

GENERAL NOTES

1. SEVENTY-TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 1-800-892-0123 OR 811 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.
2. A MINIMUM OF SEVENTY-TWO HOURS PRIOR TO ANY PLACEMENT OR RELOCATION OF MAINTENANCE OF TRAFFIC DEVICES, CONTACT ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) DISTRICT 1 BUREAU OF TRAFFIC.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM WORK.
4. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND THE SUE SURVEYS. ALL UNDERGROUND UTILITIES MUST BE CONSIDERED APPROXIMATE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTORS EXPENSE.
6. THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITIES IN ADVANCE OF WORKING IN THE VICINITY OF THEIR FACILITIES, AND ALLOW SUFFICIENT TIME FOR THEM TO PREFORM ADJUSTMENTS TO THEIR FACILITIES IN ACCORDANCE WITH THE CONTRACTORS SCHEDULE. COORDINATION EFFORTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT BID PRICE.
7. THE CONTRACTOR MUST CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.
8. ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE DONE TO SAID SERVICES NOT CONSIDERED TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
10. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
11. ALL ELEVATIONS REFER TO USGS MEAN SEA LEVEL DATUM.
12. THE PAVEMENT ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
13. 10 FT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD. UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
14. THE COST OF FULL OR PARTIAL DEPTH SAW CUTS REQUIRED FOR REMOVAL ITEMS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ITEM.
15. THE ACTUAL NEED FOR AGGREGATE SUBGRADE IMPROVEMENT SHALL BE DETERMINED IN THE FIELD FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT 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 CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
16. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND SPECIFICATIONS FOR REINFORCEMENT, DOWELL BARS AND THE TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
17. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE BISIBILITY TO THE MOTORING PUBLIC, AIR TRAFFIC AND ADJOINING COMMERCIAL AREAS.
18. BARRICADES, TYPE I, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.
19. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
20. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
21. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT LOWER LIFT SHALL BE CS1 OR RR1.
22. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ARTICLE 550.07(B,C) OF THE SSRBC WILL NOT BE ALLOWED.
23. THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, WALTER CZARNY, VIA EMAIL AT WALTER.CZARNY@ILLINOIS.GOV AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
24. THE RESIDENT ENGINEER WILL CONTACT THE FOREST PRESERVE DISTRICT OF KANE COUNTY (JOHN GORETH, DIRECTOR OF OPERATIONS 630-232-5983) AND THE FOREST PRESERVE DISTRICT OF COOK COUNTY (ARNOLD RANDALL, GENERAL SUPERINTENDENT, 800-870-3666) PRIOR TO THE START OF CONSTRUCTION TO INFORM THEM OF THE INITIATION OF CONSTRUCTION ACTIVITIES NEAR THEIR PROPERTIES.
25. 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 ADDITION 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.
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. THE MEDIAN SHOULDER SHALL DRAIN AWAY FROM THE MEDIAN ON THE BRIDGES AND TRANSITION TO DRAINING TOWARD THE MEDIAN ON THE ROADWAY OVER 25FT STARTING AT THE LIMITS OF THE PAVEMENT CONNECTOR FOR BRIDGE APPROACH SLAB.
28. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H) WITH WRITTEN APPROVAL FROM THE ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MIN. 1:3 (V:H).
29. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF ELGIN.
30. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
31. EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
32. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171 TO SCHEDULE A WALK THROUGH TO DETERMINE TREE PROTECTION, TREE REMOVAL, SELECTIVE CLEARING, AND OTHER FORESTRY WORK A MINIMUM OF 14 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL TREE PROTECTION, TREE REMOVAL, SELECTIVE CLEARING, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ROADSIDE DEVELOPMENT UNIT.
33. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS/BODY OF WATER. PHOSPHORUS WOULD BE DETRIMENTAL TO THE QUALITY OF THE GROUNDWATER AND WOULD ADVERSELY AFFECT THE CONDITIONS WITHIN THE BLUFF SPRINGS FEN CLASS 3 GROUNDWATER RECHARGE AREA, NEARBY WETLANDS, POPLAR CREEK, AND FOX RIVER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
34. TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF THE TREES, SHRUBS, AND LANDSCAPED BEDS WITHIN THE LIMITS OF CONSTRUCTION DESIGNATED TO REMAIN TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED, OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
GENERAL NOTES**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U83	

REVISED SHEET 6/4/2024

GENERAL NOTES (CONT'D)

- 35. THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND NO INTRUSION, THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES, AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.
- 36. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE SEEDING.
- 37. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, TO SCHEDULE LAYOUT OF AREAS TO BE TREATED WITH HERBICIDE AT LEAST 7 DAYS PRIOR TO THE APPLICATION.
- 38. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL SECTIONS OF THE ILLINOIS CUSTOM SPRAY LAW, INCLUDING LICENSING. CONTRACTOR PERSONNEL APPLYING HERBICIDES SHALL HAVE A VALID PESTICIDE APPLICATOR LICENSE ISSUED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE. THE LICENSED PESTICIDE APPLICATOR SHALL SUBMIT THEIR CURRENT LICENSE TO THE ENGINEER. THE LICENSED PESTICIDE APPLICATOR SHALL BE QUALIFIED AT A MINIMUM IN RIGHT-OF-WAY AND AQUATICS. THE LICENSED APPLICATOR SHALL WORK ON-SITE.


COMMITMENTS

- 1. PROVIDE A SHIELD UNDER THE US 20 BRIDGE OVER POPLAR CREEK DURING CONSTRUCTION TO PREVENT CONSTRUCTION DEBRIS FROM FALLING INTO POPLAR CREEK TO AVOID POTENTIAL IMPACTS TO MOTTLED CULPIN AND BLUFF SPRINGS FEN NP/INAI.
- 2. ANY DISTURBED GROUND ALONG EAST END OF THE NORTH SIDE OF WESTBOUND US 20 AT THE VILLA STEET/US 20 INTERCHANGE IN THE NOISE WALL AREA SHALL BE RESEEDED WITH NATIVE PRAIRIE MIXES SUCH AS IDOT CLASS 4 OR 5, AS APPROPRIATE TO PROTECT THE RUSTY PATCHED BUMBLEBEE (RPBB)
- 3. NO CONSTRUCTION STAGING/EQUIPMENT STAGING SHALL OCCUR AT THE US 20 AND VILLA STREET INTERCHANGE DURING CONSTRUCTION TO PROTECT THE RUSTY PATCHED BUMBLE BEE.
- 4. NO REMOVAL OF TREES MEASURING THREE (3) INCHES IN DIAMETER OR GREATER AT BREAST HEIGHT SHALL OCCUR BETWEEN APRIL 1 AND SEPTEMBER 30 OF ANY GIVEN YEAR TO CONSERVE THE THREATEN AND ENDANGERED NORTHERN LONG-EARED BAT (NLEB).
- 5. ALL NECESSARY BMPS SHALL BE IMPLEMENTED TO ENSURE THAT THE QUALITY AND QUANTITY OF THE GROUNDWATER NOT ADVERSELY AFFECT THE CONDITIONS WITHIN THE BLUFF SPRINGS FEN CLASS 2 GROUNDWATER RECHARGE AREA.


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. RAILROAD UTILITIES ARE NOT INCLUDED UNDER JULIE. CALL CANDICE MILLER AT (312) 496-4738 FOR LOCATES.
- 8. FIBER OPTICS MAY BE PRESENT IN THIS AREA. CALL (800) 336-9193 TO COORDINATE ANY REQUIRED PROTECTION OR RELOCATION, PRIOR TO CONSTRUCTION.
- 9. RAILROAD REVIEW AND APPROVAL OF SHORING, DEMOLITION, ERECTION, AND FALSEWORK IS REQUIRED.
- 10. 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.
- 11. 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.
- 12. FALSEWORK CLEARANCE SHALL COMPLY WITH THE RAILROAD'S MINIMUM CONSTRUCTION CLEARANCE ENVELOPE.
- 13. FOR RAILROAD COORDINATION PLEASE REFER TO THE RAILROAD MINIMUM REQUIREMENTS AS PART OF SPECIAL PROVISIONS.
- 14. THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SETTLEMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.
- 15. THE PROPOSED GRADE SEPARATION PROJECT SHALL NOT CHANGE THE QUANTITY AND/OR CHARACTERISTICS OF THE FLOW IN THE RAILROAD DITCHES AND/OR DRAINAGE STRUCTURES.
- 16. 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.

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 REVISED SHEET 6/4/2024



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
GENERAL NOTES**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	4
CONTRACT NO. 62U83				
ILLINOIS		FED. AID PROJECT		

				CONSTRUCTION CODE										
				80% FEDERAL, 20% STATE										
				KANE COUNTY						COOK COUNTY				
ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0047 SN 045-0004	BRIDGE 0047 SN 045-0005	BRIDGE 0013 SN 045-0006	BRIDGE 0013 SN 045-0007	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0013 SN 016-0217	
* 60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	3	3										
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	41	41										
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1,227	1,227										
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	625					198	215				212	
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1										
60201005	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 10 FRAME AND GRATE	EACH	1	1										
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2										
60201310	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	2	2										
60208210	CATCH BASINS, TYPE C, TYPE 20 FRAME AND GRATE	EACH	2	2										
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2										
60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	EACH	2	2										
60250200	CATCH BASINS TO BE ADJUSTED	EACH	4	4										
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1										
60500040	REMOVING MANHOLES	EACH	1	1										



* SPECIALTY ITEMS

REVISED SHEET 6/4/2024



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20: GRACE STREET TO SHALES PARKWAY
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 7 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	11
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

				CONSTRUCTION CODE										
				80% FEDERAL, 20% STATE										
				KANE COUNTY						COOK COUNTY				
ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0047 SN 045-0004	BRIDGE 0047 SN 045-0005	BRIDGE 0013 SN 045-0006	BRIDGE 0013 SN 045-0007	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0013 SN 016-0217	
63700900	CONCRETE BARRIER BASE	FOOT	2,409	858									1,551	
63800920	MODULAR GLARE SCREEN SYSTEM TEMPORARY	FOOT	7,600	4,100									3,500	
66405700	CHAIN LINK GATES, 4' X10' DOUBLE	EACH	1	1	⚠									
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	17,800										17,800	
66400105	CHAIN LINK FENCE, 4'	FOOT	1,986	1,277	⚠								709	
66406000	CHAIN LINK GATES, 4' X16' DOUBLE	EACH	1	1	⚠									
67100100	MOBILIZATION	L SUM	1	0.5									0.5	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	6,815	4,770									2,045	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	4									2	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.5									0.5	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.5									0.5	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	77	50									27	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	163	82									81	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	980	490									490	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	39,699	4,029									35,670	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	82,144	33,303									48,841	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" PAINT	FOOT	39,699	4,029									35,670	

* SPECIALTY ITEMS

⚠ REVISED SHEET 6/4/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20: GRACE STREET TO SHALES PARKWAY
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	13
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

				CONSTRUCTION CODE										
				80% FEDERAL, 20% STATE										
				KANE COUNTY						COOK COUNTY				
ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0047 SN 045-0004	BRIDGE 0047 SN 045-0005	BRIDGE 0013 SN 045-0006	BRIDGE 0013 SN 045-0007	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0013 SN 016-0217	
* 83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	20		12							8		
* 83057435	LIGHT POLE, WOOD, 80 FOOT, CLASS 3, WITH 15 FT MAST ARM	EACH	12		8							4		
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	EACH	18		18									
* 83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	18		10							8		
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	20		12							8		
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	12		8							4		
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	16		15							1		
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	8		7							1		
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1		1									
* 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2		2									
* 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2		2									
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,675		6,225							450		
K1005863	TREE ROOT PRUNING	EACH	25	3							22			
X0301423	NOISE ABATEMENT WALL, GROUND MOUNTED	SQ FT	105,740		38,477								67,263	
X0323491	SLOPE WALL CRACK SEALING	FOOT	128							128				

* SPECIALTY ITEMS

REVISED SHEET 6/4/2024



USER NAME = radan	DESIGNED -	REVISED -
PLOT SCALE = 18.333' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2024	CHECKED -	REVISED -
	DATE = 3/20/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20: GRACE STREET TO SHALES PARKWAY
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 14 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	18
			CONTRACT NO. 62U83	
ILLINOIS FED. AID PROJECT				

				CONSTRUCTION CODE										
				80% FEDERAL, 20% STATE										
				KANE COUNTY						COOK COUNTY				
ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0047 SN 045-0004	BRIDGE 0047 SN 045-0005	BRIDGE 0013 SN 045-0006	BRIDGE 0013 SN 045-0007	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0013 SN 016-0217	
X0324013	NOISE ABATEMENT WALL, STRUCTURE MOUNTED	SQ FT	6,806			6,806								
X0324587	NOISE ABATEMENT WALL ANCHOR ROD ASSEMBLY	EACH	113	23				48	42					
* X1200007	TEMPORARY WOOD POLE, 80 FEET, CLASS 4	EACH	3		3									
X2010100	TREE LIMB REMOVAL (4 TO 10 INCHES DIAMETER)	EACH	15	2						13				
X2020114	GRADING AND SHAPING DITCHES (SPECIAL)	FOOT	3,772							3,772				
X2010200	TREE LIMB REMOVAL (OVER 10 INCHES DIAMETER)	EACH	15	2						13				
X5017305	PROTECTIVE SHIELD (PERMANENT)	SQ YD	101			101								
X2010350	TREE REMOVAL, ARCES (SPECIAL)	ACRE	12	1						11				
X5021512	COFFERDAM (TYPE 1) (IN STREAM/WETLAND WORK)	EACH	2										2	
X2010512	CLEARING AND GRUBBING	EACH	500	97						403				
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,662					1,662						
X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	2.81	0.04						2.77				
X5080530	BAR TERMINATORS	EACH	2,297					1,274	517				506	
X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	2.81	0.04						2.77				
□ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	447							447				
X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	1.31	0.07						1.24				
□ X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	495							495				
X2503000	MAINTENANCE MOWING	ACRE	25	5.79						19.21				
□ X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	358							358				
X2503110	MOWING (SPECIAL)	ACRE	15	3.47						11.53				
X6025604	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	2	2										
X2510635	HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)	SQ YD	10,967							10,967				
X6420100	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	9,100	2,240						6,860				
X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	33,247	7,708						25,539				
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	22	11						11				
X6025300	CATCH BASIN TO BE ADJUSTED (SPECIAL)	EACH	8	8										

* SPECIALTY ITEMS

△ REVISED SHEET 6/4/2024

□ NON-PART 100% STATE

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USER NAME = radan	DESIGNED -	REVISED -
PLOT SCALE = 18.333' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2024	CHECKED -	REVISED -
	DATE = 3/20/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20: GRACE STREET TO SHALES PARKWAY
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	19
CONTRACT NO. 62U83			ILLINOIS FED. AID PROJECT	

REV-SEP

				CONSTRUCTION CODE										
				80% FEDERAL, 20% STATE										
				KANE COUNTY						COOK COUNTY				
ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0047 SN 045-0004	BRIDGE 0047 SN 045-0005	BRIDGE 0013 SN 045-0006	BRIDGE 0013 SN 045-0007	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	NOISE BARRIERS 0020 URBAN	BRIDGE 0013 SN 016-0217	
Z0016702	DETOUR SIGNING	L SUM	1	0.5						0.5				
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	21					18					3	
Z0018004	DRAINAGE SCUPPERS, DS-12	EACH	4						4					
Z0022800	FENCE REMOVAL	FOOT	4,075		2,878						1,197			
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,746					1,746						
Z0029604	HEADWALL REMOVAL	EACH	1	1										
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	85	64						21				
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	32		20						12			
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18		9						9			
Z0034105	MATERIAL TRANSFER DEVICE	TON	4,689	829						3,860				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1			1								
Z0062456	TEMPORARY PAVEMENT	SQ YD	1,912	1,025						887				
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	4					2	2					
Z0064800	SELECTIVE CLEARING	UNIT	4	1						3				
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2										
Z0076600	TRAINEES	HOURS	1000	1000										
Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	1000	1000										

4,075 2,878



* SPECIALTY ITEMS

⚠ REVISSED SHEET 6/4/2024

0042

MODEL: Default; FILE NAME: p:\projects\paw_bentley.com\paw-01\Documents\Projects\8096\Project_Working\A_CADD\2024\8096\Contract_Sheets\012024\8096_SFT_500.dgn



USER NAME = radan	DESIGNED -	REVISED -
PLOT SCALE = 18.333' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2024	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	21
			CONTRACT NO. 62U83	
ILLINOIS FED. AID PROJECT				

SCALE: NTS SHEET 17 OF 17 SHEETS STA. TO STA.

REV-SEP

Station	US-20 Stage 1 (Eastbound Removal)						US-20 Stage 2 (Westbound Removal)						US-20 Total					
	Topsoil Excavation (CU YD)	Topsoil Placement (CU YD)	Earth Excavation (CU YD)	Excavation Used In Embankment (Adj. For Shrinkage) 15% (CU YD)	Embankment (CU YD)	Earthwork Waste (+) or Shortage (-) (CU YD)	Topsoil Excavation (CU YD)	Topsoil Placement (CU YD)	Earth Excavation (CU YD)	Excavation Used In Embankment (Adj. For Shrinkage) 15% (CU YD)	Embankment (CU YD)	Earthwork Waste (+) or Shortage (-) (CU YD)	Topsoil Excavation (CU YD)	Topsoil Placement (CU YD)	Earth Excavation (CU YD)	Excavation Used In Embankment (Adj. For Shrinkage) 15% (CU YD)	Embankment (CU YD)	Earthwork Waste (+) or Shortage (-) (CU YD)
1412+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1412+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1412+93.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1413+00.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.04	0.00	0.00	0.00	1.30	1.04	0.00	0.00	0.00	0.00	0.00
1413+50.00	0.00	0.00	0.00	0.00	0.00	0.00	9.26	7.41	0.00	0.00	0.00	9.26	7.41	0.00	0.00	0.00	0.00	0.00
1414+00.00	0.00	0.00	0.00	0.00	0.00	0.00	9.26	7.41	0.00	0.00	0.00	9.26	7.41	0.00	0.00	0.00	0.00	0.00
1414+50.00	1.94	0.24	0.53	0.45	0.00	0.45	9.76	7.67	0.71	0.60	0.60	11.70	7.92	1.24	1.06	0.00	1.05	1.05
1415+00.00	21.18	17.73	14.86	12.63	12.94	-0.31	30.19	23.05	20.80	17.68	0.04	51.36	40.78	35.66	30.31	12.98	17.33	17.33
1415+50.00	23.88	22.87	123.12	104.65	40.69	63.97	24.92	15.55	135.56	115.23	0.30	48.79	38.42	258.68	219.88	40.99	178.89	178.89
416+00.00	27.43	28.31	87.91	74.72	31.56	43.16	33.04	27.58	106.70	90.69	15.77	60.47	55.89	194.61	165.42	47.34	118.08	118.08
416+34.14	18.35	19.00	40.96	34.82	41.57	-6.75	24.46	22.56	45.61	38.77	35.94	42.81	41.56	86.57	73.59	77.51	-3.92	-3.92
416+50.00	8.71	9.08	15.86	13.48	14.30	-0.81	12.37	11.24	20.91	17.77	18.35	21.08	20.31	36.77	31.25	32.64	-1.39	-1.39
419+00.00	87.61	81.94	487.27	414.18	194.84	219.35	141.48	133.28	497.82	423.15	320.32	229.09	215.22	985.10	837.33	515.16	322.18	322.18
419+50.00	29.53	23.25	21.11	17.94	126.49	-108.54	49.26	42.87	26.58	22.59	169.23	78.79	66.12	47.69	40.53	295.72	-255.19	-255.19
420+00.00	36.23	31.11	25.34	21.54	119.11	-97.57	42.88	38.49	34.43	29.27	132.26	79.11	69.60	59.77	50.81	251.37	-200.57	-200.57
422+50.00	75.83	72.31	90.82	77.20	235.23	-158.03	60.62	58.90	53.29	45.29	220.11	136.45	131.21	144.10	122.49	455.33	-332.85	-332.85
423+00.00	28.74	27.59	34.20	29.07	18.11	10.96	44.46	41.58	0.03	0.03	44.84	73.20	69.17	34.23	29.10	62.95	-33.86	-33.86
423+50.00	27.05	25.95	30.37	25.82	0.00	25.82	38.98	36.78	0.44	0.37	21.90	66.03	62.73	30.81	26.19	21.90	4.29	4.29
424+00.00	26.58	25.51	29.71	25.25	0.00	25.25	53.70	51.76	1.99	1.69	0.87	80.28	77.26	31.69	26.94	0.87	26.07	26.07
424+11.63	6.44	7.01	7.01	5.96	0.00	5.96	20.43	20.22	0.00	0.00	0.07	27.15	26.66	7.01	5.96	0.07	5.89	5.89
424+50.00	21.53	20.54	23.30	19.80	0.00	19.80	1.92	1.73	0.10	0.09	0.00	23.45	22.27	23.40	19.89	0.00	19.89	19.89
424+72.58	7.32	6.69	15.09	12.82	0.00	12.82	18.26	9.63	37.66	32.01	1.57	25.59	16.32	52.74	44.83	1.57	43.27	43.27
425+00.00	7.53	6.69	19.70	16.75	0.46	16.29	18.02	11.39	26.28	22.34	1.44	25.55	18.08	45.98	39.08	1.90	37.19	37.19
425+50.00	13.74	11.91	23.95	20.36	1.59	18.77	24.94	17.20	49.56	42.13	3.73	38.68	29.11	73.51	62.49	5.33	57.16	57.16
426+00.00	20.07	18.04	10.02	8.52	1.16	7.36	21.79	17.48	23.38	19.87	0.86	41.86	35.52	33.40	28.39	2.02	26.37	26.37
426+50.00	24.55	22.41	8.99	7.64	1.01	6.63	9.26	7.41	0.01	0.01	0.93	33.81	29.82	9.00	7.65	1.95	5.71	5.71
427+00.00	23.48	21.27	11.57	9.84	0.34	9.49	9.26	7.41	1.46	1.24	0.00	32.74	28.68	13.03	11.08	0.34	10.73	10.73
427+50.00	16.74	13.19	4.63	3.94	0.29	3.65	9.26	7.41	1.31	1.12	0.00	26.00	20.59	5.95	5.06	0.29	4.77	4.77
428+00.00	18.39	14.73	6.88	5.85	0.26	5.59	9.26	7.41	0.03	0.03	1.39	27.65	22.14	6.91	5.88	1.65	4.23	4.23
428+50.00	11.17	9.47	6.15	5.23	0.58	4.65	0.00	0.00	0.03	0.02	1.91	11.17	9.47	6.18	5.25	2.50	2.75	2.75
428+56.99	2.59	1.04	0.00	0.00	0.00	0.00	1.30	1.04	0.20	0.17	0.29	3.89	2.07	0.20	0.17	0.29	-0.12	-0.12
429+00.00	7.96	6.37	0.00	0.00	0.00	0.00	7.96	6.37	0.00	0.00	1.31	15.93	12.74	0.00	0.00	1.31	-1.30	-1.30
429+50.00	9.26	7.41	0.00	0.00	0.00	0.00	9.26	7.41	0.00	0.00	1.31	18.52	14.81	0.00	0.00	1.31	-1.31	-1.31
430+00.00	9.26	7.41	0.00	0.00	0.00	0.00	9.26	7.41	0.00	0.00	1.29	18.52	14.81	0.00	0.00	1.29	-1.28	-1.28
430+50.00	9.26	7.41	0.00	0.00	0.00	0.00	9.26	7.41	0.01	0.01	1.37	18.52	14.81	0.01	0.01	1.37	-1.36	-1.36
431+00.00	9.26	7.41	0.00	0.00	0.00	0.00	9.26	7.41	0.07	0.06	1.30	18.52	14.81	0.07	0.06	1.30	-1.24	-1.24
431+50.00	9.26	7.41	0.00	0.00	0.00	0.00	9.26	7.41	0.03	0.03	1.72	18.52	14.81	0.03	0.03	1.72	-1.70	-1.70
432+00.00	9.26	7.41	0.00	0.00	0.00	0.00	9.26	7.41	0.01	0.01	1.27	18.52	14.81	0.01	0.01	1.27	-1.26	-1.26
432+50.00	9.26	7.41	42.09	35.77	0.69	35.08	9.26	7.41	0.04	0.04	0.57	18.52	14.81	42.13	35.81	1.26	34.55	34.55
433+00.00	13.32	11.11	51.90	44.11	0.58	43.53	9.26	7.41	0.07	0.06	0.44	22.58	18.51	51.97	44.17	1.02	43.16	43.16
433+50.00	27.15	24.73	90.59	77.00	5.36	71.64	9.26	7.41	0.00	0.00	0.63	36.40	32.14	90.59	77.00	5.99	71.01	71.01
434+00.00	27.32	24.90	60.52	51.44	7.51	43.94	9.26	7.41	0.00	0.00	0.00	36.58	32.31	60.52	51.44	7.51	43.94	43.94
434+50.00	23.33	19.58	52.57	44.69	3.82	40.87	9.26	7.41	0.00	0.00	0.00	32.59	26.99	52.57	44.69	3.82	40.87	40.87
435+00.00	26.12	21.58	53.46	45.44	5.79	39.65	9.26	7.41	0.00	0.00	0.00	35.38	28.98	53.46	45.44	5.79	39.65	39.65
435+50.00	32.76	26.30	48.14	40.92	8.40	32.52	9.26	7.41	0.00	0.00	0.00	42.01	33.70	48.14	40.92	8.40	32.52	32.52
436+00.00	30.87	22.03	53.22	45.24	6.73	38.51	9.26	7.41	0.00	0.00	0.00	40.13	29.44	53.22	45.24	6.73	38.51	38.51
436+50.00	29.89	19.49	45.49	38.66	10.10	28.56	9.26	7.41	0.00	0.00	0.00	39.15	26.89	45.49	38.66	10.10	28.56	28.56
437+00.00	35.49	24.37	43.33	36.83	28.11	8.73	9.26	7.41	0.00	0.00	0.00	44.75	31.78	43.33	36.83	28.11	8.73	8.73
437+07.10	5.55	3.96	6.09	5.17	7.34	-2.17	9.26	7.41	0.00	0.00	0.00	14.81	11.37	6.09	5.17	7.34	-2.17	-2.17
437+50.00	27.08	23.55	32.55	27.67	51.92	-24.25	10.51	8.53	0.00	0.00	0.00	37.59	32.07	32.55	27.67	51.92	-24.25	-24.25
438+00.00	35.19	33.43	36.49	31.01	76.88	-45.87	14.03	13.22	0.00	0.00	0.00	49.21	46.64	36.49	31.01	76.88	-45.87	-45.87
438+50.00	38.88	36.94	34.93	29.69	105.57	-75.88	23.52	22.34	0.00	0.00	0.00	62.40	59.28	34.93	29.69	105.57	-75.88	-75.88
439+00.00	39.92	37.92	33.98	28.88	97.76	-68.88	22.33	21.21	0.35	0.30	5.31	62.25	59.13	34.33	29.18	103.08	-73.90	-73.90
439+50.00	29.54	28.06	26.45	22.48	15.59	6.89	7.09	6.74	1.66	1.41	18.44	36.63	34.80	28.11	23.89	34.03	-10.14	-10.14
441+50.00	37.61	36.34	46.70	39.70	4.48	35.22	13.98	13.28	0.60	0.51	18.73	51.59	49.62	47.30	40.21	23.21	17.00	17.00
442+00.00	17.90	16.55	29.91	25.42	2.11	23.31	19.16	18.20	1.36	1.15	11.68	37.06	34.75	31.26	26.57	13.79	12.78	12.78
442+50.00	20.29	18.83	14.88	12.65	1.35	11.30	29.89	28.39	0.46	0.39	9.67	50.17	47.23	15.34	13.04	11.03	2.02	2.02
443+00.00	10.54	10.31	13.60	11.56	0.97	10.60	33.00	31.35	0.84	0.71	8.36	43.54	41.66	14.44	12.28	9.33	2.95	2.95
443+50.00	2.66	2.53	14.87	12.64	0.52	12.11	33.61	31.93	11.00	9.35	37.46	36.28	34.46	25.86	21.98	37.99	-16.00	-16.00
444+00.00	0.00	0.00	0.00	0.00	4.34	-4.34	34.14	32.44	20.35	17.30	16.18	34.15	32.44	20.35	17.30	20.51	-3.22	-3.22
444+50.00	0.00	0.00	0.00	0.00	0.00	0.00	33.53	31.85	0.14	0.12	45.60	33.53	31.85	0.14	0.12	45.60	-45.48	-45.48
445+00.00	0.00	0.00	0.00	0.00	0.00	0.00	27.02	25.67	0.23	0.20	26.34	27.02	25.67	0.23	0.20	26.34	-26.14	-26.14
445+50.00	0.00	0.00	0.00	0.00	0.00	0.00	20.10											

MODEL: D:\default...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...

Station	US-20 Stage 1 (Eastbound Removal)							US-20 Stage 2 (Westbound Removal)							US-20 Total						
	Topsoil Excavation (CU YD)	Topsoil Placement (CU YD)	Earth Excavation (CU YD)	Excavation Used In Embankment (Adj. For Shrinkage) 15% (CU YD)	Embankment (CU YD)	Earthwork Waste (+) or Shortage (-) (CU YD)		Topsoil Excavation (CU YD)	Topsoil Placement (CU YD)	Earth Excavation (CU YD)	Excavation Used In Embankment (Adj. For Shrinkage) 15% (CU YD)	Embankment (CU YD)	Earthwork Waste (+) or Shortage (-) (CU YD)		Topsoil Excavation (CU YD)	Topsoil Placement (CU YD)	Earth Excavation (CU YD)	Excavation Used In Embankment (Adj. For Shrinkage) 15% (CU YD)	Embankment (CU YD)	Earthwork Waste (+) or Shortage (-) (CU YD)	
447+00.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
447+50.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
448+00.00	0.00	0.00	0.00	0.00	0.00	0.00		1.30	1.04	0.00	0.00	0.00	0.00		1.30	1.04	0.00	0.00	0.00	0.00	0.00
448+50.00	0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
449+00.00	0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
449+50.00	0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
450+00.00	0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
450+50.00	0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
451+00.00	0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
451+50.00	0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
452+00.00	0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
452+50.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
453+00.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
453+50.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
454+00.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
454+50.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
455+00.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
455+50.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
456+00.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
456+50.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
457+00.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
457+50.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
458+00.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
458+50.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
459+00.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
459+50.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
460+00.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
460+50.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
461+00.00	9.26	7.41	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00		18.52	14.81	0.00	0.00	0.00	0.00	0.00
461+50.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
462+00.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
462+50.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
463+00.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
463+50.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
464+00.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
464+50.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
465+00.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
465+50.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
466+00.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
466+50.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
467+00.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
467+50.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
468+00.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
468+50.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
469+00.00	9.26	7.41	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		9.26	7.41	0.00	0.00	0.00	0.00	0.00
469+50.00	2.04	1.63	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		2.04	1.63	0.00	0.00	0.00	0.00	0.00
470+00.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sheet Total	316.85	253.48	0.00	0.00	0.00	0.00		242.04	193.63	0.00	0.00	0.00	0.00		558.89	447.11	0.00	0.00	0.00	0.00	0.00
Total	1487.92	1291.51	1971.11	1675.45	1286.43	389.02		1458.93	1265.63	1122.19	953.86	1229.03	-275.17		2946.85	2557.14	3093.31	2629.31	2515.46	113.85	0.00

REVISION: REVISED SHEET 6/4/2024



USER NAME	DESIGNED	REVISION
jstarzyk	JAS	5/29/2024
PLOT SCALE	CHECKED	REVISION
18.333' / in.	RR	
PLOT DATE	DATE	REVISION
5/24/2024	3/20/2024	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US-20: GRACE STREET TO SHALES PARKWAY
EARTHWORK SCHEDULE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	23
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

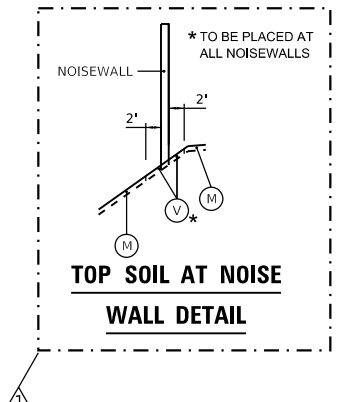
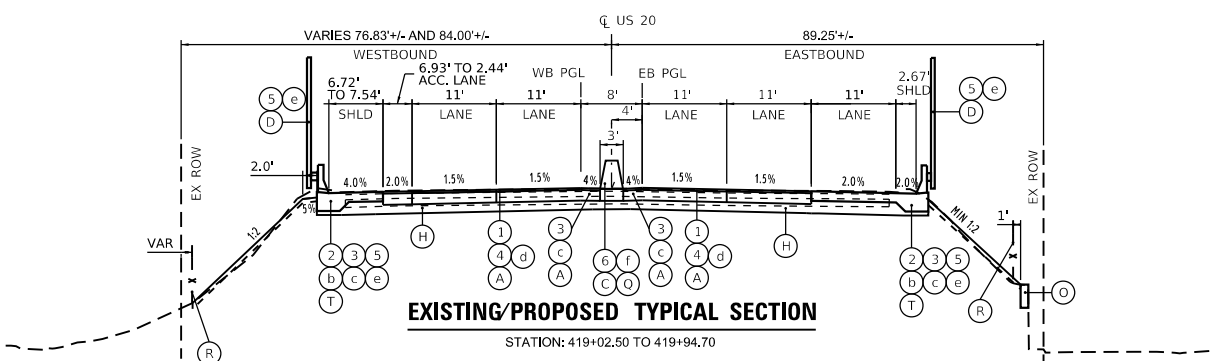
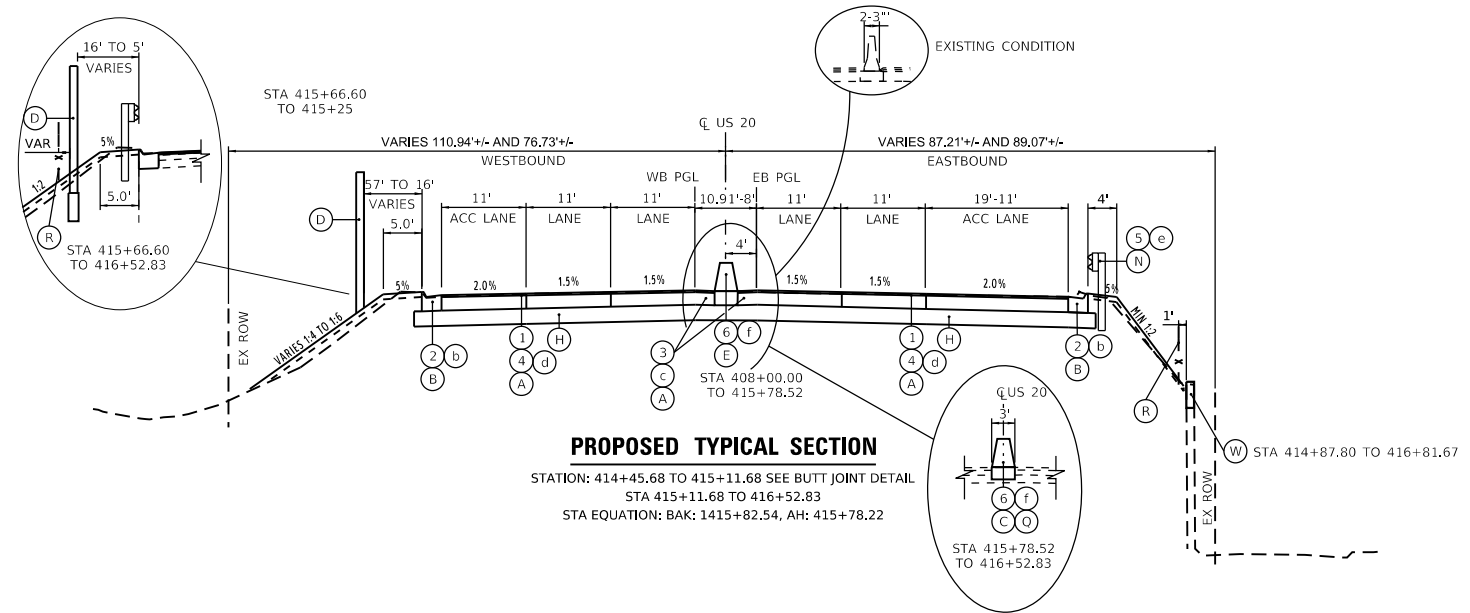
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

MIXTURES TABLE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS (PAY ITEM)	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)	MTD REQUIRED? (YES/NO)
PAVEMENT RECONSTRUCTION 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80 11 3/4" HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0)	3.5% @ 80 GYR 4% @ 90 GYR	QCP QC/QA	YES NO
TEMPORARY PAVEMENT: 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 8" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 GYR 4% @ 70 GYR	QC/QA QC/QA	NO NO
HMA FOR PATCHING POTHOLES: 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	4% @ 70 GYR	QC/QA	NO
HOT-MIX ASPHALT SHOULDERS 13 3/4": 2" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D" N70 11 3/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	4% @ 70 GYR 4% @ 90 GYR	QC/QA QC/QA	NO NO
PAVEMENT CONNECTOR (HMA): 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80 13 1/4" TO 12" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	3.5% @ 80 GYR 4% @ 90 GYR	QCP QC/QA	YES NO
PAVEMENT RESURFACING AND WIDENING: 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F" N80 SHOULDER RESURFACING AND SHOULDER RUMBLE STRIP REMOVAL: 2" HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "D" N70	3.5% @ 80 GYR 4% @ 70 GYR	QCP QC/QA	YES NO

QMP DESIGNATION: QUALITY CONTROL FOR PERFORMANCE (QCP); QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX SURFACE MIXTURES IS 112 LBS/SQ YD/INCH THICKNESS.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS
- PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARD SPECIFICATIONS; THICKNESS SHALL BE 9". TEMPORARY PAVEMENT DOES NOT REQUIRE DOWEL BARS. ALL TEMPORARY PAVEMENT SHALL BE PROVIDED FOR OVER 4" SUBBASE GRANULAR MATERIAL.



- EXISTING LEGEND:**
- 1 EXISTING HMA, 3"+/-
 - 2 EXISTING CURB AND GUTTER, TYPE B-6.24
 - 3 EXISTING BITUMINOUS SHOULDER, 8"+/-
 - 4 EXISTING P.C.C. BASE, 10"+/-
 - 5 EXISTING GUARDRAIL
 - 6 EXISTING CONCRETE BARRIER
- REMOVALS**
- a HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - b COMBINATION CURB AND GUTTER REMOVAL
 - c PAVED SHOULDER REMOVAL *
 - d PAVEMENT REMOVAL
 - e GUARDRAIL REMOVAL
 - f CONCRETE BARRIER REMOVAL

- PROPOSED LEGEND:**
- A POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2" HOT-MIX ASPHALT BASE COURSE, 11 3/4"
 - B COMBINATION CONCRETE CURB & GUTTER, TYPE M4.24
 - C CONCRETE BARRIER, DOUBLE FACE, 44 IN HEIGHT
 - D NOISEWALL *MEASURED TO WALL FACE
 - E TEMPORARY CONCRETE BARRIER (TO PERMANENTLY REMAIN)
 - F POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2"
 - G POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2" PORTLAND CEMENT SUBGRADE BASE COURSE 11"
 - H AGGREGATE SUBGRADE IMPROVEMENT 12"
 - I HOT-MIX ASPHALT SHOULDERS, 13 3/4"
 - J CONCRETE BARRIER, SINGLE FACE, 44 IN HEIGHT (POURED MONOLITHICALLY WITH BASE)
 - K AGGREGATE SHOULDERS B
 - L SEEDING, CLASS 2A
 - M TOP SOIL FURNISH AND PLACE, 8"
 - N GUARDRAIL
 - O EXISTING RETAINING WALL MODIFICATIONS
 - P COMBINATION CONCRETE CURB & GUTTER, TYPE M4.12
 - Q CONCRETE BARRIER BASE
 - R CHAIN LINK FENCE, 4' (FOR LOCATION SEE SHEET, 36)
 - S UNDERDRAIN TYPE 2, 4"
 - T ANCHORAGE SLAB
 - U HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
 - V TOP SOIL FURNISH AND PLACE, 12"
- * INCLUDED IN QUANTITY FOR PAVEMENT REMOVAL

NOTE:
A. LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE SURFACE OVER WHICH THE P HMA SC SMA 12.5 MIX F N80 WILL BE PAVED

REVISED SHEET 6/4/2024

MODEL: 3D Sheet 4
FILE NAME: p:\projects\paw\benefits\com\proj\paw\01\Documents\Projects\62096\Project_Work\ProjA_CADD\62096\Contract\Sheets\01\62096-SHT-TYPICAL-001.dgn



USER NAME: radan	DESIGNED: RA	REVISED:
PLOT SCALE: 1/8" = 100.00010728' / in.	DRAWN: JAS	REVISED:
PLOT DATE: 5/24/2024	CHECKED: RR	REVISED:
	DATE: 3/20/2024	REVISED:

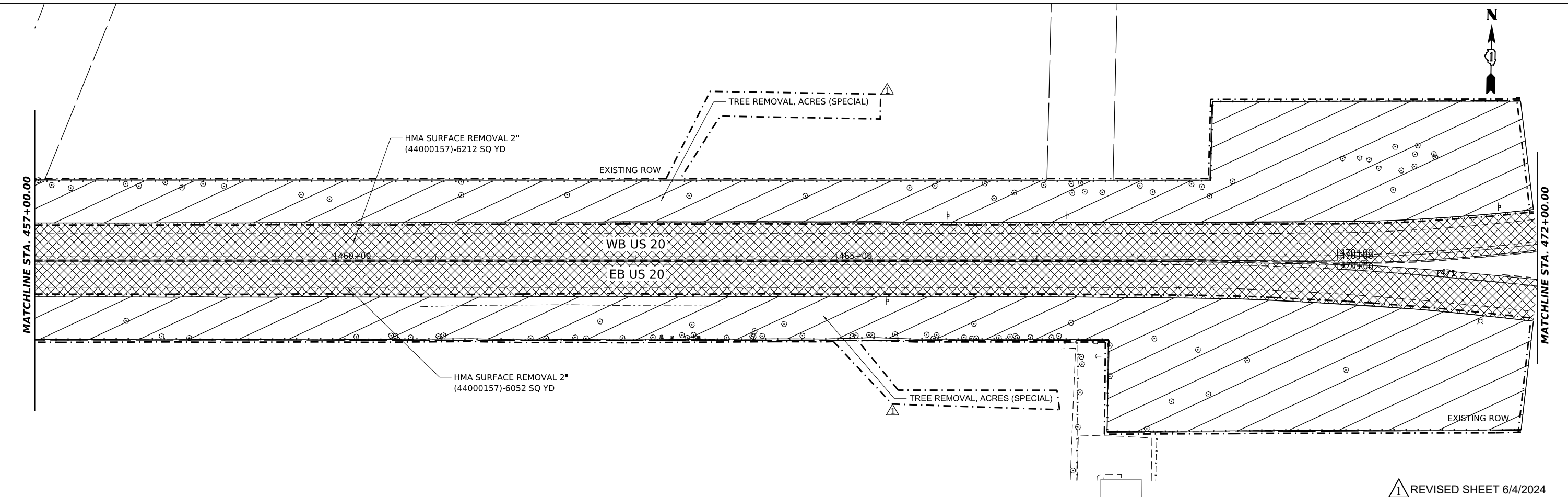
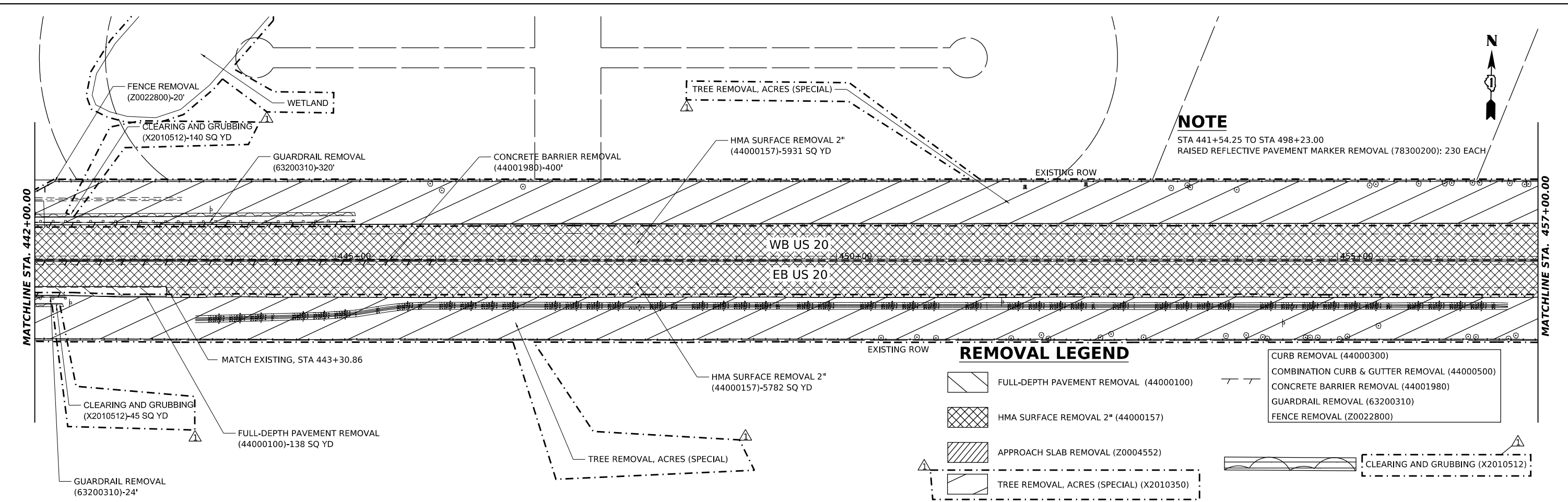
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US-20: GRACE STREET TO SHALES PARKWAY
TYPICAL SECTIONS

SCALE: NTS SHEET OF SHEETS STA. TO STA.

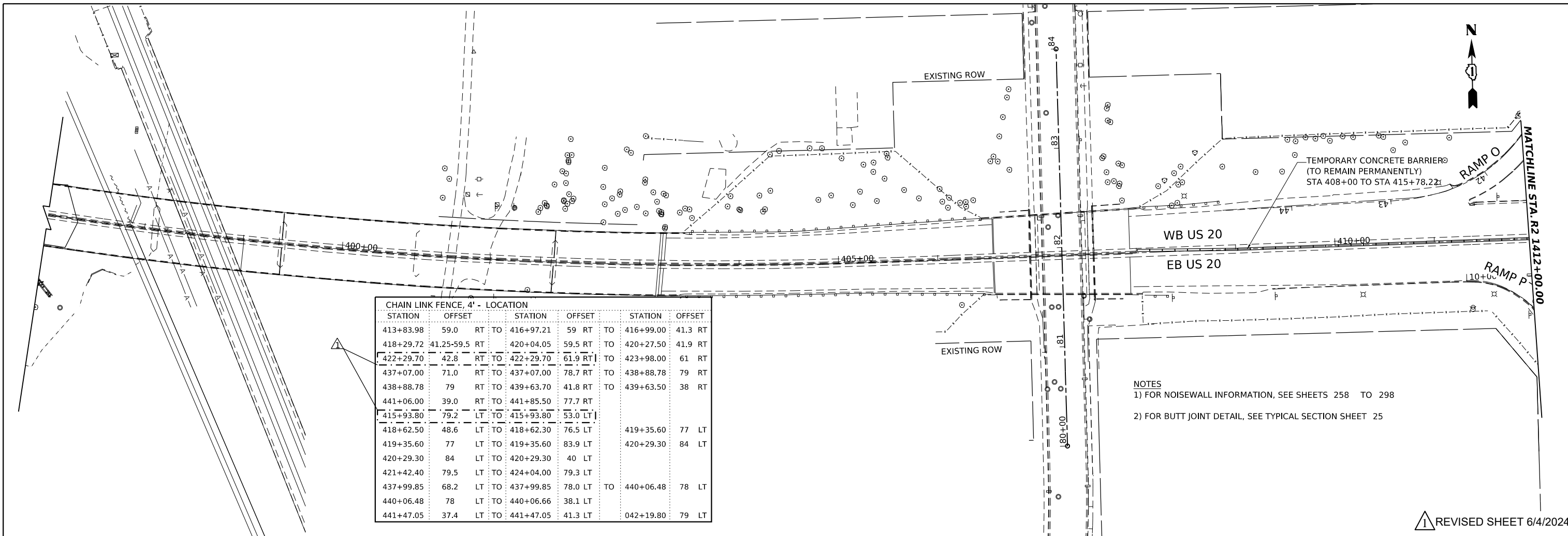
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	24
CONTRACT NO. 62U83				
ILLINOIS		FED. AID PROJECT		

MODEL: US20_Sht_Removal.dwg
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 CONTRACT: 62U83
 SHEETS: 345

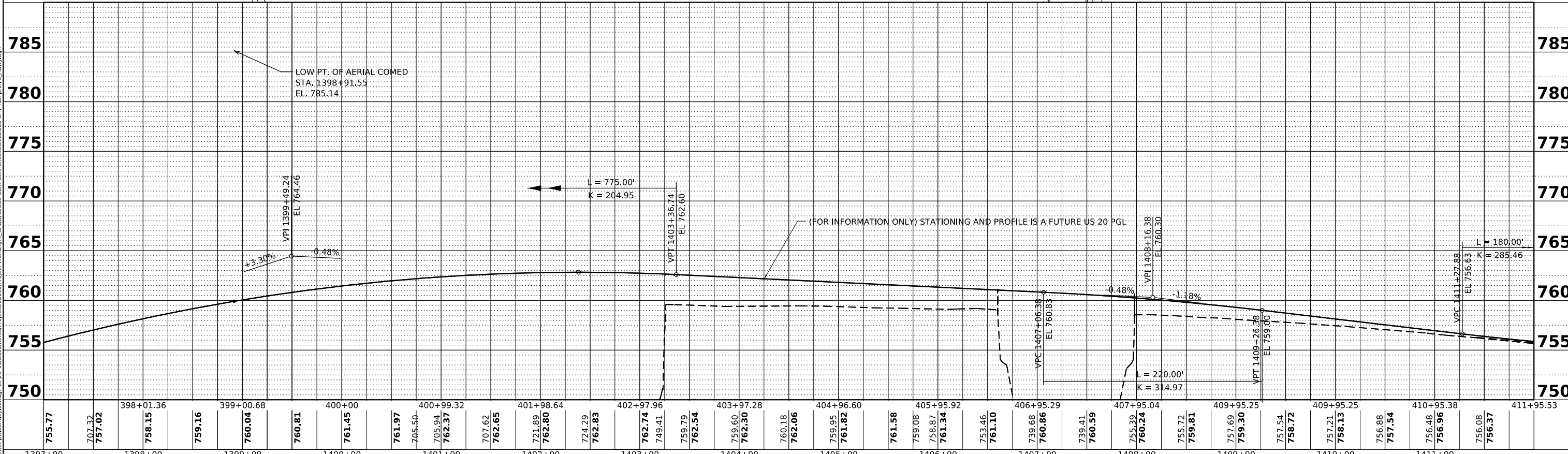


	USER NAME - radan	DESIGNED - DE	REVISED - 5/29/2024 DE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20: GRACE STREET TO SHALES PARKWAY REMOVAL PLAN			F.A.P. RTE. - 345	SECTION - FAP 345 23 BRIDGE	COUNTY - COOK/KANE	TOTAL SHEETS - 379	SHEET NO. - 33
	PLOT SCALE - 1"=100.00010728' / 1in.	CHECKED - SMV	DATE - 3/20/2024		REVISED -	SCALE: 1"=50'	SHEET 3	OF 5 SHEETS	STA. 442+00	TO STA. 472+00	ILLINOIS FED. AID PROJECT CONTRACT NO. 62U83	

REVISOR SHEET 6/4/2024



REVISED SHEET 6/4/2024



MODEL: P:\US20_1
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USER NAME	radan	DESIGNED	RR	REVISED	5/29/2024	RA
PLOT SCALE	0.16666685 1/ in.	DRAWN	RA	REVISED		
PLOT DATE	5/24/2024	CHECKED	RR	REVISED		
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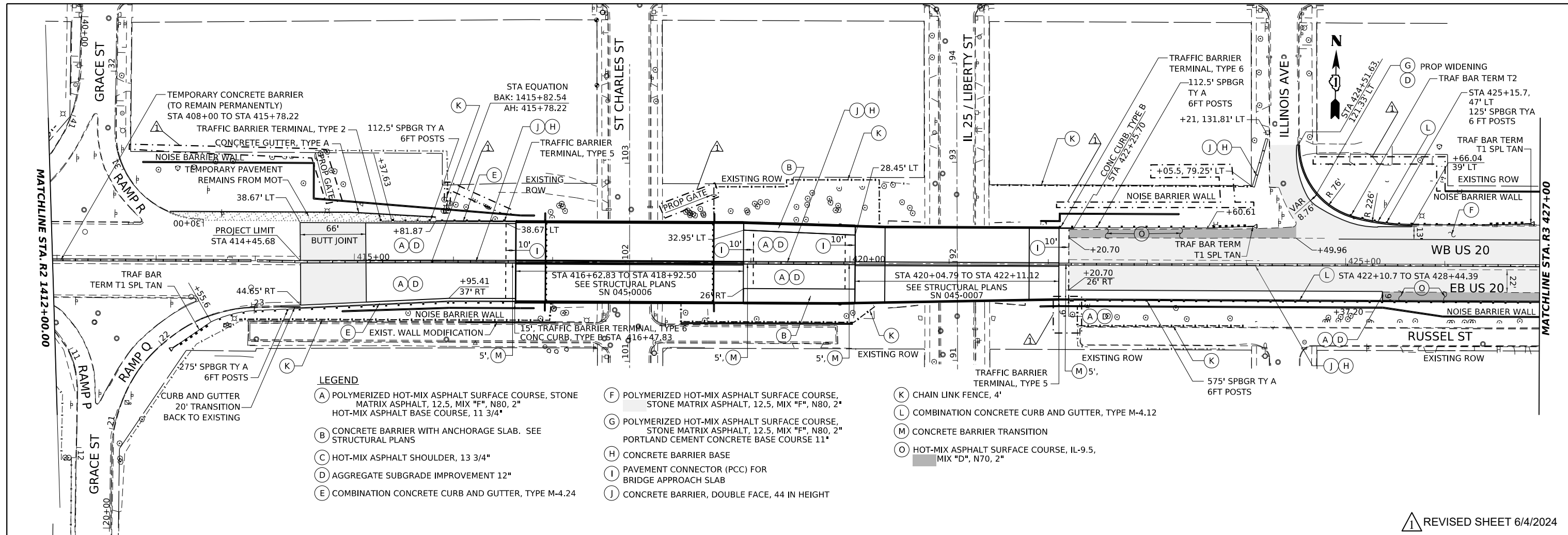
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20: GRACE STREET TO SHALES PARKWAY
ROADWAY PLAN AND PROFILE

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V: 1"=5'

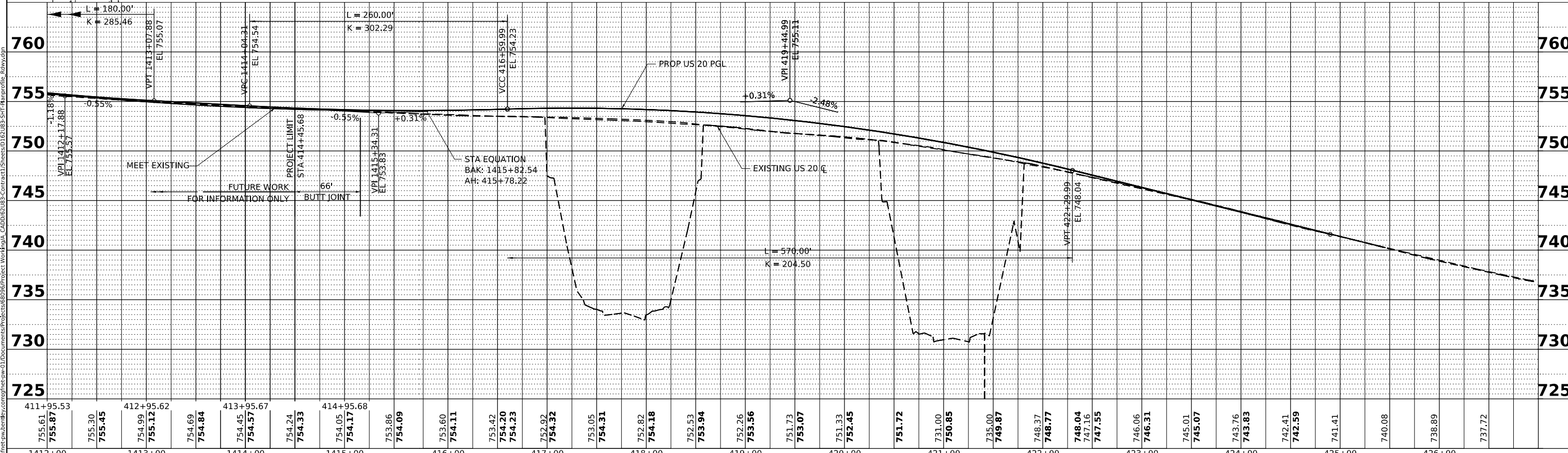
SHEET 1 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	36
CONTRACT NO. 62U83			ILLINOIS FED. AID PROJECT	



- LEGEND**
- (A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2" HOT-MIX ASPHALT BASE COURSE, 11 3/4"
 - (B) CONCRETE BARRIER WITH ANCHORAGE SLAB. SEE STRUCTURAL PLANS
 - (C) HOT-MIX ASPHALT SHOULDER, 13 3/4"
 - (D) AGGREGATE SUBGRADE IMPROVEMENT 12"
 - (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
 - (F) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2"
 - (G) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2" PORTLAND CEMENT CONCRETE BASE COURSE 11"
 - (H) CONCRETE BARRIER BASE
 - (I) PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
 - (J) CONCRETE BARRIER, DOUBLE FACE, 44 IN HEIGHT
 - (K) CHAIN LINK FENCE, 4'
 - (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
 - (M) CONCRETE BARRIER TRANSITION
 - (O) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"

▲ REVISED SHEET 6/4/2024



760	755	750	745	740	735	730	725																																																	
411+95.53	412+95.62	413+95.67	414+95.68	415+00	416+00	417+00	418+00	419+00	420+00	421+00	422+00	423+00	424+00	425+00	426+00																																									
755.61	755.87	755.30	755.45	754.99	755.12	754.69	754.84	754.45	754.57	754.24	754.33	754.05	754.17	753.86	754.09	753.60	754.11	753.42	754.20	754.23	752.92	754.32	753.05	754.31	752.82	754.18	752.53	753.94	752.26	753.56	751.73	753.07	751.33	752.45	751.72	731.00	750.85	735.00	749.87	748.37	748.77	748.04	747.16	747.55	746.06	746.31	745.01	745.07	743.76	743.83	742.41	742.59	741.41	740.08	738.89	737.72
1412+00	1413+00	1414+00	1415+00	416+00	417+00	418+00	419+00	420+00	421+00	422+00	423+00	424+00	425+00	426+00																																										



USER NAME	radan	DESIGNED	RR	REVISED	5/29/2024	RA
PLOT SCALE	0.166666687 in.	DRAWN	RA	REVISED		
PLOT DATE	5/24/2024	CHECKED	RR	REVISED		
		DATE	3/20/2024	REVISED		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20: GRACE STREET TO SHALES PARKWAY
ROADWAY PLAN AND PROFILE

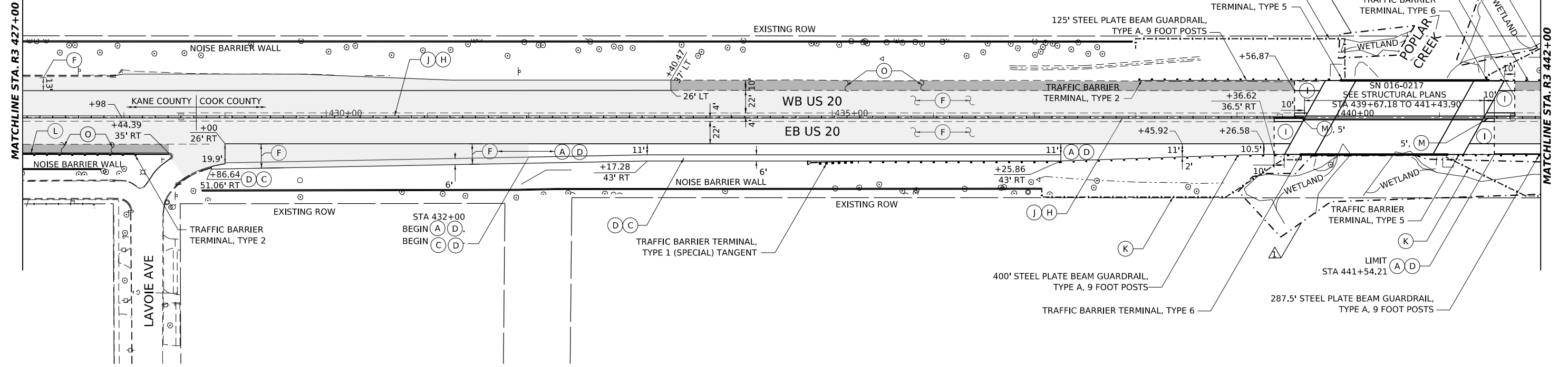
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SHEET 2 OF SHEETS STA. TO STA.

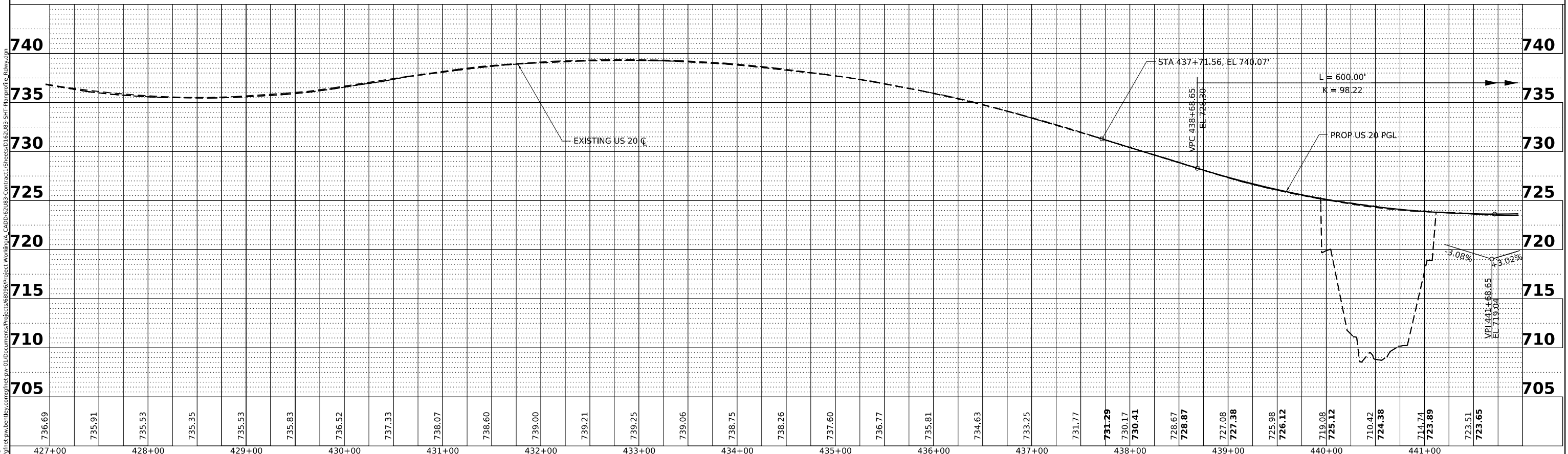
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	37
CONTRACT NO. 62U83			ILLINOIS FED. AID PROJECT	

LEGEND

- (A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2" HOT-MIX ASPHALT BASE COURSE, 11 3/4"
- (B) CONCRETE BARRIER WITH ANCHORAGE SLAB. SEE STRUCTURAL PLANS
- (C) HOT-MIX ASPHALT SHOULDER, 13 3/4"
- (D) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
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- (G) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2" PORTLAND CEMENT CONCRETE BASE COURSE 11"
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- (K) CHAIN LINK FENCE, 4'
- (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (M) CONCRETE BARRIER TRANSITION
- (O) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"



REVISOR 1 REVISED SHEET 6/4/2024




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DATE	-	3/20/2024	REVISION	-																														

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
MAINTENANCE OF TRAFFIC GENERAL NOTES

- ① THE CONTRACTOR MUST COORDINATE ALL LANE CLOSURES WITH THE ENGINEER.
- ② LANE CLOSURES, RAMP CLOSURES, SIGNING, PAVEMENT MARKING AND BARRICADE PLACEMENT SHALL BE IN ACCORDANCE WITH THE LATEST HIGHWAY STANDARD DRAWINGS AND IDOT DISTRICT 1 STANDARD DETAILS AS APPLICABLE.
- ③ ALL TEMPORARY SIGNS AND SIGN SUPPORTS SHALL BE IN COMPLIANCE WITH ARTICLE 701.14 OF THE SPECIAL AND ALL APPLICABLE CONTRACTOR SPECIAL PROVISION.
- ④ EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER. THE REMOVAL WILL BE MEASURED IN SQUARE FEET AND PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING" AND/OR "PAVEMENT MARKING REMOVAL - WATER BLASTING". GRINDING IS PROHIBITED ON ALL PAVEMENT NOT BEING REPLACED.
- ⑤ CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL TRAFFIC DELAYS, QUEUING AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.
- ⑥ DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8FT OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.
- ⑦ ANY EXISTING SIGNS DENOTED WITHIN THE PLAN SET THAT DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS SHALL BE REMOVED OR COVERED, AS DIRECTED BY THE ENGINEER. THE COVERING OR REMOVAL OF GROUND MOUNTED/ OVERHEAD SIGNS SHALL BE NON-DESTRUCTIVE IN NATURE AND WILL NOT BE MEASURED FOR PAYMENT BUT IS CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)"
- ⑧ "RELOCATE TEMPORARY CONCRETE BARRIER" PAY ITEM WILL BE USED FOR ANY BARRIER WALL RELOCATED FROM A TRAFFIC STAGE AND UTILIZED IN A DIFFERENT POSITION IN A SUBSEQUENT TRAFFIC STAGE. MEASUREMENT AND PAYMENT WILL ONLY BE FOR THE FINAL PLACEMENT IN STAGE AND ANY INTERMEDIATE BARRIER PLACEMENTS NECESSARY TO MOVE THE WALL IN ALLOWABLE WORK WINDOWS SHALL BE INCLUDED IN THE COST OF "RELOCATE TEMPORARY CONCRETE BARRIER". ANY TEMPORARY CONCRETE BARRIER SHIFTING WITHIN A TRAFFIC STAGE BASED UPON THE CONTRACTOR'S OPERATIONS WILL NOT BE MEASURED FOR PAYMENT.
- ⑨ DRUMS SHOULD BE SPACED AT 25' C-C AT TAPERS AND 50' C-C AT TANGENTS
- ⑩ TEMPORARY PAVEMENT INSTALLED FOR TRAFFIC STAGING WILL BE PAID AS "TEMPORARY PAVEMENT". THE REMOVAL OF THE TEMPORARY PAVEMENT WILL BE PAID AS "PAVEMENT REMOVAL". SAW CUTTING IS INCLUDED TO THE PROPOSED ITEM OR WORK SPECIFIED, UNLESS OTHERWISE SHOWN IN PLAN. SEE TEMPORARY PAVEMENT DETAIL SHEETS FOR MORE INFORMATION.
- ⑪ FOR PROPOSED SIGNING AND PROPOSED PAVEMENT MARKING DETAILS, SEE PROPOSED SIGNING AND PAVEMENT MARKINGS PLAN SHEETS.
- ⑫ THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR, KALPANA HANNAN-HOSADURGA AT KALPANA.HOSADURGA@ILLINOIS.GOV DAYS AT LEAST ONE WEEK IN ADVANCE OF BEGINNING WORK.
- ⑬ IMPLEMENTATION OF STAGES MAY HAVE RESTRICTIONS, AND THE CONTRACTOR SHALL REFER TO SPECIAL PROVISIONS "WORK RESTRICTIONS" FOR ADDITIONAL DETAILS.
- ⑭ RESURFACING EAST OF POPLAR CREEK WILL BE COMPLETED UNDER TEMPORARY CLOSURES. ALL WORK WILL FOLLOW DETAILS INCLUDED IN THE PLANS, THE IDOT SAFETY ENGINEERING POLICY 4-21, AND THE CONTRACT SPECIAL PROVISIONS. THE CONTRACTOR SHALL SCHEDULE THE RESURFACING TO AVOID IMPACTS WITH OTHER OPERATIONS, TRAFFIC CONTROL STAGING, AND SUCH THAT NO UNREQUIRED JOINTS ARE PLACED IN THE MAT.
- ⑮ THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE PLACEMENT AND MESSAGES FOR ALL CHANGEABLE MESSAGE SIGNS WITH THE ENGINEER. PROVIDED BELOW FOR INFORMATION ONLY ARE ANTICIPATED LOCATIONS FOR PORTABLE CHANGEABLE MESSAGE SIGNS:

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 REVISED SHEET 6/4/2024



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PLOT SCALE	= 0.16666685 ' / in.	CHECKED	-	RR	REVISED	-		
PLOT DATE	= 5/24/2024	DATE	-	3/20/2024	REVISED	-		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
MAINTENANCE OF TRAFFIC GENERAL NOTES**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	42
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC STAGING SEQUENCE

PRESTAGE 1A

DESCRIPTION OF WORK TO BE PERFORMED:

1. PERFORM BRIDGE DECK REPAIRS IN LANE 2 AND THE OUTSIDE SHOULDER OF ALL WB BRIDGES AND EB BRIDGE DECK REPAIRS ON FOX RIVER AND RAYMOND ST.
2. A NOMINAL QUANTITY OF HOT MIX ASPHALT FOR PATCHING POTHOLES (HOT MIX) HAS BEEN PROVIDED FOR REMOVAL AND REPLACEMENT OF ASPHALTIC SURFACE DEFECTS AND REPLACEMENT IN THE PRE-STAGE
3. SHOULDER RUMBLE STRIP REMOVAL AND RESURFACING.

TRAFFIC

1. EB AND WB US 20 TRAFFIC REDUCED TO A SINGLE LANE IN EACH DIRECTION RUNNING ON LANE 1.

PRESTAGE 1B

DESCRIPTION OF WORK TO BE PERFORMED:

1. MEDIAN AT EB AND WB US-20: REMOVE EXISTING MEDIAN CONCRETE BARRIER BETWEEN STATIONS: STA 408+00 TO STA 414+00, STA 428+64 TO STA 433+30, STA 442+00 TO STA 446+00
2. PERFORM BRIDGE DECK REPAIRS IN LANE 2 AND MEDIAN SHOULDER OF ALL WB BRIDGES AND EB BRIDGE DECK REPAIRS ON FOX RIVER AND RAYMOND ST.
3. A NOMINAL QUANTITY OF HOT MIX ASPHALT FOR PATCHING POTHOLES (HOT MIX) HAS BEEN PROVIDED FOR REMOVAL AND REPLACEMENT OF ASPHALTIC SURFACE DEFECTS AND REPLACEMENT IN THE PRE-STAGE
4. INSTALL TEMPORARY PAVEMENT AT CROSSOVERS, SEE SHEET

TRAFFIC

1. EB AND WB US 20 TRAFFIC REDUCED TO A SINGLE LANE IN EACH DIRECTION SHIFTED ONTO OUTSIDE SHOULDER

STAGE 1

DESCRIPTION OF WORK TO BE PERFORMED:

1. PERFORM PROPOSED IMPROVMENTS ALONG THE EB US20 SIDE OF THE ROADWAY WORK SHALL INCLUDE CONSTRUCTION OF EB LIBERTY, ST CHARLES AND POPLAR BRIDGES. EB SHOULDERS, PAVEMENT, RESURFACING, MOMENT SLABS, GUARDRAIL, RETAINING WALLS, AND ALL OTHER WORK LOCATED ALONG EB US20.
2. CONSTRUCT NOISEWALLS ALONG THE EB SIDE OF US 20

TRAFFIC

1. EB TRAFFIC: TRAFFIC DROPS FROM TWO LANES DOWN TO A SINGLE LANE AFTER IL 31 EB EXIT RAMP. TRAFFIC CROSSES OVER TO THE WB US20 SIDE AND CONTINUES EB UNTIL IT CROSSES BACK OVER FROM FROM THE WB SIDE TO THE EB SIDE EAST OF POPLAR BRIDGE. TRAFFIC OPENS BACK UPTO TWO LANES BUT OUTSIDE SHOULDER IS CLOSED ALLOWING FOR CONSTRUCTION OF THE EASTERN NOISE WALLS
2. RAMP R, O AND P AT GRACE ARE OPEN TO TRAFFIC. RAMP Q AT GRACE IS CLOSED TO TRAFFIC.
3. RAMP FROM LAVOIE AVE TO EB US 20 CROSSES TO WB SIDE MERGING WITH SINGLE EB US 20 LANE
4. WB EXISTING 2 LANES OF TRAFFIC, DROPS A LANE IN ADVANCE OF THE WORK AREA (APPROX STA 463+00) AND CONTINUES A SINGLE LANE TO WEST OF GRACE STREET WHERE THE WORK ZONE ENDS AND IT OPENS UPTO THE EXISTING WB LANES.

STAGE 2

DESCRIPTION OF WORK TO BE PERFORMED:

1. PERFORM PROPOSED IMPROVMENTS ALONG THE WB US20 SIDE OF THE ROADWAY. WORK SHALL INCLUDE CONSTRUCTION OF WB LIBERTY, ST CHARLES AND POPLAR BRIDGES. WB SHOULDERS, PAVEMENT, RESURFACING, MOMENT SLABS, GUARDRAIL, RETAINING WALLS, AND ALL OTHER WORK LOCATED ALONG WB US20.
2. CONSTRUCT NOISEWALLS ALONG THE WB SIDE OF US 20

TRAFFIC

1. EB TRAFFIC: TRAFFIC DROPS FROM TWO LANES DOWN TO A SINGLE LANE AFTER IL 31 EB EXIT RAMP AND SHIFTS TO THE OUTSIDE. TRAFFIC OPENS BACK UPTO TWO LANES EAST OF POPLAR
2. LAVOIE ENTRANCE RAMP TRAFFIC MERGES WITH SINGLE EB TRAFFIC LANE
3. RAMP P, Q, AND O AT GRACE OPEN TO TRAFFIC. RAMP O CLOSED TO TRAFFIC.
4. WB US20 EXIT RAMP TO NORTH IL-25 AT ILLINOIS AVE IS OPEN TO TRAFFIC.
5. WB EXISTING 2 LANES OF TRAFFIC, DROPS A LANE IN ADVANCE OF THE WORK AREA WEST OF SHALES PARKWAY. TRAFFIC CONTINUES AS A SINGLE LANE CROSSING OVER TO THE EB EAST OF POPLAR. WEST OF GRACE STREET, WB TRAFFIC CROSS BACK OVER ONTO THE WB PAVEMENT AND OPENS UP TO EXISTING 2 LANES OF TRAFFIC VIA AN ADDED LANE FROM ENTRANCE RAMP O.

STAGE 3

DESCRIPTION OF WORK TO BE PERFORMED:

1. MEDIAN BARRIER STA 408+00 TO STA 413+00; STA 428+50 TO STA 433+30 AND STA 442+00 TO STA 446+00
2. RESURFACING OF US20 EAST OF POPLAR CREEK BRIDGE

TRAFFIC

1. EB US-20 TRAFFIC: 2 LANES OPEN TO TRAFFIC
2. ALL RAMP OPEN TO TRAFFIC
3. WB US-20 TRAFFIC: 2 LANES OPEN TO TRAFFIC
4. EB AND WB LANES SHIFTED TO THE OUTSIDE SHOULDER BETWEEN: STA 405+00 TO STA 447+00
5. RESURFACING EAST OF POPLAR CREEK TO BE PERFORMED VIA TEMPORARY CLOSURES

LOCAL ROADS


ST CHARLES ST:

TWO LANE TWO TRAFFIC WILL BE MAINTAINED THROUGHOUT CONSTRUCTION EXCEPT FOR BEAM PLACEMENT. A WORK ZONE WILL BE PROVIDED VIA LONG TERM SHOULDER CLOSURES, HOWEVER, SIDEWALK ACCESS MUST BE MAINTAINED ON EITHER THE EAST OR WEST SIDE THROUGHOUT CONSTRUCTION. THIS RESULTS IN SWITCHING THE WORK ZONE BETWEEN WEST SIDE AND EAST SIDE ALONG WITH PROVIDED TEMPORARY SIDEWALK VIA TEMPORARY PAVEMENT IN STAGE. BEAM PLACEMENT WILL BE DONE FOLLOWING THE SPECIFICATION FOR "KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC (WITH 15 MIN FULL STOPS)

LIBERTY ST:

ALL BRIDGE WORK EXCEPT FOR BEAM PLACEMENT WILL BE DONE UNDER TEMPORARY OFF PEAK CLOSURES AS SHOWN IN IDOT STANDARD 701501. BEAM PLACEMENT WILL BE DONE FOLLOWING THE SPECIFICATION FOR "KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC (WITH 15 MIN FULL STOPS)

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 REVISED SHEET 6/4/2024



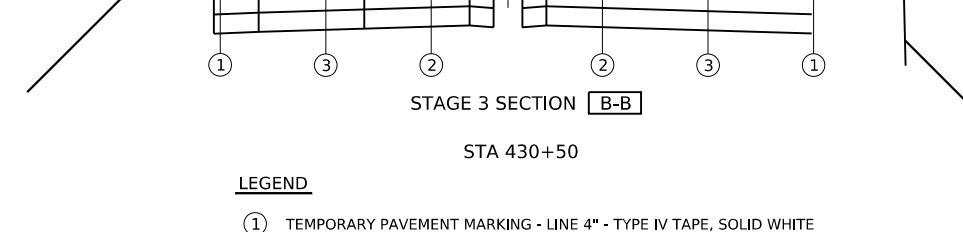
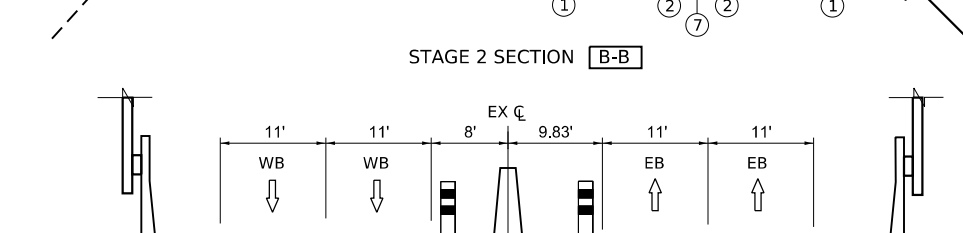
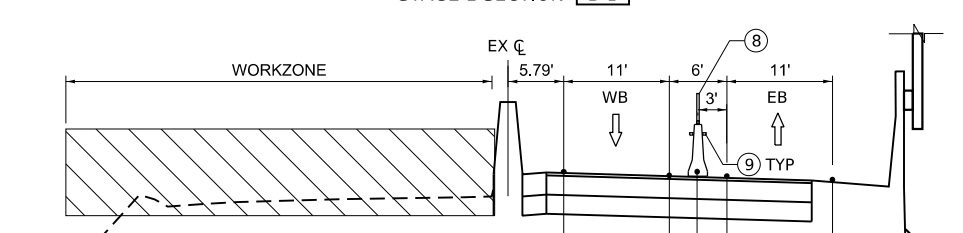
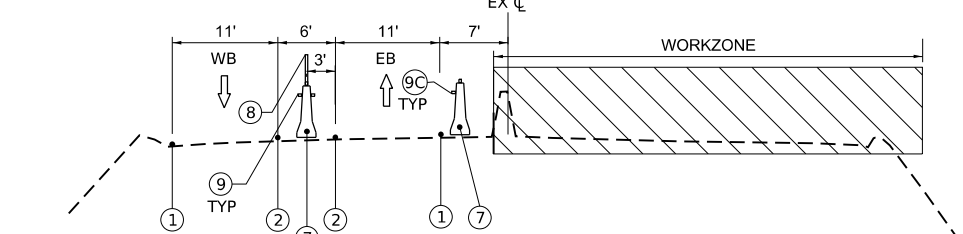
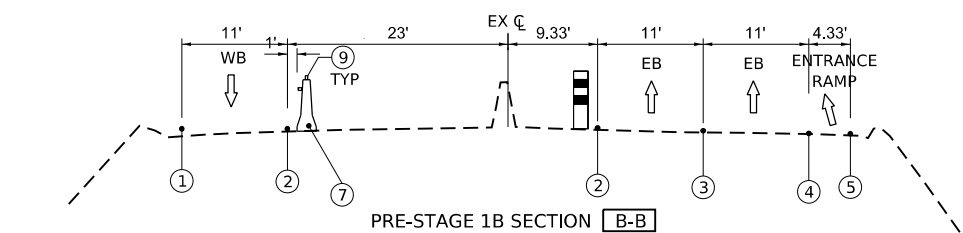
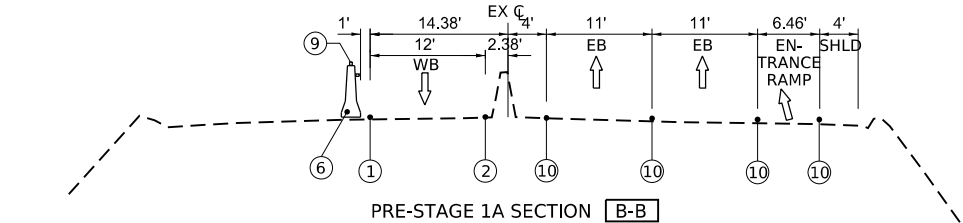
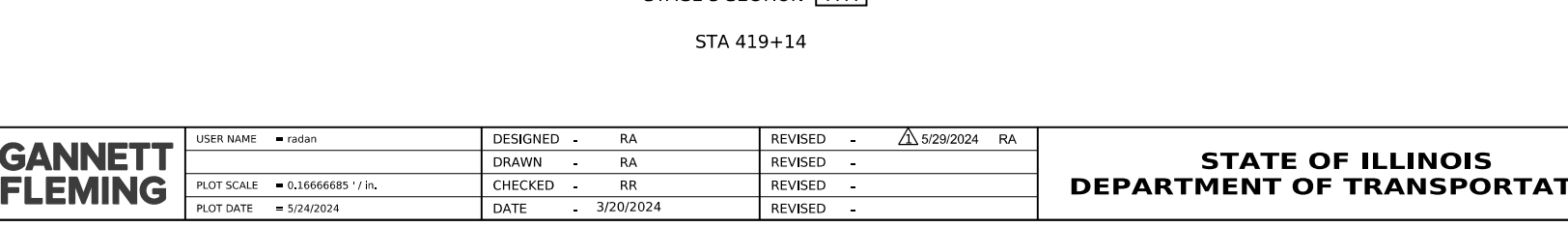
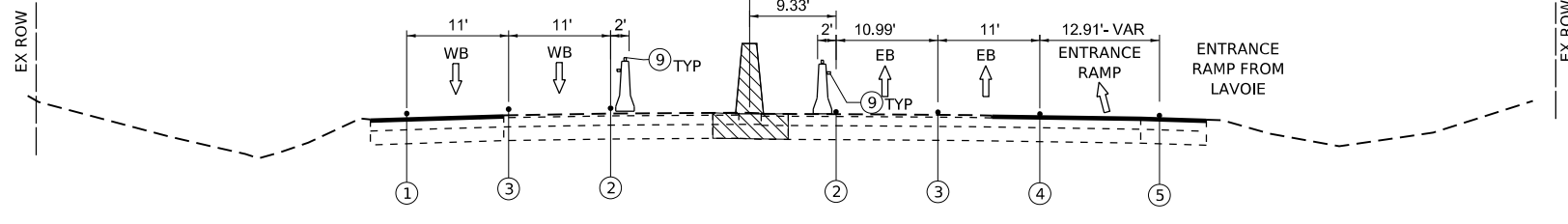
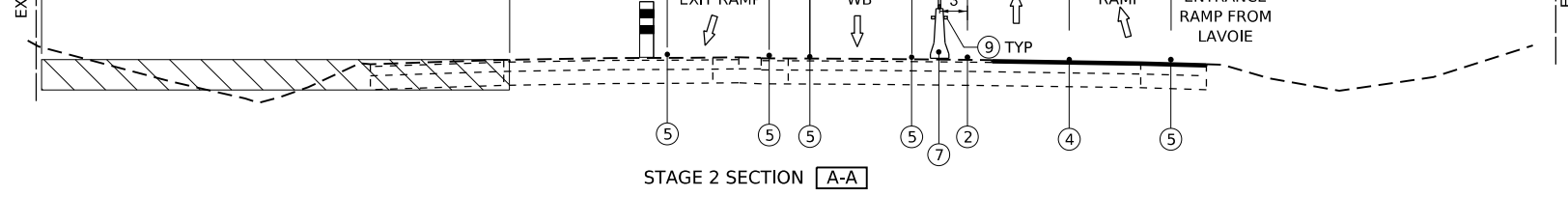
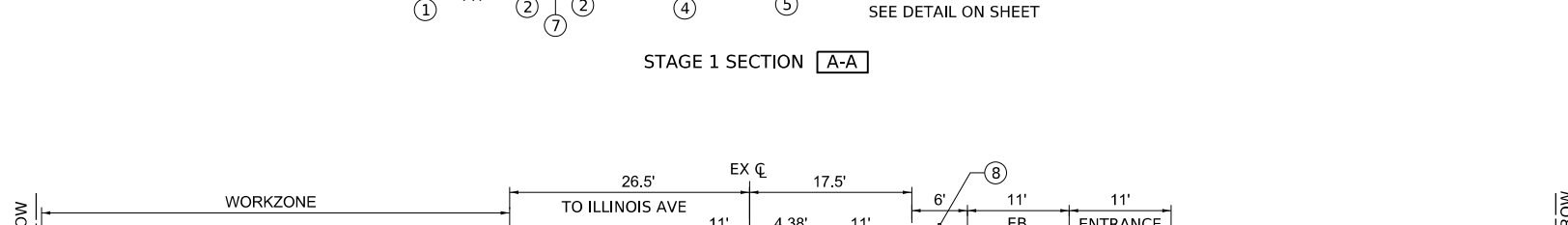
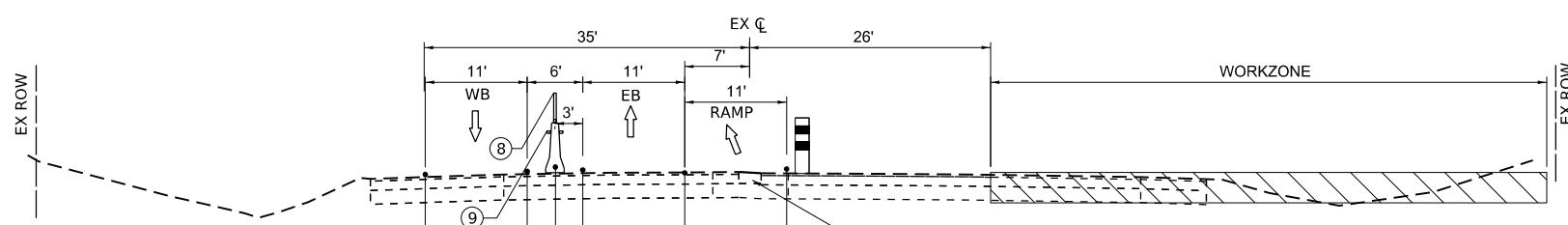
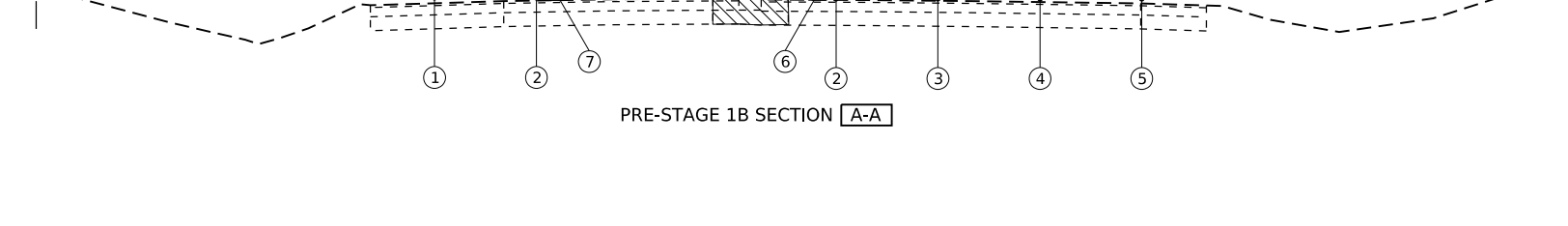
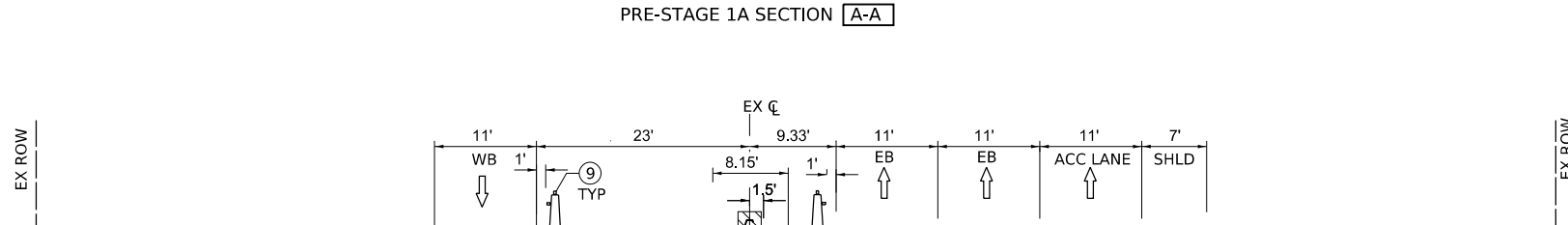
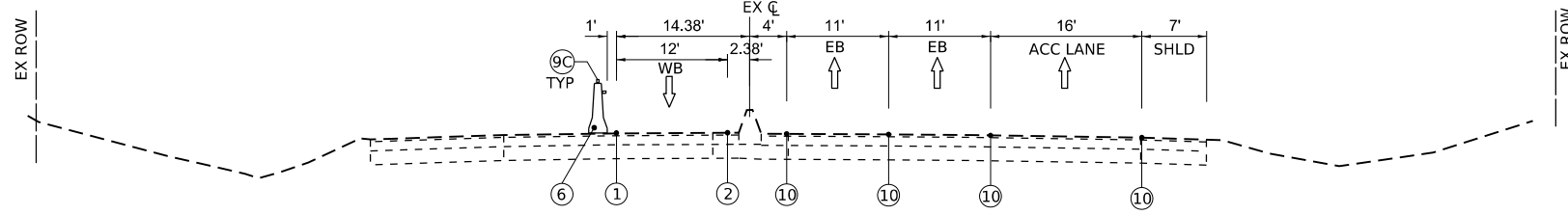
USER NAME	radan	DESIGNED	RA	REVISED	5/29/2024 RA
		DRAWN	RA	REVISED	-
PLOT SCALE	0.16666685 ' / in.	CHECKED	RR	REVISED	-
PLOT DATE	5/24/2024	DATE	3/20/2024	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
MAINTENANCE OF TRAFFIC GENERAL NOTES**

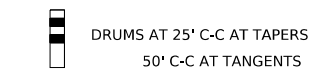
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	43
CONTRACT NO. 62U83				
ILLINOIS			FED. AID PROJECT	



LEGEND

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE, SOLID WHITE
- ② TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE, SOLID YELLOW
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE, 10'S-30'D WHITE
- ④ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE, 6'S-2'D WHITE
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE, SOLID WHITE
- ⑥ TEMPORARY CONC BARRIER
- ⑦ RELOCATE TEMPORARY CONC BARRIER
- ⑧ MODULAR GLARE SCREEN SYSTEM, TEMPORARY
- ⑨ TYPE C AMBER REFLECTORS PER STDS 704001 AND 782006
- ⑨C TYPE C CRYSTAL REFLECTORS PER STDS 704001 AND 782006
- ⑩ EXISTING PAVEMENT MARKING



REVISED SHEET 6/4/2024

MODEL: STA 430+50 (Sheet)
 FILE NAME: Program\p24\state\11\Documents\Projects\620806\Project_Work\ProjA_CADD\620806_Contract\Sheets\01\620806_SHT-MOT_TYPICALS.dgn



USER NAME	radan	DESIGNED	RA	REVISED	5/29/2024 RA
DRAWN	RA	CHECKED	RR	REVISOR	
PLOT SCALE	0.16666685 1/ in.	DATE	3/20/2024		
PLOT DATE	5/24/2024				

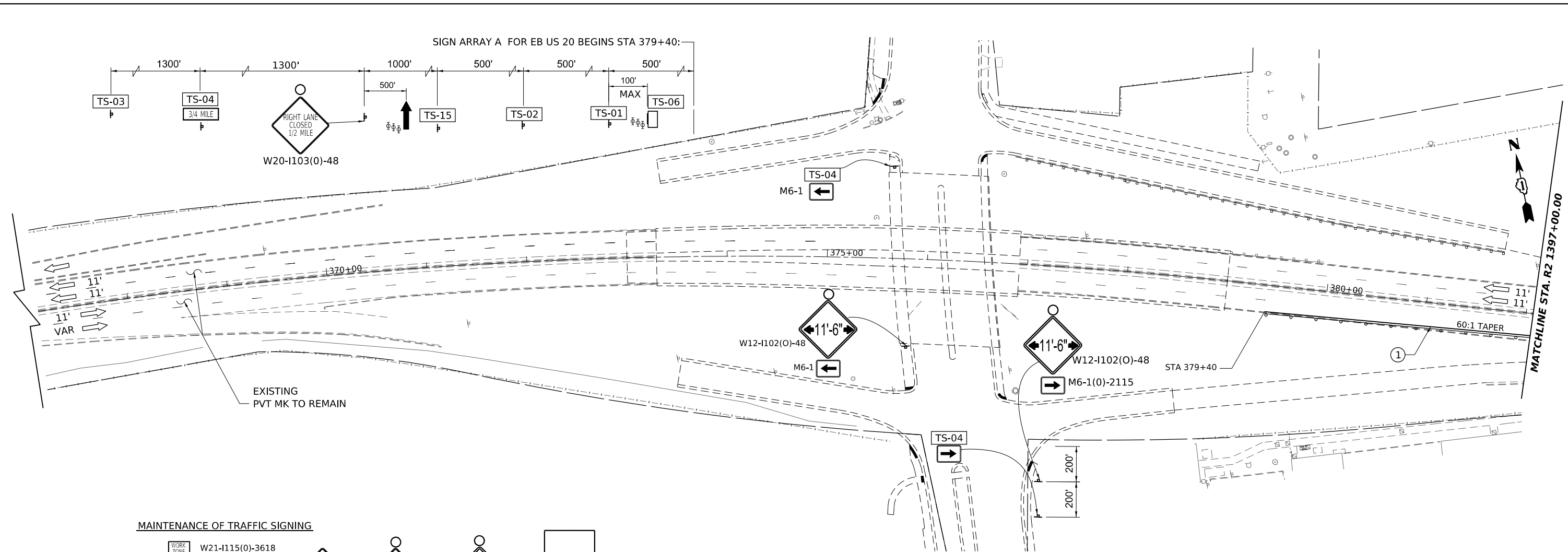
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
MAINTENANCE OF TRAFFIC TYPICALS**

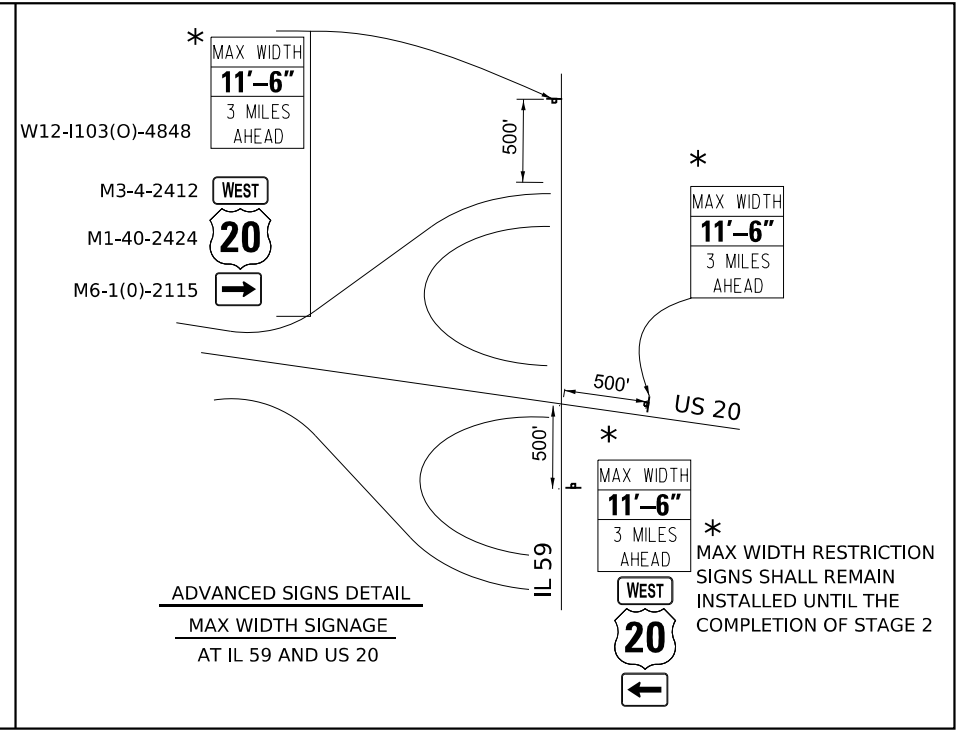
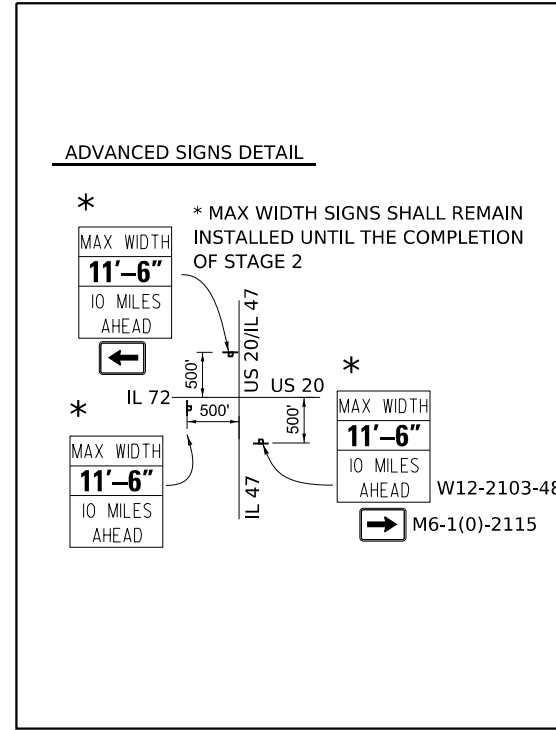
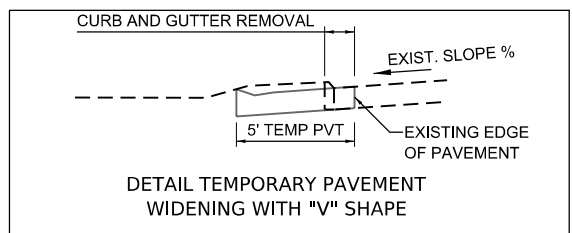
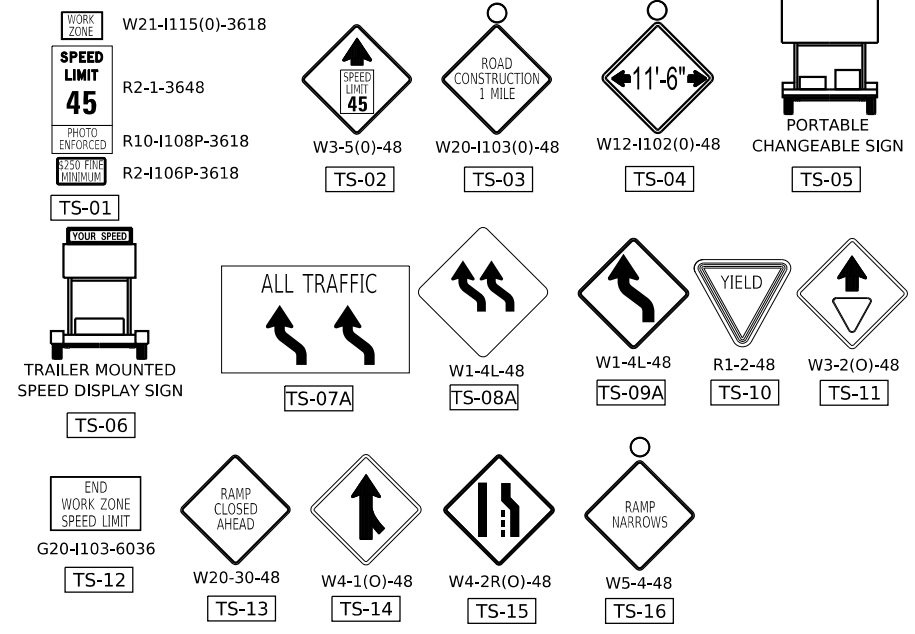
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	44
			CONTRACT NO. 62U83	
ILLINOIS FED. AID PROJECT				

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

MODEL: US20_Sht_MOT_Pre-Stage_1A.dwg
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MAINTENANCE OF TRAFFIC SIGNING



REVISION 1 REVISED SHEET 6/4/2024



USER NAME	radan	DESIGNED	RA	REVISED	5/29/2024 RA
DRAWN	RA	REVISIONS			
PLOT SCALE	0.16666685"/in.	CHECKED	RR	REVISED	
PLOT DATE	5/24/2024	DATE	3/20/2024	REVISED	

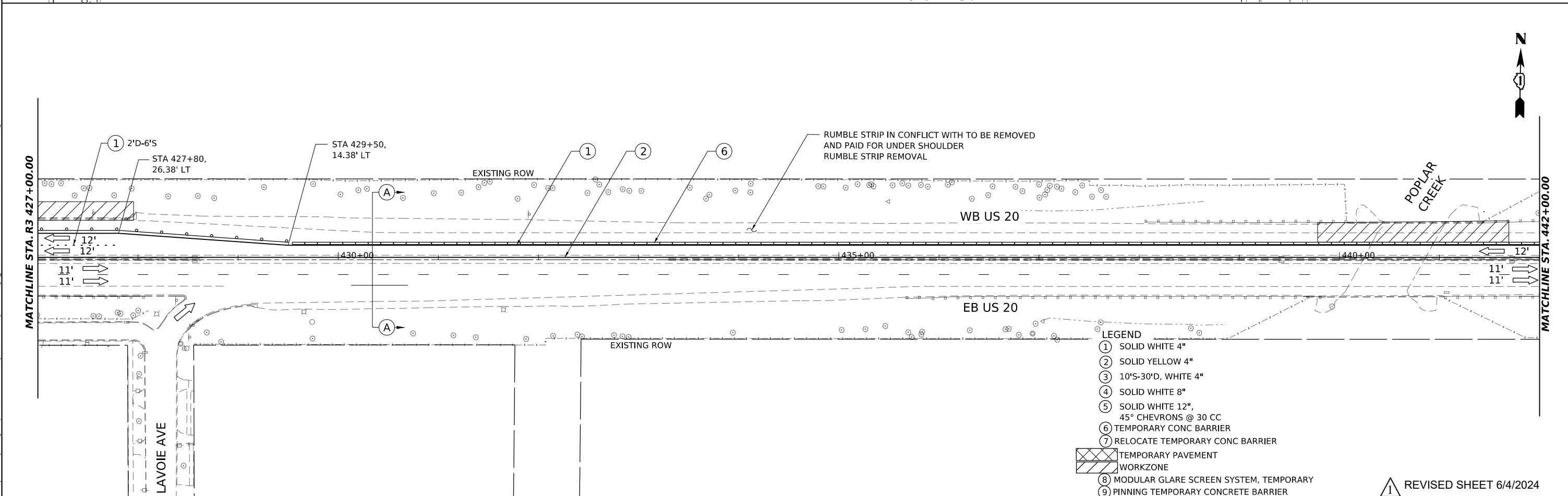
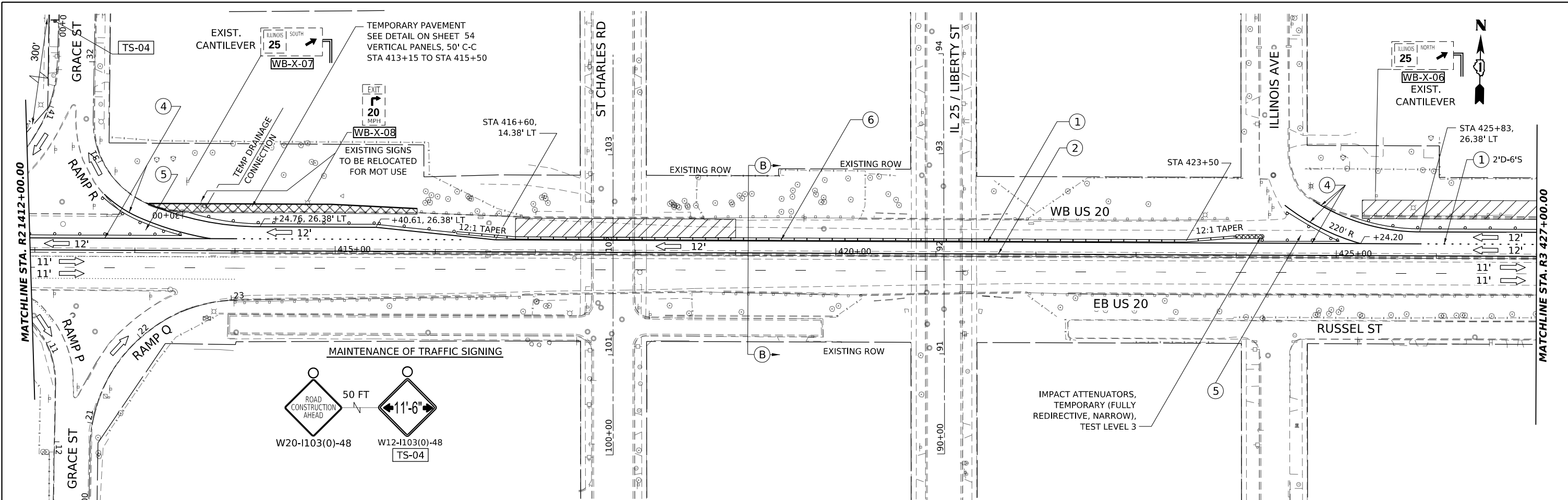
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
MAINTENANCE OF TRAFFIC PRE-STAGE 1A**

SCALE: 1"=50'

SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	46
CONTRACT NO. 62U83			ILLINOIS FED. AID PROJECT	



- LEGEND**
- ① SOLID WHITE 4"
 - ② SOLID YELLOW 4"
 - ③ 10'S-30'D, WHITE 4"
 - ④ SOLID WHITE 8"
 - ⑤ SOLID WHITE 12", 45° CHEVRONS @ 30 CC
 - ⑥ TEMPORARY CONC BARRIER
 - ⑦ RELOCATE TEMPORARY CONC BARRIER
 - ⑧ TEMPORARY PAVEMENT WORKZONE
 - ⑧ MODULAR GLARE SCREEN SYSTEM, TEMPORARY
 - ⑨ PINNING TEMPORARY CONCRETE BARRIER

REVISED SHEET 6/4/2024

MODEL: US20_Sht_MOT_Pre_Stage_1A.dwg
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USER NAME	radan	DESIGNED	RR	REVISED	5/29/2024	RA
DRAWN	RA	REVISIONS				
PLOT SCALE	0.16666685" / in.	CHECKED	RR	REVISIONS		
PLOT DATE	5/24/2024	DATE	3/20/2024	REVISIONS		

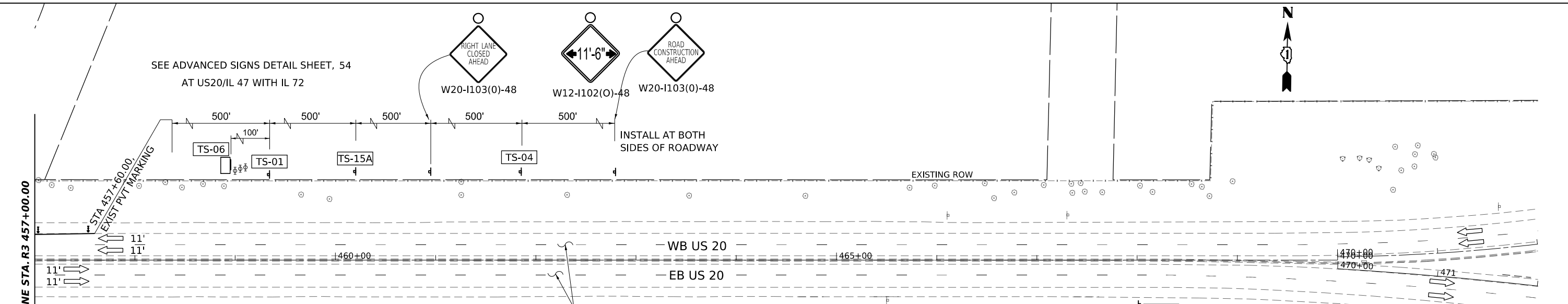
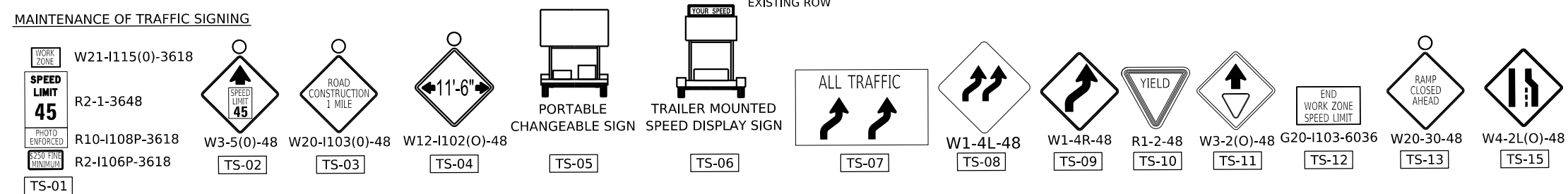
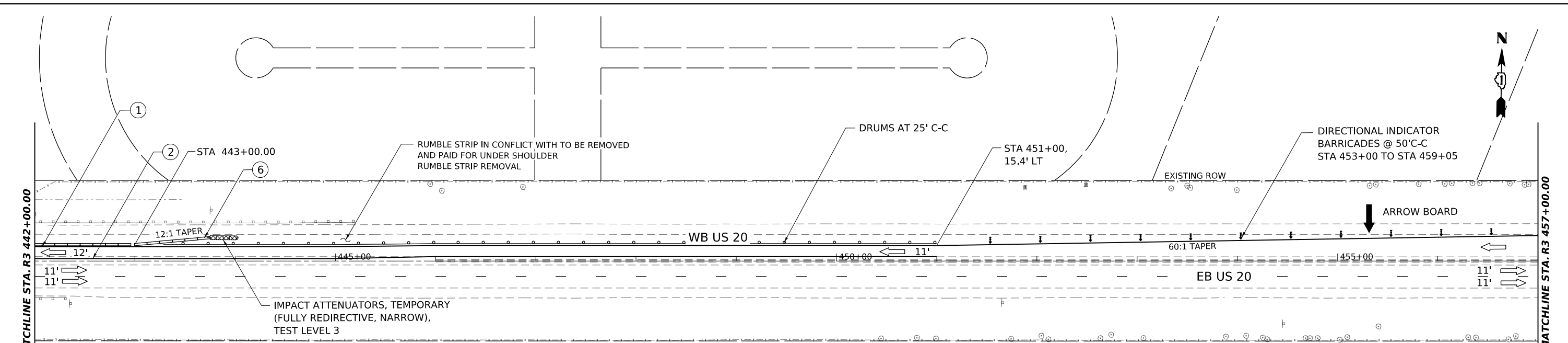
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
MAINTENANCE OF TRAFFIC PRE-STAGE 1A**

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	48
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

MODEL: US20_Sht_MOT_Pre_Stage_1A-03
 FILE NAME: p:\gannett_fleming\projects\62U83\Contract\Drawings\62U83-SHT-MOT.dgn



- LEGEND**
- ① SOLID WHITE 4"
 - ② SOLID YELLOW 4"
 - ③ 10'S-30'D, WHITE 4"
 - ④ SOLID WHITE 8"
 - ⑤ SOLID WHITE 12", 45° CHEVRONS @ 30 CC
 - ⑥ TEMPORARY CONC BARRIER
 - ⑦ RELOCATE TEMPORARY CONC BARRIER
 - TEMPORARY PAVEMENT WORKZONE
 - ⑧ MODULAR GLARE SCREEN SYSTEM, TEMPORARY
 - ⑨ PINNING TEMPORARY CONCRETE BARRIER

	USER NAME - radan	DESIGNED - RR	REVISED - 5/29/2024 RA
	DRAWN - RA	REVISIONS -	
	PLOT SCALE - 0.16666685 1/ in.	CHECKED - RR	REVISIONS -
	PLOT DATE - 5/24/2024	DATE - 3/20/2024	REVISIONS -

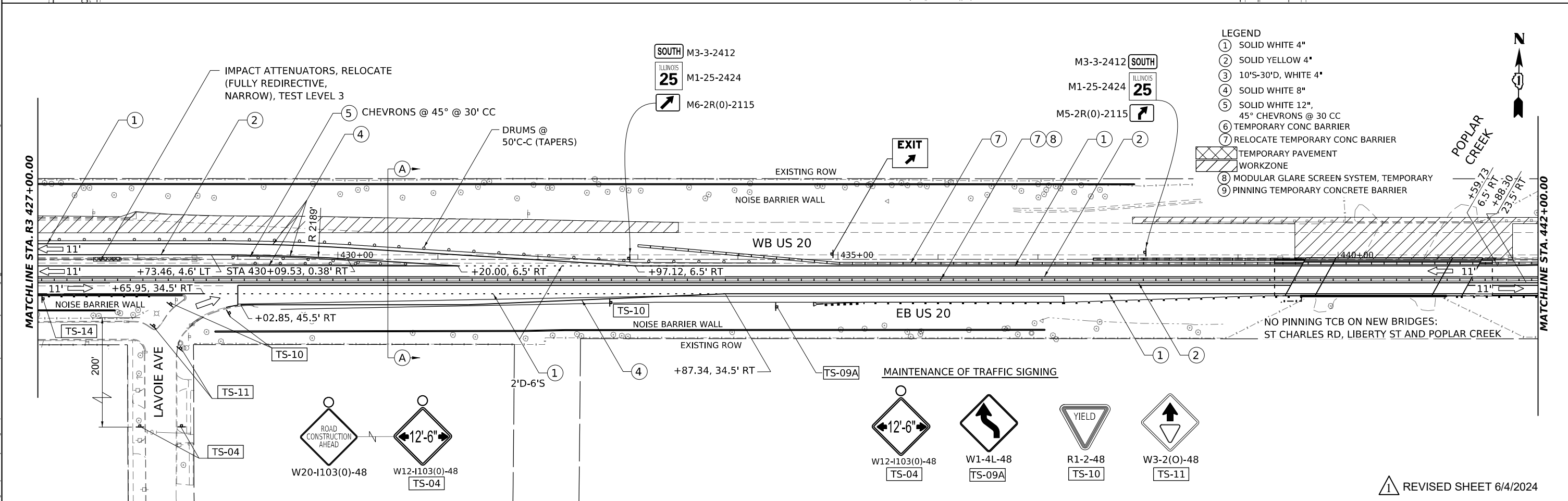
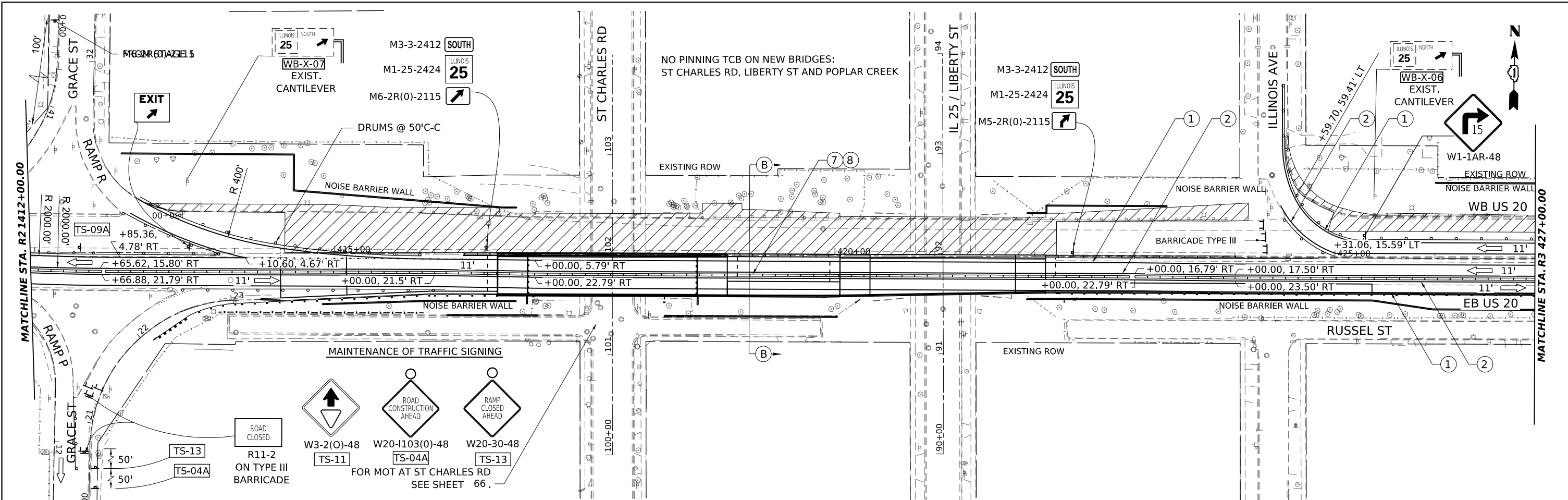
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
 MAINTENANCE OF TRAFFIC PRE-STAGE 1A**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 345	SECTION FAP 345 23 BRIDGE	COUNTY COOK/KANE	TOTAL SHEETS 379	SHEET NO. 49
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62U83	

REVISED SHEET 6/4/2024



LEGEND

①	SOLID WHITE 4"
②	SOLID YELLOW 4"
③	10'S-30'D, WHITE 4"
④	SOLID WHITE 8"
⑤	SOLID WHITE 12"
⑥	45° CHEVRONS @ 30 CC
⑦	TEMPORARY CONC BARRIER
⑧	RELOCATE TEMPORARY CONC BARRIER
⑨	TEMPORARY PAVEMENT WORKZONE
⑩	MODULAR GLARE SCREEN SYSTEM, TEMPORARY
⑪	PINNING TEMPORARY CONCRETE BARRIER

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
MAINTENANCE OF TRAFFIC STAGE 2**

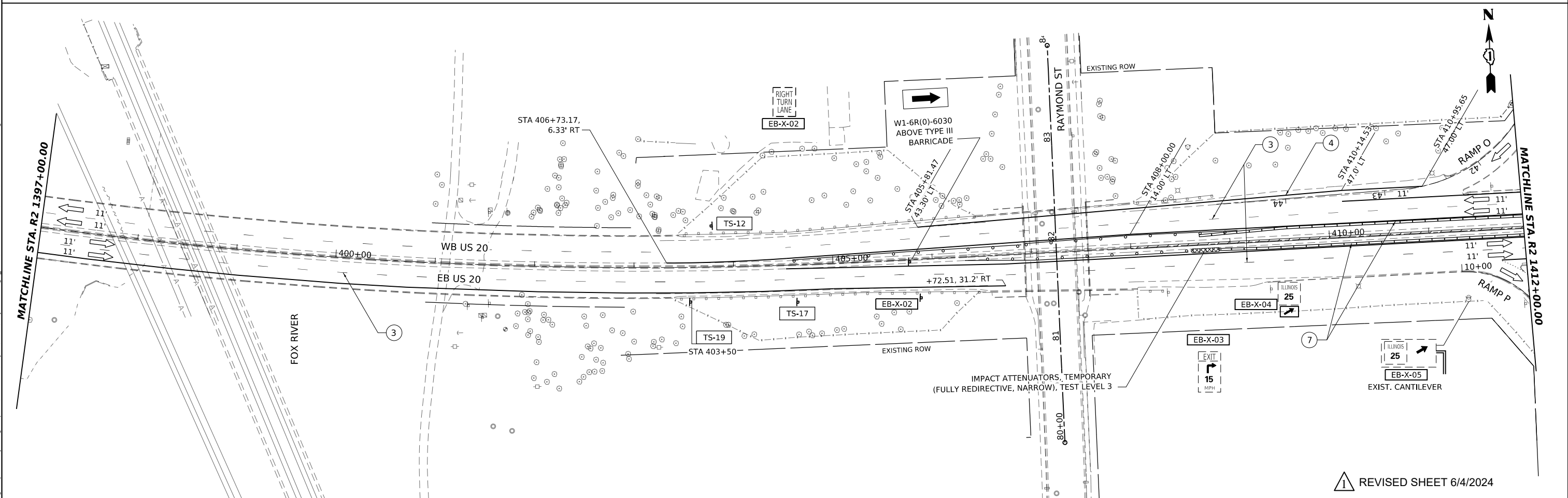
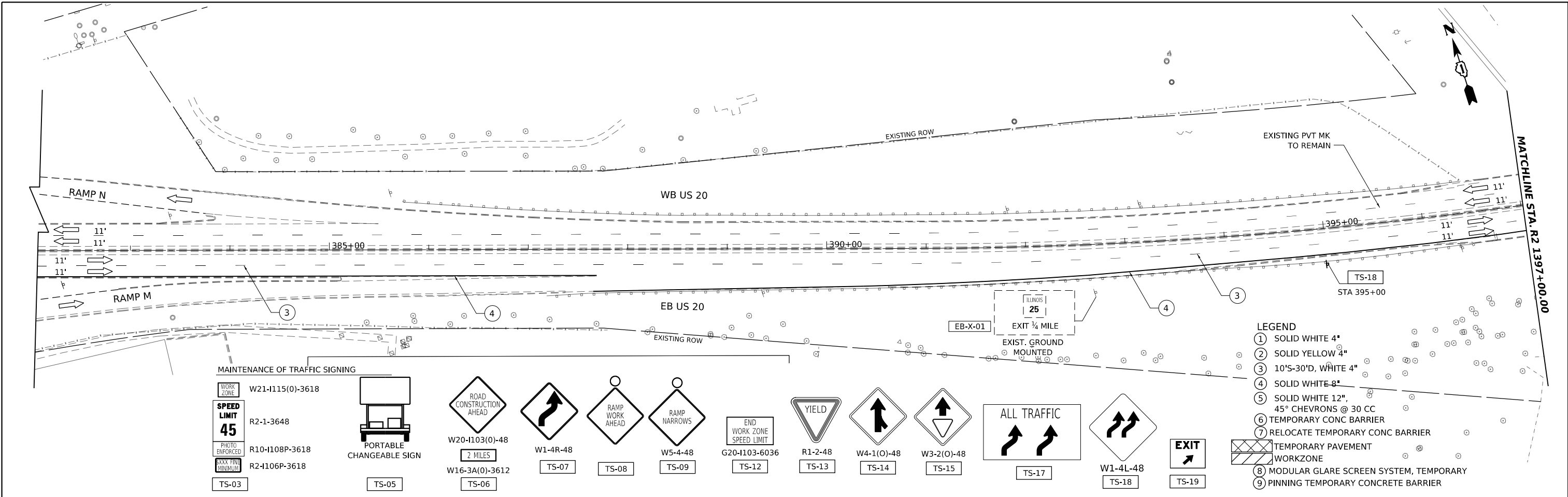
REVISOR SHEET 6/4/2024

GANNETT FLEMING	USER NAME: radan	DESIGNED: RR	REVISED: 5/29/2024 RA
	DRAWN: RA	REVISOR: RA	REVISOR: RA
	CHECKED: RR	REVISOR: RR	REVISOR: RR
	DATE: 3/20/2024	REVISOR: RR	REVISOR: RR
	PLOT DATE: 5/24/2024	REVISOR: RR	REVISOR: RR

SCALE: 1"=50' SHEET 10 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	60
CONTRACT NO. 62U83		ILLINOIS	FED. AID PROJECT	

MODEL: US20_Sht_MOT_Stage_2.dwg FILE NAME: p:\projects\2024\US20_Sht_MOT_Stage_2.dwg PROJECT: US20_Sht_MOT_Stage_2 CONTRACT: 62U83 SHEET: MOT_60



REVISED SHEET 6/4/2024

MODEL: US20_Sht_MOT_Stage_3-01
 FILE NAME: p:\projects\2024\20240606\Project_Work\RA_CADD\20240606\Contract\Sheets\01\2024_SHT_MOT.dgn



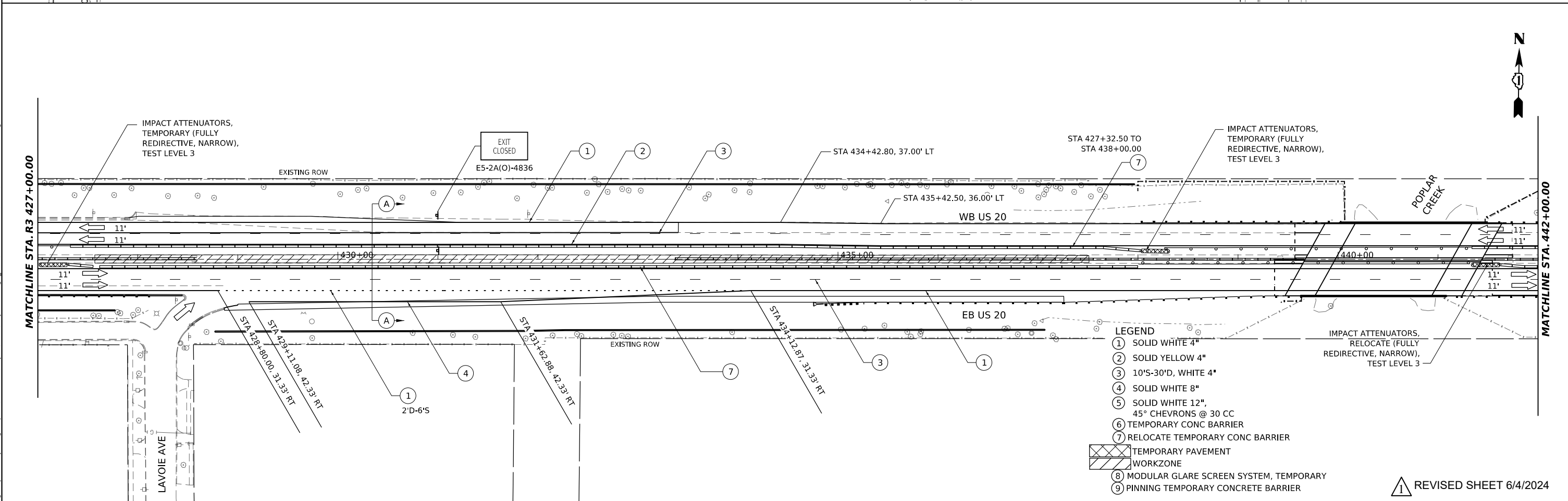
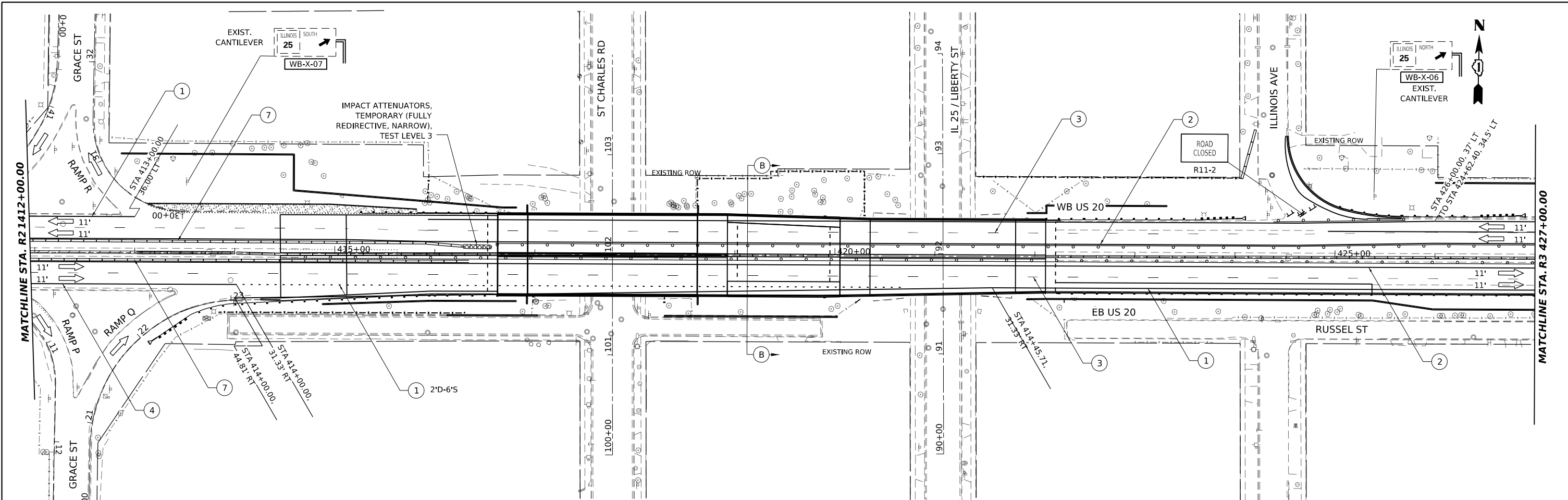
USER NAME	radan	DESIGNED	RR	REVISED	5/29/2024 RA
DRAWN	RA	REVISIONS			
PLOT SCALE	0.16666685"/in.	CHECKED	RR	REVISIONS	
PLOT DATE	5/24/2024	DATE	3/20/2024	REVISIONS	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
MAINTENANCE OF TRAFFIC STAGE 3**

SCALE: 1"=50' SHEET 13 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	63
CONTRACT NO. 62U83			ILLINOIS FED. AID PROJECT	



USER NAME	radan	DESIGNED -	RR	REVISED -	5/29/2024	RA
DRAWN -	RA	REVISIED -		REVISIED -		
PLOT SCALE	0.16666685" / in.	CHECKED -	RR	REVISIED -		
PLOT DATE	5/24/2024	DATE -	3/20/2024	REVISIED -		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
MAINTENANCE OF TRAFFIC STAGE 3**

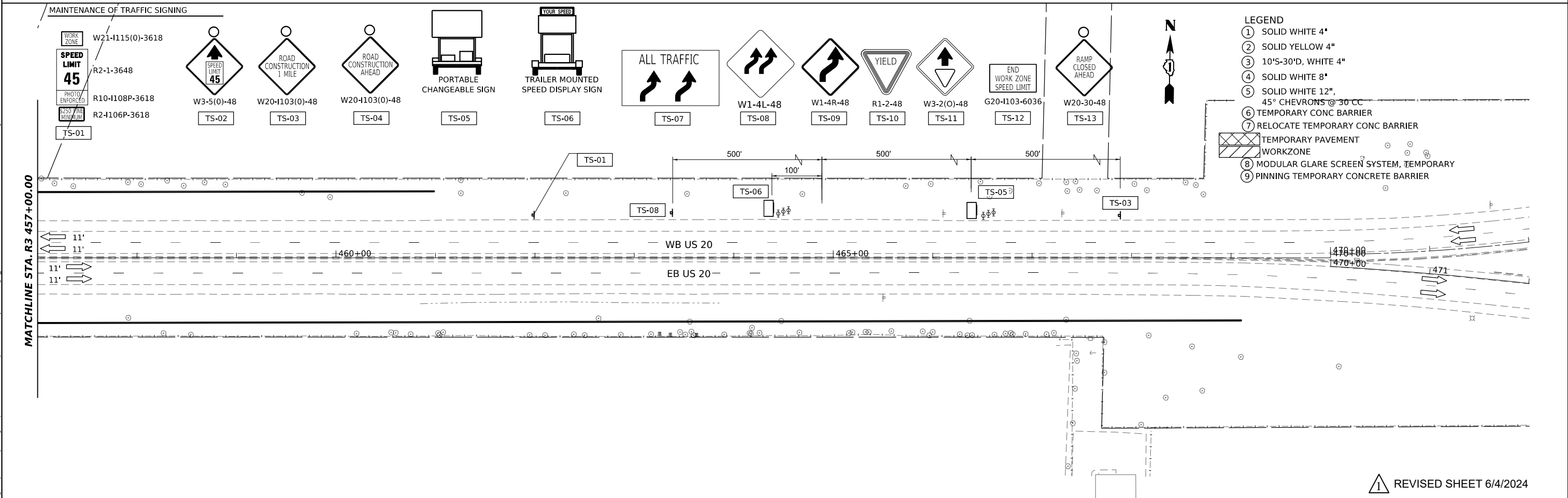
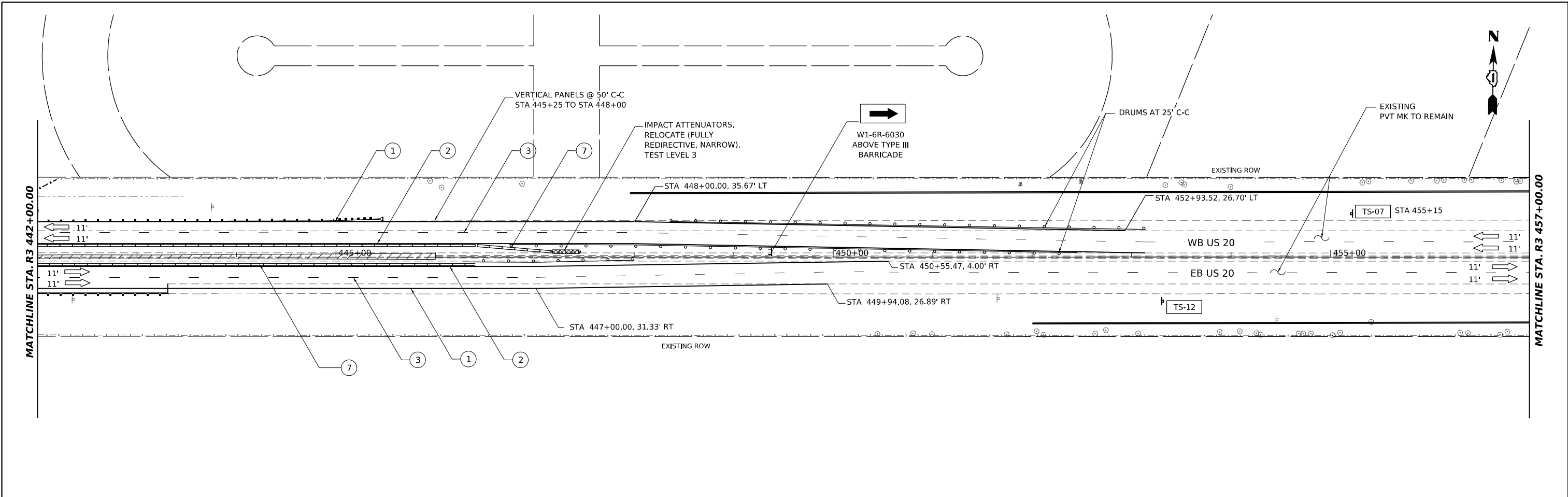
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	64
CONTRACT NO. 62U83				
ILLINOIS		FED. AID PROJECT		

SCALE: 1"=50' SHEET 14 OF SHEETS STA. TO STA.

- LEGEND**
- ① SOLID WHITE 4"
 - ② SOLID YELLOW 4"
 - ③ 10'S-30'D, WHITE 4"
 - ④ SOLID WHITE 8"
 - ⑤ SOLID WHITE 12", 45° CHEVRONS @ 30 CC
 - ⑥ TEMPORARY CONC BARRIER
 - ⑦ RELOCATE TEMPORARY CONC BARRIER
 - ⑧ TEMPORARY PAVEMENT WORKZONE
 - ⑧ MODULAR GLARE SCREEN SYSTEM, TEMPORARY
 - ⑨ PINNING TEMPORARY CONCRETE BARRIER

REVISIED SHEET 6/4/2024

MODEL: US20_Sht_MOT_Stage_3_02
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MODEL: US20_Sht_MOT_Stage_3-03
 FILE NAME: p:\projects\2024\06\US20_Maintenance\Project_Stage3\Drawings\Sheet\151183-SHT-MOT.dgn



USER NAME	radan	DESIGNED	RR	REVISED	5/29/2024 RA
DRAWN	RA	REVISIONS			
PLOT SCALE	0.16666685" / in.	CHECKED	RR	REVISIONS	
PLOT DATE	5/24/2024	DATE	3/20/2024	REVISIONS	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

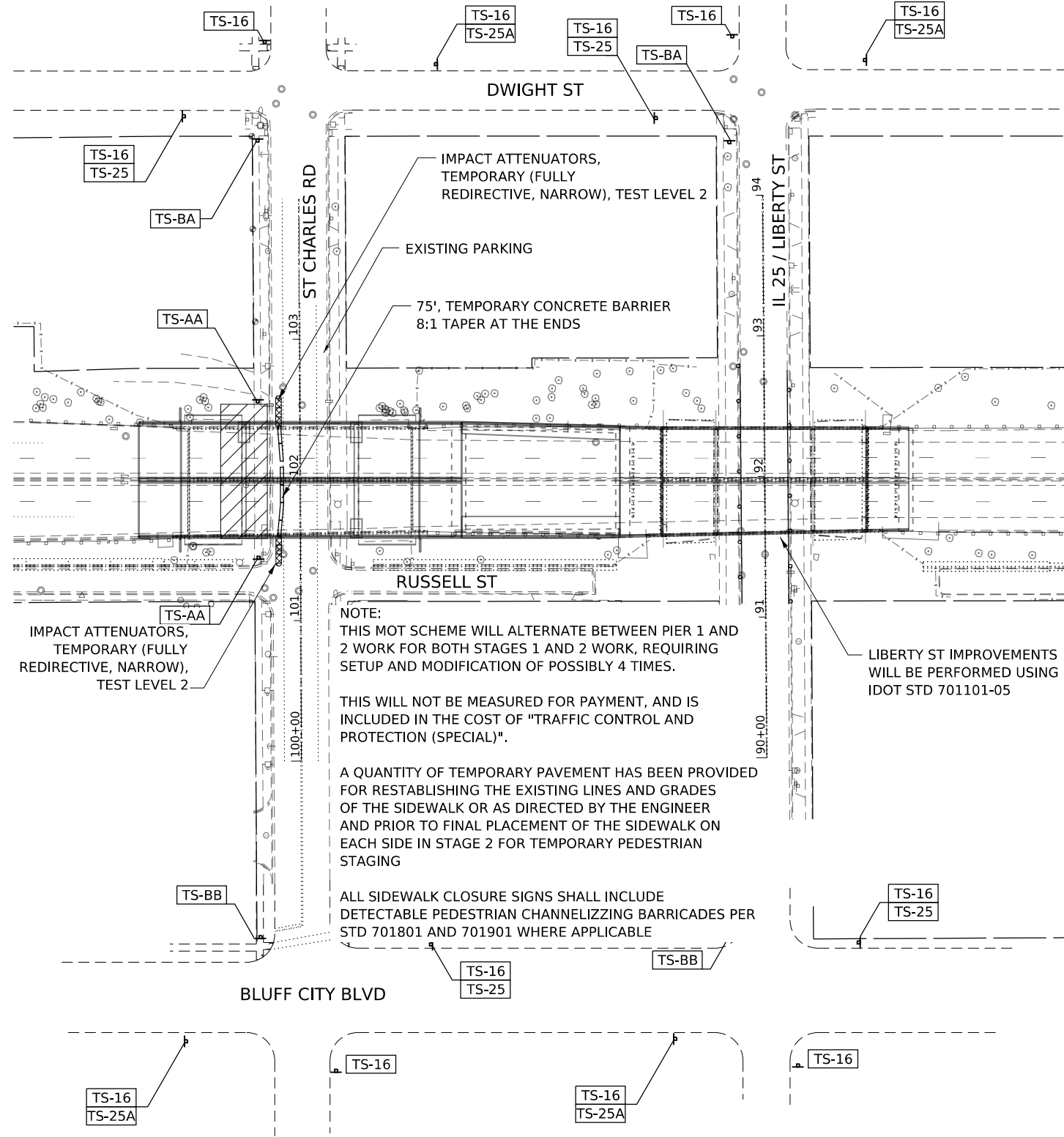
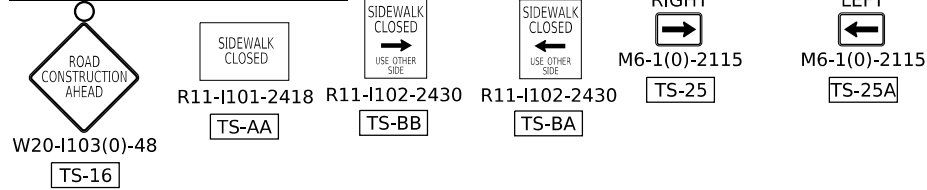
US 20: GRACE STREET TO SHALES PARKWAY
MAINTENANCE OF TRAFFIC STAGE 3

SCALE: 1"=50' SHEET 15 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	65
			CONTRACT NO. 62U83	
ILLINOIS FED. AID PROJECT				

REVISED SHEET 6/4/2024

MAINTENANCE OF TRAFFIC SIGNING



NOTE:
THIS MOT SCHEME WILL ALTERNATE BETWEEN PIER 1 AND 2 WORK FOR BOTH STAGES 1 AND 2 WORK, REQUIRING SETUP AND MODIFICATION OF POSSIBLY 4 TIMES.

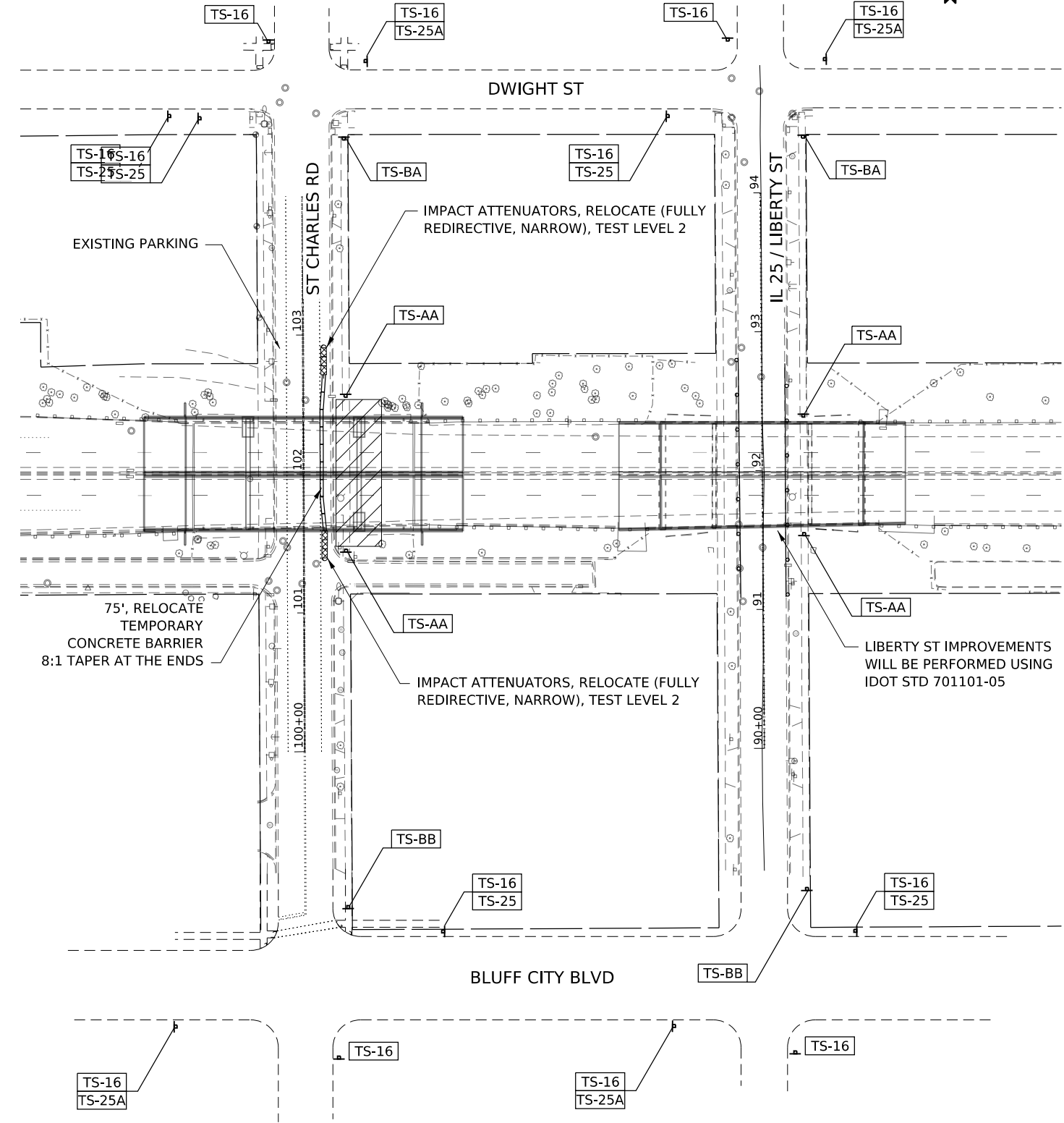
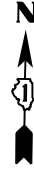
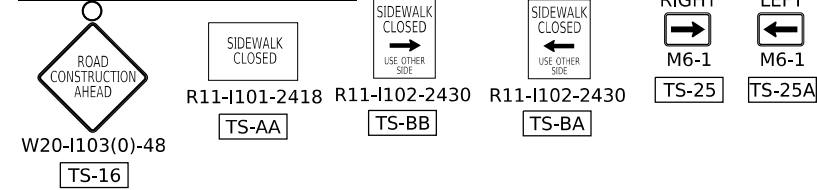
THIS WILL NOT BE MEASURED FOR PAYMENT, AND IS INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

A QUANTITY OF TEMPORARY PAVEMENT HAS BEEN PROVIDED FOR REESTABLISHING THE EXISTING LINES AND GRADES OF THE SIDEWALK OR AS DIRECTED BY THE ENGINEER AND PRIOR TO FINAL PLACEMENT OF THE SIDEWALK ON EACH SIDE IN STAGE 2 FOR TEMPORARY PEDESTRIAN STAGING

ALL SIDEWALK CLOSURE SIGNS SHALL INCLUDE DETECTABLE PEDESTRIAN CHANNELIZING BARRICADES PER STD 701801 AND 701901 WHERE APPLICABLE

LIBERTY ST IMPROVEMENTS WILL BE PERFORMED USING IDOT STD 701101-05

MAINTENANCE OF TRAFFIC SIGNING



75', RELOCATE TEMPORARY CONCRETE BARRIER 8:1 TAPER AT THE ENDS

LIBERTY ST IMPROVEMENTS WILL BE PERFORMED USING IDOT STD 701101-05

MODEL: US20 Charles Stages
FILE NAME: p:\projects\2024\us20\charles\mot\work\mva_cadd\62183-Contract1\Sheets\01\62183-SHT-MOT.dgn



USER NAME	radan	DESIGNED	RR	REVISED	5/29/2024 RA
DRAWN	RA	REVISIONS			
PLOT SCALE	0.16666685"/in.	CHECKED	RR	REVISIONS	
PLOT DATE	5/24/2024	DATE	3/20/2024	REVISIONS	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

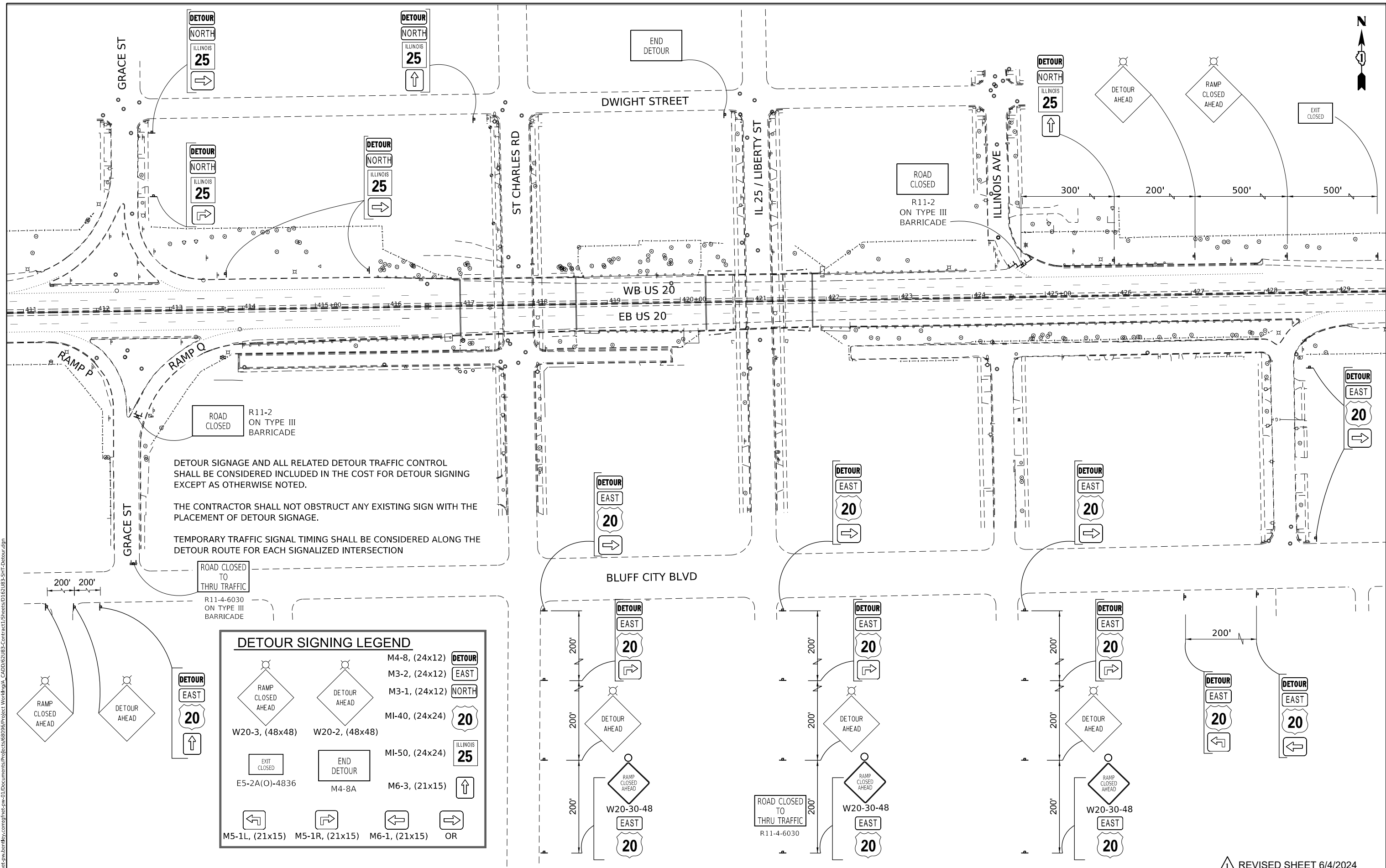
US 20: GRACE STREET TO SHALES PARKWAY
MOT AT ST CHARLES RD AND LIBERTY ST

SCALE: 1"=50'

SHEET 01 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	66
CONTRACT NO. 62U83			ILLINOIS FED. AID PROJECT	

REVISED SHEET 6/4/2024



DETOUR SIGNAGE AND ALL RELATED DETOUR TRAFFIC CONTROL SHALL BE CONSIDERED INCLUDED IN THE COST FOR DETOUR SIGNING EXCEPT AS OTHERWISE NOTED.

THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH THE PLACEMENT OF DETOUR SIGNAGE.

TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE CONSIDERED ALONG THE DETOUR ROUTE FOR EACH SIGNALIZED INTERSECTION

DETOUR SIGNING LEGEND			
		M4-8, (24x12)	DETOUR
		M3-2, (24x12)	EAST
		M3-1, (24x12)	NORTH
		M1-40, (24x24)	20
		M1-50, (24x24)	ILLINOIS 25
		M6-3, (21x15)	↑
		M5-1L, (21x15)	←
		M5-1R, (21x15)	→
		M6-1, (21x15)	OR

REVISED SHEET 6/4/2024

MODEL: Default
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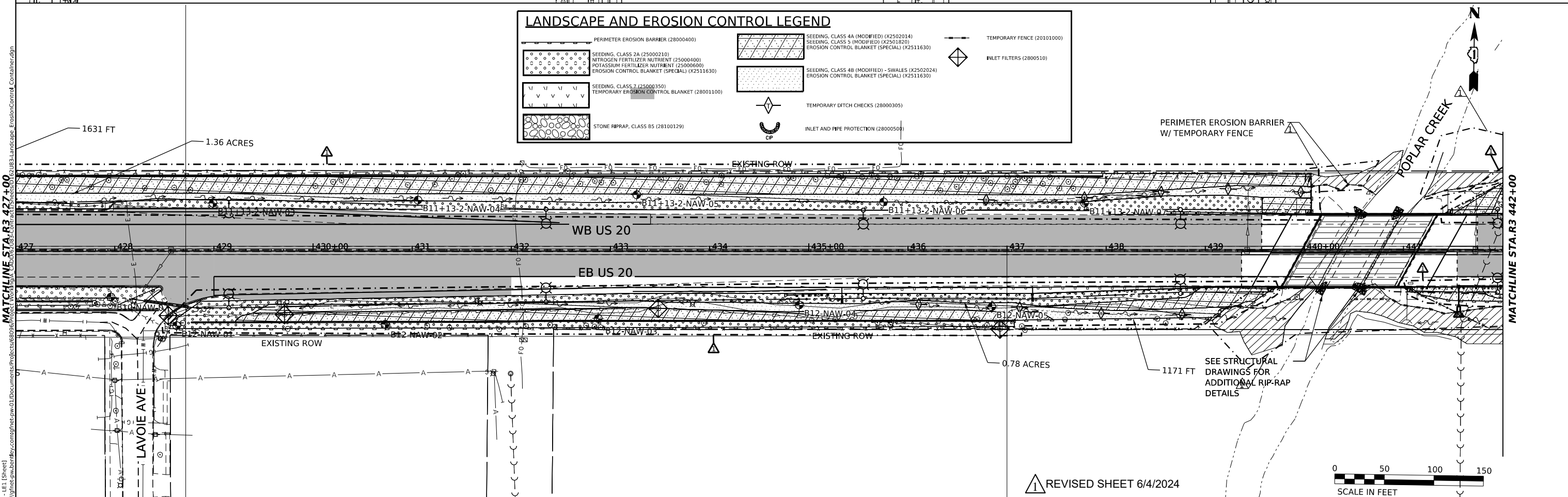
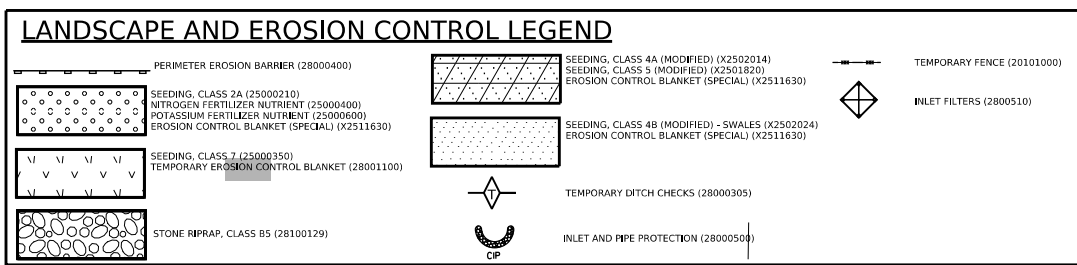
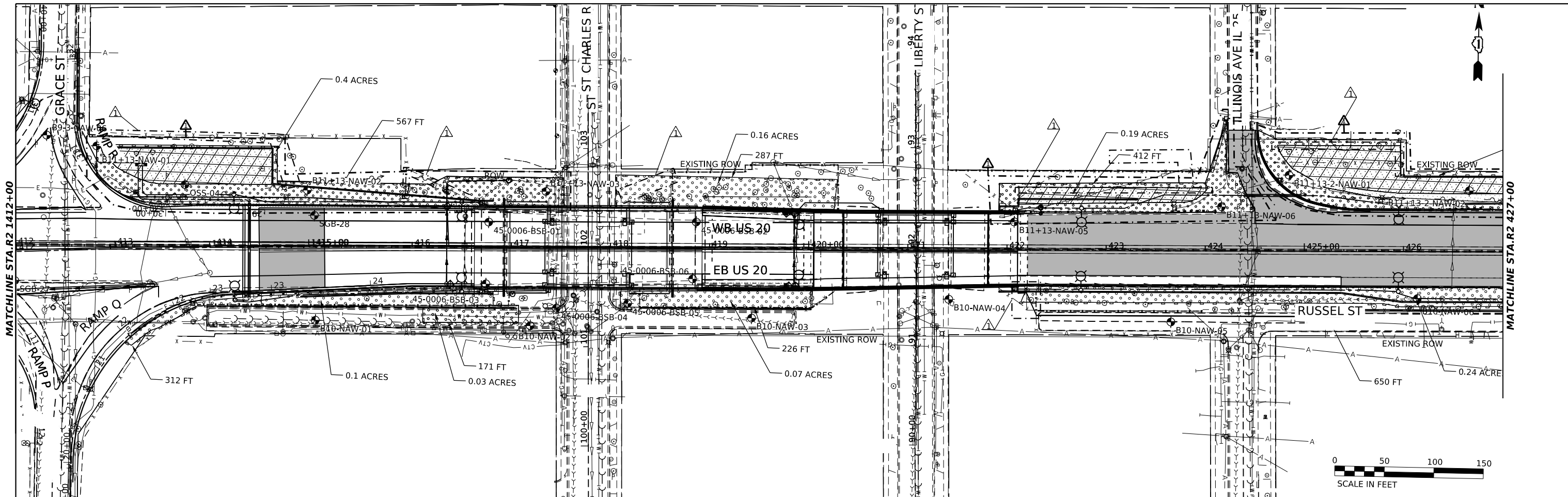


USER NAME	radan	DESIGNED	RA	REVISED	5/29/2024 RA
DRAWN	RA	CHECKED	RR	DATE	3/20/2024
PLOT SCALE	1/20,000' / in.				
PLOT DATE	5/24/2024				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOURS			
SCALE: 1"=60'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	67
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				



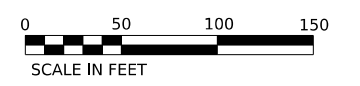
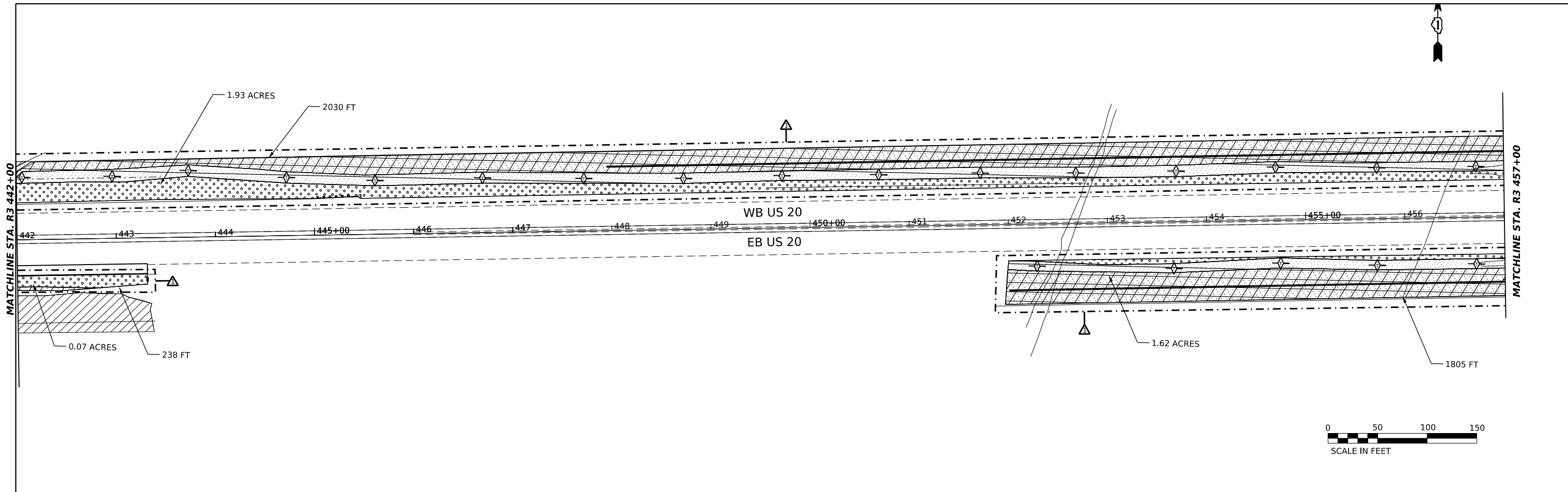
2im Group, LLC
 118 South Clinton St.
 Suite 350
 Chicago, IL 60661

USER NAME	radan	DESIGNED	YC	REVISED	5/29/2024 JD
DRAWN	YC	CHECKED	OIU	REVISION	
DATE	3/20/2024				

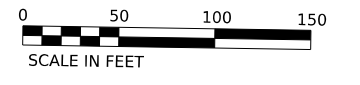
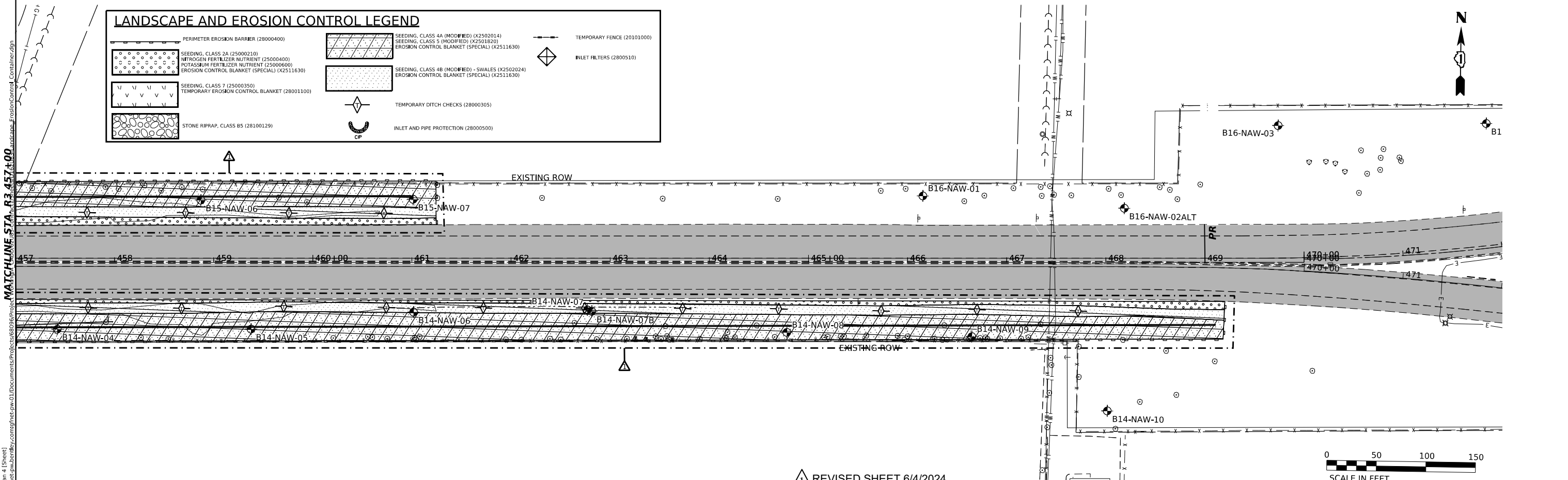
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US-20: GRACE STREET TO SHALES PKWY
PROPOSED LANDSCAPE AND EROSION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	77
CONTRACT NO. 62U83				



LANDSCAPE AND EROSION CONTROL LEGEND	
	PERIMETER EROSION BARRIER (28000400)
	SEEDING, CLASS 2A (25000210)
	NITROGEN FERTILIZER NUTRIENT (25000400)
	POTASSIUM FERTILIZER NUTRIENT (25000600)
	EROSION CONTROL BLANKET (SPECIAL) (X2511630)
	SEEDING, CLASS 7 (25000350)
	TEMPORARY EROSION CONTROL BLANKET (28001100)
	STONE RIPRAP, CLASS B5 (28100129)
	SEEDING, CLASS 4A (MODIFIED) (X2502014)
	SEEDING, CLASS 5 (MODIFIED) (X2501820)
	EROSION CONTROL BLANKET (SPECIAL) (X2511630)
	SEEDING, CLASS 4B (MODIFIED) - SWALES (X2502024)
	EROSION CONTROL BLANKET (SPECIAL) (X2511630)
	TEMPORARY FENCE (20101000)
	INLET FILTERS (2800510)
	TEMPORARY DITCH CHECKS (28000305)
	INLET AND PIPE PROTECTION (28000500)



REVISED SHEET 6/4/2024

MODEL: P_US20 - Plan 4 [Sheet]
 FILE NAME: I:\Design\Submittal\compsheet\plan\01\Documents\Process\620666\US20\US20_Landscape_ErosionControl_Contract.dgn
 MATCHLINE STA. R3 457+00

2IM Group, LLC
 118 South Clinton St.
 Suite 350
 Chicago, IL 60661

USER NAME	radan	DESIGNED	YC	REVISED	5/29/2024 JD
PLOT SCALE	0.16666685 1/ in.	DRAWN	YC	REVISED	-
PLOT DATE	5/26/2024	CHECKED	OIU	REVISED	-
		DATE	3/20/2024	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

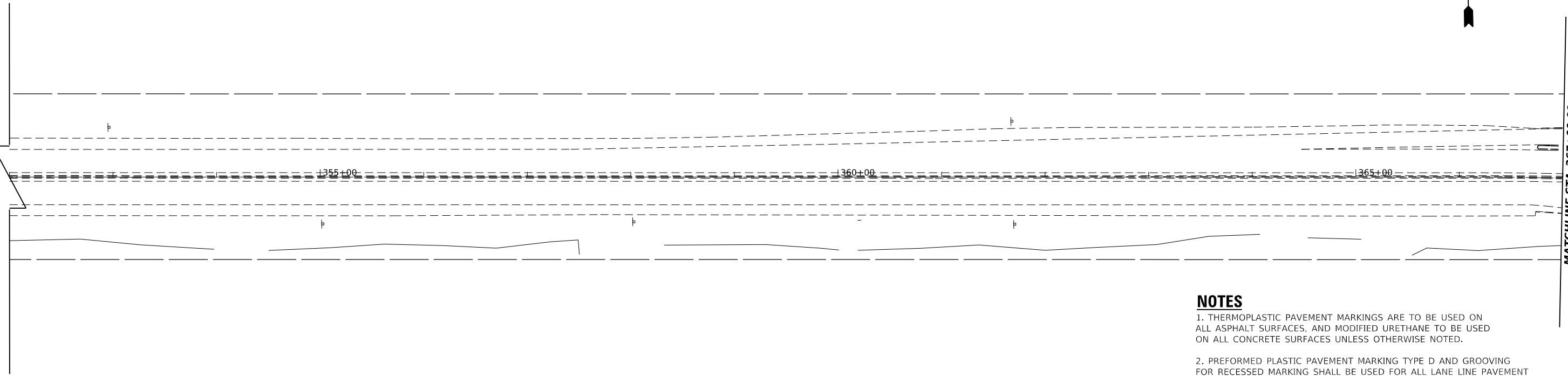
US-20: GRACE STREET TO SHALES PKWY
PROPOSED LANDSCAPE AND EROSION
 SCALE: 1" = 50' SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	78
			CONTRACT NO. 62U83	
ILLINOIS FED. AID PROJECT				



BREAKLINE STA. 352+00.00

MATCHLINE STA. 367+00.00



NOTES

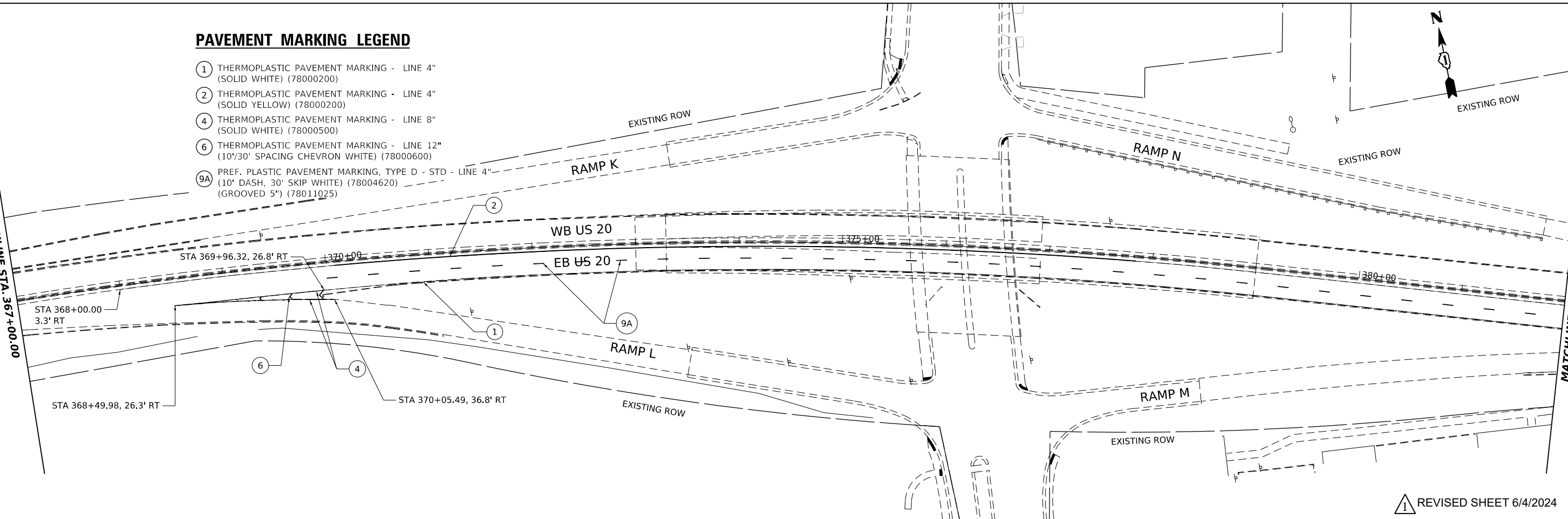
- 1. THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE USED ON ALL ASPHALT SURFACES, AND MODIFIED URETHANE TO BE USED ON ALL CONCRETE SURFACES UNLESS OTHERWISE NOTED.
- 2. PREFORMED PLASTIC PAVEMENT MARKING TYPE D AND GROOVING FOR RECESSED MARKING SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN BRIDGE LIMITS, PCC PAVEMENT, AND FOR LANE LINES ON ASPHALT PAVEMENTS.
- 3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS.

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78000500)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10'/30" SPACING CHEVRON WHITE) (78000600)
- ⑨A PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 4" (10' DASH, 30' SKIP WHITE) (78004620) (GROOVED 5") (78011025)

MATCHLINE STA. 367+00.00

MATCHLINE STA. 382+00.00



⚠️ REVISED SHEET 6/4/2024

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USER NAME	radan	DESIGNED - DE	REVISED - 5/29/2024 DE
DRAWN - DE	CHECKED - SMV	REVISIONS	
DATE - 3/20/2024			

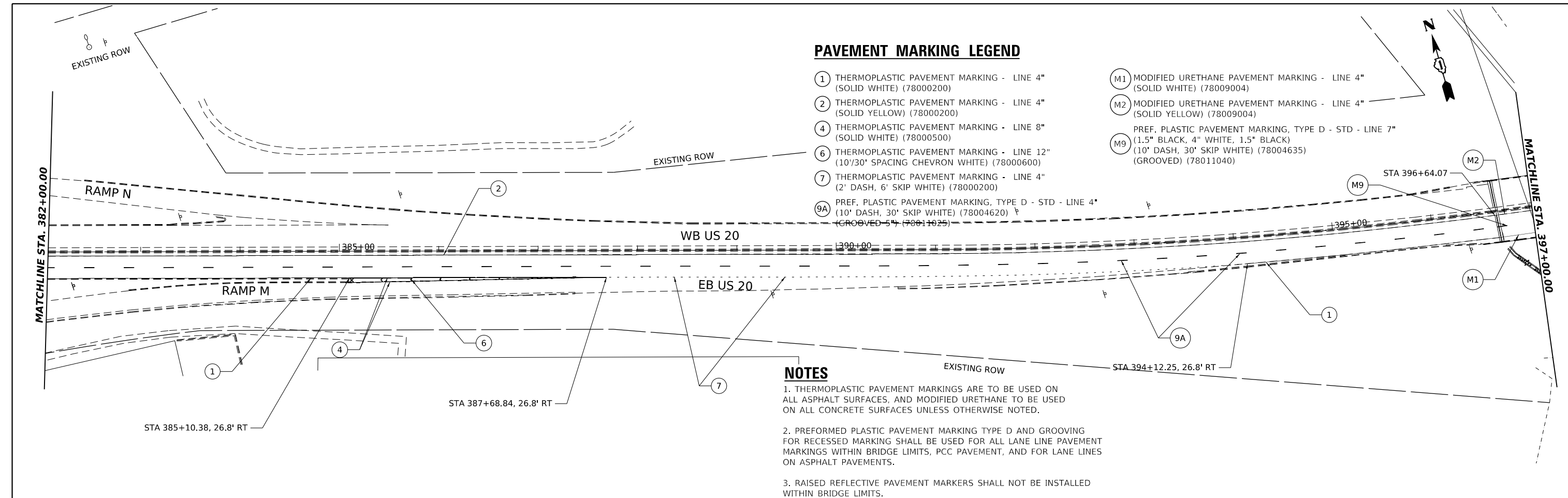
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US-20 RANDALL RD TO SHALES PKWY
PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET 1 OF 5 SHEETS STA. 352+00 TO STA. 382+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	104
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

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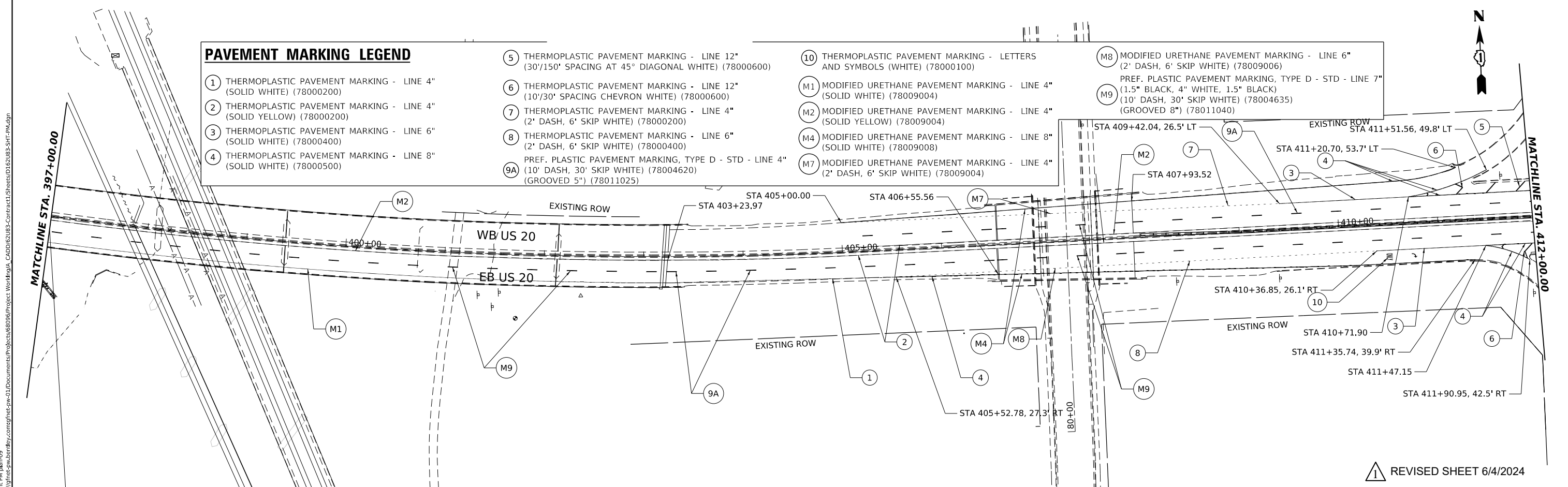


PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78000500)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10'/30" SPACING CHEVRON WHITE) (78000600)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (2' DASH, 6' SKIP WHITE) (78000200)
- ⑨A PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 4" (10' DASH, 30' SKIP WHITE) (78004620) (GROOVED 5") (78011025)
- Ⓜ1 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78009004)
- Ⓜ2 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78009004)
- Ⓜ9 PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH, 30' SKIP WHITE) (78004635) (GROOVED) (78011040)

NOTES

1. THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE USED ON ALL ASPHALT SURFACES, AND MODIFIED URETHANE TO BE USED ON ALL CONCRETE SURFACES UNLESS OTHERWISE NOTED.
2. PREFORMED PLASTIC PAVEMENT MARKING TYPE D AND GROOVING FOR RECESSED MARKING SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN BRIDGE LIMITS, PCC PAVEMENT, AND FOR LANE LINES ON ASPHALT PAVEMENTS.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS.



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE) (78000400)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78000500)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30'/150' SPACING AT 45° DIAGONAL WHITE) (78000600)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10'/30" SPACING CHEVRON WHITE) (78000600)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (2' DASH, 6' SKIP WHITE) (78000200)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' DASH, 6' SKIP WHITE) (78000400)
- ⑨A PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 4" (10' DASH, 30' SKIP WHITE) (78004620) (GROOVED 5") (78011025)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) (78000100)
- Ⓜ1 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78009004)
- Ⓜ2 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78009004)
- Ⓜ4 MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78009008)
- Ⓜ7 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (2' DASH, 6' SKIP WHITE) (78009004)
- Ⓜ8 MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (2' DASH, 6' SKIP WHITE) (78009006)
- Ⓜ9 PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH, 30' SKIP WHITE) (78004635) (GROOVED 8") (78011040)

▲ REVISED SHEET 6/4/2024



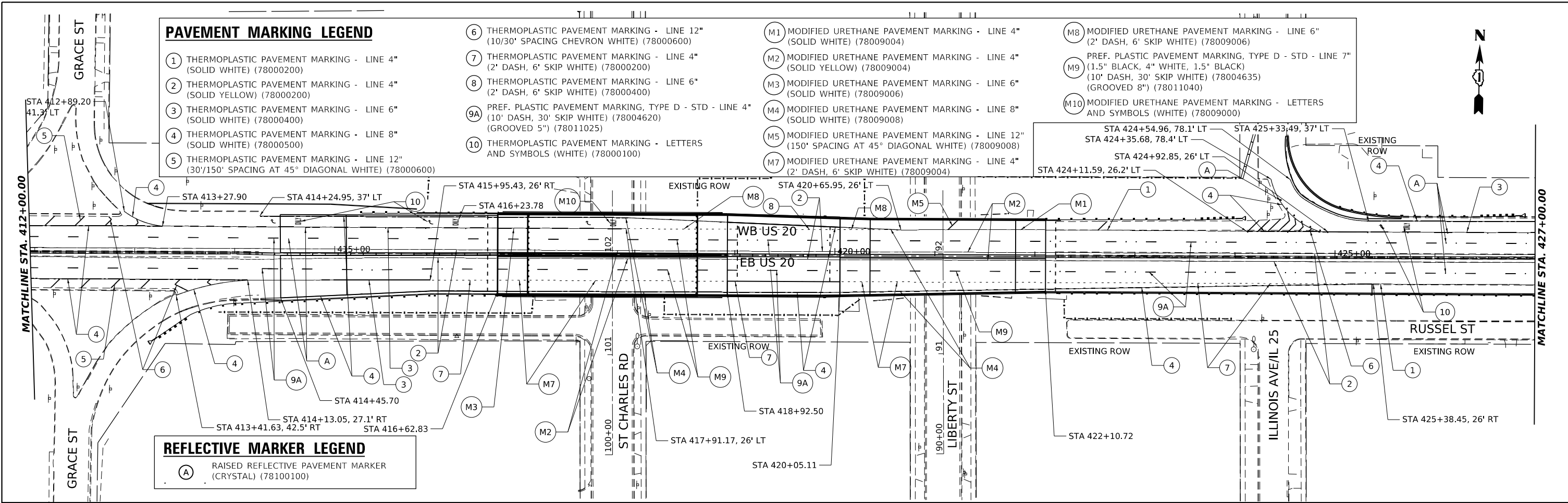
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DRAWN -	DE	REVISOR -		REVISOR -	
PLOT SCALE	0.16666685"/in.	CHECKED -	SMV	REVISOR -	
PLOT DATE	5/24/2024	DATE	3/20/2024	REVISOR -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US-20 RANDALL RD TO SHALES PKWY
PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET 2 OF 5 SHEETS STA. 1382+00 TO STA. 1412+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	105
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				



- PAVEMENT MARKING LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
 - ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
 - ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE) (78000400)
 - ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78000500)
 - ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30'/150' SPACING AT 45° DIAGONAL WHITE) (78000600)
 - ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10'/30' SPACING CHEVRON WHITE) (78000600)
 - ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (2' DASH, 6' SKIP WHITE) (78000200)
 - ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' DASH, 6' SKIP WHITE) (78000400)
 - ⑨A PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 4" (10' DASH, 30' SKIP WHITE) (78004620) (GROOVED 5") (78011025)
 - ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) (78000100)
 - M1 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78009004)
 - M2 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78009004)
 - M3 MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID WHITE) (78009006)
 - M4 MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78009008)
 - M5 MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (150' SPACING AT 45° DIAGONAL WHITE) (78009008)
 - M7 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (2' DASH, 6' SKIP WHITE) (78009004)
 - M8 MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (2' DASH, 6' SKIP WHITE) (78009006)
 - M9 PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH, 30' SKIP WHITE) (78004635) (GROOVED 8") (78011040)
 - M10 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) (78009000)

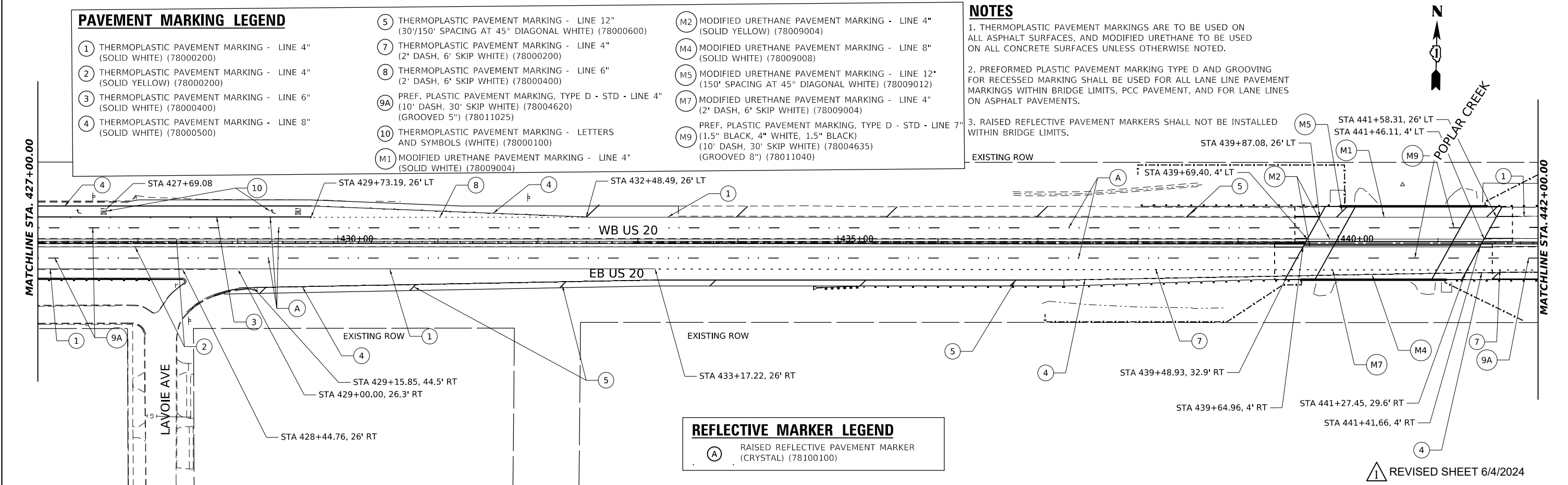
- REFLECTIVE MARKER LEGEND**
- A RAISED REFLECTIVE PAVEMENT MARKER (CRYSTAL) (78100100)

NOTES

1. THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE USED ON ALL ASPHALT SURFACES, AND MODIFIED URETHANE TO BE USED ON ALL CONCRETE SURFACES UNLESS OTHERWISE NOTED.
2. PREFORMED PLASTIC PAVEMENT MARKING TYPE D AND GROOVING FOR RECESSED MARKING SHALL BE USED FOR ALL LANE LINE PAVEMENT MARKINGS WITHIN BRIDGE LIMITS, PCC PAVEMENT, AND FOR LANE LINES ON ASPHALT PAVEMENTS.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS.

- PAVEMENT MARKING LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
 - ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
 - ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE) (78000400)
 - ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78000500)
 - ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30'/150' SPACING AT 45° DIAGONAL WHITE) (78000600)
 - ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (2' DASH, 6' SKIP WHITE) (78000200)
 - ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' DASH, 6' SKIP WHITE) (78000400)
 - ⑨A PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 4" (10' DASH, 30' SKIP WHITE) (78004620) (GROOVED 5") (78011025)
 - ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) (78000100)
 - M1 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78009004)
 - M2 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78009004)
 - M4 MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78009008)
 - M5 MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (150' SPACING AT 45° DIAGONAL WHITE) (78009012)
 - M7 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (2' DASH, 6' SKIP WHITE) (78009004)
 - M9 PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK) (10' DASH, 30' SKIP WHITE) (78004635) (GROOVED 8") (78011040)

- REFLECTIVE MARKER LEGEND**
- A RAISED REFLECTIVE PAVEMENT MARKER (CRYSTAL) (78100100)



USER NAME	radan	DESIGNED	DE	REVISED	5/29/2024	DE
PLOT SCALE	0.16666685" / in.	DRAWN	DE	REVISED		
PLOT DATE	5/24/2024	CHECKED	SMV	REVISED		
		DATE	3/20/2024	REVISED		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

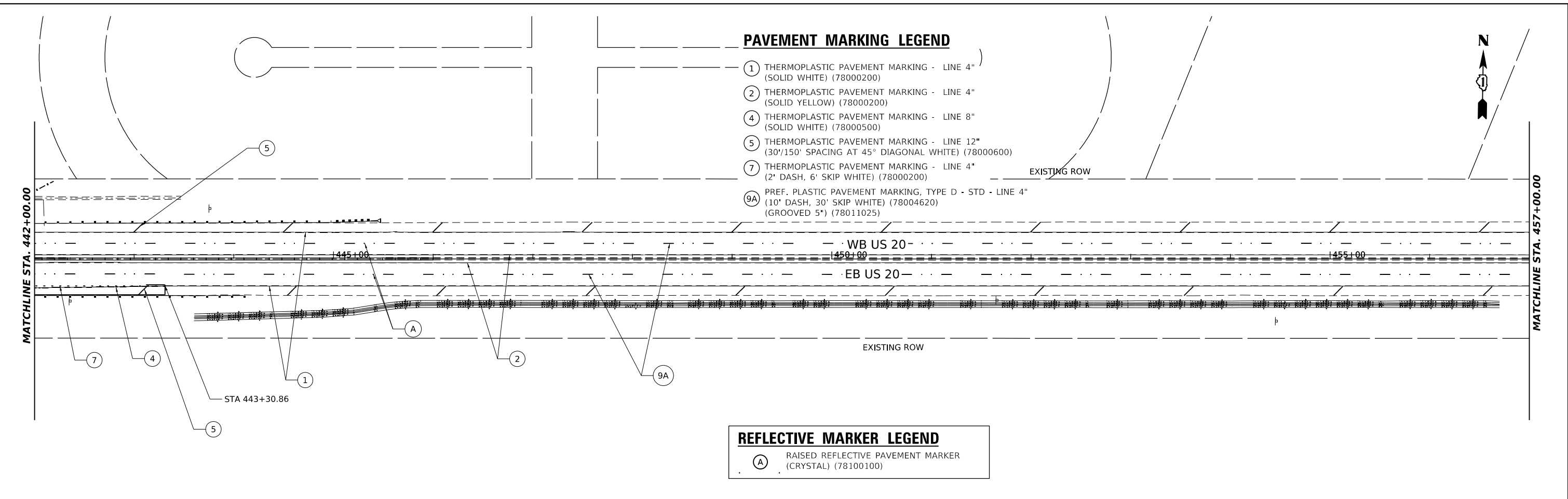
**US-20 RANDALL RD TO SHALES PKWY
PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. 1412+00 TO STA. 442+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	106
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

REVISOR SHEET 6/4/2024

MODEL: US20_Sht_PM_Plan-11
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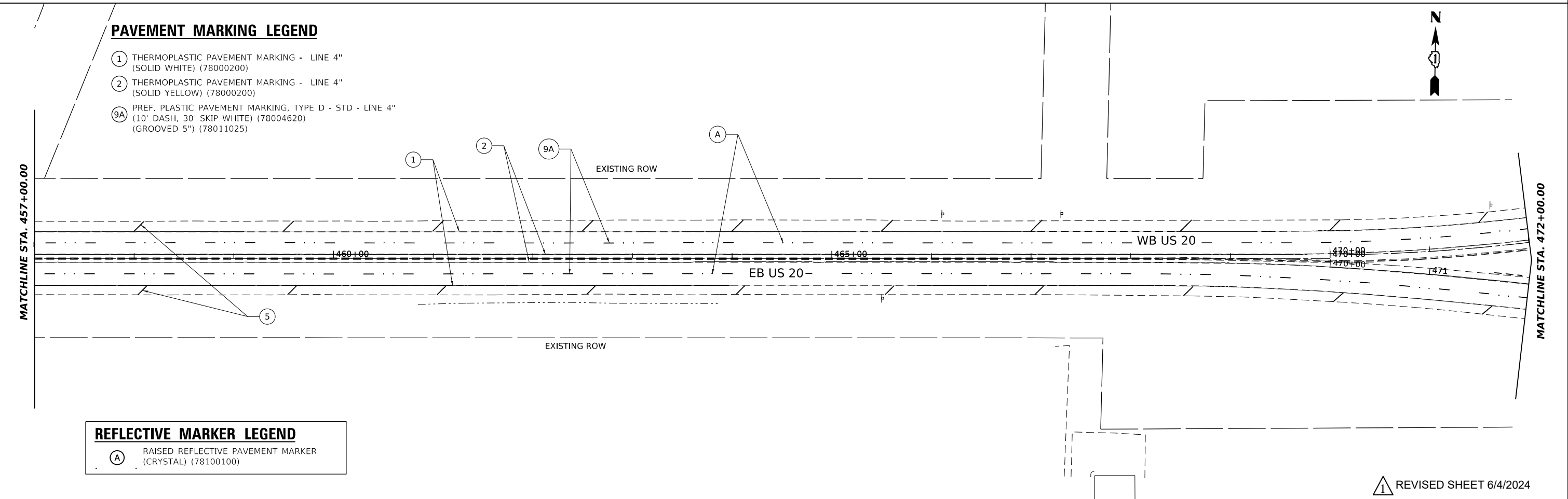


PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78000500)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30'/150' SPACING AT 45° DIAGONAL WHITE) (78000600)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (2' DASH, 6' SKIP WHITE) (78000200)
- ⑨A PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 4" (10' DASH, 30' SKIP WHITE) (78004620) (GROOVED 5") (78011025)

REFLECTIVE MARKER LEGEND

Ⓐ RAISED REFLECTIVE PAVEMENT MARKER (CRYSTAL) (78100100)



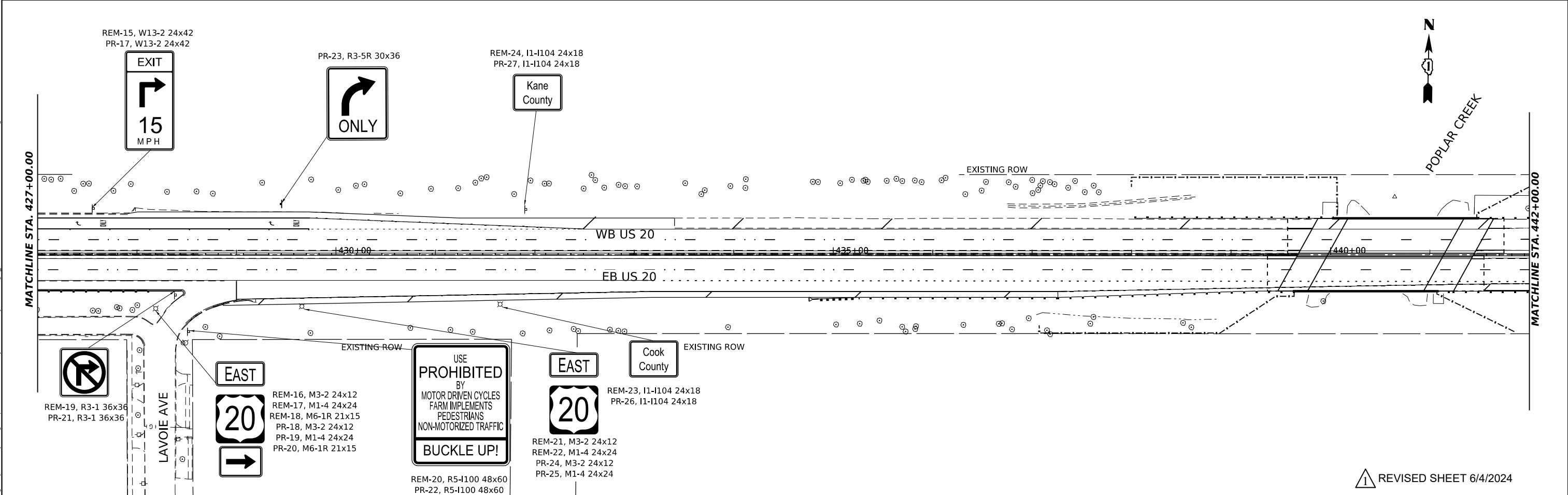
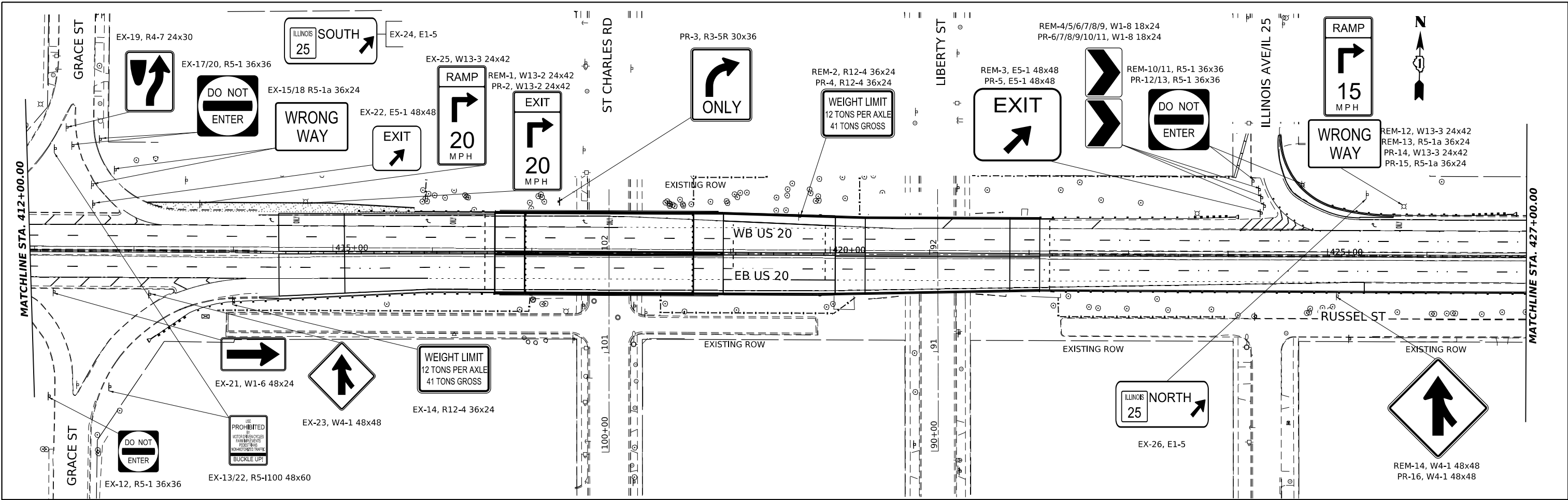
PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
- ⑨A PREF. PLASTIC PAVEMENT MARKING, TYPE D - STD - LINE 4" (10' DASH, 30' SKIP WHITE) (78004620) (GROOVED 5") (78011025)

REFLECTIVE MARKER LEGEND

Ⓐ RAISED REFLECTIVE PAVEMENT MARKER (CRYSTAL) (78100100)

	USER NAME = radan	DESIGNED - DE	REVISED - 5/29/2024 DE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US-20 RANDALL RD TO SHALES PKWY PAVEMENT MARKING PLAN	F.A.P. RTE. = 345	SECTION = FAP 345 23 BRIDGE	COUNTY = COOK/KANE	TOTAL SHEETS = 379	SHEET NO. = 107
	PLOT SCALE = 0.16666685 1/ in.	CHECKED - SMV	REVISIED -			SCALE: 1"=50'	SHEET 4 OF 5 SHEETS	STA. 442+00 TO STA. 472+00	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 5/24/2024	DATE = 3/20/2024	REVISIED -			REVISIED SHEET 6/4/2024		CONTRACT NO. 62U83		



▲ REVISED SHEET 6/4/2024

MODEL: US20_Sht_Signing_plan-02
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 PROJECT: US 20: GRACE STREET TO SHALES PARKWAY
 CONTRACT: 62U83

	USER NAME - radan	DESIGNED - DE	REVISED - 5/29/2024 DE
	DRAWN - DE	REVISOR - DE	
	CHECKED - SMV	REVISOR - DE	
	DATE - 3/20/2024	REVISOR - DE	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20: GRACE STREET TO SHALES PARKWAY
SIGNING PLAN

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 412+00 TO STA. 442+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	110
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

EX-27, E1-5 96x144

ILLINOIS	NORTH
25	EXIT 1/4 MILE
ILLINOIS	SOUTH
25	EXIT 1/2 MILE

Route 59	3
Chicago	36

REM-25, D2-2 48x24
PR-28, D2-2 48x24

EMERGENCY PARKING ONLY

EX-28, R8-4 30x24

TRAFFIC SIGNAL

Shales Pkwy
1 MILE

EX-29, E1-5

EMERGENCY PARKING ONLY

EX-31, R8-4 30x24

SPEED LIMIT 55

EX-32, R2-1 36x48

DR. MARTIN LUTHER KING JR. MEMORIAL HIGHWAY

EX-33, CUSTOM 36x24

SPEED LIMIT 50

EX-30, R2-1 30x36

MODEL: US20_Sht_Signing_plan-03
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 PROJECT: US20: GRACE STREET TO SHALES PARKWAY
 CONTRACT: 62U83
 SHEETS: 379 OF 379



USER NAME	radan	DESIGNED	DE	REVISED	5/29/2024 DE
DRAWN	DE	CHECKED	SMV	DATE	3/20/2024
PLOT SCALE	0.16666685 1/ in.	REVISIONS			
PLOT DATE	5/24/2024				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
SIGNING PLAN**

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 442+00 TO STA. 472+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	111
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

⚠️ REVISED SHEET 6/4/2024

SIGNING SCHEDULE

SIGN NUMBER	PROPOSED STATION	PROPOSED OFFSET	DESIGNATION	DESCRIPTION	PANEL WIDTH (IN)	PANEL HEIGHT (IN)	PANEL AREA (SQ FT)	72000100	72000200	72800100	73000100
								SIGN PANEL T1	SIGN PANEL T2	TELESCOPING STEEL	WOOD SIGN
								(SQ FT)	(SQ FT)	SIGN SUPPORT (LF) P1	SUPPORT (FT)
PR-1	410+92	52.3 RT	R3-5R	RIGHT TURN ONLY	30	36	7.5	7.5		13	
PR-2	UTILITY	UTILITY	W13-2	ADVISORY EXIT 20 MPH	24	42	7.0	7.0		13	
PR-3	417+26	51.4 LT	R3-5R	RIGHT TURN ONLY	30	36	7.5	7.5		13	
PR-4	419+70	43.9 LT	R12-4	WEIGHT LIMIT	36	24	6.0	6.0		14	
PR-5	424+34	43.1 LT	E5-1	EXIT GORE	48	48	16.0		16.0	14	
PR-6	424+37	50.1 LT	W1-8	CHEVRON ALIGNMENT	18	24	3.0	3.0			
PR-7	424+37	50.1 LT	W1-8	CHEVRON ALIGNMENT	18	24	3.0	3.0		17	
PR-8	424+34	58.61 LT	W1-8	CHEVRON ALIGNMENT	18	24	3.0	3.0			
PR-9	424+34	58.61 LT	W1-8	CHEVRON ALIGNMENT	18	24	3.0	3.0		16	
PR-10	424+31	66.6 LT	W1-8	CHEVRON ALIGNMENT	18	24	3.0	3.0			
PR-11	424+31	66.6 LT	W1-8	CHEVRON ALIGNMENT	18	24	3.0	3.0		15	
PR-12	424+25	75.6 LT	R5-1	DO NOT ENTER	36	36	9.0	9.0		13	
PR-13	UTILITY	UTILITY	R5-1	DO NOT ENTER	36	36	9.0	9.0			
PR-14	UTILITY	UTILITY	W13-3	RAMP SPEED 15 MPH	24	32	5.3	5.3			
PR-15	UTILITY	UTILITY	R5-1a	WRONG WAY	36	24	6.0	6.0			
PR-16	425+09	40.9 RT	W4-1	MERGE	48	48	16.0		16.0		13
PR-17	427+56	46.6 LT	W13-2	ADVISORY EXIT 15 MPH	24	32	5.3	5.3			15
PR-18	428+19	54.3 RT	M3-2	EAST	24	12	2.0	2.0			
PR-19	428+19	54.3 RT	M1-4	US ROUTE 20	24	24	4.0	4.0			
PR-20	428+19	54.3 RT	M6-1R	RIGHT DIRECTIONAL ARROW	21	15	2.2	2.2			
PR-21	428+39	40.5 RT	R3-1	NO RIGHT TURN	36	36	9.0	9.0		14	
PR-22	428+51	77.8 RT	R5-I100	FREEWAY EXCLUSION	48	60	20.0		20.0		18
PR-23	429+54	51.1 LT	R3-5R	RIGHT TURN ONLY	30	36	7.5	7.5		13	
PR-24	UTILITY	UTILITY	M3-2	EAST	24	12	2.0	2.0			
PR-25	UTILITY	UTILITY	M1-4	US ROUTE 20	24	24	4.0	4.0			
PR-26	UTILITY	UTILITY	I1-I104	COOK COUNTY	24	18	3.0	3.0			
PR-27	430+92	45.7 LT	I1-I104	KANE COUNTY	24	18	3.0	3.0		12	
PR-28	442+36	42.2 RT	D2-2	DISTANCE - ROUTE 59 3/CHICAGO 36	48	24	8.0	8.0			26
Total								125.4	52	154.0	72.0

SIGN NUMBER	EXISTING STATION	EXISTING OFFSET	PROPOSED STATION	PROPOSED OFFSET	DESIGNATION	DESCRIPTION	PANEL WIDTH (IN)	PANEL HEIGHT (IN)	PANEL AREA (SQ FT)	72400710	72400500
										SIGN PANEL T1	RELOCATE
										(SQ FT)	RELOCATE SIGN PANEL ASSEMBLY TA EACH
REL-1	409+39	48.3' RT	405+52	35.9' RT	M1-I100	ILLINOIS ROUTE 25	24	24	4.0	4.0	1
REL-2	409+39	48.3' RT	405+52	35.9' RT	M6-2R	DIAGONAL UP ARROW	21	15	2.2	2.2	1
Total										6.2	1

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USER NAME	radan	DESIGNED -	DE	REVISED -	5/29/2024 DE
DRAWN -	DE	CHECKED -	SMV	REVISED -	
PLOT SCALE	100,00010728' / 1in.	DATE	3/20/2024	REVISED -	
PLOT DATE	5/24/2024				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 20: GRACE STREET TO SHALES PARKWAY
SIGNING SCHEDULE**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345 23 BRIDGE	COOK/KANE	379	113
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

1 REVISED SHEET 6/4/2024

Benchmark: Cut "Γ" on NW corner of Pier 1 on E side of St. Charles St. & 38 feet N of US 20.
Elev. = 737.093

Existing Structure: None

Staging: See MOT plans

INDEX OF SHEETS

- 1 - General Plan & Elevation I
- 2 - General Plan & Elevation II
- 3 - General Notes
- 4 - Details I
- 5 - Details II
- 6 - Soil Borings I
- 7 - Soil Borings II
- 8 - Soil Borings III
- 9 - Soil Borings IV

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

f'c= 4,000 psi
fy= 60,000 psi (Reinforcement)
fy= 50,000 psi (M270 Grade 50, posts)
fy= 36,000 psi (M270 Grade 36, all other structural steel)

PRECAST UNITS

f'c= 4,500 psi
fy= 60,000 psi (Reinforcement)
fy= 65,000 psi (Welded Wire Reinforcement)

DESIGN LOADING

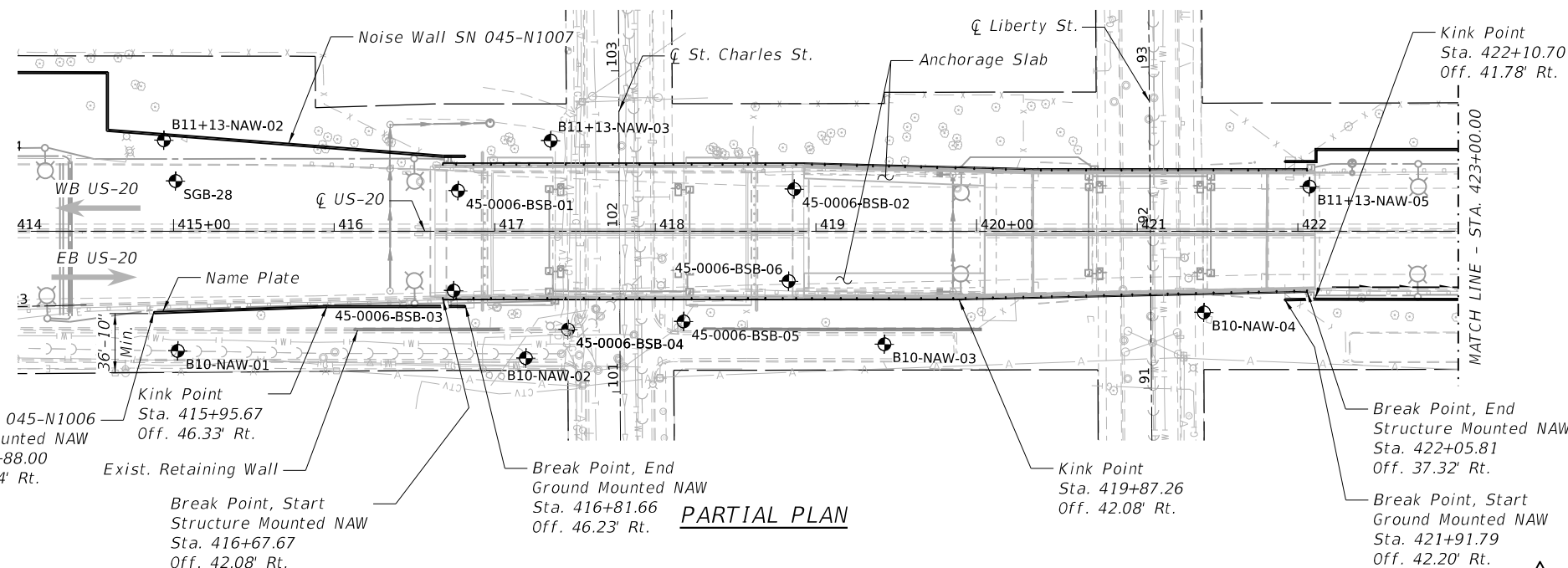
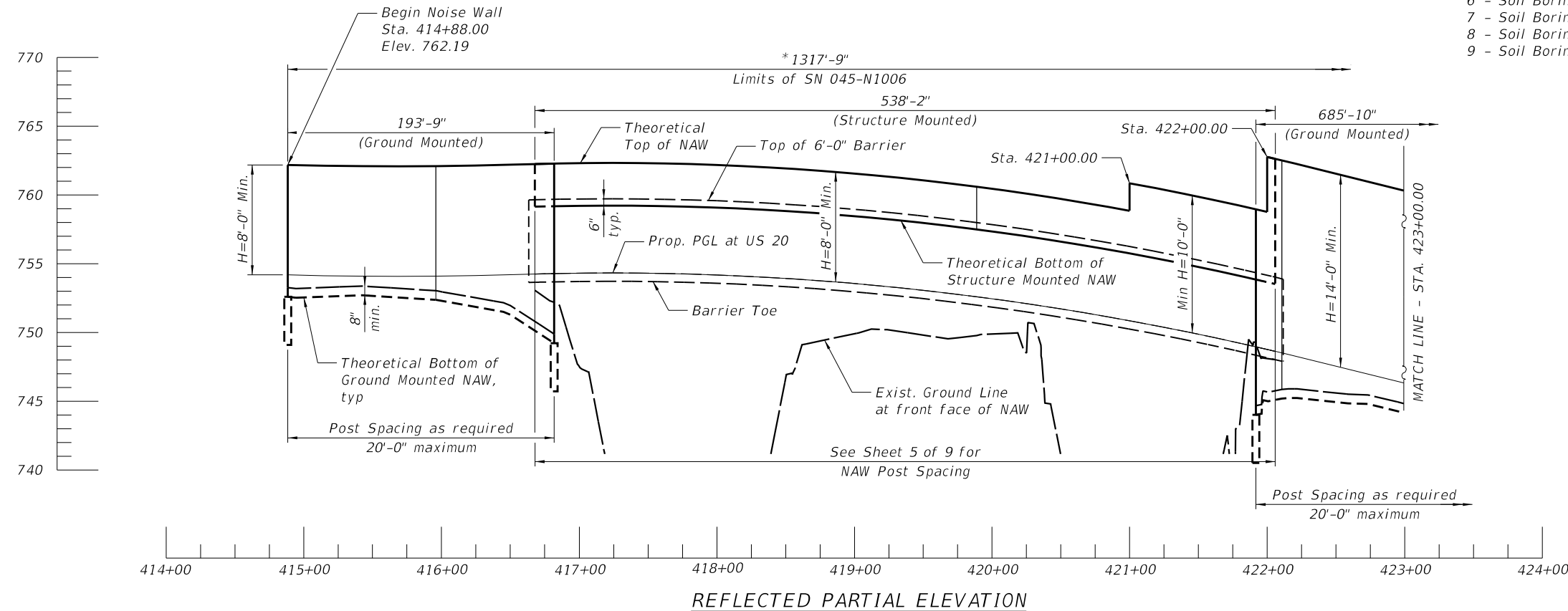
Structure Mounted Dead Load: 65 psf (Unfactored)
Vehicular Load: AASHTO LRFD Article 15.8.4 - TL-5 Criteria
Strength III or V Wind: 35 psf
Service I Wind: 15 psf

NOTES:

- 1. Stations and Offsets are measured from \bar{C} US 20 to front face of Wall.

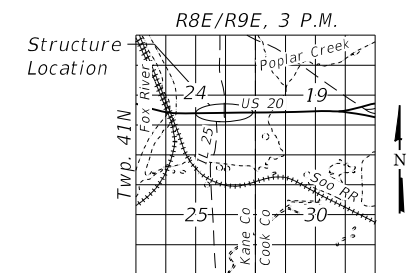
LEGEND

- Soil Boring
- Exist. R.O.W.
- Exist. Water Main
- Exist. Sanitary Sewer
- Exist. Storm Sewer
- Exist. Gas
- Exist. Underground Tele.
- Exist. CTV
- Exist. Fence
- Exist. Aerial Lines
- Exist. Underground Electric
- Prop. Storm Sewer
- Prop. Lighting Cable in Duct
- NAW Noise Abatement Wall



Expires November 30, 2024

Date: 5/28/2024



**GENERAL PLAN & ELEVATION
NOISE ABATEMENT WALL B10
ALONG EB US-20**

F.A.P. RTE. 345 - SEC 345-23-BR

KANE COUNTY

STATION 414+88.00 to 427+77.00

STRUCTURE NO. 045-N1006

REVISED SHEET 6/4/2024

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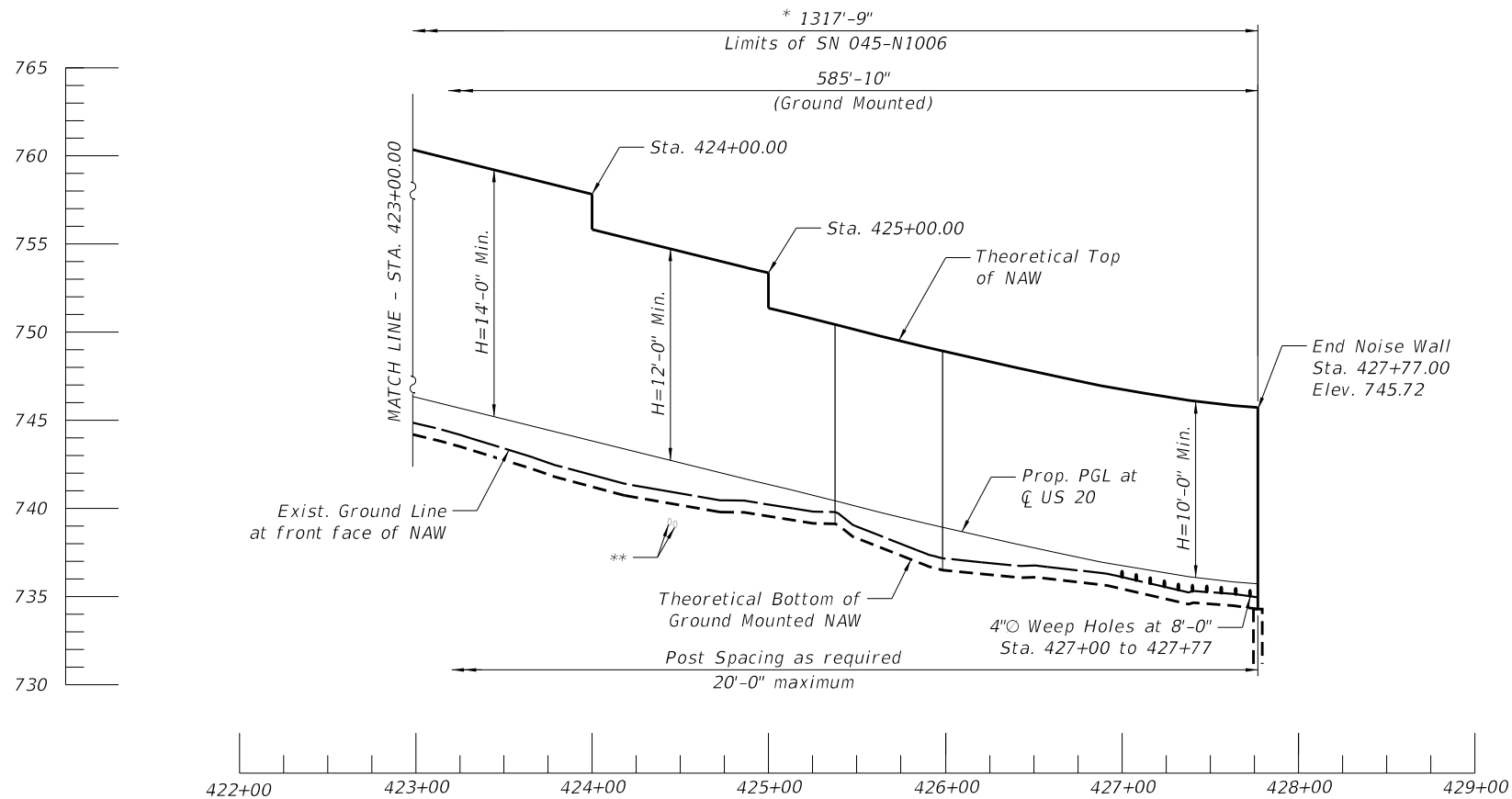
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PLOT DATE = 5/28/2024	DRAWN - BAH	REVISED -
	CHECKED - ECK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION I
STRUCTURE NO. 045-N1006

SHEET 1 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345-23-BR	KANE	379	258
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

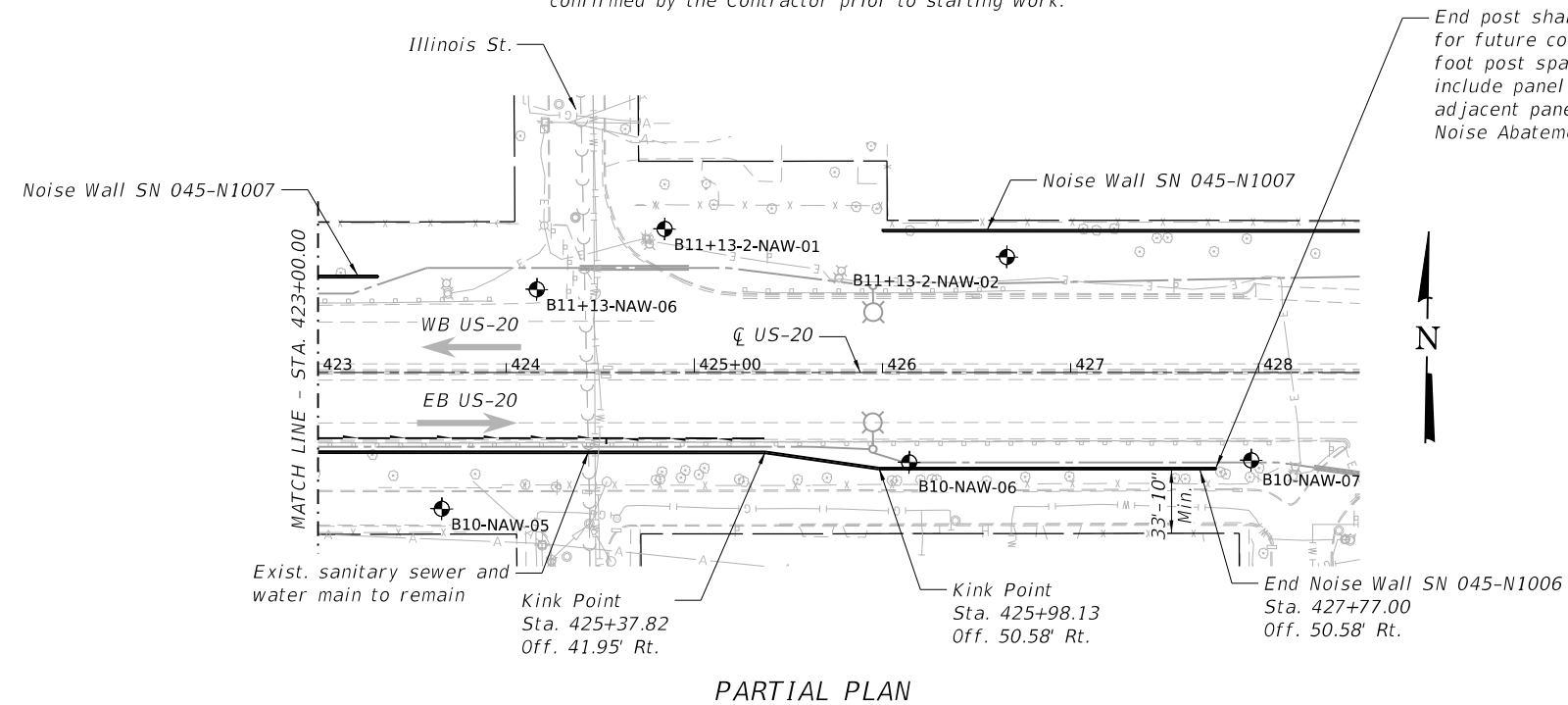


WALL ELEVATION INFORMATION

Station	Offset	Theoretical Top of NAW Elev.	Exist. Ground Elev. at front face of NAW	Theoretical Bottom of NAW Elev.	Prop. PGL Elev. at C US 20
414+88.00	50.14 Rt.	762.15	753.27	752.60	754.19
415+00.00	49.72 Rt.	762.16	753.21	752.55	754.16
416+00.00	46.32 Rt.	762.11	752.96	752.29	754.11
416+81.66	46.23 Rt.	762.29	749.88	749.22	754.29
416+67.67	42.08 Rt.	762.26	-	759.15	754.26
417+00.00	42.08 Rt.	762.32	-	759.21	754.32
418+00.00	42.08 Rt.	762.19	-	759.08	754.19
419+00.00	42.08 Rt.	761.56	-	758.46	753.56
420+00.00	41.84 Rt.	760.45	-	757.36	752.45
421+00.00	39.64 Rt.	760.86	-	755.80	750.86
422+00.00	37.45 Rt.	762.77	-	753.76	748.77
422+05.81	37.32 Rt.	762.63	-	753.62	748.63
421+91.79	42.20 Rt.	758.96	744.67	744.01	748.96
422+00.00	42.02 Rt.	762.77	745.68	745.01	748.77
423+00.00	41.83 Rt.	760.31	744.82	744.16	746.31
424+00.00	41.88 Rt.	755.83	741.90	741.23	743.83
425+00.00	41.93 Rt.	751.36	740.22	739.56	741.36
426+00.00	50.58 Rt.	748.89	737.15	736.48	738.89
427+00.00	50.58 Rt.	746.75	736.10	735.44	736.75
427+77.00	50.58 Rt.	745.72	734.96	734.29	735.72

REFLECTED PARTIAL ELEVATION

* Measured along front face of Wall.
 ** Exist. utility to remain. Depth of utility to be confirmed by the Contractor prior to starting work.



End post shall be designed and detailed for future continuation of NAW at 20 foot post spacing. The post shall include panel connection type similar to adjacent panel. Cost included with Noise Abatement Wall, Ground Mounted.

LEGEND

	Soil Boring
	Exist. R.O.W.
	Exist. Water Main
	Exist. Sanitary Sewer
	Exist. Storm Sewer
	Exist. Gas
	Exist. Underground Tele.
	Exist. CTV
	Exist. Fence
	Exist. Aerial Lines
	Exist. Underground Electric
	Prop. Storm Sewer
	Prop. Lighting Cable in Duct
	NAW

PARTIAL PLAN

REVISED SHEET 6/4/2024

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BURNS MCDONNELL	USER NAME = eckay	DESIGNED - ECK	REVISED - 5/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION II STRUCTURE NO. 045-N1006	F.A.P. RTE. 345	SECTION FAP 345-23-BR	COUNTY KANE	TOTAL SHEETS 379	SHEET NO. 259
	PLOT SCALE = 100,000' / in.	CHECKED - GEK	REVISED -			SHEET 2 OF 9 SHEETS	CONTRACT NO. 62U83			
	PLOT DATE = 5/28/2024	DRAWN - BAH	REVISED -	ILLINOIS FED. AID PROJECT						

GENERAL NOTES:

- Stations and Offsets are measured from ϕ US 20 to front face of the proposed noise wall.
- 4" ϕ weep holes shall be provided through wall panels at the ground level at a spacing of 8 ft as shown on the contract plans. Cost of weep holes included with Noise Abatement Wall, of the type specified.
- Type, size and spacing of posts, noise wall panels, drilled shaft and size embedment length, reinforcement details, lifting bars and wall limits including top and bottom of wall shall be determined by the Contractor and shall be designed to avoid conflicts with the existing facilities. Cost included with Noise Abatement Wall, of the type specified.
- The contractor shall review the maintenance of traffic plans. The Construction of Noise Abatement Wall may need to be sequenced to match the roadway sequence of construction and the Contractor may not be able to construct the NAW in one continuous operation. Additional mobilization/demobilization required will not be measured for payment, but shall be included in the cost of Noise Abatement Wall, of the type specified.
- The Contractor shall verify locations of all existing utilities and structures and shall take all necessary precautions to perform the work in such a manner as to not damage existing utilities or structures, located near or beneath the Noise Abatement Wall. Any damage to existing utilities or structures shall be repaired at no cost to the Department.
- It is anticipated that temporary casing is required for each drilled shaft foundation due to soil condition. The temporary casing will not be measured separately for payment, and shall be included in the cost of Noise Abatement Wall, of the type specified.
- It shall be the Contractor's responsibility to field verify existing ground elevations at the locations of the proposed ground mounted noise abatement walls and compare to that shown on the plans. Adjustments to NAW heights as required to accommodate actual field conditions shall be made by the Contractor at no additional cost and as approved by the Engineer. Cost to comply with this requirement is included in the cost of Noise Abatement Wall, of the type specified.
- See special provisions for additional requirements.
- In addition to the special provisions, the panels shall be designed to be vertically supported between foundations such that the excavation beneath the panels does not require additional supports. When panels span a utility crossing, the maximum post spacing shall be used to maximize the horizontal clearance between the posts and the utility. The cost for this work shall be included in the cost of Noise Abatement Wall of the type specified.
- Theoretical Top of NAW Elev., Theoretical Bottom of NAW Elev., Existing Grade Elev. at front face of NAW, and Finished Grade Elev. at front face of NAW shall be taken as straight lines in the segments between each pair of stations shown in the Wall Elevation Information table on Sheet 2 of 9.

AESTHETIC FINISH GENERAL NOTES:

- Precast Concrete Noise Abatement Wall Random Ashlar Limestone Formliner Pattern.

The formliner used to create the random ashlar limestone pattern shall be of high quality and capable of withstanding anticipated concrete pour pressures without causing leakage or causing physical defects. The liner shall be made from high-strength elastomeric urethane material which shall not compress more than 0.02 feet when poured at a rate of 10 vertical feet per hour. The form release agents shall be non-staining, non-residual and non-reactive.

Precast Concrete Noise Abatement Wall Panels shall be constructed with a square cut random ashlar rusticated limestone surface with a maximum relief along each side as shown the details. The panel(s) height selected by the Fabricator should be compatible with Random Ashlar Limestone Formliner Pattern.

The maximum architectural aesthetic surface treatment thickness along one side cannot exceed $\frac{3}{4}$ inches. The relief, on each side of precast concrete panel, is permitted to vary from 0 to $\frac{3}{4}$ inches, but the total architectural relief thickness, on both sides of the precast concrete panel, must not be greater than $1\frac{1}{2}$ inches.

Angular distortion with regards to panel squareness, defines as the difference between the two diagonals, shall not exceed $\frac{1}{2}$ in. Panel dimensions shall be within $\frac{1}{4}$ in. all hardware embedded in panels shall be within $\frac{1}{4}$ in.

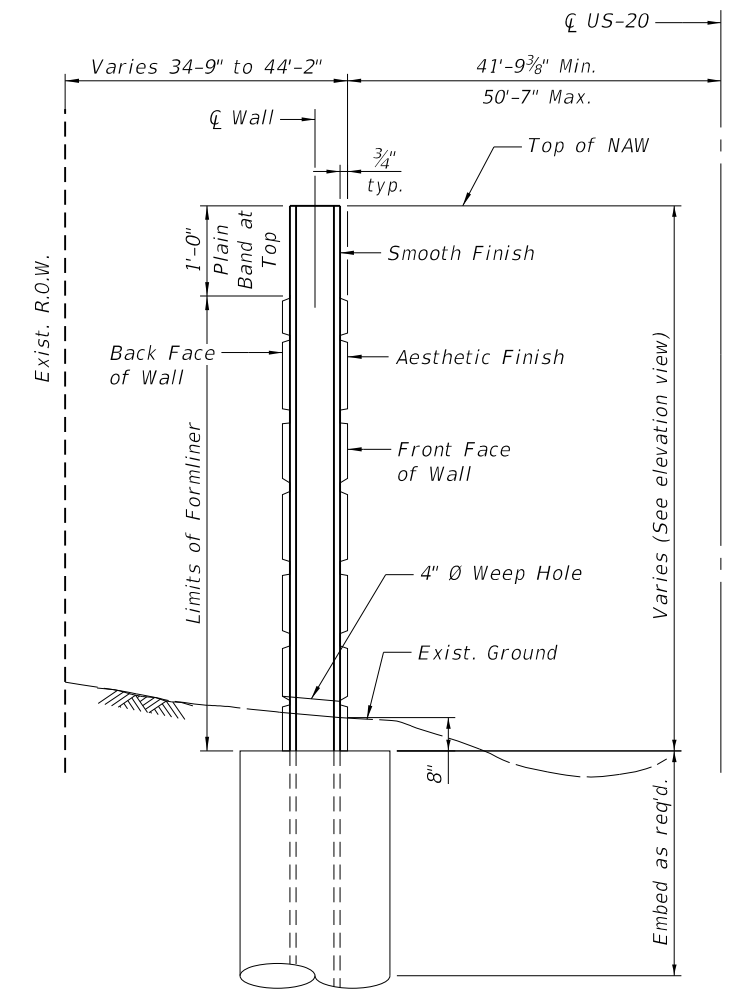
The Random Ashlar Limestone Pattern shall be continuous for the full height of a wall section except the top 1'-0", regardless of the number of panels in a wall section. All exposed concrete edges shall have a $\frac{3}{4}$ " chamfer except at horizontal edges between successive panels.
- The color of the wall panels and support posts is identified by Federal Standard 595-B color number 30372.
- Formliner treatment will not be measured for payment, but shall be included in the cost of Noise Abatement Wall, of the type specified.
- Aesthetic finish for the precast panels and staining for the panels and steel posts will not be measured separately for payment, and shall be included in the cost of Noise Abatement Wall, of the type specified. The stain color and aesthetic textured finish pattern shall be approved by the Roadside Development Unit prior to ordering materials or beginning fabrication. Submittal shall be made 30 days in advance prior to ordering materials.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Noise Abatement Wall, Ground Mounted	Sq. Ft.	10,070
Noise Abatement Wall, Structure Mounted	Sq. Ft.	1,906
Name Plates	Each	1

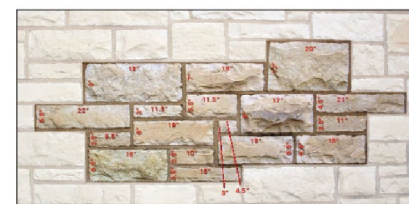
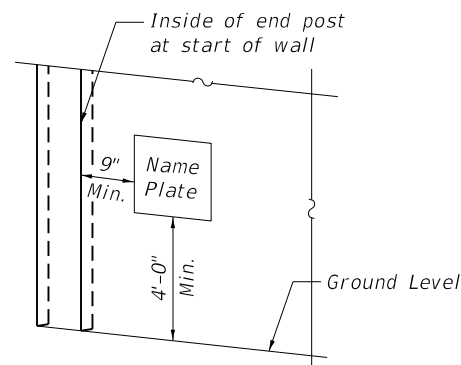
NOISE REDUCTION DATA TABLE

Noise Wall Structure Number	Face	From Sta.	To Sta.	Noise Reduction Coefficient
045-N1006	Front Face	414+88.00	427+97.00	Absorptive 0.80 min
	Back Face	414+88.00	427+97.00	Absorptive 0.65 min



NOISE ABATEMENT WALL
 BUILT 202 BY
 STATE OF ILLINOIS
 F.A.P. RTE. 345
 SEC 345-23-BR
 FROM STA. 414+88.00 TO STA. 427+77.00
 STRUCTURE NO. 045-N1006

NAME PLATE
 See Std. 515001



FORMLINER PATTERN DETAIL

GROUND MOUNTED NAW TYPICAL SECTION

REVISED SHEET 6/4/2024

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	PLOT DATE = 5/28/2024	DRAWN - BAH	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
 STRUCTURE NO. 045-N1006**

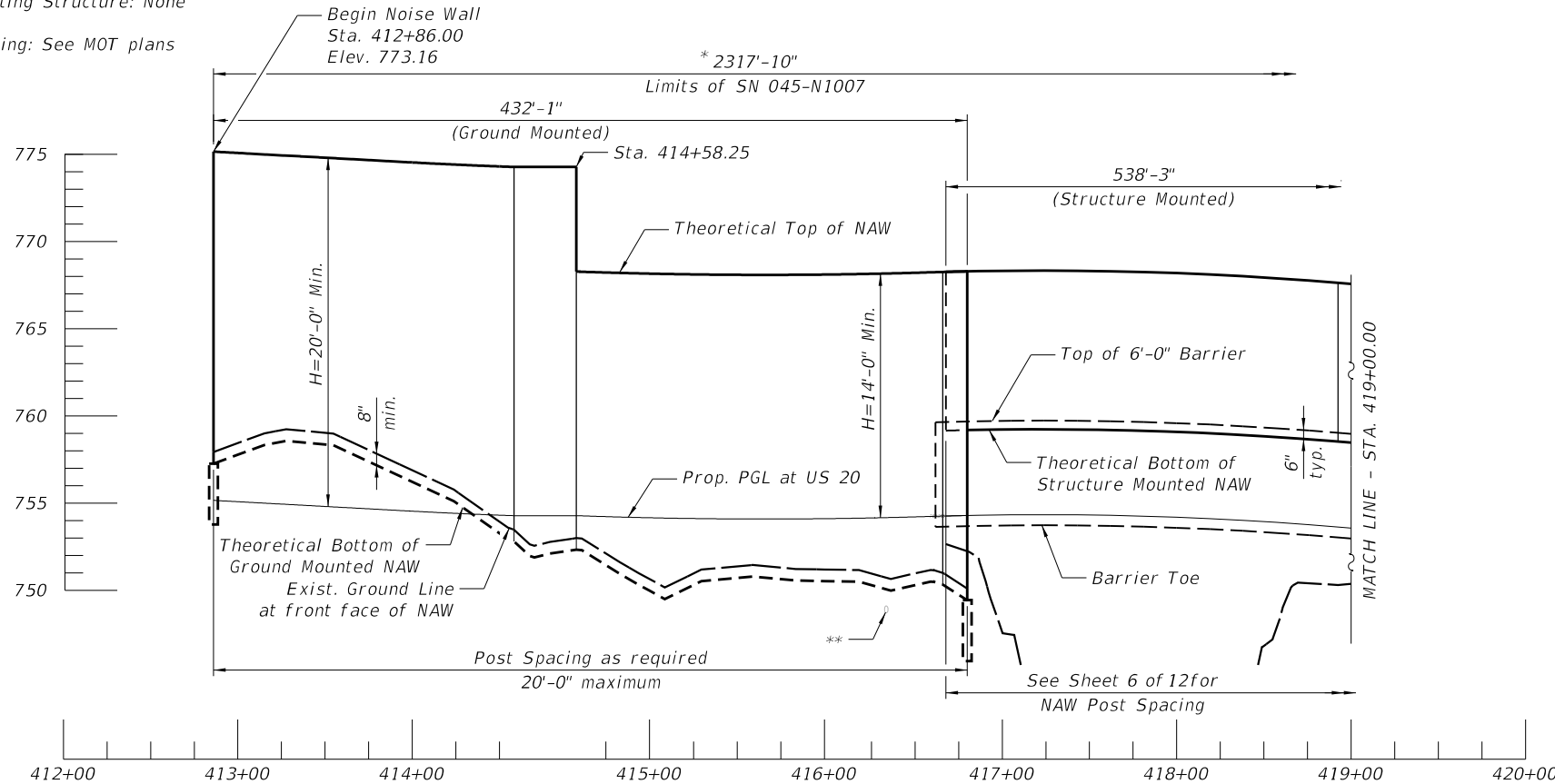
SHEET 3 OF 9 SHEETS

F.A.P. RTE. 345	SECTION FAP 345-23-BR	COUNTY KANE	TOTAL SHEETS 379	SHEET NO. 260
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

Benchmark: Cut "Γ" on NW corner of Pier 1 on E side of St. Charles St. & 38 feet N of US 20.
Elev. = 737.093

Existing Structure: None

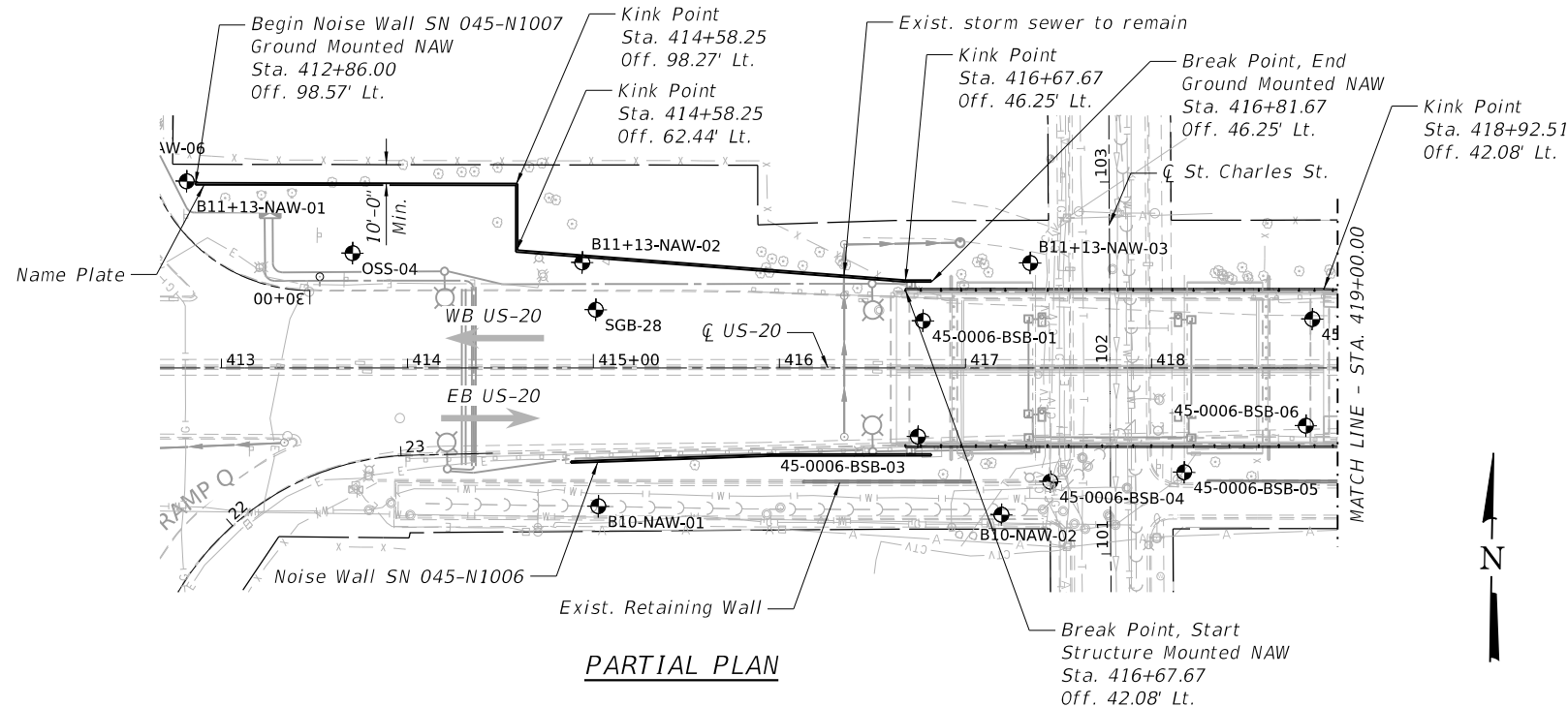
Staging: See MOT plans



PARTIAL ELEVATION

*Measured along front face of Wall.

** Exist. utility to remain. Depth of utility to be confirmed by the Contractor prior to starting work.



PARTIAL PLAN

INDEX OF SHEETS

- 1 - General Plan & Elevation I
- 2 - General Plan & Elevation II
- 3 - General Plan & Elevation III
- 4 - General Notes
- 5 - Details I
- 6 - Details II
- 7 - Soil Borings I
- 8 - Soil Borings II
- 9 - Soil Borings III
- 10 - Soil Borings IV
- 11 - Soil Borings V
- 12 - Soil Borings VI

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

$f'_c = 4,000$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50, posts)
 $f_y = 36,000$ psi (M270 Grade 36, all other structural steel)

PRECAST UNITS

$f'_c = 4,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

DESIGN LOADING

Structure Mounted Dead Load:
65 psf (Unfactored)
Vehicular Load: AASHTO LRFD Article 15.8.4 - TL-5 Criteria
Strength III or V Wind: 35 psf
Service I Wind: 15 psf

NOTES:

- 1. Stations and Offsets are measured from \varnothing US 20 to front face of Wall.

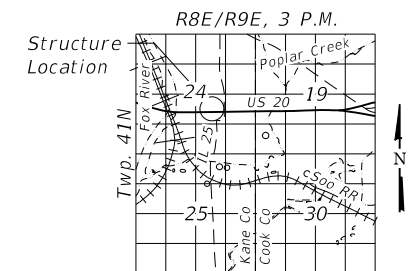


Expires November 30, 2024

Date: 5/28/2024

LEGEND

- Soil Boring
- Exist. R.O.W.
- Exist. Water Main
- Exist. Sanitary Sewer
- Exist. Storm Sewer
- Exist. Gas
- Exist. Underground Tele.
- Exist. CTV
- Exist. Fence
- Exist. Aerial Lines
- Exist. Underground Electric
- Prop. Storm Sewer
- Prop. Lighting Cable in Duct
- NAW



LOCATION SKETCH

**GENERAL PLAN & ELEVATION
NOISE ABATEMENT WALL B11+B13
ALONG WB US-20**

F.A.P. RTE. 345 - SEC 345-23-BR

KANE COUNTY

STATION 412+86.00 to 438+00.00

STRUCTURE NO. 045-N1007

REVISOR SHEET 6/4/2024

**GENERAL PLAN & ELEVATION I
STRUCTURE NO. 045-N1007**

SHEET 1 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345-23-BR	KANE / COOK	379	267
CONTRACT NO. 62U83				

ILLINOIS FED. AID PROJECT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

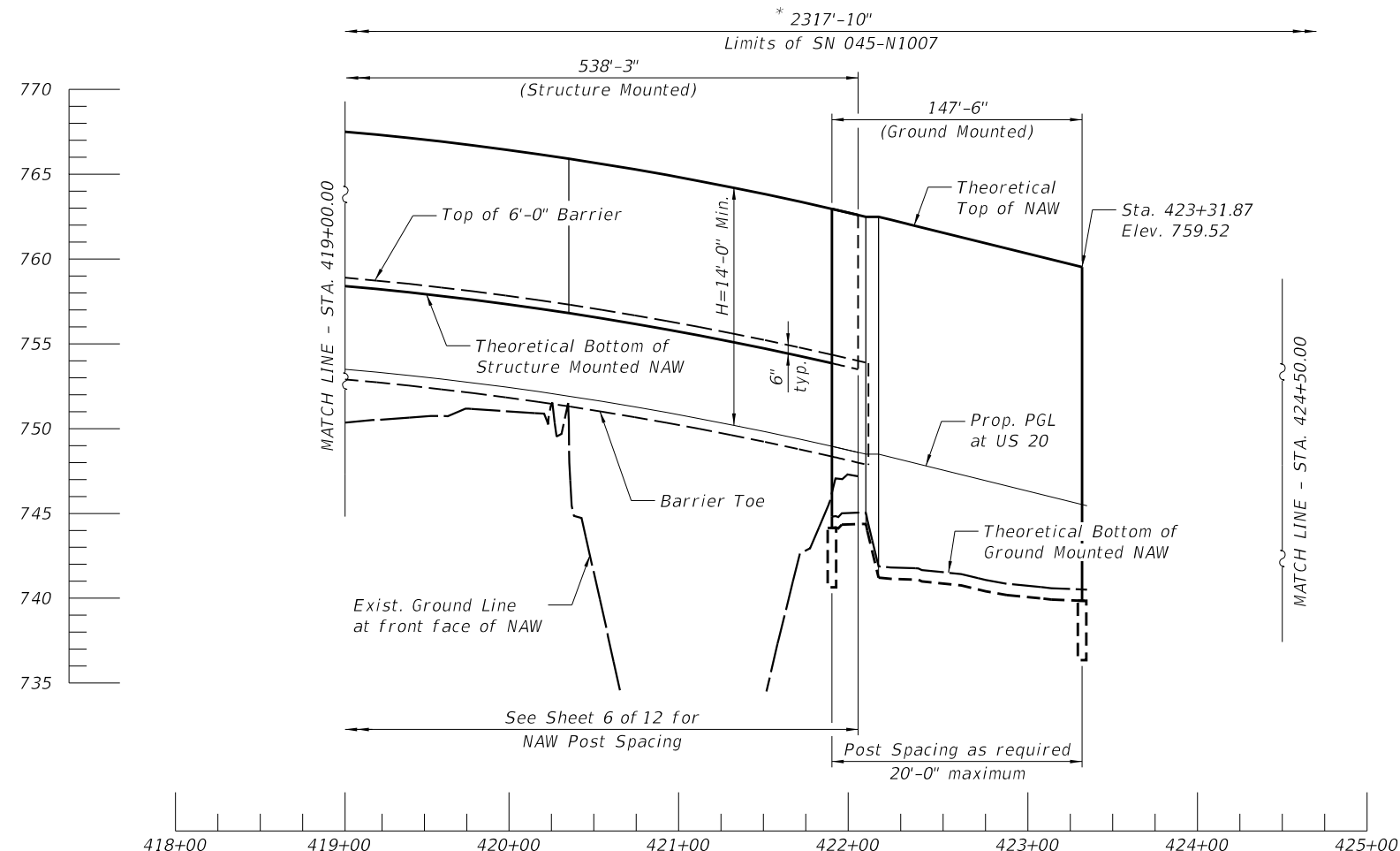
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**BURNS
MCDONNELL**

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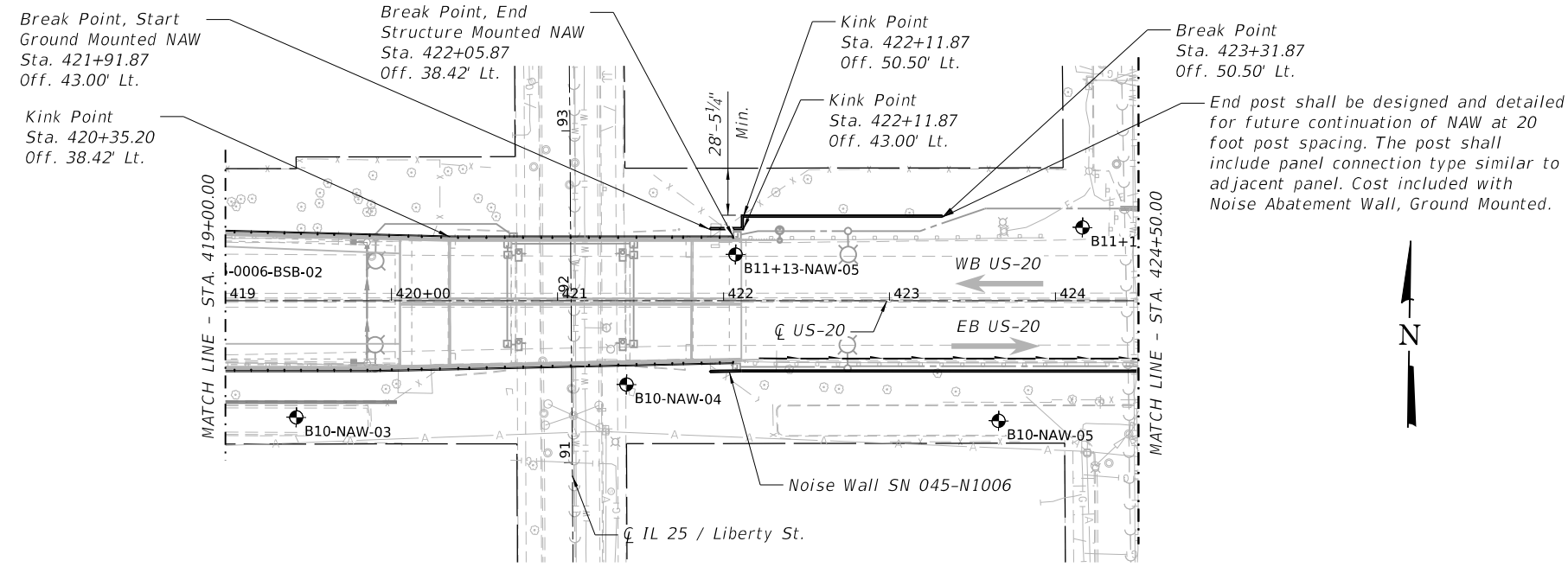


PARTIAL ELEVATION

* Measured along front face of Wall.

WALL ELEVATION INFORMATION

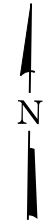
Station	Offset	Theoretical Top of NAW Elev.	Exist. Ground Elev. at front face of NAW	Theoretical Bottom of NAW Elev.	Prop. Elev. at PGL US 20
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413+00.00	98.55 Lt.	773.08	758.44	757.78	755.08
414+00.00	98.37 Lt.	772.54	756.88	756.22	754.54
415+00.00	59.22 Lt.	768.16	750.65	749.98	754.16
416+00.00	51.48 Lt.	768.11	751.20	750.53	754.11
416+81.67	46.25 Lt.	759.29	750.11	749.44	745.29
416+67.67	42.08 Lt.	768.26	-	759.15	754.26
417+00.00	42.08 Lt.	768.32	-	759.21	754.32
418+00.00	42.08 Lt.	768.19	-	759.08	754.19
419+00.00	41.89 Lt.	767.56	-	758.46	753.56
420+00.00	39.32 Lt.	766.45	-	757.41	752.45
421+00.00	38.42 Lt.	764.86	-	755.82	750.86
422+00.00	38.42 Lt.	762.77	-	753.74	748.77
422+05.87	38.42 Lt.	762.63	-	753.60	748.63
421+91.87	43.00 Lt.	762.96	744.81	744.14	748.96
422+00.00	43.00 Lt.	762.77	745.01	744.34	748.77
423+00.00	50.50 Lt.	760.31	740.74	740.07	746.31
423+31.87	50.50 Lt.	759.52	740.52	739.85	745.52
426+00.00	74.84 Lt.	752.89	735.11	734.44	738.89
427+00.00	74.82 Lt.	750.75	735.53	734.86	736.75
428+00.00	74.80 Lt.	751.58	735.64	734.97	735.58
429+00.00	74.78 Lt.	751.58	737.61	736.94	735.58
430+00.00	74.76 Lt.	752.56	738.08	737.41	736.56
431+00.00	74.74 Lt.	754.09	738.22	737.55	738.09
432+00.00	74.72 Lt.	755.06	740.86	740.19	739.06
433+00.00	74.70 Lt.	757.29	740.70	740.03	739.29
434+00.00	74.68 Lt.	756.82	739.61	738.94	738.82
435+00.00	74.66 Lt.	755.71	739.39	738.72	737.71
436+00.00	74.64 Lt.	753.92	741.01	740.34	735.92
437+00.00	74.62 Lt.	751.41	740.87	740.20	733.41
438+00.00	74.61 Lt.	748.40	734.87	734.20	730.40



PARTIAL PLAN

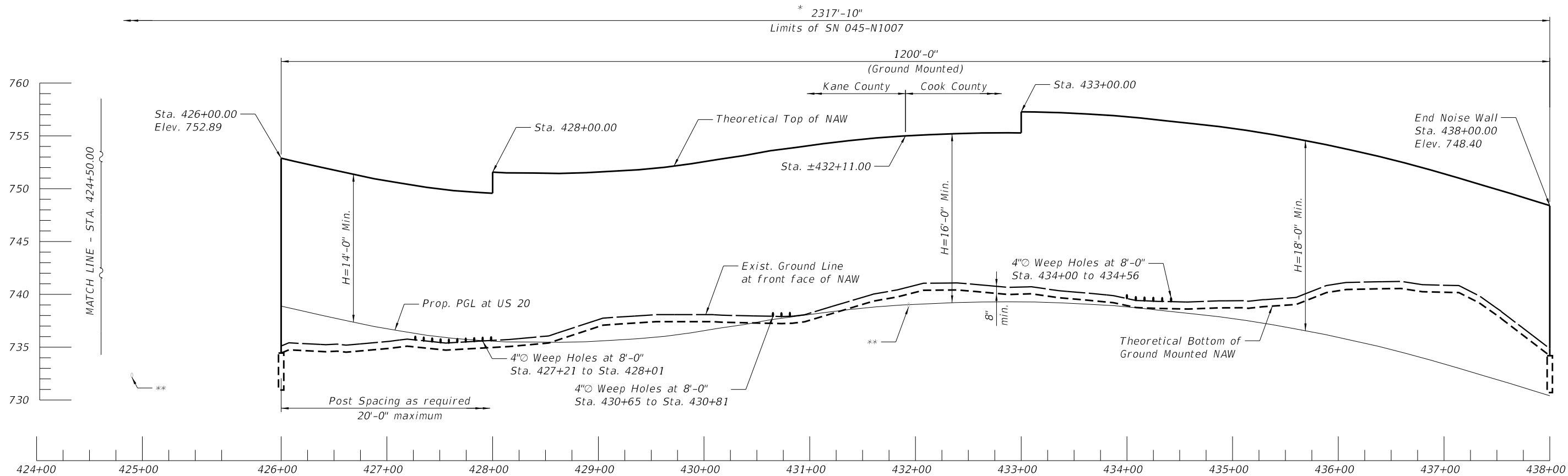
LEGEND

- Soil Boring
- Exist. R.O.W.
- Exist. Water Main
- Exist. Sanitary Sewer
- Exist. Storm Sewer
- Exist. Gas
- Exist. Underground Tele.
- Exist. CTV
- Exist. Fence
- Exist. Aerial Lines
- Exist. Underground Electric
- Prop. Storm Sewer
- Prop. Lighting Conduit in Duct
- NAW Noise Abatement Wall



REVISÉ SHEET 6/4/2024

BURNS MCDONNELL	USER NAME = eckay	DESIGNED - ECK	REVISED - 5/29/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION II STRUCTURE NO. 045-N1007	F.A.P. RTE. 345	SECTION FAP 345-23-BR	COUNTY KANE / COOK	TOTAL SHEETS 379	SHEET NO. 268
	PLOT SCALE = 100.0000' / in.	CHECKED - GEK	REVISED -			CONTRACT NO. 62U83				
	PLOT DATE = 5/28/2024	DRAWN - BAH	REVISED -	SHEET 2 OF 12 SHEETS						
		CHECKED - ECK	REVISED -	ILLINOIS FED. AID PROJECT						



PARTIAL ELEVATION

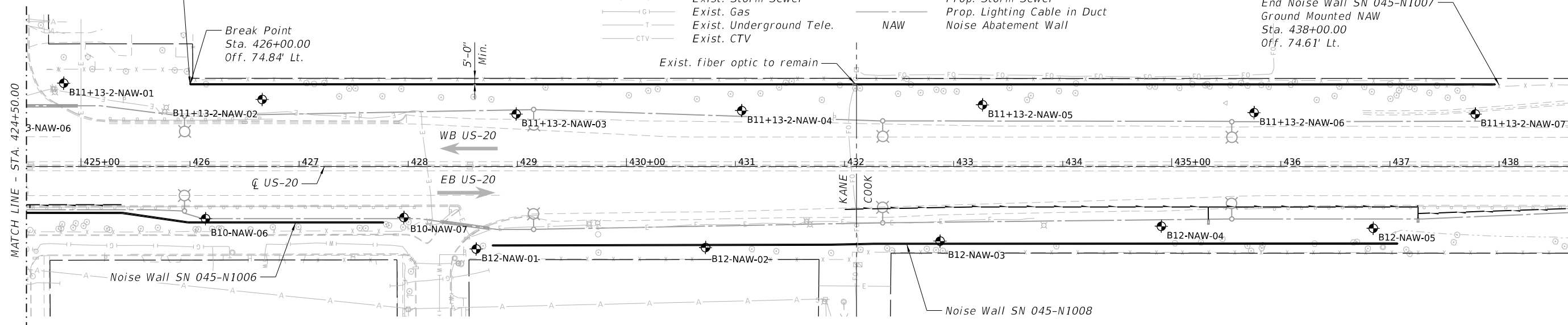
* Measured along front face of Wall.

** Exist. utility to remain. Depth of utility to be confirmed by the Contractor prior to starting work.

LEGEND

- ⊕ Soil Boring
- Exist. R.O.W.
- (W)— Exist. Water Main
- (S)—(S)— Exist. Sanitary Sewer
- (SS)— Exist. Storm Sewer
- (G)— Exist. Gas
- (T)— Exist. Underground Tele.
- (CTV)— Exist. CTV
- (F)— Exist. Fence
- (A)— Exist. Aerial Lines
- (E)— Exist. Underground Electric
- (FO)— Exist. Fiber Optic
- (SS)— Prop. Storm Sewer
- (L)— Prop. Lighting Cable in Duct
- (NAW)— Noise Abatement Wall

End post shall be designed and detailed for future continuation of NAW at 20 foot post spacing. The post shall include panel connection type similar to adjacent panel. Cost included with Noise Abatement Wall, Ground Mounted.



PARTIAL PLAN

MODEL: Default
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REVISD SHEET 6/4/2024



USER NAME = eckay	DESIGNED - ECK	REVISED - 5/29/2024
PLOT SCALE = 100,0000' / in.	CHECKED - GEK	REVISED -
PLOT DATE = 5/28/2024	DRAWN - BAH	REVISED -
	CHECKED - ECK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION III
STRUCTURE NO. 045-N1007

SHEET 3 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345-23-BR	KANE / COOK	379	269
CONTRACT NO. 62U83				

ILLINOIS FED. AID PROJECT

GENERAL NOTES:

- Stations and Offsets are measured from ϕ US 20 to front face of the proposed noise wall.
- 4" ϕ weep holes shall be provided through wall panels at the ground level at a spacing of 8 ft as shown on the contract plans. Cost of weep holes included with Noise Abatement Wall, of the type specified.
- Type, size and spacing of posts, noise wall panels, drilled shaft and size embedment length, reinforcement details, lifting bars and wall limits including top and bottom of wall shall be determined by the Contractor and shall be designed to avoid conflicts with the existing facilities. Cost included with Noise Abatement Wall, of the type specified.
- The contractor shall review the maintenance of traffic plans. The Construction of Noise Abatement Wall may need to be sequenced to match the roadway sequence of construction and the Contractor may not be able to construct the NAW in one continuous operation. Additional mobilization/demobilization required will not be measured for payment, but shall be included in the cost of Noise Abatement Wall, of the type specified.
- The Contractor shall verify locations of all existing utilities and structures and shall take all necessary precautions to perform the work in such a manner as to not damage existing utilities or structures, located near or beneath the Noise Abatement Wall. Any damage to existing utilities or structures shall be repaired at no cost to the Department.
- It is anticipated that temporary casing is required for each drilled shaft foundation due to soil condition. The temporary casing will not be measured separately for payment, and shall be included in the cost of Noise Abatement Wall, of the type specified.
- It shall be the Contractor's responsibility to field verify existing ground elevations at the locations of the proposed ground mounted noise abatement walls and compare to that shown on the plans. Adjustments to NAW heights as required to accommodate actual field conditions shall be made by the Contractor at no additional cost and as approved by the Engineer. Cost to comply with this requirement is included in the cost of Noise Abatement Wall, of the type specified.
- See special provisions for additional requirements.
- In addition to the special provisions, the panels shall be designed to be vertically supported between foundations such that the excavation beneath the panels does not require additional supports. When panels span a utility crossing, the maximum post spacing shall be used to maximize the horizontal clearance between the posts and the utility. The cost for this work shall be included in the cost of Noise Abatement Wall of the type specified.
- Theoretical Top of NAW Elev., Theoretical Bottom of NAW Elev., Existing Grade Elev. at front face of NAW, and Finished Grade Elev. at front face of NAW shall be taken as straight lines in the segments between each pair of stations shown in the Wall Elevation Information table on Sheet 2 of 12.

AESTHETIC FINISH GENERAL NOTES:

- Precast Concrete Noise Abatement Wall Random Ashlar Limestone Formliner Pattern.

The formliner used to create the random ashlar limestone pattern shall be of high quality and capable of withstanding anticipated concrete pour pressures without causing leakage or causing physical defects. The liner shall be made from high-strength elastomeric urethane material which shall not compress more than 0.02 feet when poured at a rate of 10 vertical feet per hour. The form release agents shall be non-staining, non-residual and non-reactive.

Precast Concrete Noise Abatement Wall Panels shall be constructed with a square cut random ashlar rusticated limestone surface with a maximum relief along each side as shown the details. The panel(s) height selected by the Fabricator should be compatible with Random Ashlar Limestone Formliner Pattern.

The maximum architectural aesthetic surface treatment thickness along one side cannot exceed $\frac{3}{4}$ inches. The relief, on each side of precast concrete panel, is permitted to vary from 0 to $\frac{3}{4}$ inches, but the total architectural relief thickness, on both sides of the precast concrete panel, must not be greater than $1\frac{1}{2}$ inches.

Angular distortion with regards to panel squareness, defines as the difference between the two diagonals, shall not exceed $\frac{1}{2}$ in. Panel dimensions shall be within $\frac{1}{4}$ in. all hardware embedded in panels shall be within $\frac{1}{4}$ in.

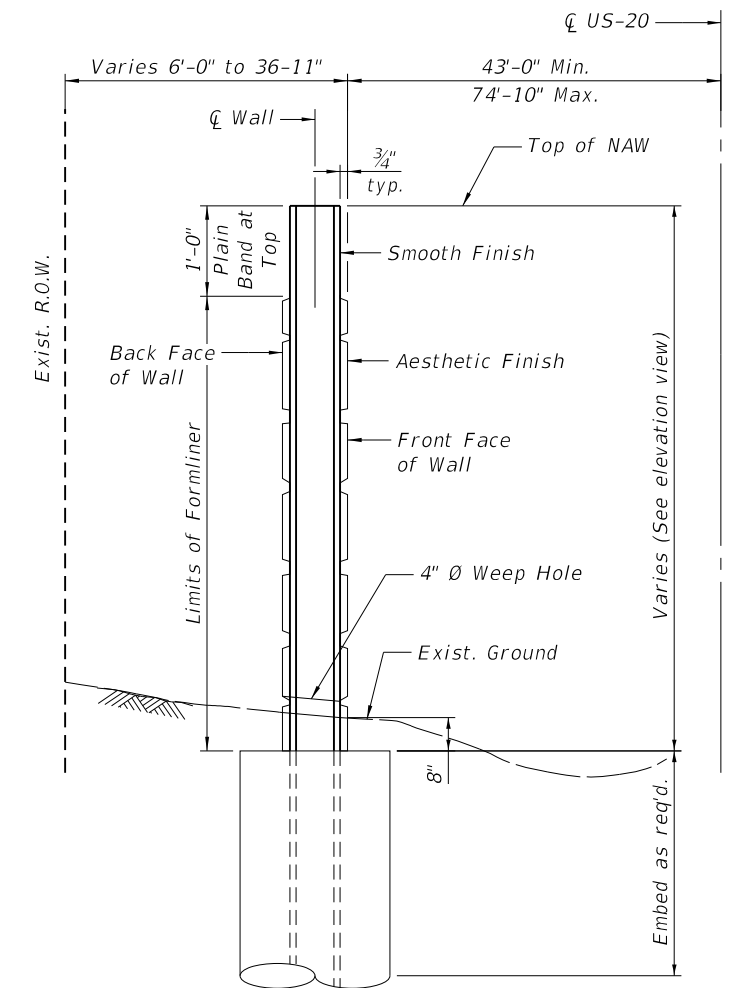
The Random Ashlar Limestone Pattern shall be continuous for the full height of a wall section except the top 1'-0", regardless of the number of panels in a wall section. All exposed concrete edges shall have a $\frac{3}{4}$ " chamfer except at horizontal edges between successive panels.
- The color of the wall panels and support posts is identified by Federal Standard 595-B color number 30372.
- Formliner treatment will not be measured for payment, but shall be included in the cost of Noise Abatement Wall, of the type specified.
- Aesthetic finish for the precast panels and staining for the panels and steel posts will not be measured separately for payment, and shall be included in the cost of Noise Abatement Wall, of the type specified. The stain color and aesthetic textured finish pattern shall be approved by the Roadside Development Unit prior to ordering materials or beginning fabrication. Submittal shall be made 30 days in advance prior to ordering materials.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Noise Abatement Wall, Ground Mounted	Sq. Ft.	29,286
Noise Abatement Wall, Structure Mounted	Sq. Ft.	4,900
Name Plates	Each	1

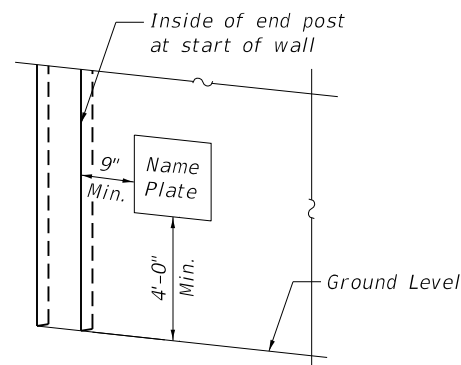
NOISE REDUCTION DATA TABLE

Noise Wall Structure Number	Face	From Sta.	To Sta.	Noise Reduction Coefficient
045-N1007	Front Face	412+86.00	438+00.00	Absorptive 0.80 min
	Back Face	412+86.00	438+00.00	Absorptive 0.65 min

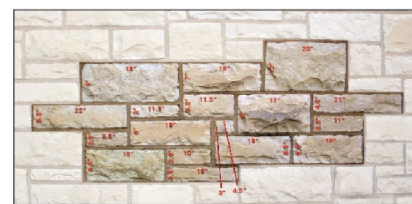


NOISE ABATEMENT WALL
 BUILT 202 BY
 STATE OF ILLINOIS
 F.A.P. RTE. 345
 SEC 345-23-BR
 FROM STA. 412+86.00 TO STA. 438+00.00
 STRUCTURE NO. 045-N1007

NAME PLATE
 See Std. 515001



NAME PLATE LOCATION



FORMLINER PATTERN DETAIL

GROUND MOUNTED NAW TYPICAL SECTION

REVISION 1 REVISED SHEET 6/4/2024

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BURNS MCDONNELL	USER NAME = eckay	DESIGNED - ECK	REVISED - Δ 5/29/2024
	PLOT SCALE = 3.0000" / in.	CHECKED - GEK	REVISED -
	PLOT DATE = 5/28/2024	DRAWN - BAH	REVISED -
		CHECKED - ECK	REVISED -

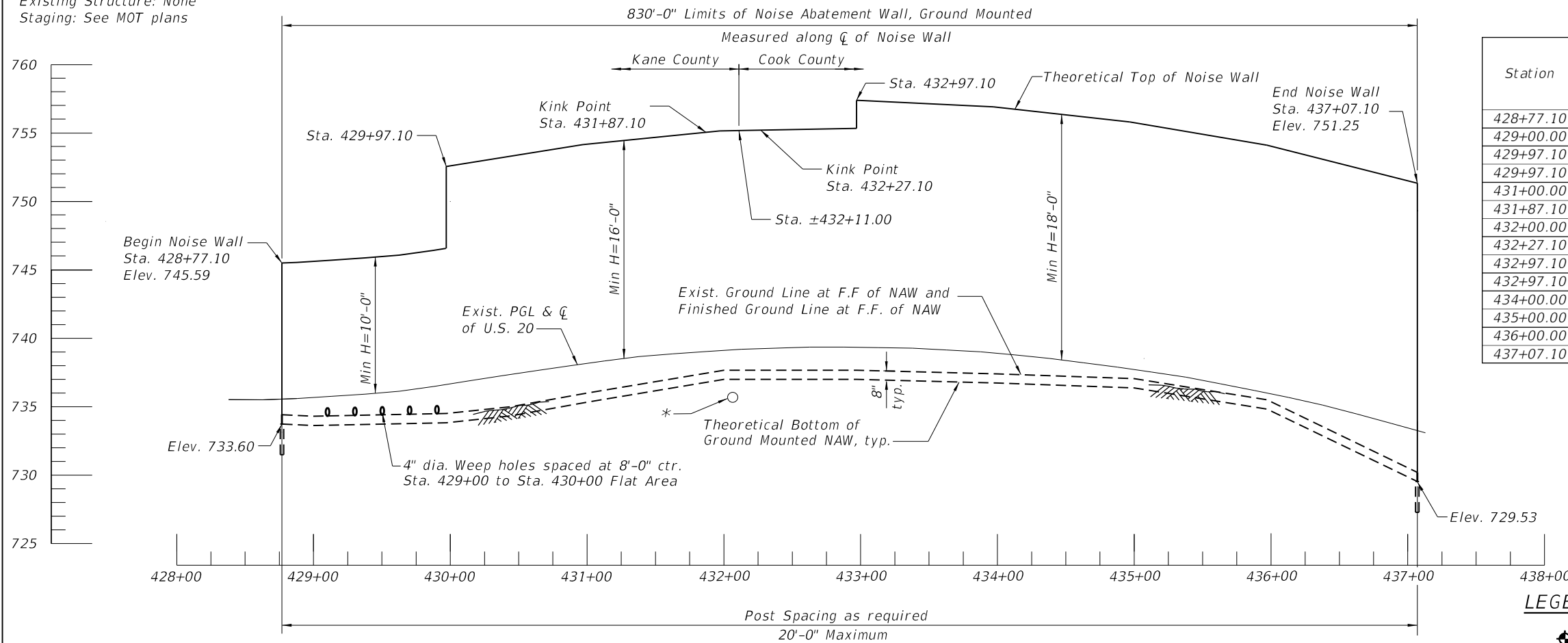
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
 STRUCTURE NO. 045-N1007**

SHEET 4 OF 12 SHEETS

F.A.P. RTE. 345	SECTION FAP 345-23-BR	COUNTY KANE / COOK	TOTAL SHEETS 379	SHEET NO. 270
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				

Benchmark: Cut "Γ" on NW corner of Pier 1 on E side of St. Charles St. & 38 feet N of US 20.
 Elev. = 737.093
 Existing Structure: None
 Staging: See MOT plans



WALL ELEVATION INFORMATION

Station	Offset	Theo. Top of NAW Elev. (ft)	Theo. Bottom of NAW Elev. (ft)	Finished Grade at F.F. of NAW Elev. (ft)	Exist. P.G.L. Elev. at C of US 20 (ft)
428+77.10	71.74' Rt.	745.59	733.60	734.27	735.59
429+00.00	71.68' Rt.	745.68	733.63	734.30	735.68
429+97.10	71.49' Rt.	746.62	733.83	734.50	736.62
429+97.10	71.49' Rt.	752.62	733.83	734.50	736.62
431+00.00	71.27' Rt.	754.17	735.33	736.00	738.17
431+87.10	71.09' Rt.	755.03	736.90	737.57	739.03
432+00.00	70.82' Rt.	755.12	736.91	737.58	739.12
432+27.10	70.26' Rt.	755.25	736.92	737.59	739.25
432+97.10	70.22' Rt.	755.35	736.89	737.56	739.35
432+97.10	70.22' Rt.	757.35	736.89	737.56	739.35
434+00.00	70.17' Rt.	756.90	736.63	737.30	738.90
435+00.00	70.11' Rt.	755.72	735.90	736.57	737.72
436+00.00	70.06' Rt.	753.94	734.84	735.51	735.94
437+07.10	70.00' Rt.	751.25	729.53	730.20	733.25

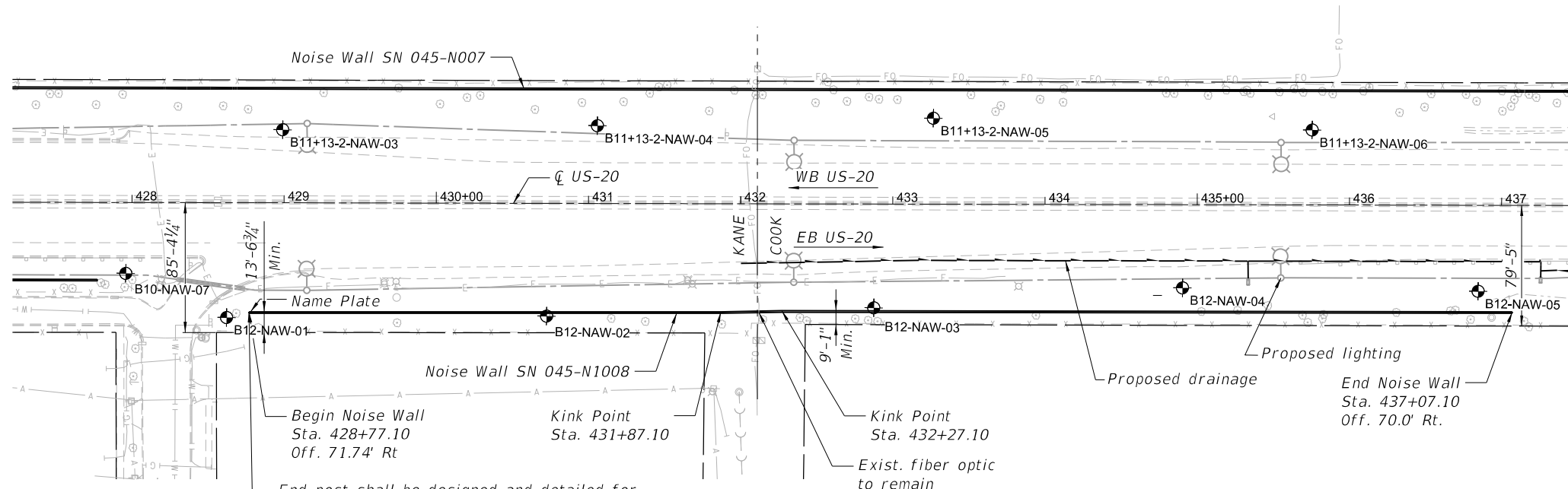
INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2 - Section & Details
- 3 - Soil Boring Logs I
- 4 - Soil Boring Logs II
- 5 - Soil Boring Logs III

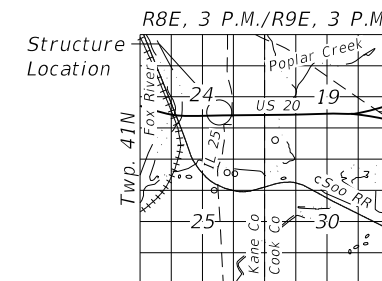
LEGEND

- Soil Boring
- Exist. R.O.W.
- Exist. Water Main
- Exist. Sanitary Sewer
- Exist. Storm Sewer
- Noise Abatement Wall
- Exist. Light Pole
- Exist. Advertising Sign
- Exist. Fence
- Exist. Fiber Optic
- Exist. Aerial Line
- Exist. Gas Line

REFLECTED ELEVATION
 * Exist. utility to remain. Depth of utility to be confirmed by the Contractor prior to starting work.



PLAN



LOCATION SKETCH

**GENERAL PLAN & ELEVATION
 NOISE ABATEMENT WALL B12**

**ALONG EB US-20
 F.A.P. RTE. 345-SEC 345-23-BR
 KANE/COOK COUNTY
 STATION 428+77.10 to 437+07.10
 STRUCTURE NO. 045-N1008**

REVISI... SHEET 6/4/2024

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
 STRUCTURE NO. 045-N1008

SHEET 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	FAP 345-23-BR	COOK/KANE	379	279

CONTRACT NO. 62U83

ILLINOIS FED. AID PROJECT

TranSmart
 100 S. Wacker Drive Suite 400
 Chicago, Illinois 60606

USER NAME = jchen	DESIGNED - ZC	REVISED - 5/29/2024
CHECKED - JK	REVISI...	
PLOT SCALE = 96.0000' / in.	DRAWN - JK	REVISED -
PLOT DATE = 5/29/2024	CHECKED - ZC	REVISED -

GENERAL NOTES:

- Stations and Offsets are measured from C US 20 to front face of the proposed noise wall.
- 4" Ø weep hole shall be provided through wall panels at the ground level at a spacing of 8 ft as shown on the contract plans. Cost of weep holes included with Noise Abatement Wall, of the type specified.
- Type, size and spacing of posts, noise wall panels, drilled shaft and size embedment length, reinforcement details, lifting bars and wall limits including top and bottom of wall shall be determined by the Contractor and shall be designed to avoid conflicts with the existing facilities. Cost included with Noise Abatement Wall, of the type specified.
- The contractor shall review the maintenance of traffic plans. The Construction of Noise Abatement Wall may need to be sequenced to match the roadway sequence of construction, and the Contractor may not be able to construct the NAW in one continuous operation. Additional mobilization/demobilization required will not be measured for payment, but shall be included in the cost of Noise Abatement Wall, of the type specified.
- The Contractor shall verify locations of all existing utilities and structures and shall take all necessary precautions to perform the work in such a manner as to not damage existing utilities or structures, located near or beneath the Noise Abatement Wall. Any damage to existing utilities or structures shall be repaired at no cost to the Department.
- It is anticipated that temporary casing is required for each drilled shaft foundation due to soil condition. The temporary casing will not be measured separately for payment, and shall be included in the cost of Noise Abatement Wall, of the type specified.
- It shall be the Contractor's responsibility to field verify existing ground elevations at the locations of the proposed ground mounted noise abatement walls and compare to that shown on the plans. Adjustments to NAW heights as required to accommodate actual field conditions shall be made by the Contractor at no additional cost and as approved by the Engineer. Cost to comply with this requirement is included in the cost of Noise Abatement Wall, of the type specified.
- See special provisions for additional requirements.
- In addition to the special provisions, the panels shall be designed to be vertically supported between foundations such that the excavation beneath the panels does not require additional supports. When panels span a utility crossing, the maximum post spacing shall be used to maximize the horizontal clearance between the posts and the utility. The cost for this work shall be included in the cost of Noise Abatement Wall of the type specified.
- Theoretical Top of NAW Elev., Theoretical Bottom of NAW Elev., Existing Grade Elev. at front face of NAW, and Finished Grade Elev. at front face of NAW shall be taken as straight lines in the segments between each pair of stations shown in the Wall Elevation Information table on Sheet 1 of 5.

AESTHETIC FINISH GENERAL NOTES:

- Precast Concrete Noise Abatement Wall Random Ashlar Limestone Formliner Pattern.

The formliner used to create the random ashlar limestone pattern shall be of high quality and capable of withstanding anticipated concrete pour pressures without causing leakage or causing physical defects. The liner shall be made from high-strength elastomeric urethane material which shall not compress more than 0.02 feet when poured at a rate of 10 vertical feet per hour. The form release agents shall be non-staining, non-residual and non-reactive.

Precast Concrete Noise Abatement Wall Panels shall be constructed with a square cut random ashlar rusticated limestone surface with a maximum relief along each side as shown the details. The panel(s) height selected by the Fabricator should be compatible with Random Ashlar Limestone Formliner Pattern.

The maximum architectural aesthetic surface treatment thickness along one side cannot exceed $\frac{3}{4}$ inches. The relief, on each side of precast concrete panel, is permitted to vary from 0 to $\frac{3}{4}$ inches, but the total architectural relief thickness, on both sides of the precast concrete panel, must not be greater than $1\frac{1}{2}$ inches.

Angular distortion with regards to panel squareness, defines as the difference between the two diagonals, shall not exceed $\frac{1}{2}$ in. Panel dimensions shall be within $\frac{1}{4}$ in. all hardware embedded in panels shall be within $\frac{1}{4}$ in.

The Random Ashlar Limestone Pattern shall be continuous for the full height of a wall section except the top 1'-0", regardless of the number of panels in a wall section. All exposed concrete edges shall have a $\frac{3}{4}$ " chamfer except at horizontal edges between successive panels.
- The color of the wall panels and support posts is identified by Federal Standard 595-B color number 30372.
- Formliner treatment will not be measured for payment, but shall be included in the cost of Noise Abatement Wall, of the type specified.
- Aesthetic finish for the precast panels and staining for the panels and steel posts will not be measured separately for payment, and shall be included in the cost of Noise Abatement Wall, of the type specified. The stain color and aesthetic textured finish pattern shall be approved by the Roadside Development Unit prior to ordering materials or beginning fabrication. Submittal shall be made 30 days in advance prior to ordering materials.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

$f'_c = 4,000$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50, posts)
 $f_y = 36,000$ psi (M270 Grade 36, all other structural steel)

PRECAST UNITS

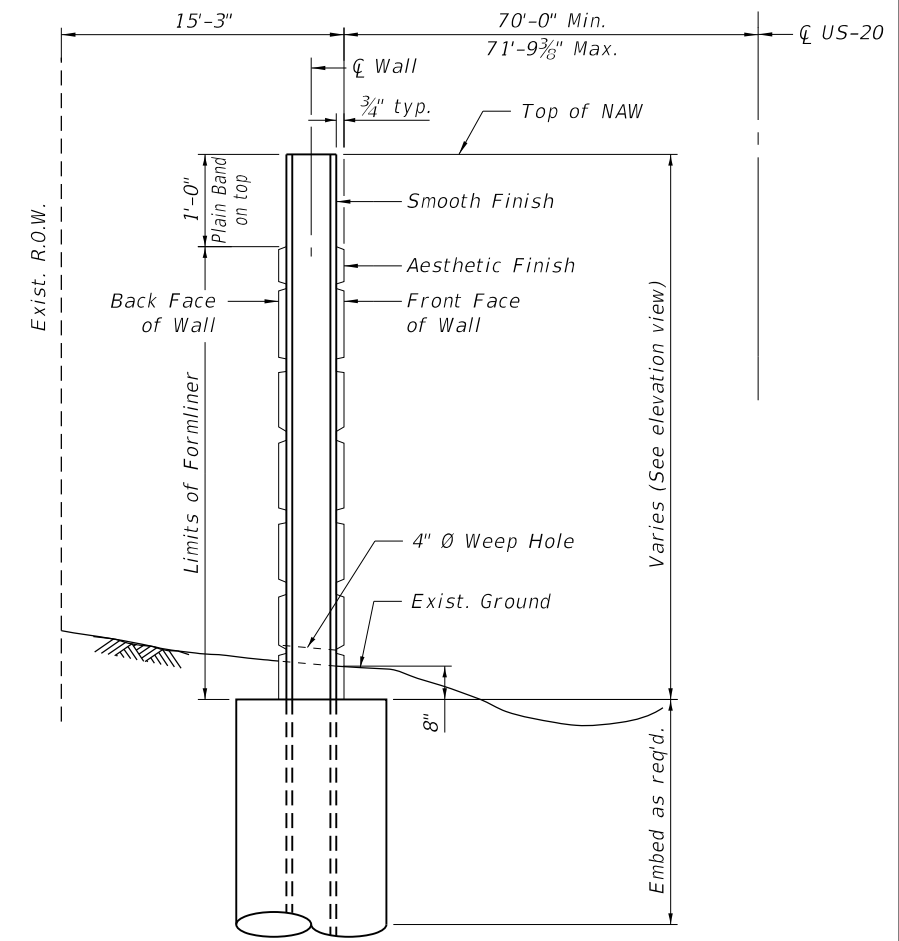
$f'_c = 4,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

DESIGN LOADING

Strength III or V Wind: 35 psf
 Service I Wind: 15 psf

TOTAL BILL OF MATERIAL

Item	Unit	Total
Noise Abatement Wall, Ground Mounted	Sq. Ft.	15,321
Name Plates	Each	1



TYPICAL SECTION

Looking West

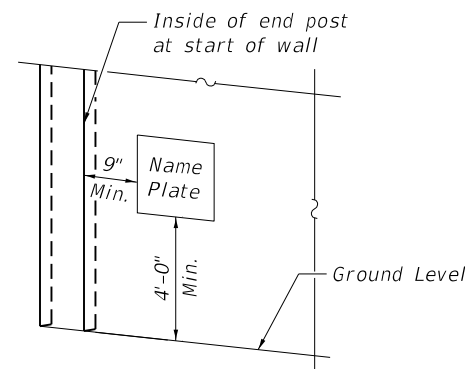
REVISD SHEET 6/4/2024

NOISE REDUCTION DATA TABLE

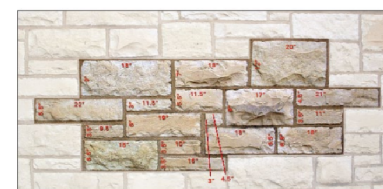
Noise Wall Structure Number	Face	From Sta.	To Sta.	Noise Reduction Coefficient
045-N1008	Front Face	428+77.10	437+07.10	Absorptive 0.80 min
	Back Face	428+77.10	437+07.10	Absorptive 0.65 min

NOISE ABATEMENT WALL
 BUILT 202_ BY
 STATE OF ILLINOIS
 F.A.P. RTE. 345
 SEC 345-23-BR
 FROM STA. 428+77.10 TO STA. 437+07.10
 STRUCTURE NO. 045-N1008

NAME PLATE
 See Std. 515001



NAME PLATE LOCATION



FORMLINER PATTERN DETAIL

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USER NAME = jchen	DESIGNED - ZC	REVISED - 5/29/2024
PLOT SCALE = 96.0000' / in.	CHECKED - JK	REVISED -
PLOT DATE = 5/29/2024	DRAWN - JK	REVISED -
	CHECKED - ZC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SECTION AND DETAILS
 STRUCTURE NO. 045-N1008

SHEET 2 OF 5 SHEETS

F.A.P. RTE. 345	SECTION FAP 345-23-BR	COUNTY COOK/KANE	TOTAL SHEETS 379	SHEET NO. 280
CONTRACT NO. 62U83				
ILLINOIS FED. AID PROJECT				