'-8"	——
a453(E)	132	#5	15'-11"	——
a454(E)	84	#5	16'-8"	——
a455(E)	286	#5	36'-0"	——
a456(E)	63	#5	6'-2"	——
a457(E)	86	#5	7'-6"	——
a458(E)	85	#5	8'-9"	——
a459(E)	52	#5	9'-6"	——
a460(E)	442	#5	31'-11"	——
a461(E)	286	#5	30'-9"	——
a462(E)	24	#5	21'-9"	——
a463(E)	12	#5	32'-10"	——
a464(E)	884	#6	8'-4"	L
b450(E)	713	#5	25'-3"	——
b451(E)	214	#6	34'-0"	——
b452(E)	560	#5	28'-5"	——
d450(E)	638	#5	6'-11"	⌋
d451(E)	322	#5	8'-9"	⌊⌋
d452(E)	316	#5	8'-8"	⌊⌋
e450(E)	8	#4	33'-2"	——
e451(E)	16	#4	23'-8"	——
e452(E)	8	#4	32'-11"	——
e453(E)	16	#4	23'-7"	——
e454(E)	96	#4	6'-11"	——
e455(E)	48	#4	7'-11"	——
e456(E)	32	#4	16'-5"	——
e457(E)	48	#4	14'-9"	——
e458(E)	32	#4	16'-4"	——
e459(E)	48	#4	14'-8"	——
v450(E)	151	#5	3'-1"	⌊
Concrete Superstructures		CU YD	461.0	
Protective Coat		SQ YD	1,792	
Reinforcement Bars, Epoxy Coated		POUND	130,130	
Bar Splicers		EACH	740	
Bar Terminators		EACH	151	
Bridge Deck Grooving (Longitudinal)		SQ YD	1,542	
Diamond Grinding (Bridge Section)		SQ YD	1,568	

Notes:

1. Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
2. The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.
3. The top portion of aluminum floor drains shall be coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete.
4. The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
5. The 3/16" min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
6. The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
7. Bar terminators, paid for separately. See Total Bill of Material.

* Prior to Grinding
** After Grinding

1 REVISED SHEET 10/31/2024

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IDFPR NO. 184-001273

USER NAME = codyh	DESIGNED - DMH	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK AND PARAPET DETAILS STRUCTURE NO. 016-0373 (NB) AND 016-0970 (SB)	F.A. RTE. 342
	CHECKED - NDR	REVISED -			SECTION (531) BR 23
PLOT SCALE = 0:2.0000 ':' / in.	DRAWN - DMH	REVISED -		SHEET 25 OF 73 SHEETS	COUNTY COOK
PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -			TOTAL SHEETS 1211
					SHEET NO. 843
					CONTRACT NO. 62W38
					ILLINOIS FED. AID PROJECT

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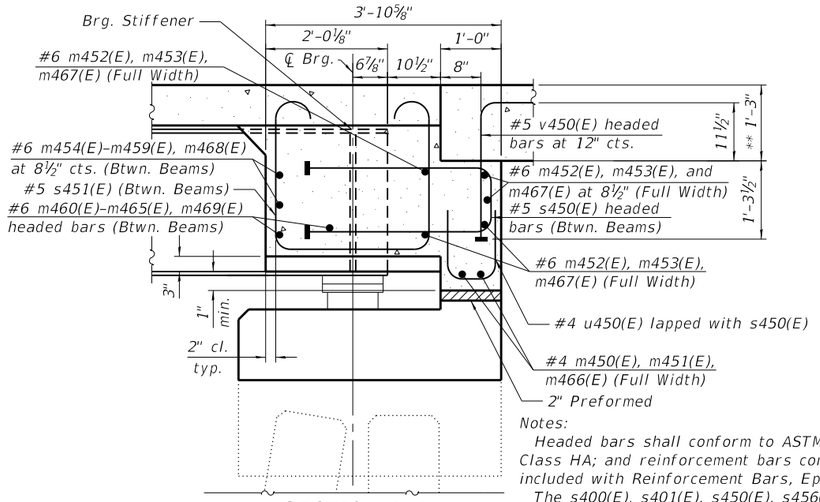


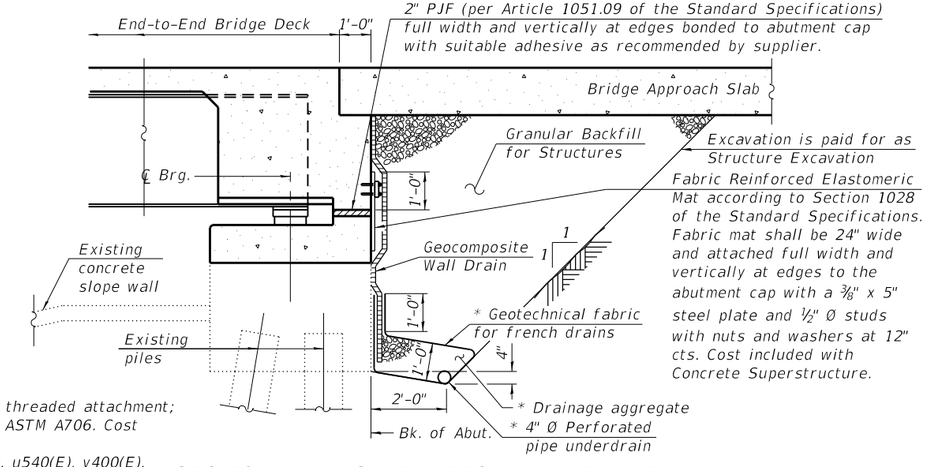
SECTION B–B

(Horiz. dim. at Rt. ∠'s to Bk. of Abut.)

Notes:

Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

The s400(E), s401(E), s450(E), s456(E), u400(E), u540(E), v400(E), and v450(E) bars are placed parallel to beams and spaced at right angles to beams.



SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. at Rt. ∠'s to Bk. of Abut.)

*Included in the cost of Pipe Underdrains for Structures.

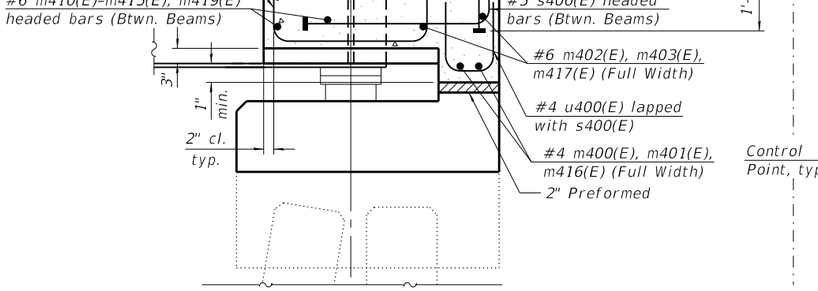
SEMI-INTERGRAL DIAPHGRAM BILL OF MATERIALS

Structure No. 016-0375

Bar	No.	Size	Length	Shape
m400(E)	4	#4	24'-0"	
m401(E)	4	#4	32'-8"	
m402(E)	10	#6	24'-7"	
m403(E)	10	#6	32'-8"	
m404(E)	24	#6	7'-7"	
m405(E)	4	#6	2'-1"	
m406(E)	4	#6	8'-6"	
m407(E)	4	#6	1'-8"	
m408(E)	4	#6	5'-5"	
m409(E)	4	#6	3'-3"	
m410(E)	24	#6	7'-7"	
m411(E)	4	#6	2'-1"	
m412(E)	4	#6	8'-6"	
m413(E)	4	#6	1'-8"	
m414(E)	4	#6	5'-5"	
m415(E)	4	#6	3'-3"	
m416(E)	4	#4	21'-0"	
m417(E)	10	#6	21'-8"	
m418(E)	4	#6	5'-11"	
m419(E)	4	#6	5'-11"	
s400(E)	156	#5	9'-0"	
s401(E)	156	#5	7'-11"	
u400(E)	156	#4	3'-8"	
Concrete Superstructures			CU YD	43.6
Reinforcement Bars, Epoxy Coated			POUND	3,430
Bar Terminators			EACH	408
Mechanical Splicers			EACH	22
Geocomposite Wall Drain			SQ YD	197
Structure Excavation			CU YD	438
1 Granular Backfill for Structures			CU YD	286
Pipe UnderDrains for Structures 4"			FOOT	178

Structure No. 016-1120

Bar	No.	Size	Length	Shape
m450(E)	4	#4	20'-7"	
m451(E)	4	#4	32'-8"	
m452(E)	10	#6	21'-2"	
m453(E)	10	#6	32'-8"	
m454(E)	24	#6	7'-6"	
m455(E)	4	#6	1'-11"	
m456(E)	4	#6	5'-1"	
m457(E)	4	#6	1'-8"	
m458(E)	4	#6	5'-5"	
m459(E)	4	#6	3'-3"	
m460(E)	24	#6	7'-6"	
m461(E)	4	#6	1'-11"	
m462(E)	4	#6	5'-1"	
m463(E)	4	#6	1'-8"	
m464(E)	4	#6	5'-5"	
m465(E)	4	#6	3'-3"	
m466(E)	4	#4	22'-10"	
m467(E)	10	#6	23'-4"	
m468(E)	4	#6	7'-4"	
m469(E)	4	#6	7'-4"	
s450(E)	150	#5	9'-0"	
s451(E)	150	#5	7'-11"	
u450(E)	150	#4	3'-8"	
Concrete Superstructures			CU YD	43.6
Reinforcement Bars, Epoxy Coated			POUND	3,330
Bar Terminators			EACH	396
Mechanical Splicers			EACH	22
Geocomposite Wall Drain			SQ YD	182
Structure Excavation			CU YD	386
1 Granular Backfill for Structures			CU YD	260
Pipe UnderDrains for Structures 4"			FOOT	175

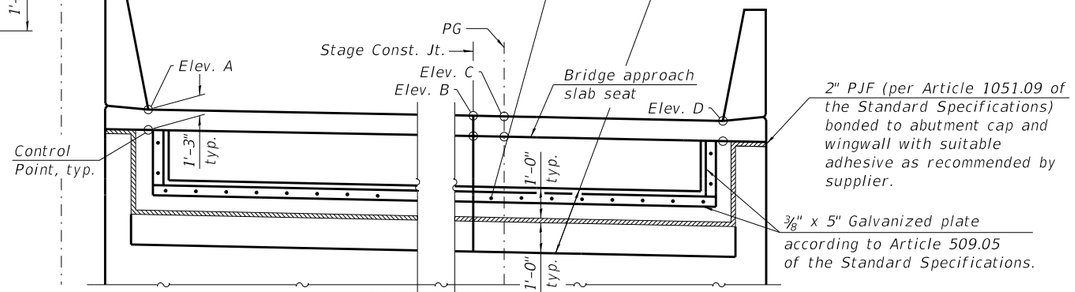


SECTION A–A

(Horiz. dim. at Rt. ∠'s to Bk. of Abut.)

BACK OF ABUTMENT ELEVATIONS

Elev.	S.N. 016-0970		S.N. 016-0373	
	S. Abut	N. Abut	S. Abut	N. Abut
A	748.08	748.47	748.69	749.22
B	750.02	750.59	750.26	750.77
C	749.73	750.34	750.44	750.92
D	751.59	752.13	752.52	752.74



ELEVATION

(Looking at back of abutment)

5'-11"	m419(E)
3'-3"	m415(E)
5'-5"	m414(E)
1'-8"	m413(E)
8'-6"	m412(E)
2'-1"	m411(E)
7'-7"	m410(E)

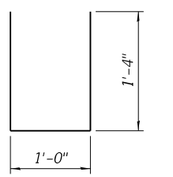
BAR m410(E)–m415(E), m419(E)

(Headed m410(E) 48–#6 Bar Terminators)
(Headed m411(E) 8–#6 Bar Terminators)
(Headed m412(E) 8–#6 Bar Terminators)
(Headed m413(E) 8–#6 Bar Terminators)
(Headed m414(E) 8–#6 Bar Terminators)
(Headed m415(E) 8–#6 Bar Terminators)
(Headed m419(E) 8–#6 Bar Terminators) 1

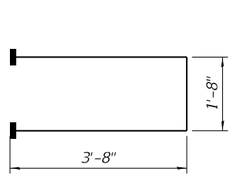
7'-4"	m469(E)
3'-3"	m465(E)
5'-5"	m464(E)
1'-8"	m463(E)
5'-1"	m462(E)
1'-11"	m461(E)
7'-6"	m460(E)

BAR m460(E)–m465(E), m469(E)

(Headed m460(E) 48–#6 Bar Terminators)
(Headed m461(E) 8–#6 Bar Terminators)
(Headed m462(E) 8–#6 Bar Terminators)
(Headed m463(E) 8–#6 Bar Terminators)
(Headed m464(E) 8–#6 Bar Terminators)
(Headed m465(E) 8–#6 Bar Terminators)
(Headed m469(E) 8–#6 Bar Terminators) 1

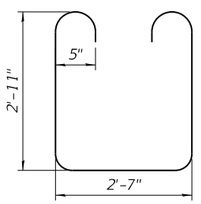


BAR u400(E), u450(E)



BAR s400(E), s450(E)

(Headed s400(E) 312–#5 Bar Terminators)
(Headed s450(E) 300–#5 Bar Terminators) 1



BAR s401(E), s451(E)

** After Grinding

Notes:

1. All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).
2. The approach slab ledge shall have a constant slope determined from the control points show.
3. Cost of fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers and installation are included in the cost of Concrete Superstructure.

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PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT DIAPHRAGM DETAILS
STRUCTURE NO. 016-0373 (NB) AND 016-0970 (SB)

SHEET 28 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	846
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

1 REVISED SHEET 10/31/2024

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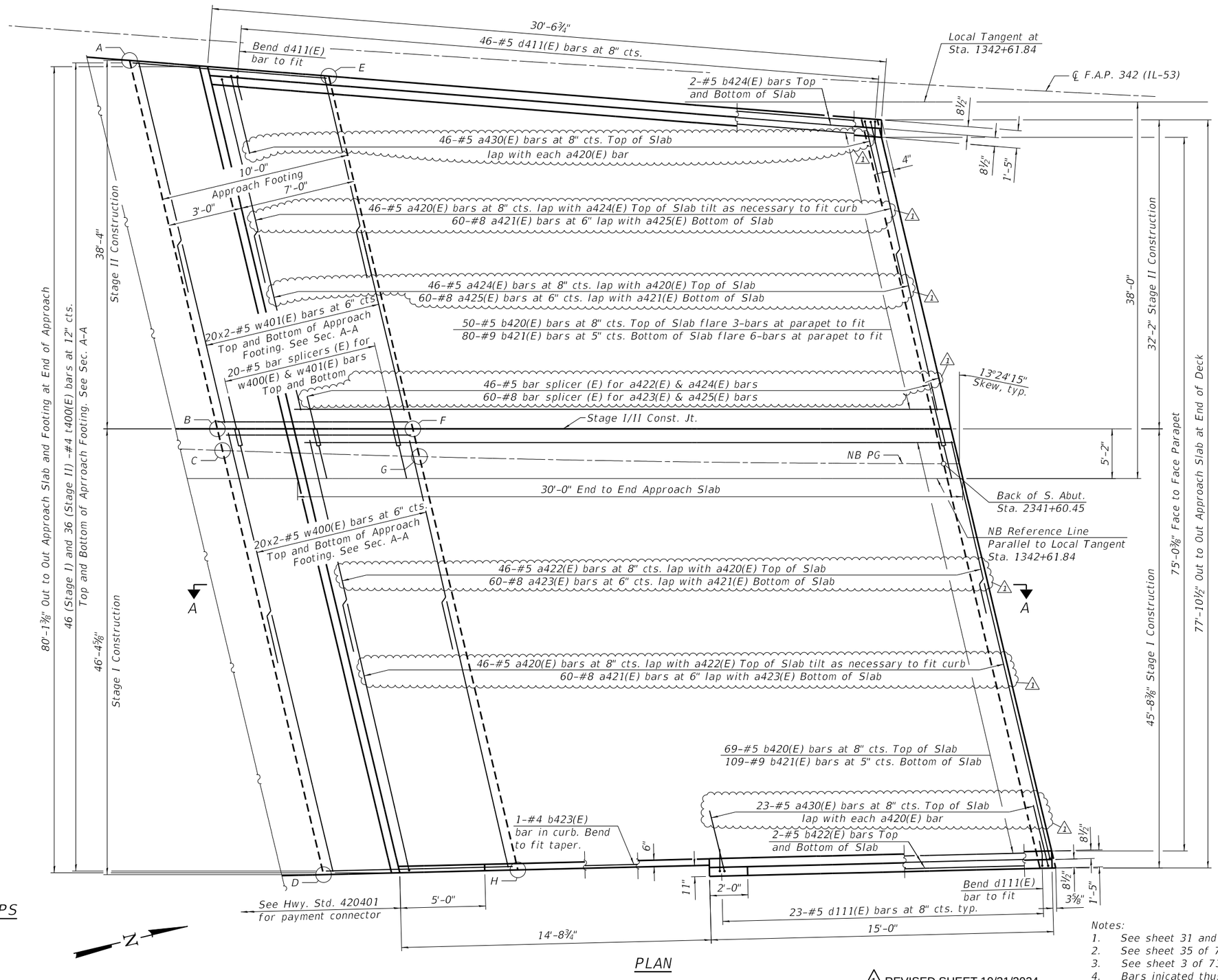
TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	Top	Bottom
A	747.15	746.32
B	748.90	748.07
C	749.04	748.21
D	751.17	750.34
E	747.06	746.23
F	748.85	748.02
G	748.97	748.14
H	751.12	750.29



PLAN

MINIMUM BAR LAPS

#4 Bar = 2'-5"
#5 Bar = 3'-0"
#8 Bar = 4'-9"

Notes:
1. See sheet 31 and 35 of 73 for Cross Section and details.
2. See sheet 35 of 73 for Section A-A.
3. See sheet 3 of 73 for Offset Sketch
4. Bars inicated thus 20x2-#5 etc. indicates 20 lines of bars with 2 lengths per line.

1 REVISED SHEET 10/31/2024

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IDFPR NO. 184-001273

USER NAME = codyh	DESIGNED - TJE	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH APPROACH SLAB PLAN (1 OF 2) STRUCTURE NO. 016-0373 (NB)	
	CHECKED - NDR	REVISED -			
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PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -		SHEET 29 OF 73 SHEETS	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531)BR 23	COOK	1211	847
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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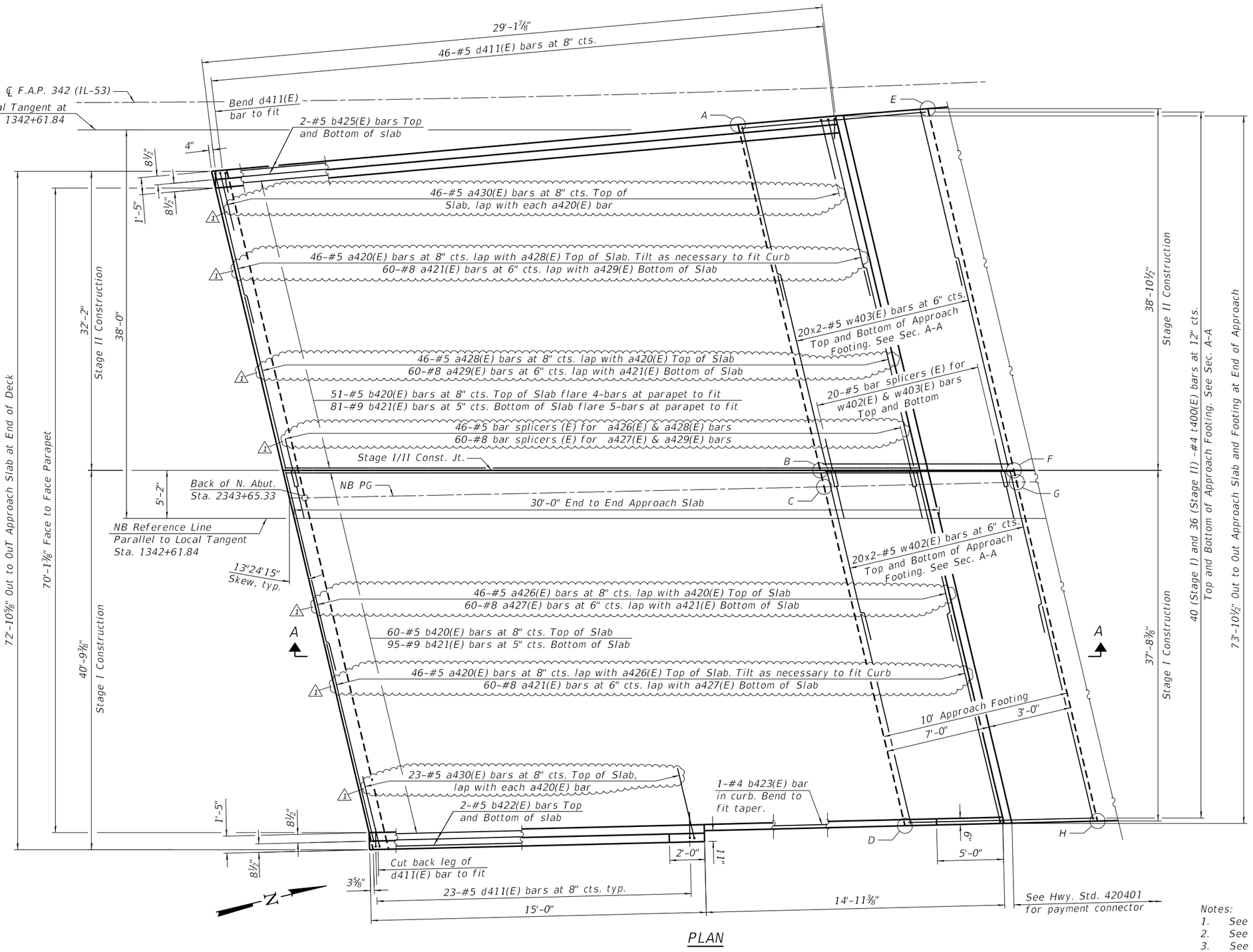

PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	Top	Bottom
A	747.81	746.97
B	749.52	748.69
C	749.62	748.79
D	751.45	750.61
E	747.77	746.94
F	749.53	748.69
G	749.60	748.77
H	751.42	750.59

MINIMUM BAR LAPS

#4 Bar = 2'-5"
#5 Bar = 3'-0"
#8 Bar = 4'-9"

Notes:
1. See sheet 31 and 35 of 73 for Cross Section and details.
2. See sheet 35 of 73 for Section A-A.
3. See sheet 3 of 73 for Offset Sketch
4. Bars inicated thus 20x2-#5 etc. indicates 20 lines of bars with 2 lengths per line.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH APPROACH SLAB PLAN (2 OF 2)
STRUCTURE NO. 016-0373 (NB)
SHEET 30 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531)BR 23	COOK	1211	848
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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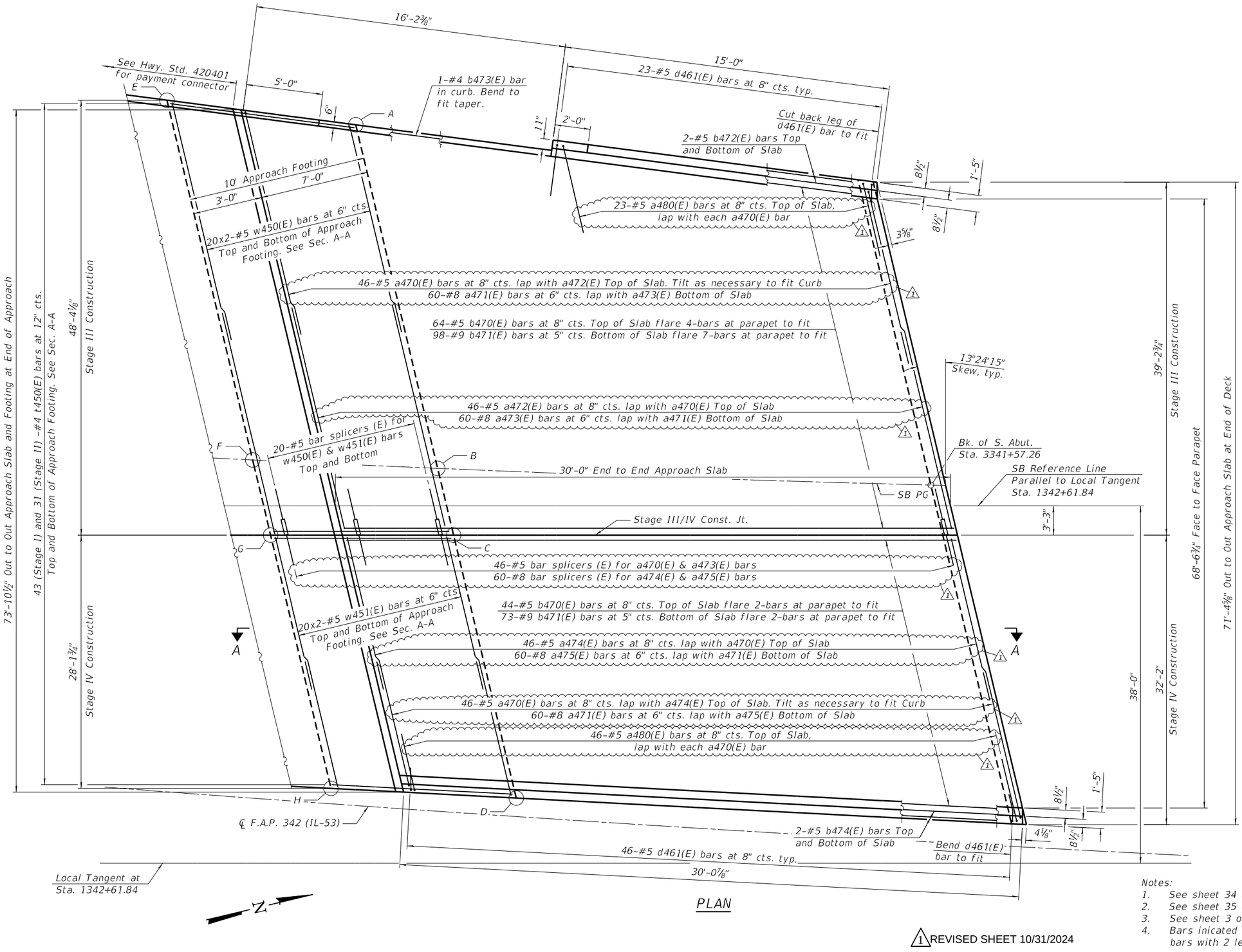
TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	Top	Bottom
A	746.53	745.70
B	748.32	747.49
C	748.66	747.82
D	750.24	749.41
E	746.41	745.58
F	748.25	747.41
G	748.61	747.78
H	750.17	749.34



PLAN

MINIMUM BAR LAPS

#4 Bar = 2'-5"
#5 Bar = 3'-0"
#8 Bar = 4'-9"

Notes:
1. See sheet 34 and 35 of 73 for Cross Section and details.
2. See sheet 35 of 73 for Section A-A.
3. See sheet 3 of 73 for Offset Sketch.
4. Bars inicated thus 20x2-#5 etc. indicates 20 lines of bars with 2 lengths per line.

1 REVISED SHEET 10/31/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH APRROACH SLAB PLAN
STRUCTURE NO. 016-0970 (SB)
SHEET 32 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531)BR 23	COOK	1211	850
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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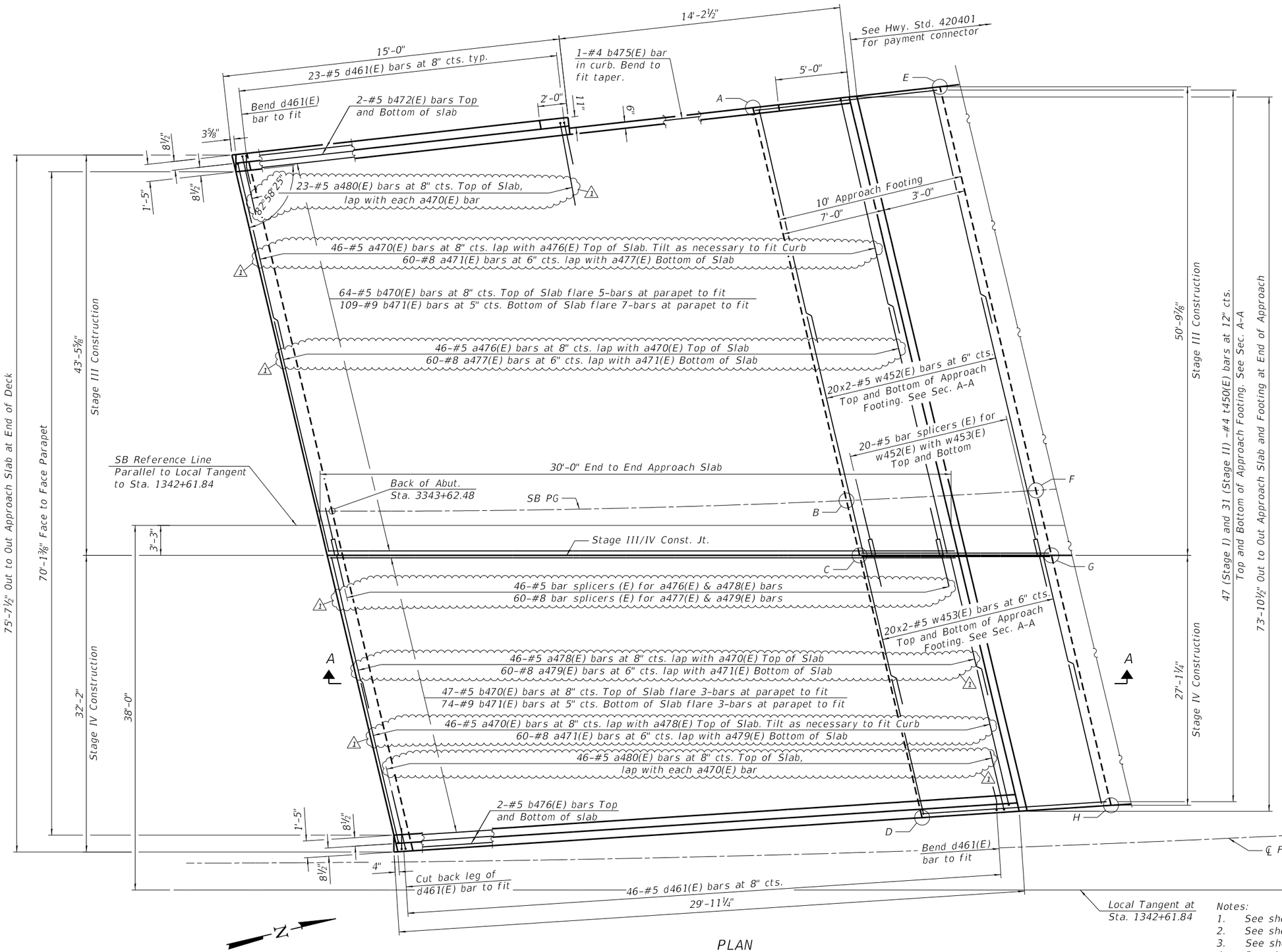
TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	Top	Bottom
A	747.08	746.25
B	749.06	748.23
C	749.34	748.51
D	750.89	750.05
E	747.03	746.20
F	749.05	748.21
G	749.36	748.52
H	750.86	750.03



PLAN

MINIMUM BAR LAPS

#4 Bar = 2'-5"
#5 Bar = 3'-0"
#8 Bar = 4'-9"

Notes:
1. See sheet 34 and 35 of 73 for Cross Section and details.
2. See sheet 35 of 73 for Section A-A.
3. See sheet 3 of 73 for Offset Sketch
4. Bars inicated thus 20x2-#5 etc. indicates 20 lines of bars with 2 lengths per line.

1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
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IDFPR NO. 184-001273

USER NAME = codyh	DESIGNED - TJE	REVISED - 1 10/29/2024	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH APRROACH SLAB PLAN
STRUCTURE NO. 016-0970 (SB)
SHEET 33 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531)BR 23	COOK	1211	851
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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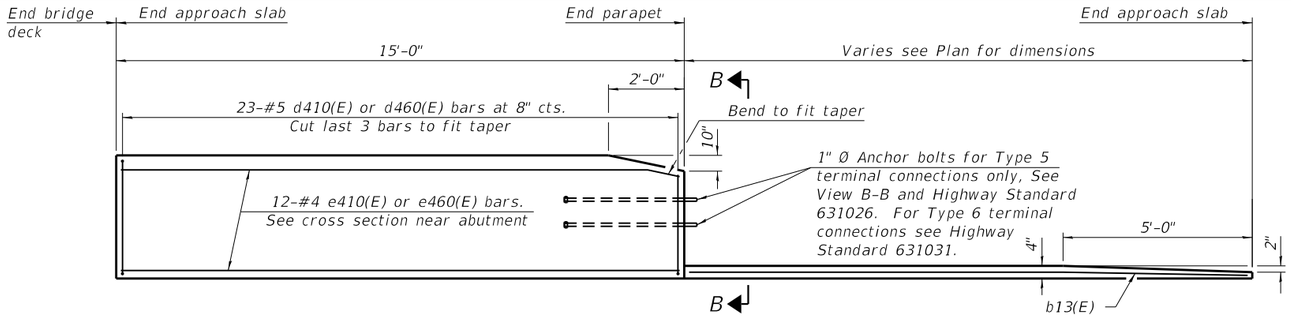
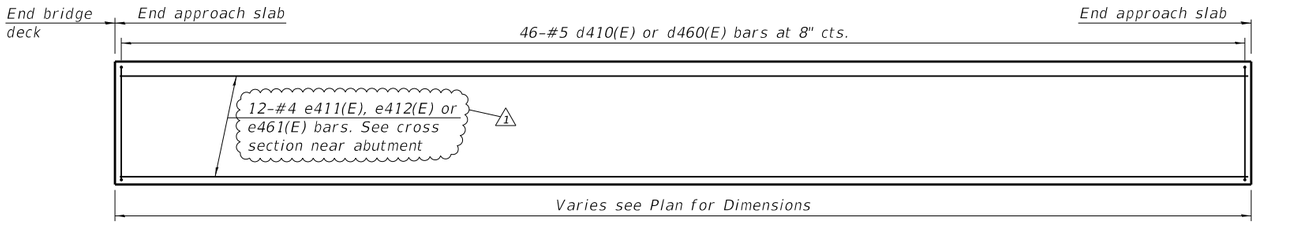
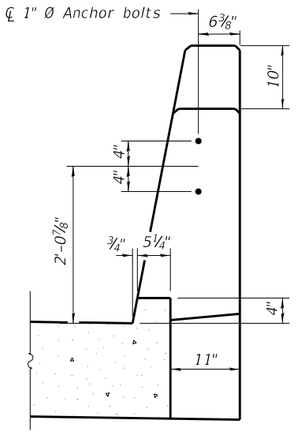


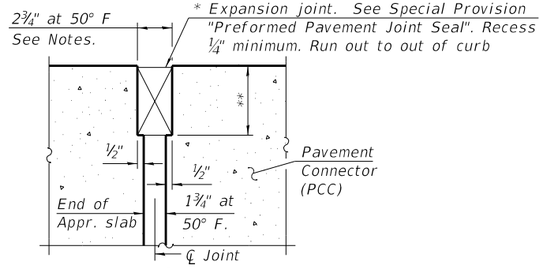
SN 016-0373 EAST & SN 016-0970 WEST INSIDE ELEVATION OF PARAPET AND CURB



SN 016-0373 WEST & SN 016-0970 EAST INSIDE ELEVATION OF PARAPET



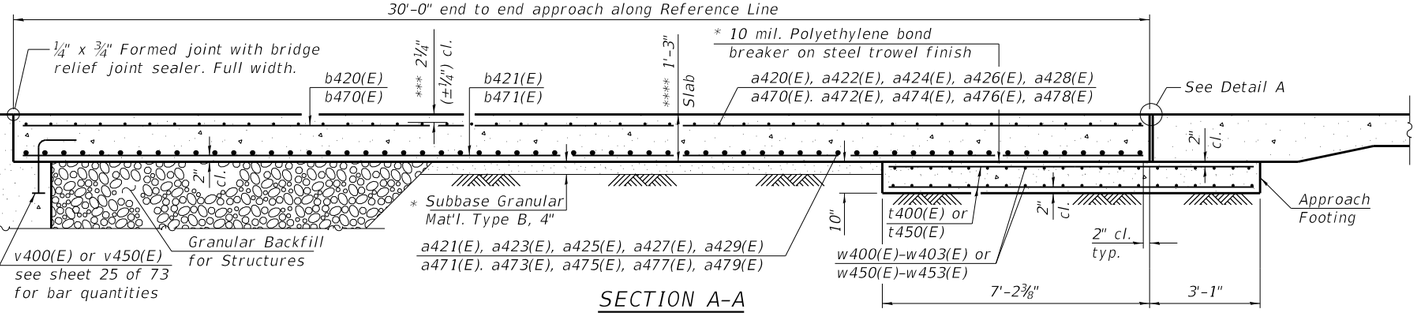
VIEW B-B



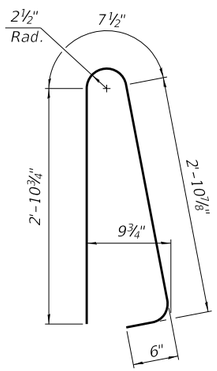
DETAIL A

(at Rt. ℄'s)

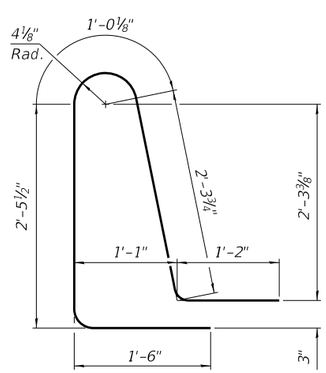
* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations
*** Prior to Grinding
**** After Grinding



SECTION A-A



BAR d410(E), d460(E)



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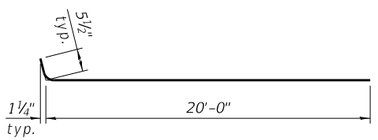
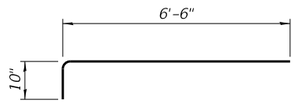
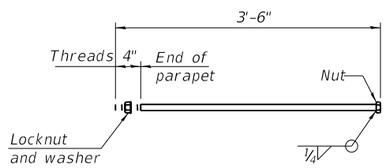


BAR a420(E), a470(E))



BAR a430(E), a480(E)



*1" Ø ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

TWO APPROACHES (EACH STRUCTURE) BILL OF MATERIAL

Structure No. 016-0373 (NB)					Structure No. 016-0970 (SB)				
Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
a420(E)	184	#5	20'-6"		a470(E)	184	#5	20'-6"	
a421(E)	240	#8	20'-0"		a471(E)	240	#8	20'-0"	
a422(E)	46	#5	29'-7"		a472(E)	46	#5	26'-3"	
a423(E)	60	#8	31'-4"		a473(E)	60	#8	28'-0"	
a424(E)	46	#5	18'-3"		a474(E)	46	#5	15'-8"	
a425(E)	60	#8	20'-0"		a475(E)	60	#8	17'-5"	
a426(E)	46	#5	23'-11"		a476(E)	46	#5	30'-9"	
a427(E)	60	#8	25'-8"		a477(E)	60	#8	32'-6"	
a428(E)	46	#5	18'-5"		a478(E)	46	#5	16'-9"	
a429(E)	60	#8	20'-2"		a479(E)	60	#8	18'-6"	
a430(E)	138	#5	7'-4"		a480(E)	138	#5	7'-4"	
b420(E)	230	#5	29'-8"		b470(E)	224	#5	29'-8"	
b421(E)	365	#9	29'-8"		b471(E)	354	#9	29'-8"	
b422(E)	8	#5	14'-8"		b472(E)	8	#5	14'-8"	
b423(E)	2	#4	14'-6"		b473(E)	1	#4	15'-10"	
b424(E)	4	#5	30'-3"		b474(E)	4	#5	29'-8"	
b425(E)	4	#5	28'-10"		b475(E)	1	#4	13'-10"	
					b476(E)	4	#5	29'-7"	
d410(E)	138	#5	7'-0"						
d411(E)	138	#5	8'-6"		d460(E)	138	#5	7'-0"	
					d461(E)	138	#5	8'-6"	
e410(E)	24	#4	14'-8"						
e411(E)	12	#4	30'-3"		e460(E)	24	#4	14'-8"	
e412(E)	12	#4	28'-10"		e461(E)	24	#4	29'-8"	
t400(E)	316	#4	9'-11"		t450(E)	304	#4	9'-11"	
w400(E)	80	#5	24'-9"		w450(E)	80	#5	23'-4"	
w401(E)	80	#5	19'-3"		w451(E)	80	#5	17'-3"	
w402(E)	80	#5	21'-7"		w452(E)	80	#5	25'-0"	
w403(E)	80	#5	19'-4"		w453(E)	80	#5	17'-1"	
Concrete Structures		CU YD	70.1		Concrete Structures		CU YD	67.8	
Concrete Superstructures		CU YD	17.0		Concrete Superstructures		CU YD	17.0	
Concrete Superstructure (Approach Slab)		CU YD	215.9		Concrete Superstructure (Approach Slab)		CU YD	203.8	
Protective Coat		SQ YD	514.0		Protective Coat		SQ YD	537.0	
1 Bridge Deck Grooving (Longitudinal)		SQ YD	473		1 Bridge Deck Grooving (Longitudinal)		SQ YD	468	
Diamond Grinding (Bridge Section)		SQ YD	479		Diamond Grinding (Bridge Section)		SQ YD	474	
Reinforcement Bars, Epoxy Coated		POUND	94,150		Reinforcement Bars, Epoxy Coated		POUND	92,230	
Bar Splicers		EACH	292		Bar Splicers		EACH	292	

Notes:
1. The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
2. Parapet concrete shall be paid for as Concrete Superstructure.
3. Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
4. Approach footing concrete shall be paid for as Concrete Structures.
5. The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
6. Cost of excavation for approach footing included with Concrete Structures.
7. For Granular Backfill for Structures and drainage treatment details, see sheet 28 of 73.

1 REVISED SHEET 10/31/2024

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

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	CHECKED - NDR	REVISED -
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PLOT DATE = 10/23/2024	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB DETAILS
STRUCTURE NO. 016-0373 (NB) AND 016-0970 (SB)

SHEET 35 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	853
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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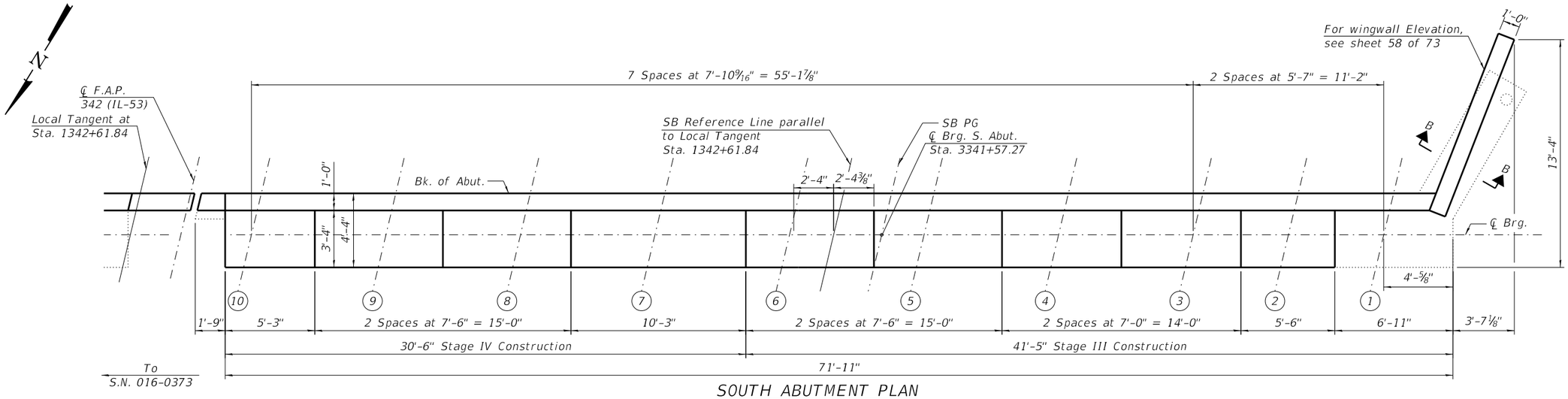
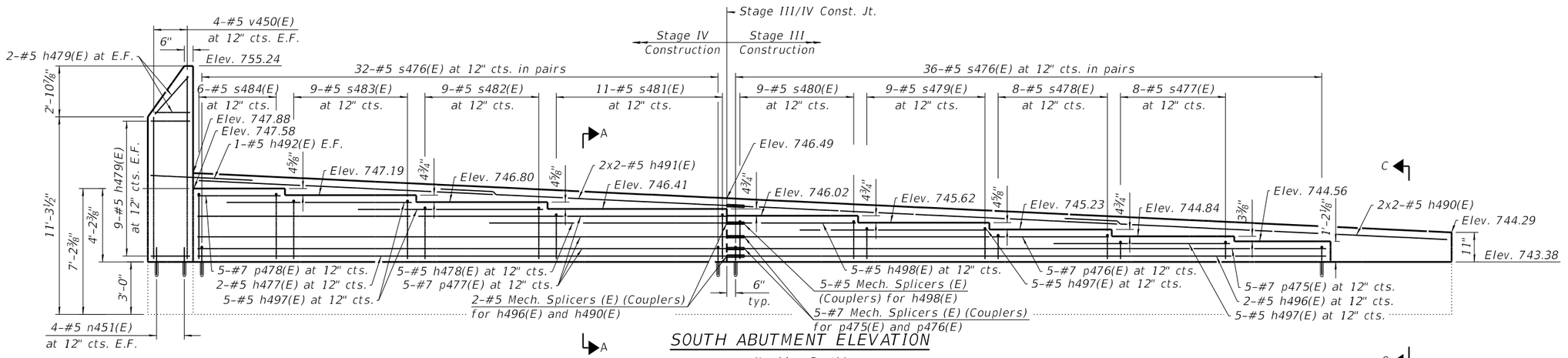
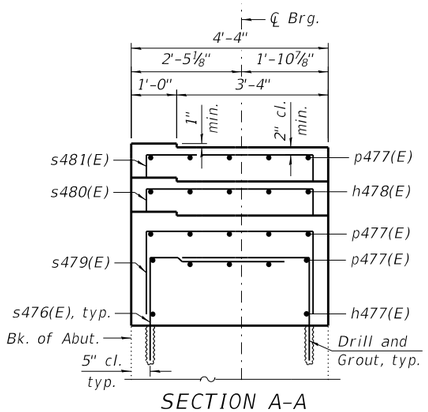


SOUTH ABUTMENT PLAN



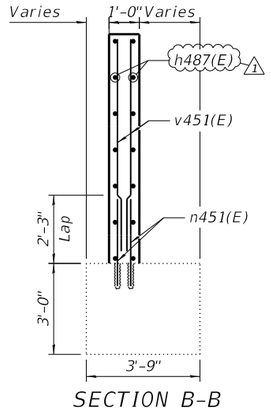
SOUTH ABUTMENT ELEVATION

(Looking South)

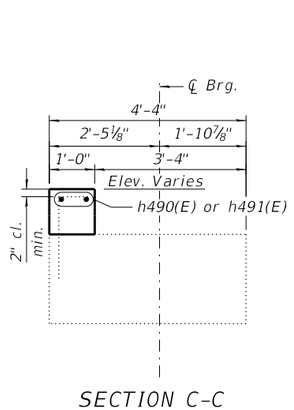


SECTION A-A

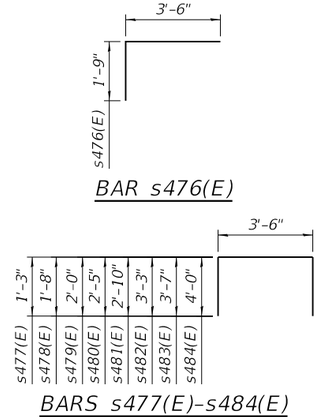
(Similar bars not shown for clarity)



SECTION B-B

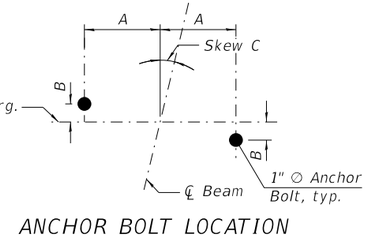


SECTION C-C



BAR s476(E)

BARS s477(E)-s484(E)



ANCHOR BOLT LOCATION DETAIL A

ANCHOR BOLT LAYOUT

Beamline	A	B	C
1	9 7/8"	2 1/8"	12°12'6"
2	9 7/8"	2 1/4"	12°48'16"
3-10	9 7/8"	2 3/8"	13°24'15"

Notes:

1. *Cost of drilling and grouting reinforcing bars included in cost of Concrete Structures.*
2. *Bars shall be drilled and set according to Article 584 of the Standard Specifications. Bars shall have a 9" minimum embedment depth.*
3. *Bars indicated thus 2x3-#5 etc. indicates 2 lines of bars with 3 lengths per line.*
4. *All construction joints between new and existing concrete shall be Bonded Construction Joints.*
5. *See sheet 28 of 73 for drainage details behind abutments.*
6. *See sheet 58 of 73 for Bill of Materials.*
7. *A film forming concrete sealer shall be applied to vertical surfaces to the designated area of all new and existing concrete.*

1 REVISED SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT PLAN AND ELEVATION (1 OF 2)
STRUCTURE NO. 016-0970 (SB)

SHEET 55 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531)BR 23	COOK	1211	873
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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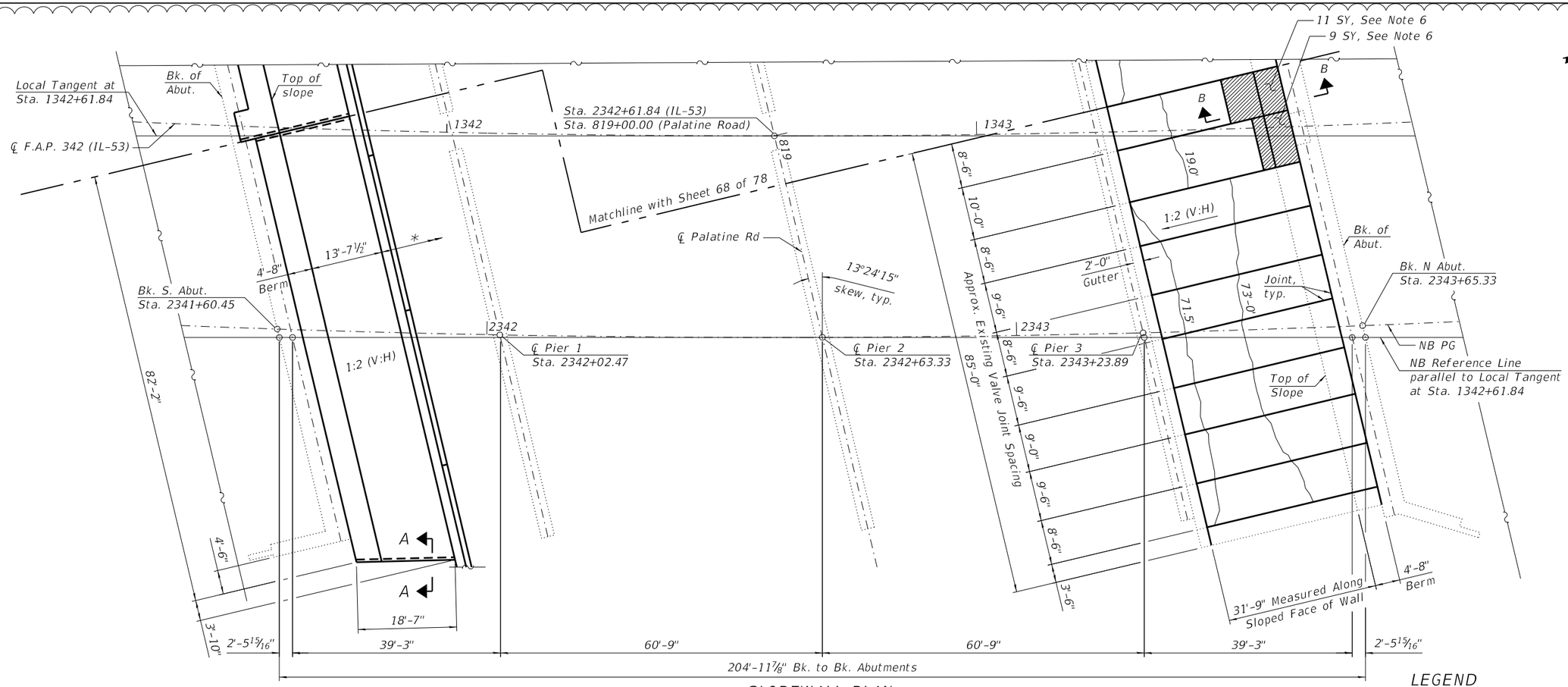


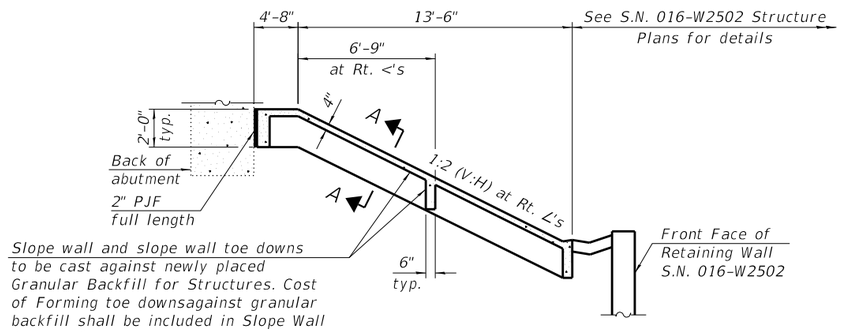
SLOPEWALL PLAN

* See S.N. 016-W2502 Structure Plans for details

LEGEND

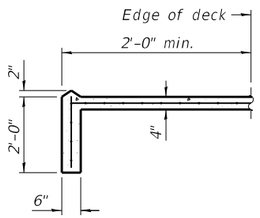
Length ' Slope Wall Crack Sealing

Slope Wall Repair

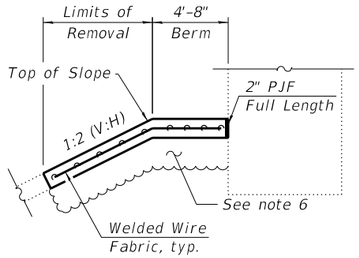


SECTION THRU CONCRETE SLOPEWALL 4"

(South Slope Wall)



SECTION A-A



SECTION B-B

(North Slope Wall)

BILL OF MATERIALS

Item	Unit	Total
Slope Wall 4 Inch	SQ YD	185
Granular Backfill for Structures	CY YD	7
Slope Wall Crack Sealing	FOOT	678.8
Slope Wall Repair	SQ YD	20

Notes:

1. Slope wall shall be reinforced with welded wire fabric, 6in. x 6in. - W4.0 x W4.0, weighing 58lbs. per 100 sq. ft.
2. Removal of the existing slope wall at the South Abutment will occur with the construction of the multi-use path retaining wall. See S.N. 016-W2502 structure plans for details.
3. Existing welded wire fabric shall extend 6" into the area of Slope Wall Repair. The exposed 6" of welded wire fabric on either side shall be lapped with the new slope wall reinforcement.
4. The cost of welded wire fabric shall be included in the cost of Slope Wall Repair or Slope Wall 4 Inch, per controlling detail.
5. The cost of Preformed Joint Filler 2" is included in the cost of Slope Wall Repair or Slope Wall 4 Inch, per controlling detail.
6. Voids underneath areas marked for Slope Wall Repair are to be filled with Granular Backfill for Structures to a level that will allow the replacement of appropriate thickness of base material per repair specifications. For bidding purposes the volume of voids has been estimated as 7.0 CY at this location, but the actual volume of material will be determined by the Contractor after slope wall removal and approved by the Engineer.

1 REVISED ENTIRE SHEET 10/31/2024

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JOLIET, ILLINOIS 60431
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PLOT DATE = 10/23/2024	CHECKED - BRL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTHBOUND SLOPE WALL REPAIR
STRUCTURE NO. 016-0373 (NB)

SHEET 67 OF 73 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531)BR 23	COOK	1211	885
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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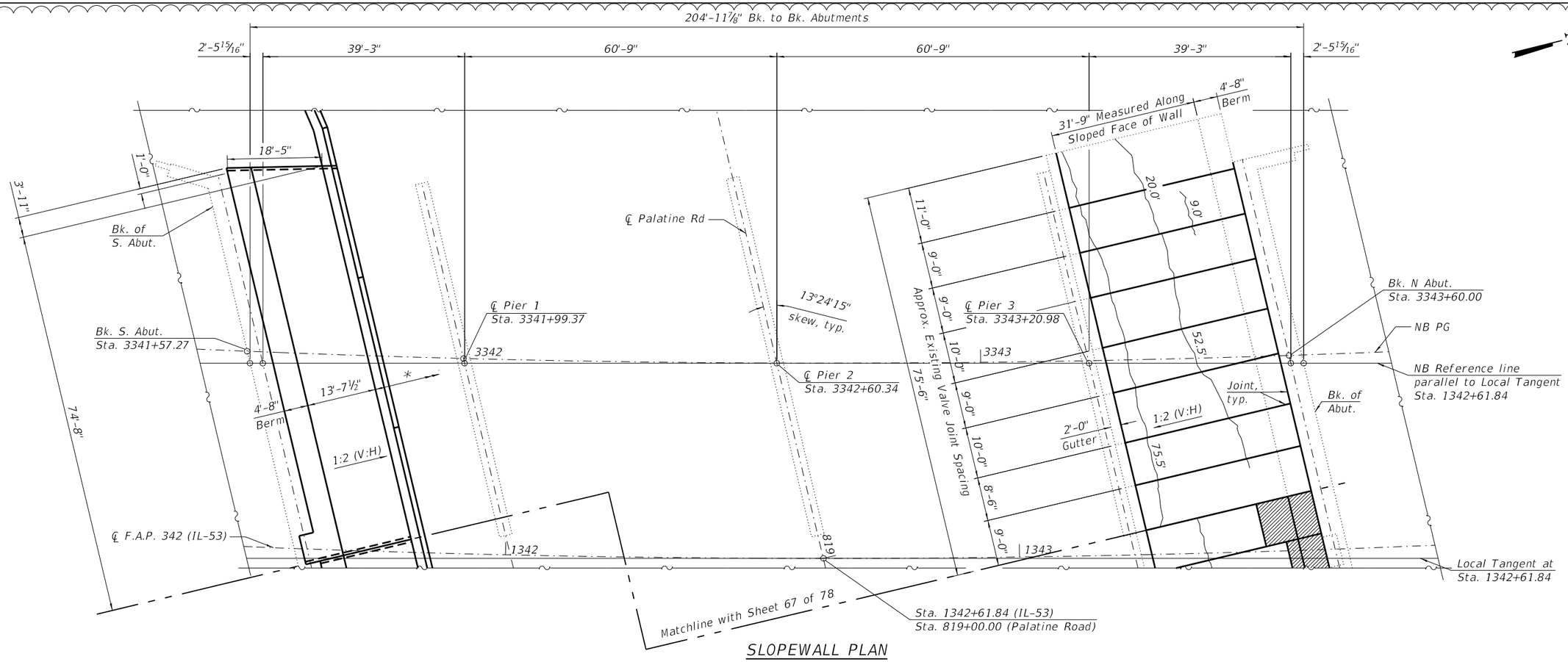
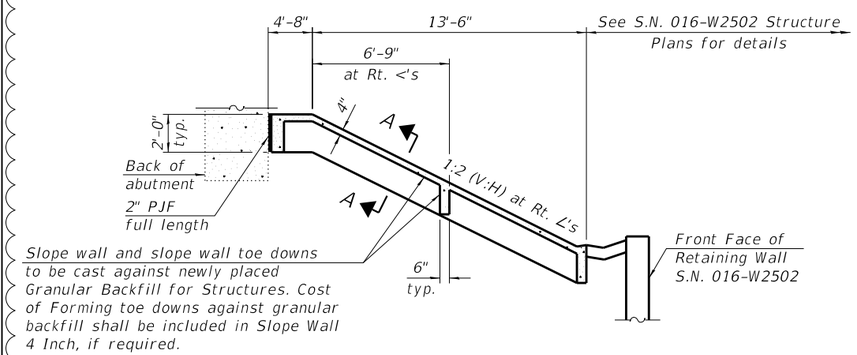


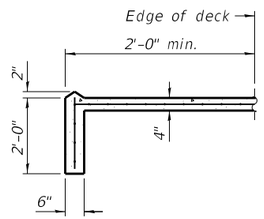
SLOPEWALL PLAN

* See S.N. 016-W2502 Structure Plans for details



SECTION THRU CONCRETE SLOPEWALL 4"

(South Slope Wall)



SECTION A-A

LEGEND

Length '

Slope Wall Crack Sealing

BILL OF MATERIALS

Item	Unit	Total
Slope Wall 4 Inch	SQ YD	171
Slope Wall Crack Sealing	FOOT	551.7

Notes:

1. Slope wall shall be reinforced with welded wire fabric, 6in. x 6in. – W4.0 x W4.0, weighing 58lbs. per 100 sq. ft.
2. Removal of the existing slope wall at the South Abutment will occur with the construction of the multi-use path retaining wall. See S.N. 016-W2502 structure plans for details.
3. Existing welded wire fabric shall extend 6" into the area of Slope Wall Repair. The exposed 6" of welded wire fabric on either side shall be lapped with the new slope wall reinforcement.
4. The cost of welded wire fabric shall be included in the cost of Slope Wall Repair or Slope Wall 4 Inch, per controlling detail.
5. The cost of Preformed Joint Filler 2" is included in the cost of Slope Wall Repair or Slope Wall 4 Inch, per controlling detail.

1 REVISED ENTIRE SHEET 10/31/2024

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = codyh	DESIGNED - BRL	REVISED - 1 10/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTHBOUND SLOPE WALL REPAIR STRUCTURE NO. 016-0970 (SB)	
	CHECKED - NDR	REVISED -			
PLOT SCALE = 0:2.0000 ':' / in.	DRAWN - CJH	REVISED -		SHEET 68 OF 73 SHEETS	
PLOT DATE = 10/23/2024	CHECKED - BRL	REVISED -			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531)BR 23	COOK	1211	886
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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Benchmark: BM 17 – Cut cross on the southwest corner of concrete foundation. Sta. 1345+43.01, 83.81' Right, Elev. 751.399.

Existing Structure: None.

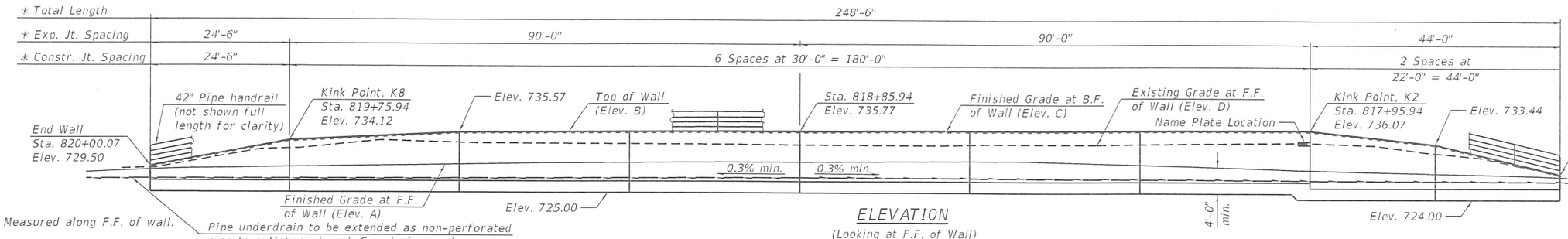
Traffic Control: Shoulder closures are required along Palatine Road and the access ramps to IL-53 during wall construction.

Salvage: None

LEGEND

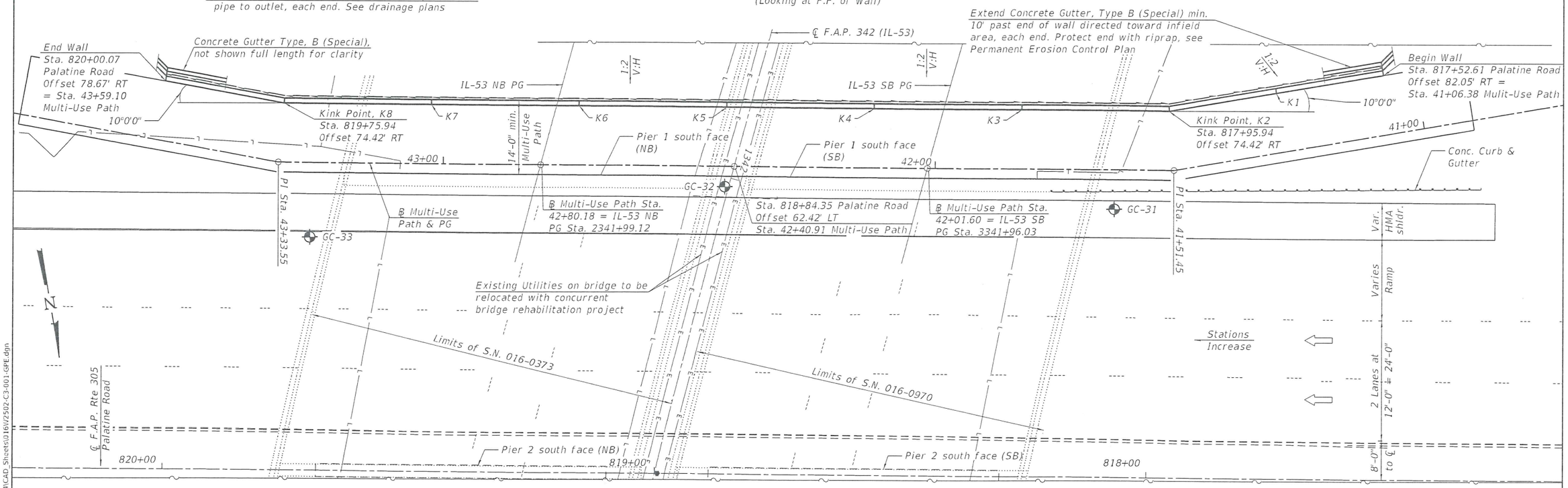
- Electric
- Pipe Underdrain for Structures, 4"
- Soil Boring

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures



* Measured along F.F. of wall.

ELEVATION
(Looking at F.F. of Wall)



PLAN

Notes:
1. Offsets are measured from ℄ F.A.P. Rte. 305 Palatine Road to the front face of wall.
2. F.F. = Front Face and B.F. = Back Face
3. Concrete Gutter, Type B (Special) and pipe underdrain not shown for clarity.
4. See sheet 4 of 10 for Elevations A, B, C, and D data.

STA. 817+52.61
RE-BUILT 20XX BY
STATE OF ILLINOIS
F.A.P. Rt. 342 (IL-53)
SEC. (531) BR 23
STR. NO. 016-W2502

NAME PLATE
(See Std. 515001)

NATHAN D. RICK
081-005819
LICENSED STRUCTURAL ENGINEER
OF
ILLINOIS

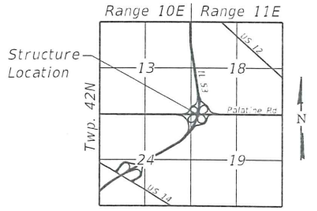
Nathan D. Rick, S.E.
Licensed Structural Engineer
State of Illinois No. 081-007039
Registration Expires 11/30/2024
Date: 10/14/2024

DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition with Interims

DESIGN STRESSES
FIELD UNITS

f'c = 3,500 psi (Substructure)
fy = 60,000 psi (Reinforcement)

1 REVISED SHEET 10/31/2024



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
RETAINING WALL ALONG F.A.P. RTE 305 (PALATINE ROAD) UNDER F.A.P. 342 (IL-53)
SECTION (531) BR 23
COOK COUNTY
STA. 817+52.61 TO STA. 820+00.07
STRUCTURE NO. 016-W2502

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = codyh	DESIGNED - JAS	REVISED -	
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PLOT DATE = 10/14/2024	CHECKED - NDR	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-W2502
SHEET 1 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(531) BR 23	COOK	1211	898
		CONTRACT NO. 62W38		
	ILLINOIS	FED. AID PROJECT		

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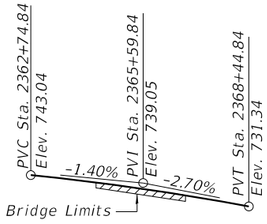
10/14/2024 10:47:38 AM

Benchmark: TBM 26 – Cut cross on the eastern side of sign concrete foundation (West Palatine ¼ Mile) on west side of southbound IL 53. Elev. 730.60.

Existing Structure: Structure Number 016-0372, built in 1965 under FA Rte. 61, Section 531-3HB-1, carrying IL 53 over Anderson Drive, is a single span precast, prestressed concrete I-beam structure with back to back of abutment length of 52'-2" and out to out width of 122'-0". The bridge is on a left forward skew of 09°06'00". The bridge is supported on closed abutments on spread footing foundations.

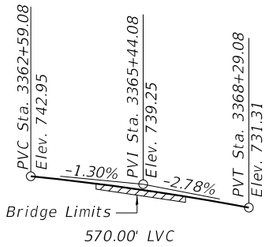
Traffic to be maintained using stage construction.

No salvage



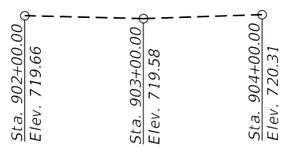
PROFILE GRADE – N.B. IL 53

The Profile Grade shows the final grade after grinding.



PROFILE GRADE – S.B. IL 53

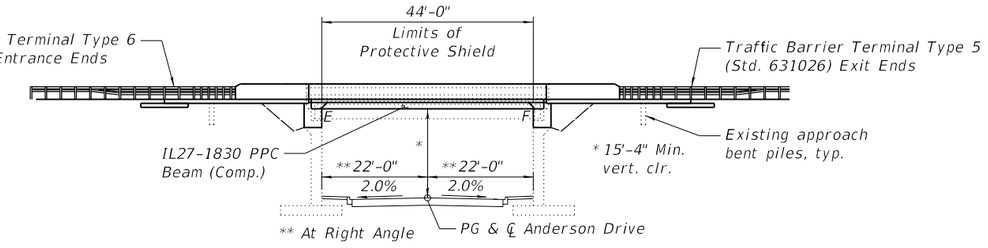
The Profile Grade shows the final grade after grinding.



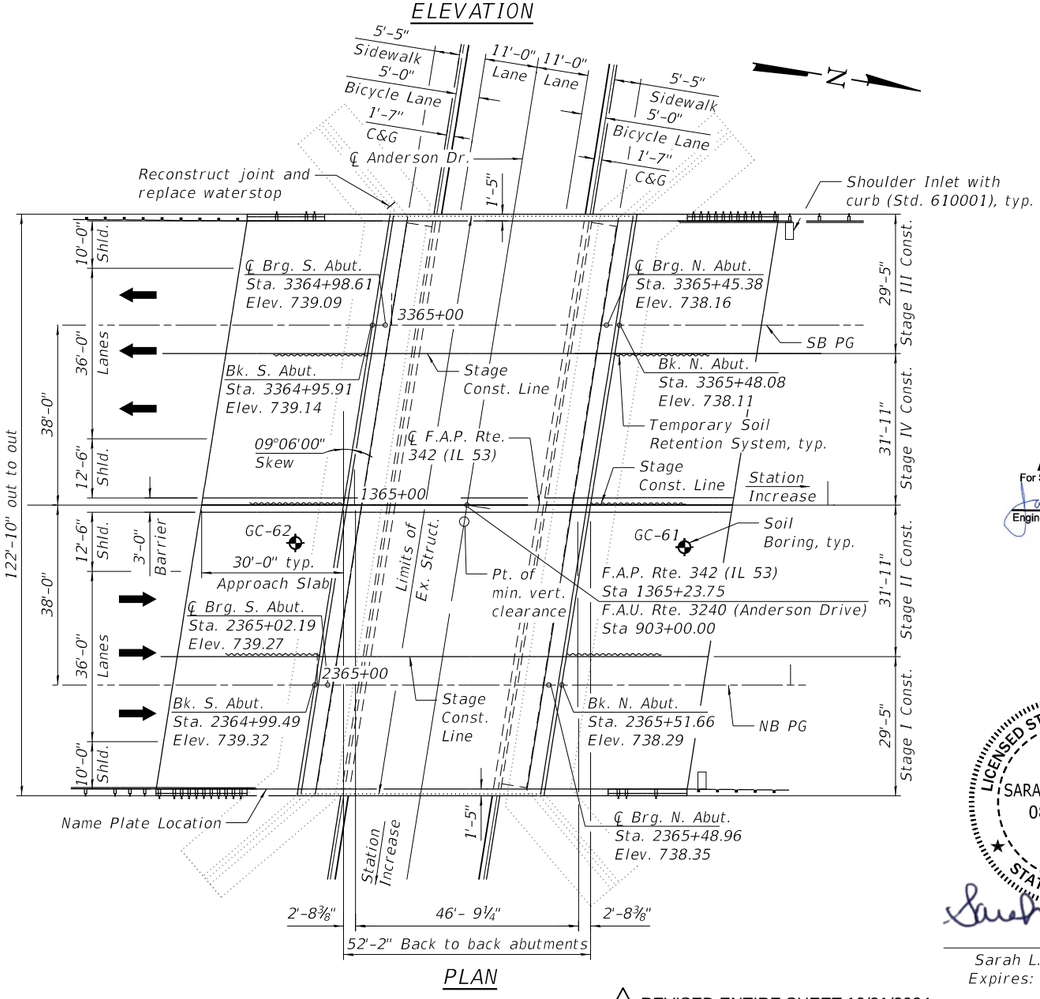
PROFILE GRADE – ANDERSON DRIVE

(Along ℄ Anderson Drive)

Note:
Up to ¼" to be ground off the bridge deck and the approach slabs. The Profile Grade shows the final grade after grinding.



ELEVATION



PLAN

LOADING HL-93

Allow 50 #/sq. ft. for future wearing surface.

SCOPE OF WORK

1. Remove existing superstructure, bearings and approach slabs.
2. Modify existing abutments to semi-integral.
3. Construct new bearings and superstructure consisting of PPC I-Beam and concrete deck slab.
4. Construct new approach slabs.
5. Repair abutments with formed concrete repairs and epoxy crack sealing.
6. Reconstruct joint between south abutment and southwest wingwall.

SEISMIC DATA

Seismic Retrofit Category (SRC) = A
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.081g
Design Spectral Acceleration at 0.2 sec. (SDS) =0.140g
Soil Site Class = D
Performance Level – PL1

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)
f'c = 4,000 psi (Superstructure)
f'c = 3,500 psi (Substructure)
fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS (NEW CONSTRUCTION)
f'c = 8,500 psi
f'ci = 6,500 psi
fpu = 270,000 psi (0.6" low lax. strands)
fpbt = 202,300 psi (0.6" low lax. strands)

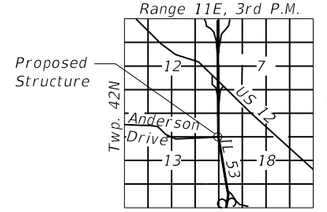
FIELD UNITS (EXISTING CONSTRUCTION)
fc = 1,000 psi (Substructure)
fs = 20,000 psi (Reinforcement)

DESIGN SPECIFICATIONS

NEW CONSTRUCTION
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

EXISTING CONSTRUCTION
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition
2006 FHWA Seismic Retrofitting Manual for Highway Structures

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures



LOCATION SKETCH

LICENSED STRUCTURAL ENGINEER
SARAH L. CZAPLICKI
081.006191
STATE OF ILLINOIS
09/20/2024

Sarah L. Czaplicki, PE, SE
Expires: November 30, 2024

GENERAL PLAN AND ELEVATION
IL 53 OVER ANDERSON DRIVE
F.A.P. RTE. 342 – SEC. (531) BR 23
COOK COUNTY
STATION 1365+23.75
STRUCTURE NO. 016-0372

1 REVISED ENTIRE SHEET 10/31/2024

CZAPLICKI LOPEZ, PLLC
201 KENMARE DRIVE
BURR RIDGE, ILLINOIS 60527
630-915-8861
DESIGN FIRM NO: 184.008135

USER NAME	=	DESIGNED	- PAF	REVISED	-
		CHECKED	- CSP	REVISED	-
PLOT SCALE	=	DRAWN	- SVJ	REVISED	-
PLOT DATE	=	CHECKED	- PAF	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 38 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	(531) BR 23	COOK	1211	914
		CONTRACT NO. 62W38		
		ILLINOIS	FED. AID PROJECT	

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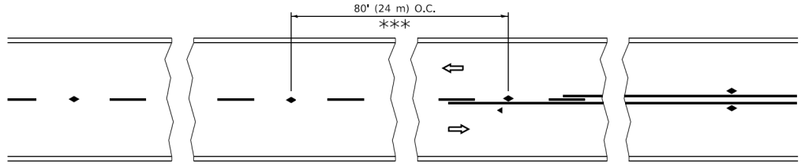
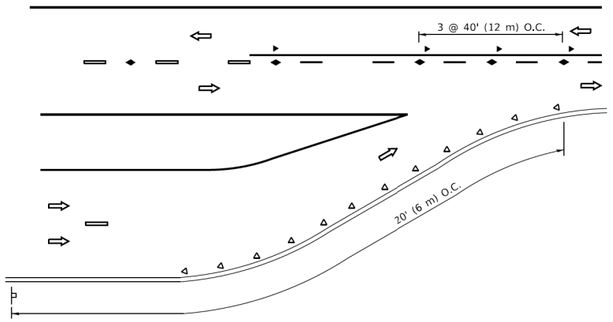


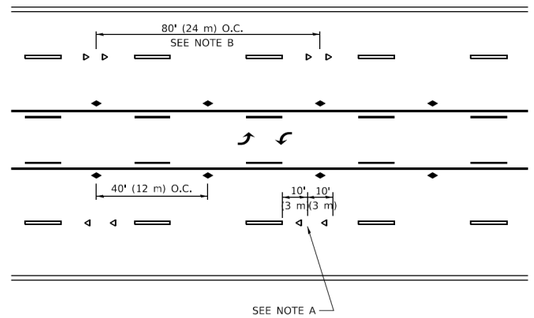
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

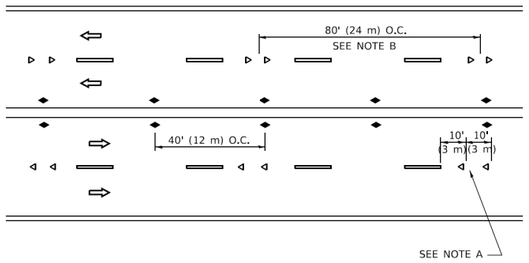
SEE FIGURE 3B-14 MUTCD

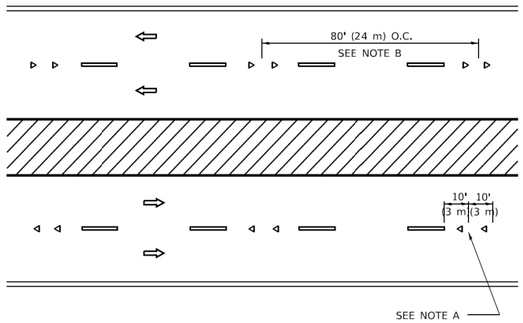


LANE REDUCTION TRANSITION

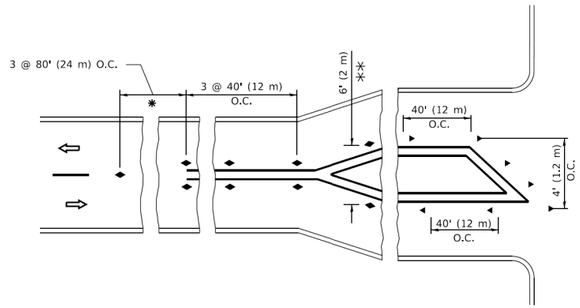


TWO–WAY LEFT TURN

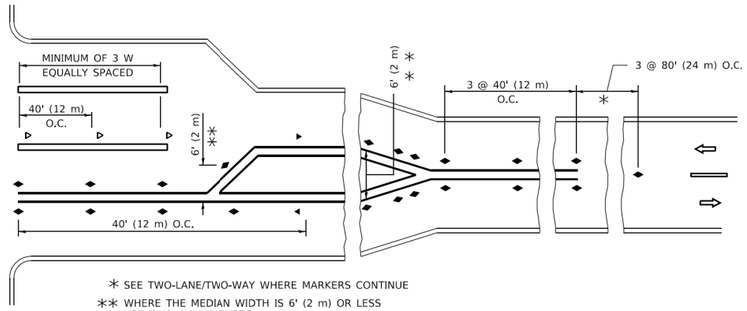




MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

1 ADDED ENTIRE SHEET 10/31/2024

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = footemj	DESIGNED -	REVISED	- T. RAMMACHER 03-12-99
	DRAWN -	REVISED	- T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED	- C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED	- C. JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1211	959A
	TC-11	CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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tc11.dgn 3/4/2019 10:29:08 AM User:footemj

ROUTE MARKERS

30 — FOR U.S. ROUTES M1-40-2424

ILL 53 — FOR ILLINOIS ROUTES M1-50-2424

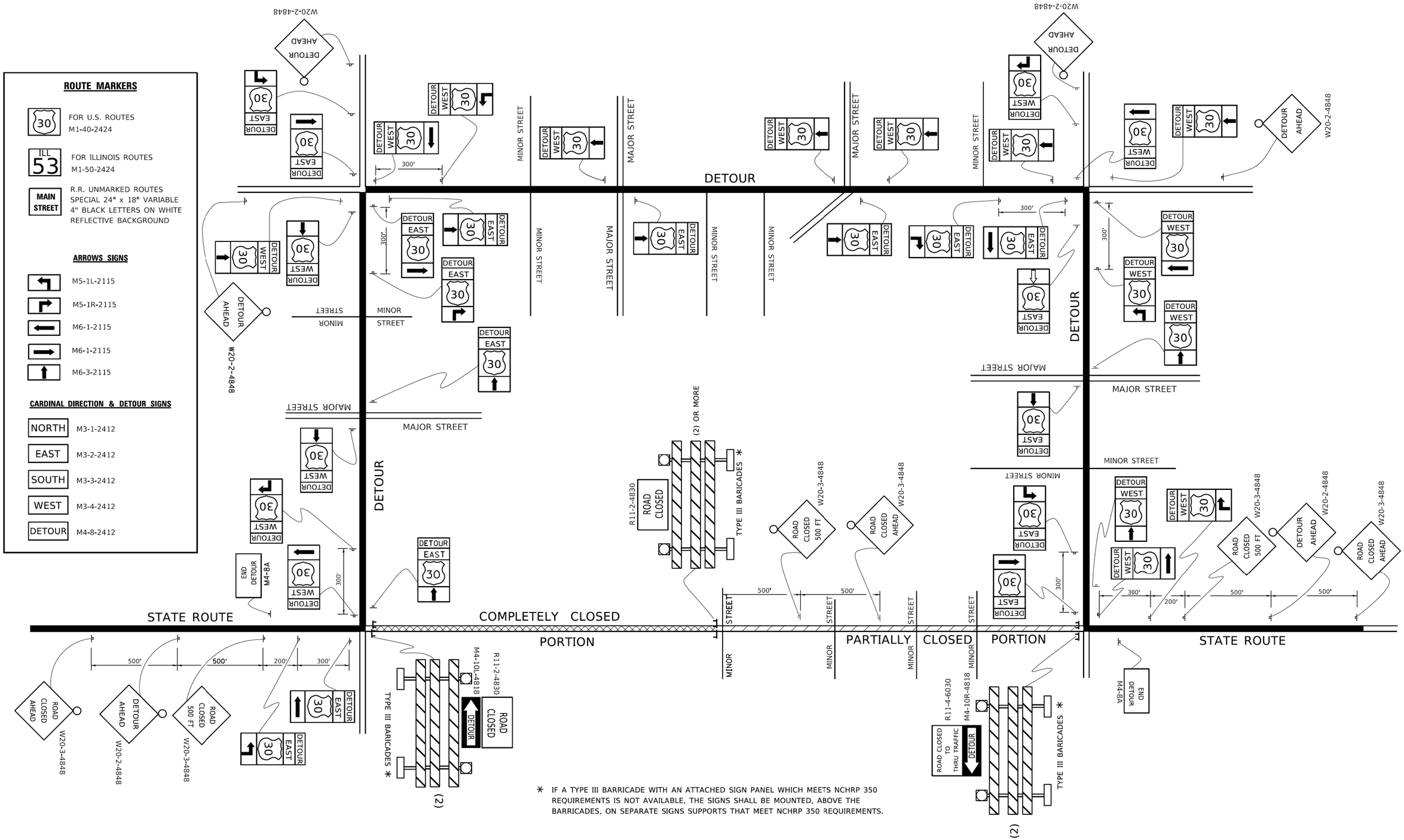
MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

NORTH	M3-1-2412
EAST	M3-2-2412
SOUTH	M3-3-2412
WEST	M3-4-2412
DETOUR	M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

1 ADDED ENTIRE SHEET 10/31/2024

USER NAME = footemj	DESIGNED -	REVISED - 10-18-02	
	DRAWN -	REVISED - R. BORO 09-14-09	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1211	966A
	TC-21	CONTRACT NO. 62W38		
	ILLINOIS FED. AID PROJECT			

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tc21.dgn 3/4/2019 10:46:33 AM User:cfootem