

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	1
		ILLINOIS	CONTRACT NO. 61F57	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

03-08-2019 LETTING ITEM 167

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

F.A.P. 336 (COUNTY ROUTE 34) (RANDALL ROAD)
AT F.A.P. 345 (US ROUTE 20) / WELD ROAD
INTERSECTION IMPROVEMENTS
SECTION 14-00446-00-CH
PROJECT YD9C(562)
KANE COUNTY

C-91-137-18

DESIGN DESIGNATION:

RANDALL ROAD	=	5110 (40) OTHER PRINCIPAL ARTERIAL (SRA) 5.96 (FD-20)
US ROUTE 20	=	3910 (40) FREEWAY 7.90 (FD-20)
US ROUTE 20 RAMPS C, D & E	=	1025 (40) FREEWAY RAMP 2.85 (FD-20)
WELD ROAD	=	180 (40) FRONTAGE ROAD 0.43 (FD-20)

ADT:		2015	2040
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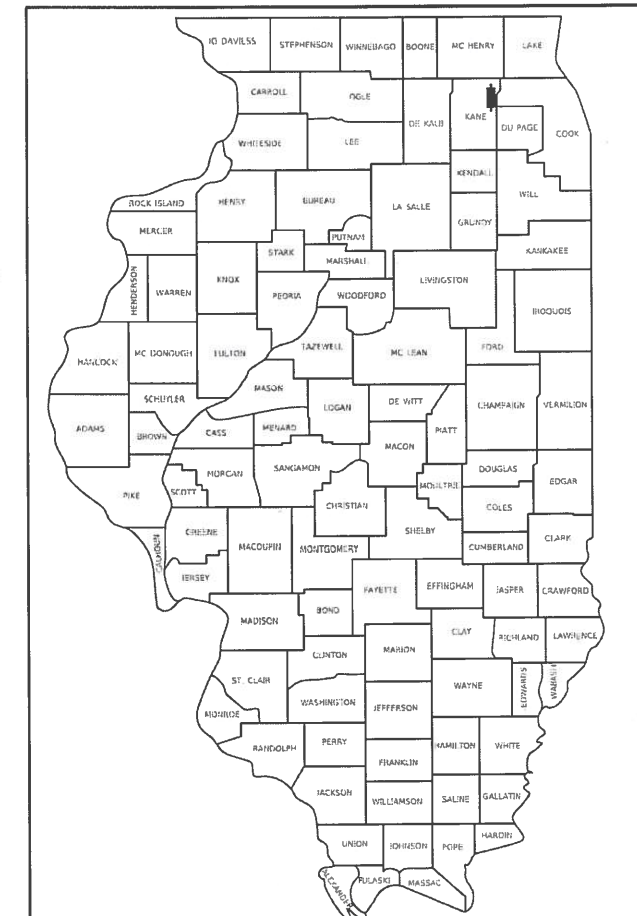
RANDALL ROAD	=	54,000	60,000
US ROUTE 20 (EB)	=	17,900	19,700
US ROUTE 20 & RAMPS C, D & E	=	12,625	15,000

DESIGN SPEED:

RANDALL ROAD	=	45 MPH
US ROUTE 20	=	60 MPH
WELD ROAD	=	45 MPH

POSTED SPEED:

RANDALL ROAD	=	45 MPH
US ROUTE 20	=	55 MPH
WELD ROAD	=	45 MPH



LOCATION OF SECTION INDICATED THUS: - [Symbol]

VOL. 1: GENERAL PLANS, ROADWAY, MOT, EROSION CONTROL, DRAINAGE, UTILITY, PAVEMENT MARKING, SIGNING AND LANDSCAPING, TRAFFIC SIGNAL, ROADWAY LIGHTING, STRUCTURES, SOIL BORINGS, STANDARD DRAWINGS

VOL. 2: CROSS SECTIONS

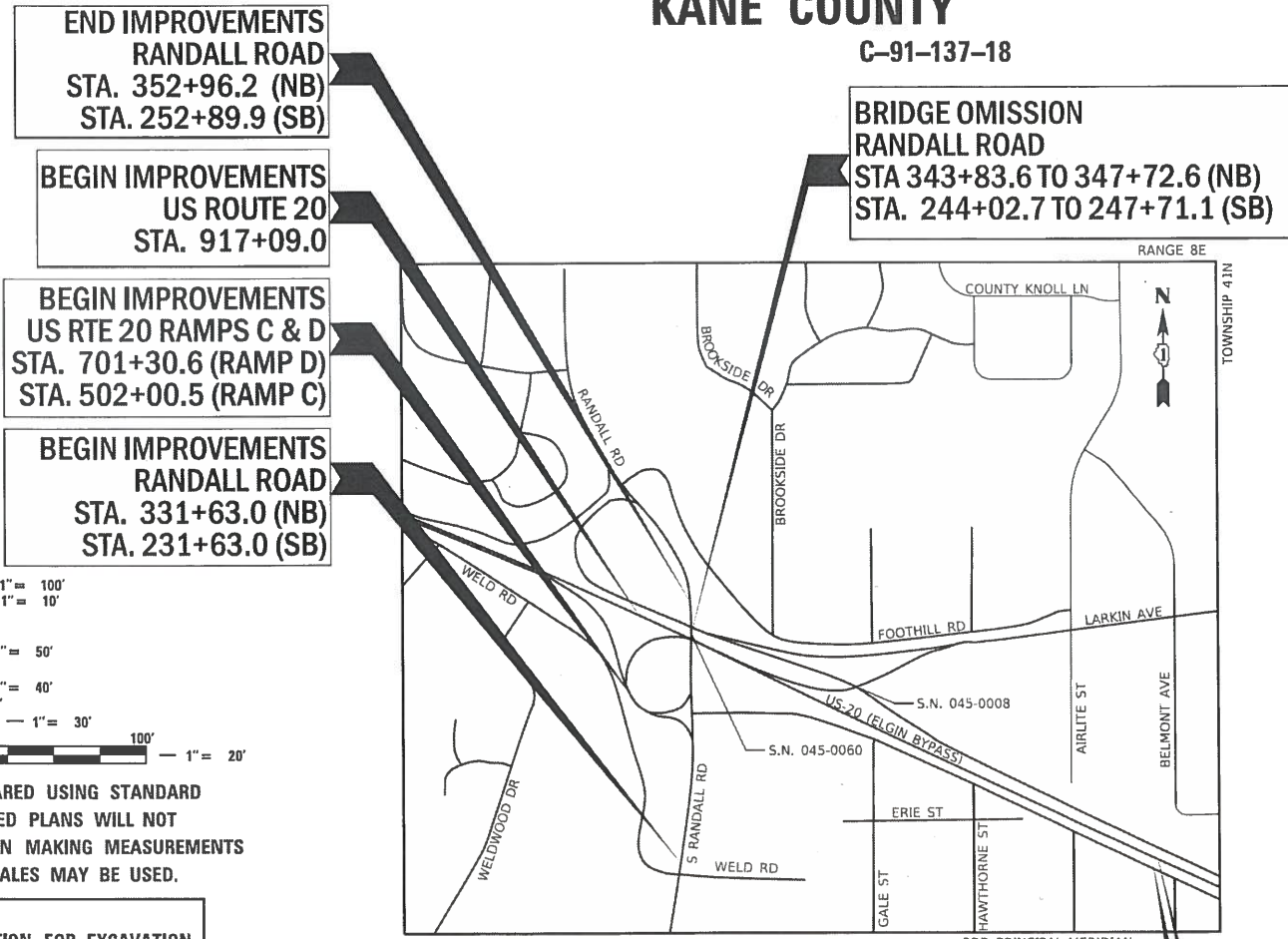
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved: December 5, 2018
Director of Transportation / County Engineer
Kane County Division of Transportation

Passed: DECEMBER 20, 2018
CHRISTOPHER HOLT
District 1 Engineer of Local Roads & Streets

Releasing for Bid
Based on Limited
Review: December 20, 2018
Anthony J. Quigley / GAB
Regional Engineer

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**



PROJECT LOCATED IN
CITY OF ELGIN

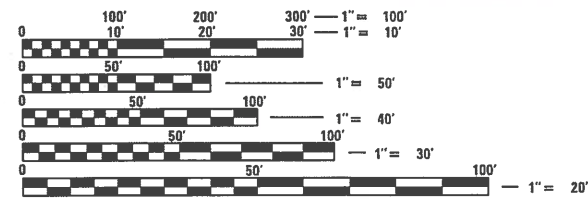
LOCATION MAP
SCALE = N.T.S.

RANDALL ROAD:	GROSS LENGTH = 2133 FT. = 0.404 MILE
	NET LENGTH = 1744 FT. = 0.330 MILE
US ROUTE 20:	GROSS LENGTH = 4023 FT. = 0.762 MILE
	NET LENGTH = 4023 FT. = 0.762 MILE
TOTAL:	GROSS LENGTH = 6156 FT. = 1.166 MILE
	NET LENGTH = 5767 FT. = 1.092 MILE

END IMPROVEMENTS
US ROUTE 20
STA. 957+32.0

END IMPROVEMENTS
WELD ROAD
STA. 73+16.3

- BY: David Wong DATE: 12-05-2018
HDR, INC.
DWGS: 1-27, 32-63, 86-88, 155-178
LICENSE EXPIRES NOV. 30, 2019
- BY: Adam Sattler DATE: 12-05-2018
HDR, INC.
DWGS: 89-94, 179-354
LICENSE EXPIRES NOV. 30, 2019
- BY: Marc J. Krak DATE: 12-05-2018
HDR, INC.
DWGS: 137-154
LICENSE EXPIRES NOV. 30, 2020
- BY: Fred Lin DATE: 12-05-2018
LIN ENGINEERING, LTD.
DWGS: 28-31, 64-85, 95-121
LICENSE EXPIRES NOV. 30, 2019
- BY: Aron Prajapati DATE: 12-05-2018
SINGH & ASSOCIATES, INC.
DWGS: 122-136
LICENSE EXPIRES NOV. 30, 2019



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

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

MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.

HDR
HDR, Inc.
8550 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
773-380-7900
DESIGN FIRM REGISTRATION NUMBER 184.001070

CONTRACT NO. 61F57

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS P.E., SCHAUMBURG, IL

INDEX OF SHEETS

VOLUME 1

DRAWING NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS AND LISTS OF STANDARDS
3 TO 4	GENERAL NOTES
5 TO 15	SUMMARY OF QUANTITIES
16 TO 22	TYPICAL SECTIONS
23 TO 27	SCHEDULE OF QUANTITIES
28 TO 31	ALIGNMENT, TIES, AND BENCHMARKS
32 TO 34	ROADWAY REMOVAL PLAN
35 TO 43	PROPOSED ROADWAY PLAN AND PROFILE
44 TO 46	ROADWAY DETAILS
47 TO 63	SUGGESTED MAINTENANCE OF TRAFFIC
64 TO 67	TEMPORARY EROSION CONTROL PLAN
68 TO 85	DRAINAGE
86 TO 88	EXISTING UTILITY PLAN
89 TO 94	PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN
95 TO 121	TRAFFIC SIGNAL PLAN
122 TO 136	ROADWAY LIGHTING PLAN
137 TO 154	STRUCTURES
155 TO 158	SOIL BORING LOGS
159 TO 176	IDOT DISTRICT 1 STANDARDS
177 TO 178	KANE COUNTY DOT STANDARDS

VOLUME 2

DRAWING NO.	DESCRIPTION
179	COVER SHEET
180	INDEX OF SHEETS AND LISTS OF STANDARDS
181 TO 202	CROSS SECTIONS - RANDALL ROAD - NORTHBOUND
203 TO 227	CROSS SECTIONS - RANDALL ROAD - SOUTHBOUND
228 TO 232	CROSS SECTIONS - US-20 RAMP C
233 TO 241	CROSS SECTIONS - US-20 RAMP D
242 TO 269	CROSS SECTIONS - US-20 RAMP E
270 TO 312	CROSS SECTIONS - US-20
313 TO 354	CROSS SECTIONS - WELD ROAD

LIST OF HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
285001-02	FABRIC FORMED CONCRETE REVETMENT MATS
406001-06	ENTRANCE RAMP TERMINAL (FLEXIBLE RAMP PAVEMENT ADJACENT TO FLEXIBLE MAINLINE PAVEMENT)
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
542206-04	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 42" (1050 mm) THRU 60" (1500 mm) DIA. SKEWED WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311-07	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTIONS
542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
601001-05	PIPE UNDERDRAINS

LIST OF HIGHWAY STANDARDS CONTINUED

STANDARD NO.	TITLE
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602401-06	PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
602402-02	PRECAST MANHOLE TYPE A 5' (1.52 m) DIAMETER
602406-10	PRECAST MANHOLE TYPE A 6' (1.83 m) DIAMETER
602416-08	PRECAST MANHOLE TYPE A 8' (2.44 m) DIAMETER
602426-02	PRECAST MANHOLE TYPE A 10' (3.05 m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
604056-04	FRAME AND GRATE TYPE 11V
604071-05	FRAME AND GRATE TYPE 20
604091-03	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
610001-08	SHOULDER INLET WITH CURB
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631033-07	TRAFFIC BARRIER TERMINAL, TYPE 6B
635001-02	DELINEATORS
637006-04	CONCRETE BARRIER, DOUBLE FACE, 44 IN. (1120 mm) HEIGHT
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
701001-02	OFF-ROAD OPERATIONS, 2L 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L 2W, 15' TO 24' FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS >= 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS

LIST OF HIGHWAY STANDARDS CONTINUED

STANDARD NO.	TITLE
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

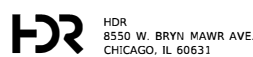
LIST OF IDOT DISTRICT ONE STANDARDS

STANDARD NO.	TITLE
BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)
BD-12	MANHOLE WITH RESTRICTOR PLATE
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-34	DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BE-301	LIGHT POLE FOUNDATION, 40' TO 47 1/2' M.H., 15" BOLT CIRCLE
BE-400	ALUMINUM LIGHT POLE, 47-6" MOUNTING HEIGHT
BE-401	ALUMINUM LIGHT POLE, 40-0" MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS, SHEET A
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-17	TRAFFIC CONTROL DEVICES FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

LIST OF KANE COUNTY DOT STANDARDS

STANDARD NO.	TITLE
KC781001-04	TYPICAL RECESSED REFLECTIVE PAVEMENT MARKERS
	CCTV / PTZ CAMERA INSTALLATION DETAILS

MODEL: Default
 FILE NAME: P:\p\p\hds\escen01\HDR_US_Centex\01\Documents\Kane_County_Illinois\KANE_Randall_Viad_P1_IL16.0_CAD\BIM6.2_Work_In_Progress\CADD_Sheets\Index of Sheets and List of Standards



USER NAME = RR0GERS	DESIGNED - AKS	REVISED -
	DRAWN - AKS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS AND LIST OF STANDARDS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/343	14-00446-00-CH	KANE	354	2
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016 AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2019; THE "DETAILS" IN THE PLANS, AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARD. SHOULD A REVISED STANDARD EXIST THAT SUPERCEDES STANDARDS REFERENCED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SEEKING CLARIFICATION FROM THE ENGINEER BEFORE PROCEEDING WITH THE ORDERING OF MATERIALS, SCHEDULING OF PERSONNEL, PERFORMING THE WORK OR ANY OTHER ACTIVITY RELATED TO THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE CORRECT STANDARD BEFORE PERFORMING WORK.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS IN ADVANCE PRIOR TO BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE FOR ANY TREE REMOVAL.
- THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
- ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. SEE SPECIAL PROVISIONS UNDER STATUS OF UTILITIES TO BE ADJUSTED FOR CONTACT INFO.
- LEVELING BINDER TO BE USED AT THE ENGINEERS DISCRETION.
- THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION. IF THE CONTRACTOR FAILS TO ALLOW PROPER NOTIFICATION TIME RESULTING IN THE TESTING AGENCIES BEING UNABLE TO VISIT THE SITE AND PERFORM THE NECESSARY TESTING, THE CONTRACTOR MUST SUSPEND THE OPERATION FOR WHICH TESTING IS NECESSARY UNTIL THE TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS.
- ALL ELEVATIONS ARE BASED ON U.S.G.S. NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988. PROJECT COORDINATES ARE IN NORTH AMERICAN DATUM (NAD83) WITH A 1997 HARN ADJUSTMENT; ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE 1201.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, GRADES, ELEVATIONS, AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. IF THE CONTRACTOR DOES NOT CONCUR WITH THE ELEVATION PROVIDED ON THE DRAWINGS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IN WRITING PRIOR TO CONSTRUCTION. NO CONSTRUCTION WILL BE ALLOWED TO BEGIN UNTIL THESE CONFLICTS ARE RESOLVED. EXISTING CONDITIONS WERE TAKEN FROM THE BEST AVAILABLE INFORMATION OR MAPPING. INFORMATION SHOWN CONCERNING FEATURES AND UTILITIES IS NOT GUARANTEED ALL INCLUSIVE OR CORRECT. THE CONTRACTOR IS TO VERIFY THE FEATURES PRIOR TO CONSTRUCTION. EXISTING UTILITIES ARE TO BE MAINTAINED IN SERVICE AT ALL TIMES. THE LOCATION OF MATERIALS AND DIMENSIONS OF EXISTING FACILITIES AND OBSTRUCTIONS ARE BASED UPON LOCATION RECORDS AND ARE SHOWN ON THE DRAWINGS STRICTLY AS AID TO THE CONTRACTOR, BUT MUST NOT BE CONSTRUED AS BEING ACCURATE, CORRECT OR COMPLETE. ALL STRUCTURES ABOVE OR BELOW GROUND THAT ARE ENCOUNTERED DURING CONSTRUCTION ARE TO BE PROPERLY SUPPORTED AND MAINTAINED.
- RANDALL ROAD AND US ROUTE 20 SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES UNLESS OTHERWISE DESIGNATED IN THE PLANS OR BY THE ENGINEER. WHEN NECESSARY TO CLOSE ONE LANE DUE TO CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION DURING CONSTRUCTION HOURS WITH THE USE OF SIGNS, BARRICADES AND FLAGMEN AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. ACCESS TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR MUST COORDINATE OFF-SITE HAUL AND ACCESS ROUTES WITH THE PARTY HAVING JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL AND ACCESS ROUTES MUST BE MAINTAINED BY THE CONTRACTOR AND MUST BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. FENCING, DRAINAGE, GRADING, RESURFACING, OR OTHER WORK NECESSARY TO CONSTRUCT AND MAINTAIN HAUL ROUTES IS THE CONTRACTOR'S RESPONSIBILITY AND MUST BE APPROVED BY THE ENGINEER PRIOR TO THE WORK.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS.
- ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- PRIOR TO PLACING HMA ADJACENT TO EXISTING PAVEMENT TO REMAIN, THE EXPOSED EDGE SHALL BE CLEANED OF LOOSE MATERIAL TO THE SATISFACTION OF THE ENGINEER.
- 10 FT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER.
- QUANTITIES FOR PATCHING SHALL NOT EXCEED THOSE PROVIDED IN THE SUMMARY OF QUANTITIES UNLESS APPROVED BY THE ENGINEER. THE ENGINEER WILL VERIFY FINAL PATCH LOCATIONS IN THE FIELD PRIOR TO REMOVAL.
- SHOULD ANY DAMAGES OCCUR DUE TO THE CONTRACTOR'S NEGLIGENCE, THE CONTRACTOR, IN ACCORDANCE WITH ARTICLE 107.20, SHALL MAKE REPAIRS IN A MANNER ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF THE CONSTRUCTION SCHEDULE AND COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER.
- THE CONTRACTOR'S SUPERINTENDENT OR DESIGNEE MUST BE ON THE CONSTRUCTION SITE DURING THE WORKING HOURS WHILE THIS PROJECT IS IN PROGRESS. THE CONTRACTOR'S SUPERINTENDENT MUST BE THE DESIGNATED RESPONSIBLE CONTRACTOR REPRESENTATIVE AND MUST BE AVAILABLE IN CASE OF EMERGENCIES ON A TWENTY-FOUR (24) HOUR BASIS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING PAVEMENT OR PROPERTY DAMAGED DURING CONSTRUCTION OPERATIONS BY CONTRACTOR'S FORCES INCLUDING SUBCONTRACTORS.
- THE CONTRACTOR MUST COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS, AS WELL AS THOSE SPECIFIED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS.

- PATCHING ITEMS WILL BE MEASURED FOR PAYMENT AT EACH LOCATION BASED ON THE FULL WIDTH AND LENGTH OF THE ROADWAY REQUIRING A PATCH IN ORDER TO DETERMINE THE PATCHING TYPE. THE REQUIRED MOT STAGING TO CONSTRUCT THE FULL PATCH SHALL NOT BE USED TO DETERMINE PATCH TYPES.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED JUNE 2013.
- ALL EXCAVATION AND EMBANKMENT SHALL BE CONSTRUCTED SIX (6) INCHES BELOW FINISHED GRADE LINE TO ALLOW FOR TOPSOIL PLACEMENT (WHERE 6" TOPSOIL PLACEMENT IS SPECIFIED).
- THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
- SHOULD DEWATERING OPERATIONS BE REQUIRED, THE CONTRACTOR MUST COORDINATE THEIR WORK WITH THE KDSWCD AND MEET ALL KDSWCD REQUIREMENTS. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
- REMOVAL OF EXISTING PAVEMENT MARKINGS AND EXISTING PAVEMENT MARKERS LOCATED ON RESURFACED OR RECONSTRUCTED PAVEMENT AREAS WILL NOT BE MEASURED FOR PAYMENT. THE CONTRACTOR SHALL REMOVE REFLECTORS FROM EXISTING PAVEMENT MARKERS WHEN THE PAVEMENT MARKERS ARE IN CONFLICT WITH THE TEMPORARY STRIPING. THE CONTRACTOR SHALL REINSTALL THE REFLECTORS AT THE COMPLETION OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. REMOVAL OF EXISTING PAVEMENT MARKINGS OUTSIDE OF RESURFACED OR RECONSTRUCTED AREAS NECESSARY FOR MAINTENANCE OF TRAFFIC SHALL BE MEASURED FOR PAYMENT. REMOVAL LIMITS WILL BE DETERMINED BY THE ENGINEER.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

TREE REMOVAL AND PROTECTION

- THE CONTRACTOR SHALL NOT REMOVE ANY TREES OTHER THAN THOSE DESIGNATED FOR REMOVAL ON THE PLANS UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- TREE PROTECTION (TEMPORARY FENCE) SHOULD BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TREE PROTECTION (TEMPORARY FENCE) ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.
- OVERHANGING LIMBS ARE TO BE TRIMMED OR CUT OFF TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF TWENTY (20) FEET FROM THE FINISHED SURFACE OF THE ROAD. CLEARANCE TO SIDEWALKS OR PATHS SHALL BE AS DIRECTED BY THE ENGINEER. LIMB PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF AN APPROVED TREE EXPERT AS STATED IN THESE NOTES AND SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION. ALL CUTS OVER ONE (1) INCH IN DIAMETER SHALL BE MADE AT THE GROWTH RING AT THE NEXT LARGE BRANCH. ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

TOPSOIL

- EXISTING TOPSOIL DEPTH IS ESTIMATED TO BE NINE (9) INCHES. THE PROPOSED TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES. THE CROSS SECTIONS INDICATE THE FINISHED GRADE OF TOPSOIL. THE ACTUAL DEPTH OF TOPSOIL SHALL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER.

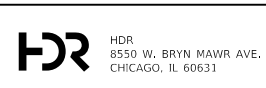
ROADWAY EXCAVATION

- THE CONTRACTOR WILL HAVE THE OPTION OF REMOVING THE EXISTING HOT-MIX ASPHALT PAVEMENT BY GRINDING OR EXCAVATING. NO HOT-MIX ASPHALT PAVEMENT SHALL BE REMOVED IN AREAS TO BE USED FOR TEMPORARY ROADWAY.
- THE CONTRACTOR SHALL NOT CROSS COMPLETED BASE COURSE OR EXISTING PAVEMENT, NOT SCHEDULED TO BE REMOVED, WITH TRACK EQUIPMENT OR LOADED SCRAPERS.
- ALL EMBANKMENTS AND SUB-GRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING AGGREGATE SUBGRADE OR SUB-BASE GRANULAR MATERIAL.

HOT-MIX ASPHALT SURFACE AND HOT-MIX ASPHALT BASE COURSE

- HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, BASE COURSE, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
- HOT-MIX ASPHALT BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: N/A SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	3
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

GENERAL NOTES (CONT.)

UTILITY

1. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. IDOT, KANE COUNTY NOR THE CONSULTANT GUARANTEES THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS TO NOT DAMAGE THEM. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE "STANDARD SPECIFICATIONS".
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH WORK TO BE PERFORMED BY UTILITY COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY WORK WITH THEIR SUBCONTRACTORS.
3. WHENEVER THE CONTRACTOR ENCOUNTERS FACILITIES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS DURING TRENCHING OPERATIONS, HE/SHE SHALL BE REQUIRED TO HAND TRENCH IN THAT AREA IN ORDER NOT TO DAMAGE THE FACILITIES. SHOULD THE ENGINEER BE ABLE TO ASCERTAIN THAT THE FACILITY IS ABANDONED, THE CONTRACTOR MAY THEN USE MACHINE METHODS.
4. CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING WATERMAIN PIPE BEFORE FABRICATION OR INSTALLATION OF DRAINAGE STRUCTURES. SHOULD A CONFLICT BETWEEN EXISTING UTILITIES AND PROPOSED DRAINAGE STRUCTURES BE IDENTIFIED, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
5. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITIES LISTED IN THE TABLE PROVIDED AND ANY OTHER UTILITY LOCATED WITHIN THE PROJECT LIMITS OR IMPACTED BY CONSTRUCTION ACTIVITIES.
6. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THIRD PARTY COMMITMENTS

1. NONE

UTILITY AND MUNICIPAL CONTACT LIST

AT&T HECTOR GARCIA 1000 COMMERCE DRIVE OAK BROOK, IL 60523 630-573-5465	UNDERGROUND-TELEPHONE AERIAL-TELEPHONE	NICOR BRUCE KOPPANG 1844 FERRY ROAD NAPERVILLE, IL 60563 630-388-3046	UNDERGROUND-GAS
CITY OF ELGIN ENGINEERING DIVISION 1900 HOLMES ROAD ELGIN, IL 60123 311	UNDERGROUND-SANITARY SEWER UNDERGROUND-STORM SEWER UNDERGROUND-WATER MAIN UNDERGROUND-FIBER OPTIC	ELGIN POLICE DEPARTMENT 151 DOUGLAS AVENUE ELGIN, IL 60120 847-289-2700	POLICE DEPARTMENT
COMCAST AXEL PEREZ 688 INDUSTRIAL DRIVE ELMHURST, IL 60523 773-851-8613	AERIAL-CABLE TV UNDERGROUND-CABLE TV	ELGIN FIRE DEPARTMENT 550 SUMMIT STREET ELGIN, IL 60120 847-931-6175	FIRE DEPARTMENT
COMED AARON BABU ONE LINCOLN CENTRE, SUITE 600 OAK BROOK TERRACE, IL 60181 708-683-9348	AERIAL-ELECTRIC UNDERGROUND-ELECTRIC	SCHOOL DISTRICT 46 355 E. CHICAGO STREET ELGIN, IL 60120 847-888-5000	SCHOOL DISTRICT
MCI JIM TODD 7719 W. 60TH PLACE SUMMIT, IL 60501 708-458-6410	UNDERGROUND-FIBER OPTIC	WIDE OPEN WEST PAUL FLINKOW 1674 FRONTENAC ROAD NAPERVILLE, IL 60563 630-536-3139	AERIAL-CABLE TV UNDERGROUND-CABLE TV

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

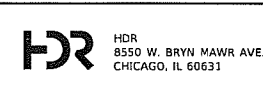
GENERAL NOTES

SCALE: N/A SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	4
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 RESTORATION AND REHABILITATION	0021 SAFETY	0031 LANDSCAPE	0042 TRAINEES	0044 OTHER	
					80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	100% LOCAL AGENCY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	71			71			
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	94			94			
	20100500	TREE REMOVAL, ACRES	ACRE	2			2			
	20101000	TEMPORARY FENCE	FOOT	450	450					
	20101100	TREE TRUNK PROTECTION	EACH	5	5					
	20200100	EARTH EXCAVATION	CU YD	10,862	10,862					
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,295	1,295					
	20400800	FURNISHED EXCAVATION	CU YD	12,134	12,134					
	20800150	TRENCH BACKFILL	CU YD	2,181	2,181					
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,154	1,154					
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	5,595	5,595					
	21400100	GRADING AND SHAPING DITCHES	FOOT	1,038	1,038					
	21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	500	500					
+	25000210	SEEDING, CLASS 2A	ACRE	6.7			6.7			
+	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	601			601			
+	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	601			601			
+	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	601			601			
+	25100115	MULCH, METHOD 2	ACRE	1	1					
+	25100630	EROSION CONTROL BLANKET	SQ YD	32,448	32,448					
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,909	2,909					
	28000305	TEMPORARY DITCH CHECKS	FOOT	258	258					
	28000400	PERIMETER EROSION BARRIER	FOOT	7,242	7,242					
	28000510	INLET FILTERS	EACH	48	48					
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	29,780	29,780					
	28200200	FILTER FABRIC	SQ YD	20	20					
	28500100	FABRIC FORMED CONCRETE REVETMENT MAT	SQ YD	673	673					



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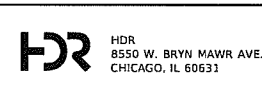
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES
 SCALE: N/A SHEET 1 OF 11 SHEETS STA. N/A TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 61F57				

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SPECIALTY ITEM	CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 RESTORATION AND REHABILITATION	0021 SAFETY	0031 LANDSCAPE	0042 TRAINEES	0044 OTHER	
					80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	100% LOCAL AGENCY
	3030001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,996	1,996					
	3030012	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	16,898	16,898					
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	581	581					
	31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	1,523	1,523					
	35501311	HOT-MIX ASPHALT BASE COURSE, 6 3/4"	SQ YD	696	696					
	35501317	HOT-MIX ASPHALT BASE COURSE, 8 1/4"	SQ YD	1,819	1,819					
	35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	1,575	1,575					
	35501323	HOT-MIX ASPHALT BASE COURSE, 9 3/4"	SQ YD	4,989	4,989					
	35600703	HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4"	SQ YD	184	184					
	35600709	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4"	SQ YD	140	140					
	35600715	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4"	SQ YD	101	101					
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	31,814	31,814					
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	18,176	18,176					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	52	52					
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	40	40					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	124	124					
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	6	6					
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	261	261					
	40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	1,342	1,342					
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,408	1,408					
	40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1,075	1,075					
	42001300	PROTECTIVE COAT	SQ YD	4,353	4,353					
	44000100	PAVEMENT REMOVAL	SQ YD	5,048	5,048					
	44000166	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"	SQ YD	10,402	10,402					
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	164	164					
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3,444	3,444					



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 2 OF 11 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F57	

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SPECIALTY ITEM	CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 RESTORATION AND REHABILITATION	0021 SAFETY	0031 LANDSCAPE	0042 TRAINEES	0044 OTHER	
					80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	100% LOCAL AGENCY
	44003100	MEDIAN REMOVAL	SQ FT	7,208	7,208					
	44004250	PAVED SHOULDER REMOVAL	SQ YD	5,241	5,241					
	44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	1,633	1,633					
	44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	260	260					
	44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	260	260					
	44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	260	260					
	44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	260	260					
	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4,031	4,031					
	48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	374		374				
	48203038	HOT-MIX ASPHALT SHOULDERS, 10 1/4"	SQ YD	1,396	1,396					
	48203041	HOT-MIX ASPHALT SHOULDERS, 11"	SQ YD	760	760					
	48203044	HOT-MIX ASPHALT SHOULDERS, 11 3/4"	SQ YD	2,485	2,485					
	50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2					
	50105220	PIPE CULVERT REMOVAL	FOOT	282	282					
	50200100	STRUCTURE EXCAVATION	CU YD	575					575	
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	466					466	
	50300285	FORM LINER TEXTURED SURFACE	SQ FT	8,013					8,013	
	50300300	PROTECTIVE COAT	SQ YD	1,072					1,072	
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	65,840					65,840	
	51500100	NAME PLATES	EACH	1					1	
	52200500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	7,079					7,079	
	54213655	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 10"	EACH	1	1					
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	7	7					
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	9	9					
	54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	1	1					
	54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	470	470					



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

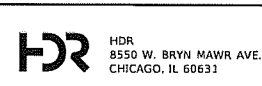
SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 3 OF 11 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F57	

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	54262712	METAL FLARED END SECTIONS 12"	EACH	1	1					
	54262724	METAL FLARED END SECTIONS 24"	EACH	1	1					
	542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	525	525					
	542D1093	PIPE CULVERTS, CLASS D, TYPE 2 48"	FOOT	38	38					
	54390180	INSERTION CULVERT LINER 24"	FOOT	280	280					
	550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	5	5					
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	81	81					
	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	78	78					
	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	351	351					
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	122	122					
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	795	795					
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	244	244					
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	869	869					
	550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	43	43					
	550A4800	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	FOOT	502	502					
	550A4900	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 24"	FOOT	244	244					
	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	FOOT	250	250					
	55100500	STORM SEWER REMOVAL 12"	FOOT	37	37					
	55101200	STORM SEWER REMOVAL 24"	FOOT	5	5					
	55200200	STORM SEWERS JACKED IN PLACE, 12"	FOOT	41	41					
	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1					
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4					
	60100945	PIPE DRAINS 12"	FOOT	37	37					
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	8,397	8,397					
	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2					
	60205010	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	2	2					



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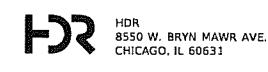
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE: N/A	SHEET 4 OF 11 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 8
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 RESTORATION AND REHABILITATION	0021 SAFETY	0031 LANDSCAPE	0042 TRAINEES	0044 OTHER	
					80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	100% LOCAL AGENCY
	60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	8	8					
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1					
	60219510	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	2	2					
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3					
	60222210	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	7	7					
	60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1					
	60224035	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	1	1					
	60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1					
	60224464	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	1	1					
	60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	EACH	5	5					
	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1	1					
	60240312	INLETS, TYPE B, TYPE 11V FRAME AND GRATE	EACH	1	1					
	60240324	INLETS, TYPE B, TYPE 20 FRAME AND GRATE	EACH	1	1					
	60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	1	1					
	60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1					
	60260100	INLETS TO BE ADJUSTED	EACH	1	1					
	60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1					
	60500050	REMOVING CATCH BASINS	EACH	1	1					
	60500060	REMOVING INLETS	EACH	2	2					
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	593	593					
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	4,517	4,517					
	60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	193	193					
	60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	484	484					
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	4,819	4,819					
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	2,752	2,752					
	61000050	CONCRETE THRUST BLOCKS	EACH	1	1					



USER NAME = RROGERS	DESIGNED - AKS	REVISED -
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PLOT SCALE = 2.0000 / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

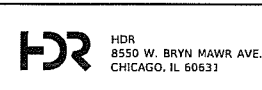
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 5 OF 11 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	9
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	
			CONTRACT NO. 61F57	

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SPECIALTY ITEM	CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 RESTORATION AND REHABILITATION	0021 SAFETY	0031 LANDSCAPE	0042 TRAINEES	0044 OTHER	
					80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	100% LOCAL AGENCY
	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1		1				
+	72000100	SIGN PANEL - TYPE 1	SQ FT	333					333	
+	72000200	SIGN PANEL - TYPE 2	SQ FT	270					270	
+	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	53					53	
+	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	7					7	
+	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3		3				
+	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	341					341	
+	73000100	WOOD SIGN SUPPORT	FOOT	278					278	
+	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	162		162				
+	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13,017		13,017				
+	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	457		457				
+	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	6,228		6,228				
+	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	241		241				
+	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	34		34				
+	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	219		219				
+	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	10,016		10,016				
+	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1,375		1,375				
+	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1,012		1,012				
+	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	321		321				
+	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	48		48				
+	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	206		206				
+	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	7		7				
+	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	56		56				
+	78200020	CURB REFLECTORS	EACH	62		62				
+	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	612		612				
+	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	662		662				



USER NAME = RROGERS	DESIGNED - AKS	REVISED -
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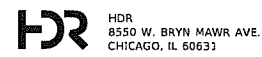
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A	SHEET 7 OF 11 SHEETS	STA. N/A	TO STA. N/A	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				336/345	14-00446-00-CH	KANE	354	11
				FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		
				CONTRACT NO. 61F57				

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SPECIALTY ITEM	CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 RESTORATION AND REHABILITATION	0021 SAFETY	0031 LANDSCAPE	0042 TRAINEES	0044 OTHER	
					80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	100% LOCAL AGENCY
+	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,519		1,519				
+	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1,845		1,845				
+	81400100	HANDHOLE	EACH	9		9				
+	81400200	HEAVY-DUTY HANDHOLE	EACH	7		7				
+	81400300	DOUBLE HANDHOLE	EACH	2		2				
+	81603080	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	730		730				
+	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	5,895		5,895				
+	81800320	AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE	FOOT	480		480				
+	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	15		15				
+	83008300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	8		8				
+	83050800	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. MAST ARM	EACH	3		3				
+	83057355	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	4		4				
+	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	105		105				
+	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	11		11				
+	84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	4		4				
+	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	7		7				
+	84200804	REMOVAL OF POLE FOUNDATION	EACH	7		7				
+	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3		3				
+	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,080		3,080				
+	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,191		1,191				
+	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,371		3,371				
+	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,047		1,047				
+	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,432		4,432				
+	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	1,086		1,086				
+	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,961		1,961				
+	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6		4			2	



USER NAME = RROGERS	DESIGNED - AKS	REVISED -
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	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 8 OF 11 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	12
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004	0021	0031	0042	0044	
					RESTORATION AND REHABILITATION	SAFETY	LANDSCAPE	TRAINEES	OTHER	
					80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	100% LOCAL AGENCY
+	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1				
+	87700130	STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1		1				
+	87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1				
+	87703050	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1		1				
+	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	30		24			6	
+	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4				
+	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10		10				
+	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11		11				
+	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21		21				
+	87900200	DRILL EXISTING HANDHOLE	EACH	2		2				
+	88030012	SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	2		2				
+	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6		6				
+	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4				
+	88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2		2				
+	88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1		1				
+	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	15		15				
+	88500100	INDUCTIVE LOOP DETECTOR	EACH	11		11				
+	88600100	DETECTOR LOOP, TYPE 1	FOOT	581		581				
+	88700200	LIGHT DETECTOR	EACH	4		4				
+	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1				
+	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1				
+	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7,944		7,944				
+	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1				
+	89502380	REMOVE EXISTING HANDHOLE	EACH	15		15				
+	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2		2				
+	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6		6				



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DATE - 01-03-19		

REVISOR	DATE	REVISION

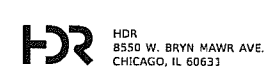
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N/A	SHEET 9 OF 11 SHEETS	STA. N/A	TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	13
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 RESTORATION AND REHABILITATION	0021 SAFETY	0031 LANDSCAPE	0042 TRAINEES	0044 OTHER	
					80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	100% LOCAL AGENCY
+	A2000220	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10			10			
+	B2002220	TREE, CRATAEGUS VIRIDIS WINTER KING (WINTER KING GREEN HAWTHORN), 2-1/2" CALIPER, TREE FORM, BALLED & BURLAPPED	EACH	8			8			
+	D2001560	EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 5' HEIGHT, BALLED AND BURLAPPED	EACH	18			18			
	X0322279	OUTLET MARKER	EACH	4	4					
+	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,217		1,217				
+	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	500		500				
	X0325201	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	586		586				
	X0325592	REMOVE AND REPLACE STONE RIPRAP	CU YD	38	38					
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	7,443		7,443				
	X1200090	TRAVERSABLE PIPE GRATE, SPECIAL	EACH	2	2					
+	X1400101	NETWORK CONFIGURATION	L SUM	1		1				
+	X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	895		895				
+	X1400145	RADAR SPEED SIGN	EACH	2					2	
+	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1				
	X2111000	TOPSOIL EXCAVATION	CU YD	4,827	4,827					
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1					
	X5010523	REMOVE CONCRETE END SECTION	EACH	17	17					
	X5420612	PIPE CULVERTS TO BE CLEANED 12"	FOOT	122	122					
	X5420624	PIPE CULVERTS TO BE CLEANED 24"	FOOT	100	100					
	X5420648	PIPE CULVERTS TO BE CLEANED 48"	FOOT	224	224					
	X6020084	MANHOLE, SPECIAL	EACH	1	1					
	X6020090	MANHOLES, WITH RESTRICTOR PLATE	EACH	2	2					
	X6022111	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 8 GRATE	EACH	1	1					
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
+	X7010410	SPEED DISPLAY TRAILER	CAL MO	6					6	
	X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	1,260					1,260	



USER NAME = RROGERS	DESIGNED - AKS	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N/A	SHEET 10 OF 11 SHEETS	STA. N/A	TO STA. N/A

F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 14
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 RESTORATION AND REHABILITATION	0021 SAFETY	0031 LANDSCAPE	0042 TRAINEES	0044 OTHER	
					80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	80% FEDERAL 20% LOCAL AGENCY	100% LOCAL AGENCY
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	18,000		18,000				
	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	738		738				
+	X7800200	PAINT PAVEMENT MARKING CURB	FOOT	174		174				
+	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	66		66				
+	X8100863	INTERCEPT EXISTING CONDUIT	EACH	3		3				
+	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1				
+	X8620250	UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1		1				
+	X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	3,080		3,080				
	Z0013796	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE	SQ YD	330	330					
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
	Z0022800	FENCE REMOVAL	FOOT	2,323	2,323					
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	64					64	
+	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	11		11				
+	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	13		13				
+	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	4		4				
	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	13,156	13,156					
	Z0038121	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2"	SQ YD	103	103					
	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	150	150					
	Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	200	200					
+	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1				
	Z0076600	TRAINEES	HOURL	1,500				1,500		
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	1,500				1,500		
+	XX007251	INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1		1				
+	XX008454	ETHERNET SWITCH, TYPE 2	EACH	1		1				
+	XX008963	THREE CELL FABRIC INNERDUCT	FOOT	1,514		1,514				
	XX009242	ANTI-GRAFFITI PROTECTION SYSTEM	SQ FT	8,691						8,691

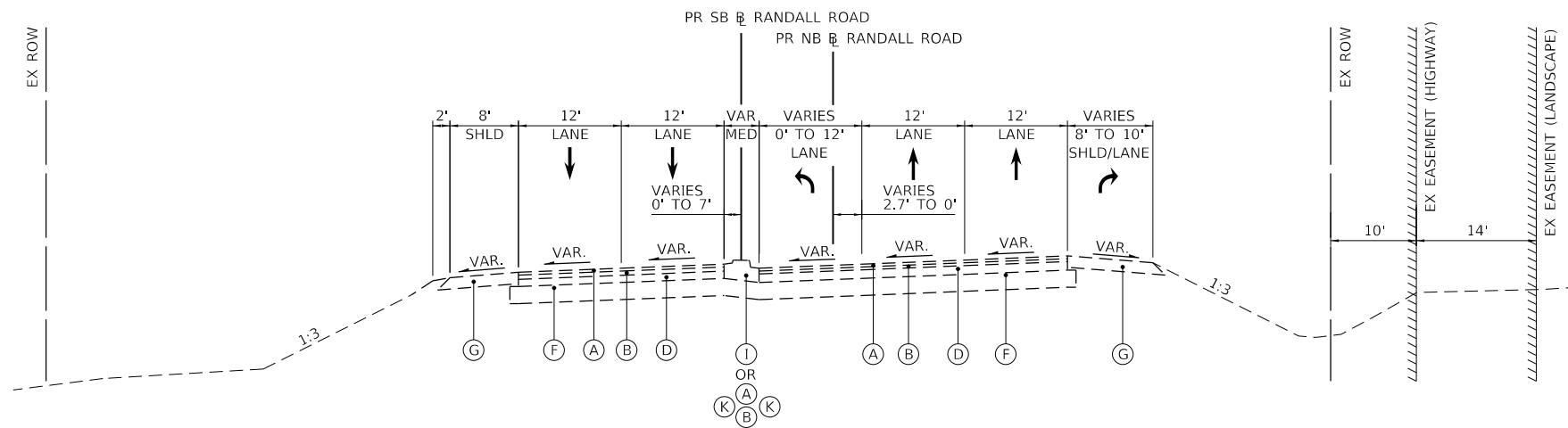


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N/A	SHEET 11 OF 11 SHEETS	STA. N/A	TO STA. N/A

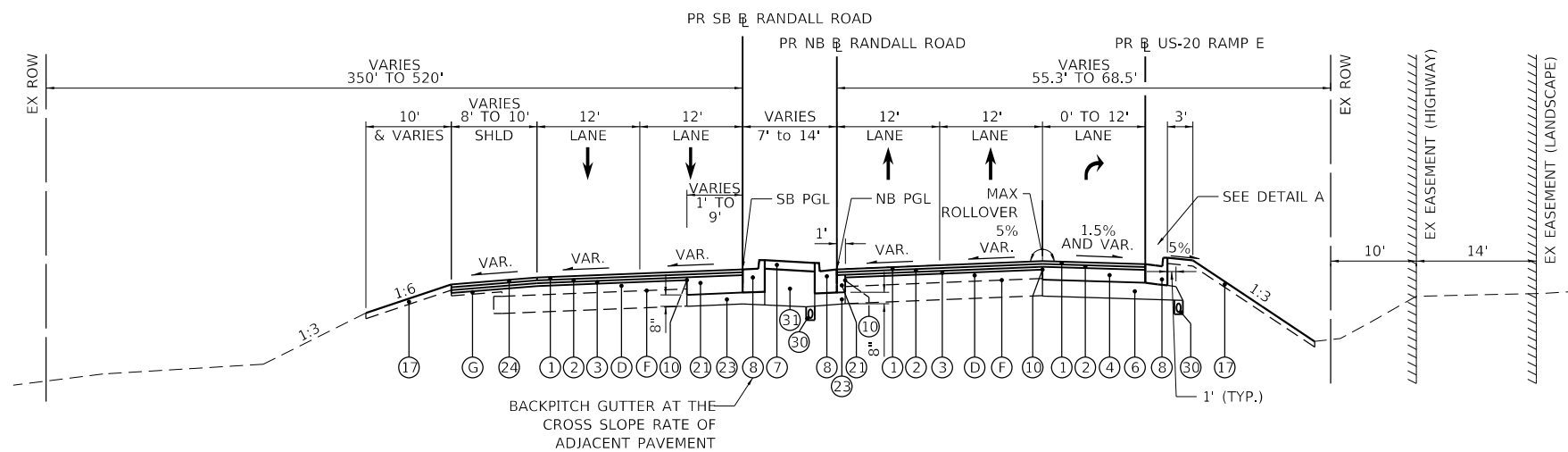
F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 15
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 61F57				



EXISTING TYPICAL SECTION

STA. 233+65.0 TO STA. 241+00.6 (PR SB R RANDALL ROAD)
 STA. 331+63.0 TO STA. 341+01.8 (PR NB R RANDALL ROAD)

INTERSECTION LOCATION - NO TYPICAL SECTION
 STA. 241+00.6 TO STA. 241+80.0 (PR SB R RANDALL ROAD)
 STA. 341+01.8 TO STA. 341+81.3 (PR NB R RANDALL ROAD)



PROPOSED TYPICAL SECTION

STA. 233+65.0 TO STA. 241+00.6 (PR SB R RANDALL ROAD)
 STA. 331+63.0 TO STA. 341+01.8 (PR NB R RANDALL ROAD)

INTERSECTION LOCATION - NO TYPICAL SECTION
 STA. 241+00.6 TO STA. 241+80.0 (PR SB R RANDALL ROAD)
 STA. 341+01.8 TO STA. 341+81.3 (PR NB R RANDALL ROAD)

EXISTING LEGEND

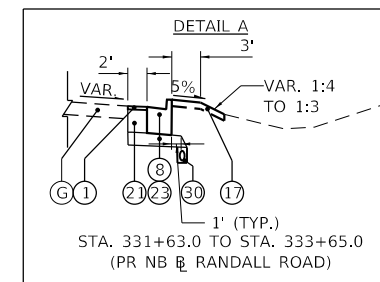
- (A) HMA SURFACE COURSE, 1 1/2" TO 2"
- (B) HMA BINDER COURSE 2 1/2" TO 3 1/2"
- (C) PCC PAVEMENT 10" & VARIES
- (D) HMA BASE COURSE, 8" TO 12"
- (E) AGGREGATE SUBGRADE, 12"
- (F) SUB-BASE GRANULAR MATERIAL 8 1/2"
- (G) HMA SHOULDER 8"
- (H) AGGREGATE SHOULDER
- (I) CONCRETE MEDIAN, TYPE SM-2.12
- (J) CONCRETE MEDIAN, TYPE SB-6.12
- (K) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
- (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (N) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (O) STEEL PLATE BEAM GUARDRAIL

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (40603565)
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" (40603240)
- (3) LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (40600635)
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4" (35600703) OR HOT-MIX ASPHALT BASE COURSE, 6 3/4" (35501311)
- (5) HOT-MIX ASPHALT SHOULDERS, 11" (48203041)
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (7) CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (10) STRIP REFLECTIVE CRACK CONTROL TREATMENT (44300200)
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (60608600)
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (60610400)
- (13) SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
- (14) RETAINING WALL
- (15) CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT (63700280)
- (16) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)
- (17) SEEDING, CLASS 2A (25000210)
 NITROGEN FERTILIZER NUTRIENT (25000400)
 PHOSPHORUS FERTILIZER NUTRIENT (25000500)
 POTASSIUM FERTILIZER NUTRIENT (25000600)
 TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (18) CONCRETE MEDIAN, TYPE SB-6.12 (60619600)
- (19) AGGREGATE SHOULDERS, TYPE B 10" (48101620)
- (20) HOT-MIX ASPHALT SHOULDERS, 11 3/4" (48203044)
- (21) CLASS C PATCHES, TYPE IV, 12 INCH (44201383)
- (22) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
- (23) SUBBASE GRANULAR MATERIAL, TYPE B 8" (31101600)
- (24) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (40603340)
- (25) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4" (40603085)
- (26) HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (35600715) OR HOT-MIX ASPHALT BASE COURSE, 9 3/4" (35501323)
- (27) HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4" (35600709) OR HOT-MIX ASPHALT BASE COURSE, 8 1/4" (35501317)
- (28) HOT-MIX ASPHALT SHOULDERS, 10 1/4" (48203038)
- (29) HOT-MIX ASPHALT BASE COURSE, 9" (35501320)
- (30) PIPE UNDERDRAINS, TYPE 2, 4" (60108204)
- (31) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (32) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)

NOTES:

- 1) SEE PLANS FOR MEDIAN LIMITS
- 2) IN SUPERELEVATED SECTIONS THE GUTTER WILL BE BACKPITCHED.
- 3) SEE CROSS SECTIONS FOR PAVEMENT CROSS SLOPES.
- 4) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH 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 OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- 5) ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- 6) THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.



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USER NAME = RRORGERS
 DESIGNED - AKS
 DRAWN - AKS
 PLOT SCALE = 20.0000 ' / in.
 PLOT DATE = 01/03/2019

CHECKED - DWW
 DATE - 01-03-19

REVISED -
 REVISED -
 REVISED -
 REVISED -

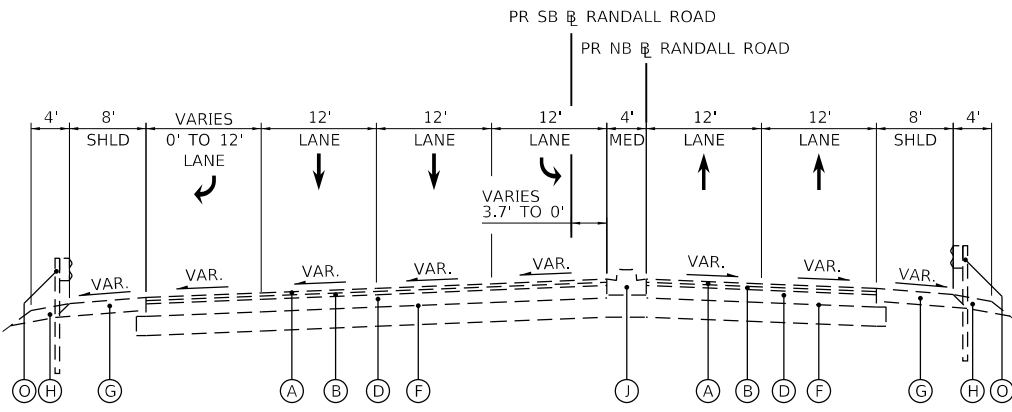
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
 RANDALL ROAD

SCALE: NTS SHEET 1 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	16
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MODEL: Default
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 PLOT DATE: 01/03/2019
 PROJECT: RANDALL ROAD
 COUNTY: ILLINOIS
 SHEETS: TYPICAL SECTIONS - RANDALL RD

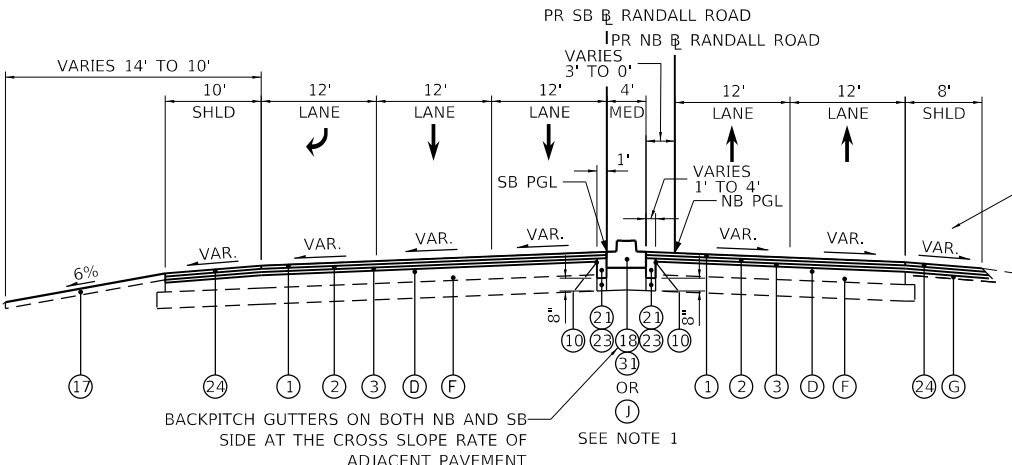


EXISTING TYPICAL SECTION

STA. 241+80.0 TO STA. 244+02.7 (PR SB RANDALL ROAD)
 STA. 341+81.4 TO STA. 343+83.6 (PR NB RANDALL ROAD)

BRIDGE LOCATION - NO TYPICAL SECTION
 STA. 244+02.7 TO STA. 247+71.1 (PR SB RANDALL ROAD)
 STA. 343+83.6 TO STA. 347+72.6 (PR NB RANDALL ROAD)

SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY



PROPOSED TYPICAL SECTION

STA. 241+80.0 TO STA. 244+02.7 (PR SB RANDALL ROAD)
 STA. 341+81.4 TO STA. 343+83.6 (PR NB RANDALL ROAD)

BRIDGE LOCATION - NO TYPICAL SECTION
 STA. 244+02.7 TO STA. 247+71.1 (PR SB RANDALL ROAD)
 STA. 343+83.6 TO STA. 347+72.6 (PR NB RANDALL ROAD)

SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY

NOTES:

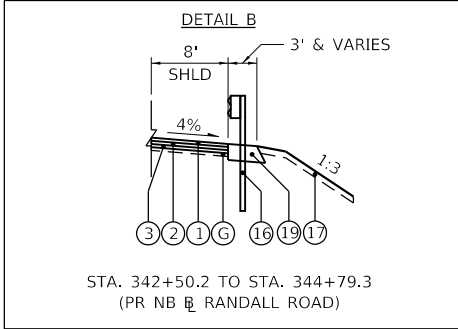
- 1) SEE PLANS FOR MEDIAN LIMITS
- 2) IN SUPERELEVATED SECTIONS THE GUTTER WILL BE BACKPITCHED.
- 3) SEE CROSS SECTIONS FOR PAVEMENT CROSS SLOPES.
- 4) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH 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 OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- 5) ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- 6) THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

EXISTING LEGEND

- (A) HMA SURFACE COURSE, 1 1/2" TO 2"
- (B) HMA BINDER COURSE 2 1/2" TO 3 1/2"
- (C) PCC PAVEMENT 10" & VARIES
- (D) HMA BASE COURSE, 8" TO 12"
- (E) AGGREGATE SUBGRADE, 12"
- (F) SUB-BASE GRANULAR MATERIAL 8 1/2"
- (G) HMA SHOULDER 8"
- (H) AGGREGATE SHOULDER
- (I) CONCRETE MEDIAN, TYPE SM-2.12
- (J) CONCRETE MEDIAN, TYPE SB-6.12
- (K) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
- (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (N) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (O) STEEL PLATE BEAM GUARDRAIL

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (40603565)
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" (40603240)
- (3) LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (40600635)
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4" (35600703) OR HOT-MIX ASPHALT BASE COURSE, 6 3/4" (35501311)
- (5) HOT-MIX ASPHALT SHOULDERS, 11" (48203041)
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (7) CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (10) STRIP REFLECTIVE CRACK CONTROL TREATMENT (44300200)
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (60608600)
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (60610400)
- (13) SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
- (14) RETAINING WALL
- (15) CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT (63700280)
- (16) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)
- (17) SEEDING, CLASS 2A (25000210)
 NITROGEN FERTILIZER NUTRIENT (25000400)
 PHOSPHORUS FERTILIZER NUTRIENT (25000500)
 POTASSIUM FERTILIZER NUTRIENT (25000600)
 TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (18) CONCRETE MEDIAN, TYPE SB-6.12 (60619600)
- (19) AGGREGATE SHOULDERS, TYPE B 10" (48101620)
- (20) HOT-MIX ASPHALT SHOULDERS, 11 3/4" (48203044)
- (21) CLASS C PATCHES, TYPE IV, 12 INCH (44201383)
- (22) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
- (23) SUBBASE GRANULAR MATERIAL, TYPE B 8" (31101600)
- (24) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (40603340)
- (25) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4" (40603085)
- (26) HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (35600715) OR HOT-MIX ASPHALT BASE COURSE, 9 3/4" (35501323)
- (27) HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4" (35600709) OR HOT-MIX ASPHALT BASE COURSE, 8 1/4" (35501317)
- (28) HOT-MIX ASPHALT SHOULDERS, 10 1/4" (48203038)
- (29) HOT-MIX ASPHALT BASE COURSE, 9" (35501320)
- (30) PIPE UNDERDRAINS, TYPE 2, 4" (60108204)
- (31) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (32) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)



USER NAME = RR0GERS	DESIGNED - AKS	REVISED -
DRAWN - AKS	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 RANDALL ROAD**

SCALE: NTS SHEET 2 OF 7 SHEETS STA. N/A TO STA. N/A

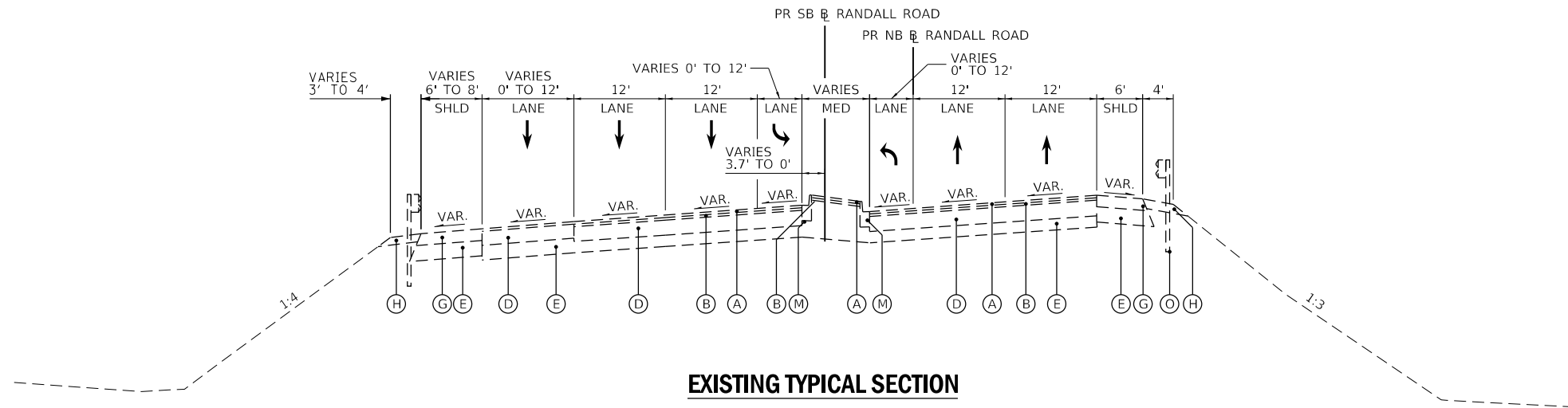
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	17
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EXISTING LEGEND

- (A) HMA SURFACE COURSE, 1 1/2" TO 2"
- (B) HMA BINDER COURSE 2 1/4" TO 3 1/4"
- (C) PCC PAVEMENT 10" & VARIES
- (D) HMA BASE COURSE, 8" TO 12"
- (E) AGGREGATE SUBGRADE, 12"
- (F) SUB-BASE GRANULAR MATERIAL 8 1/2"
- (G) HMA SHOULDER 8"
- (H) AGGREGATE SHOULDER
- (I) CONCRETE MEDIAN, TYPE SM-2.12
- (J) CONCRETE MEDIAN, TYPE SB-6.12
- (K) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
- (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (N) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (O) STEEL PLATE BEAM GUARDRAIL

PROPOSED LEGEND

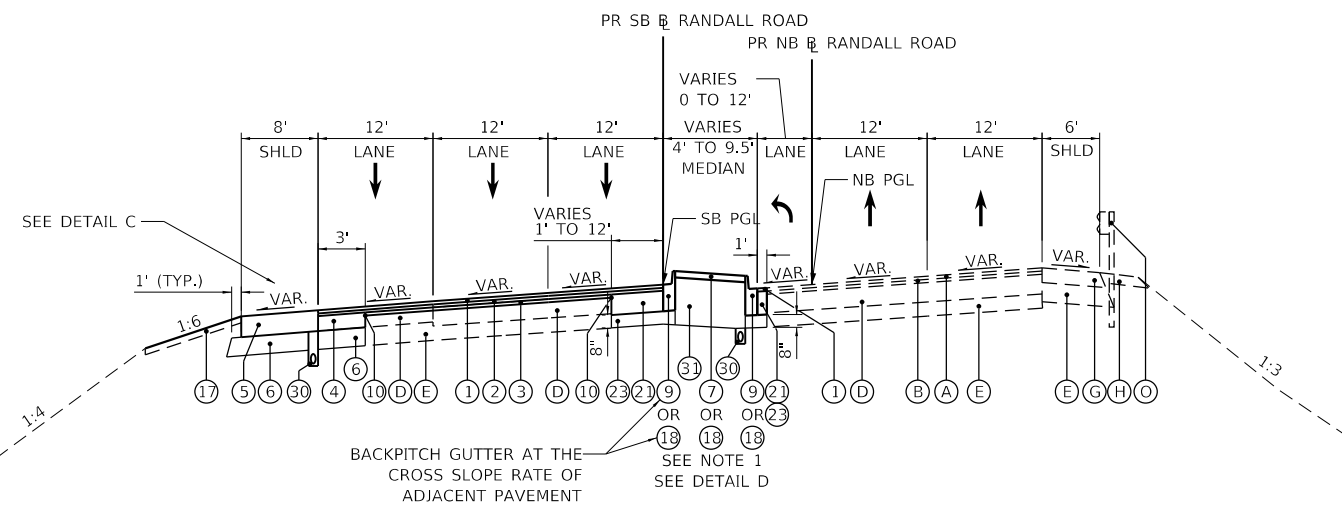
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (40603565)
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" (40603240)
- (3) LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (40600635)
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4" (35600703) OR HOT-MIX ASPHALT BASE COURSE, 6 3/4" (35501311)
- (5) HOT-MIX ASPHALT SHOULDERS, 11" (48203041)
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (7) CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (10) STRIP REFLECTIVE CRACK CONTROL TREATMENT (44300200)
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (60608600)
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (60610400)
- (13) SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
- (14) RETAINING WALL
- (15) CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT (63700280)
- (16) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)
- (17) SEEDING, CLASS 2A (25000210)
NITROGEN FERTILIZER NUTRIENT (25000400)
PHOSPHORUS FERTILIZER NUTRIENT (25000500)
POTASSIUM FERTILIZER NUTRIENT (25000600)
TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (18) CONCRETE MEDIAN, TYPE SB-6.12 (60619600)
- (19) AGGREGATE SHOULDERS, TYPE B 10" (48101620)
- (20) HOT-MIX ASPHALT SHOULDERS, 11 3/4" (48203044)
- (21) CLASS C PATCHES, TYPE IV, 12 INCH (44201383)
- (22) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
- (23) SUBBASE GRANULAR MATERIAL, TYPE B 8" (31101600)
- (24) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (40603340)
- (25) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4" (40603085)
- (26) HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (35600715) OR HOT-MIX ASPHALT BASE COURSE, 9 3/4" (35501323)
- (27) HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4" (35600709) OR HOT-MIX ASPHALT BASE COURSE, 8 1/4" (35501317)
- (28) HOT-MIX ASPHALT SHOULDERS, 10 1/4" (48203038)
- (29) HOT-MIX ASPHALT BASE COURSE, 9" (35501320)
- (30) PIPE UNDERDRAINS, TYPE 2, 4" (60108204)
- (31) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (32) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)



EXISTING TYPICAL SECTION

STA. 247+71.1 TO STA. 252+89.9 (PR SB RANDALL ROAD)
 STA. 347+72.7 TO STA. 352+96.2 (PR NB RANDALL ROAD)

SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY



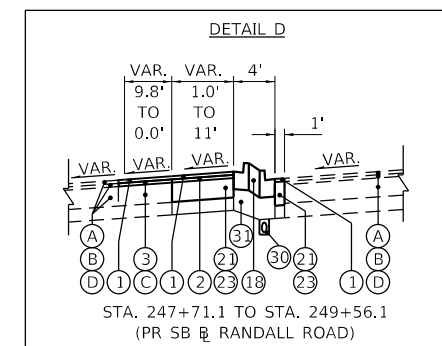
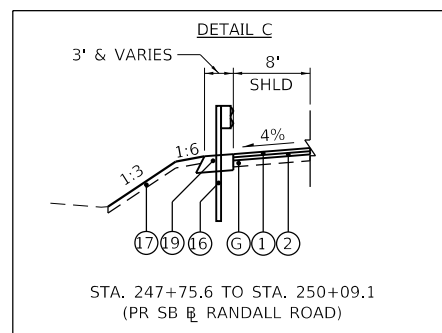
PROPOSED TYPICAL SECTION

STA. 247+71.1 TO STA. 252+89.9 (PR SB RANDALL ROAD)
 STA. 347+72.7 TO STA. 352+96.2 (PR NB RANDALL ROAD)

SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY

NOTES:

- SEE PLANS FOR MEDIAN LIMITS
- IN SUPERELEVATED SECTIONS THE GUTTER WILL BE BACKPITCHED.
- SEE CROSS SECTIONS FOR PAVEMENT CROSS SLOPES.
- AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH 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 OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
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- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

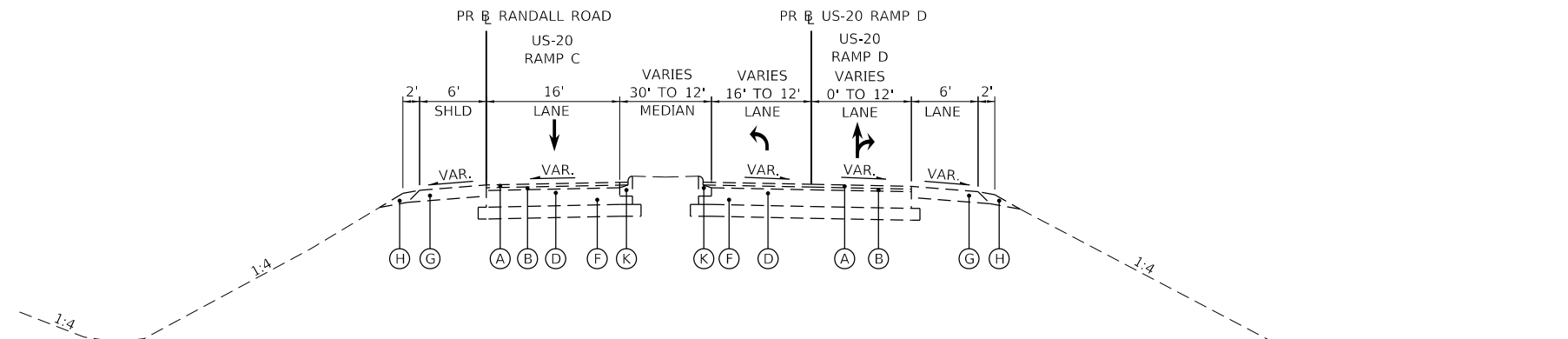


EXISTING LEGEND

- (A) HMA SURFACE COURSE, 1 1/2" TO 2"
- (B) HMA BINDER COURSE 2 1/4" TO 3 1/4"
- (C) PCC PAVEMENT 10" & VARIES
- (D) HMA BASE COURSE, 8" TO 12"
- (E) AGGREGATE SUBGRADE, 12"
- (F) SUB-BASE GRANULAR MATERIAL 8 1/2"
- (G) HMA SHOULDER 8"
- (H) AGGREGATE SHOULDER
- (I) CONCRETE MEDIAN, TYPE SM-2.12
- (J) CONCRETE MEDIAN, TYPE SB-6.12
- (K) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
- (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (N) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (O) STEEL PLATE BEAM GUARDRAIL

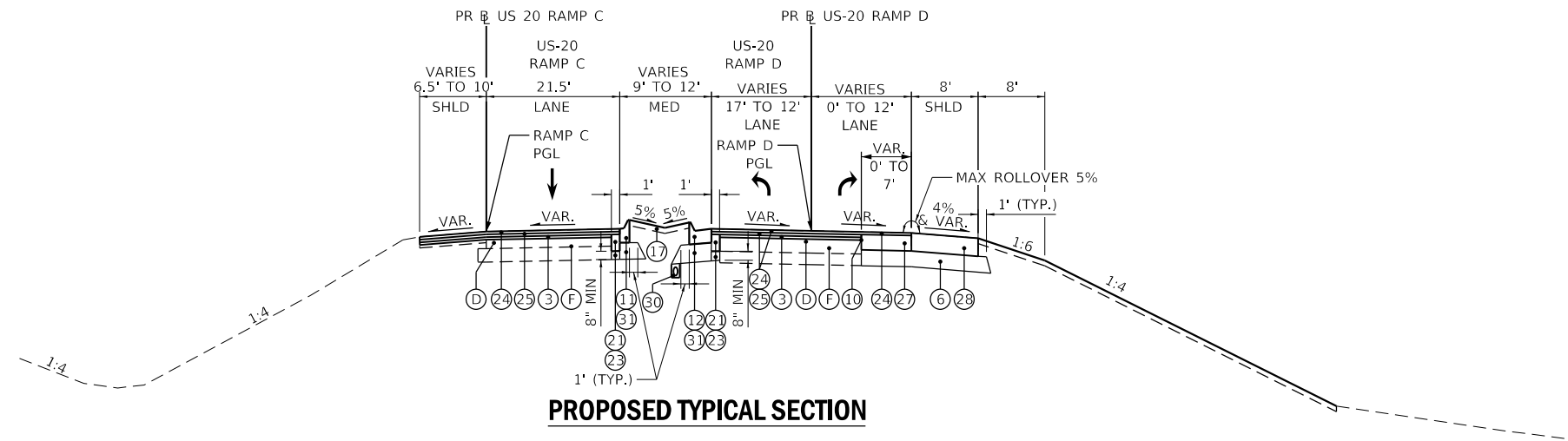
PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (40603565)
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" (40603240)
- (3) LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (40600635)
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4" (35600703) OR HOT-MIX ASPHALT BASE COURSE, 6 3/4" (35501311)
- (5) HOT-MIX ASPHALT SHOULDERS, 11" (48203041)
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (7) CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (10) STRIP REFLECTIVE CRACK CONTROL TREATMENT (44300200)
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (60608600)
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (60610400)
- (13) SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
- (14) RETAINING WALL
- (15) CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT (63700280)
- (16) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)
- (17) SEEDING, CLASS 2A (25000210)
NITROGEN FERTILIZER NUTRIENT (25000400)
PHOSPHORUS FERTILIZER NUTRIENT (25000500)
POTASSIUM FERTILIZER NUTRIENT (25000600)
TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (18) CONCRETE MEDIAN, TYPE SB-6.12 (60619600)
- (19) AGGREGATE SHOULDERS, TYPE B 10" (48101620)
- (20) HOT-MIX ASPHALT SHOULDERS, 11 3/4" (48203044)
- (21) CLASS C PATCHES, TYPE IV, 12 INCH (44201383)
- (22) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
- (23) SUBBASE GRANULAR MATERIAL, TYPE B 8" (31101600)
- (24) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (40603340)
- (25) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4" (40603085)
- (26) HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (35600715) OR HOT-MIX ASPHALT BASE COURSE, 9 3/4" (35501323)
- (27) HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4" (35600709) OR HOT-MIX ASPHALT BASE COURSE, 8 1/4" (35501317)
- (28) HOT-MIX ASPHALT SHOULDERS, 10 1/4" (48203038)
- (29) HOT-MIX ASPHALT BASE COURSE, 9" (35501320)
- (30) PIPE UNDERDRAINS, TYPE 2, 4" (60108204)
- (31) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (32) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)



EXISTING TYPICAL SECTION

STA. 500+37.9 TO STA. 502+00.5 (PR RAMP C)
 STA. 701+30.6 TO STA. 706+42.2 (PR RAMP D)
 LOOKING EAST
 SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY



PROPOSED TYPICAL SECTION

STA. 500+37.9 TO STA. 502+00.5 (PR RAMP C)
 STA. 701+30.6 TO STA. 706+42.2 (PR RAMP D)
 LOOKING EAST
 SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY

NOTES:

- 1) SEE PLANS FOR MEDIAN LIMITS
- 2) IN SUPERELEVATED SECTIONS THE GUTTER WILL BE BACKPITCHED.
- 3) SEE CROSS SECTIONS FOR PAVEMENT CROSS SLOPES.
- 4) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH 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 OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- 5) ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- 6) THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

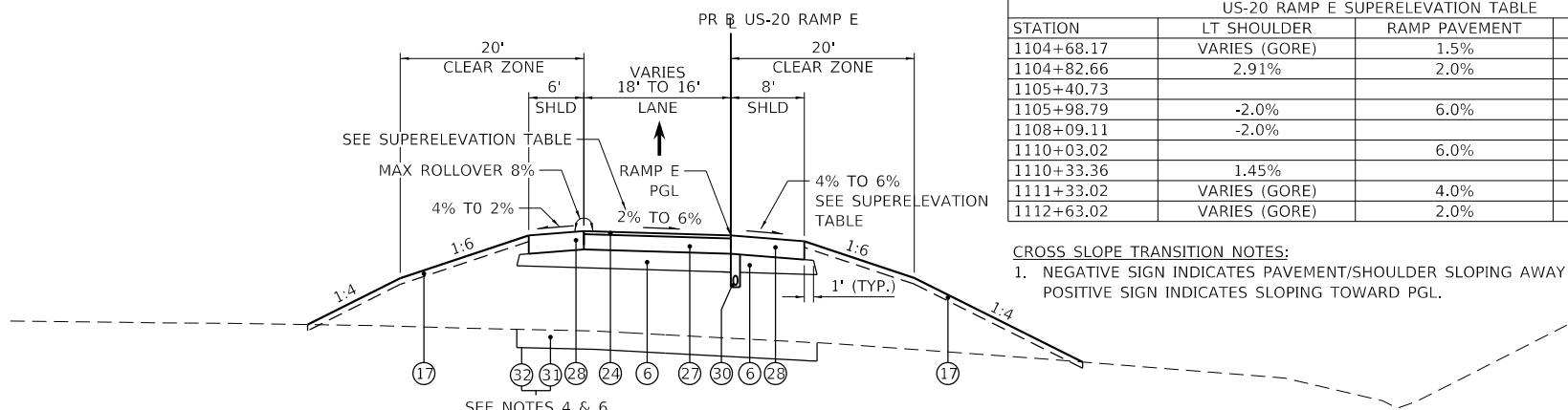
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 HDR 8550 W. BRYN MAWR AVE. CHICAGO, IL 60631	USER NAME = RR0GERS	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS US-20 RAMP C & D		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 20.0000' / in.	CHECKED - DWW	REVISED -		336/345	14-00446-00-CH	KANE	354	19	CONTRACT NO. 61F57		
	PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -		SCALE: NTS	SHEET 4 OF 7 SHEETS	STA. N/A TO STA. N/A	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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US-20 RAMP E SUPERELEVATION TABLE			
STATION	LT SHOULDER	RAMP PAVEMENT	RT SHOULDER
1104+68.17	VARIES (GORE)	1.5%	-4.0%
1104+82.66	2.91%	2.0%	
1105+40.73			-4.0%
1105+98.79	-2.0%	6.0%	-6.0%
1110+03.02		6.0%	-6.0%
1110+33.36	1.45%		
1111+33.02	VARIES (GORE)	4.0%	-4.0%
1112+63.02	VARIES (GORE)	2.0%	-4.0%

CROSS SLOPE TRANSITION NOTES:
 1. NEGATIVE SIGN INDICATES PAVEMENT/SHOULDER SLOPING AWAY FROM PGL;
 POSITIVE SIGN INDICATES SLOPING TOWARD PGL.

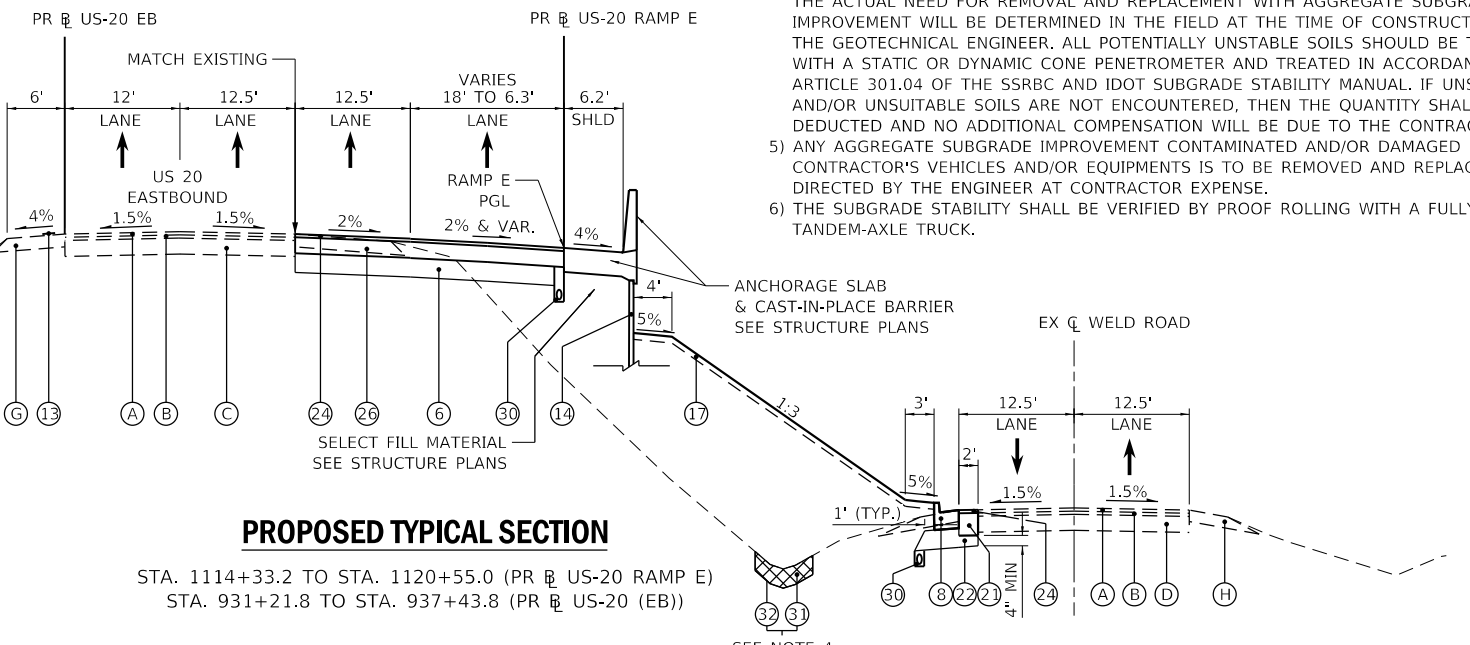


PROPOSED TYPICAL SECTION

STA. 1104+15.8 TO STA. 1110+33.4 (PR US-20 RAMP E)
 OMIT GORE AREA
 STA. 1110+33.4 TO STA. 1114+33.2 (PR US-20 RAMP E)

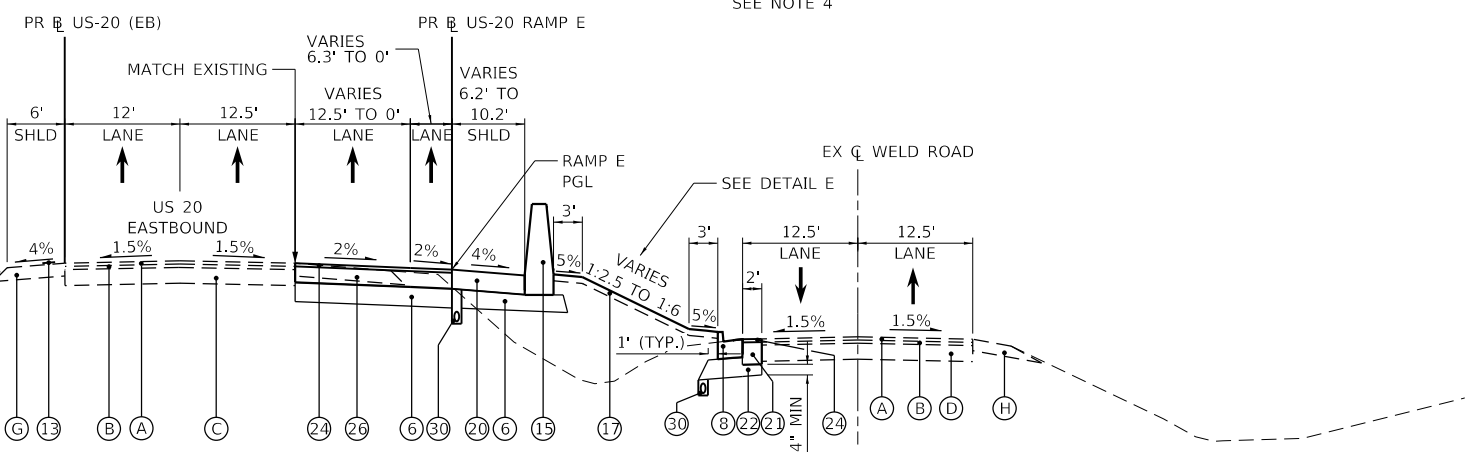
NOTES:

- 1) SEE PLANS FOR MEDIAN LIMITS
- 2) IN SUPERELEVATED SECTIONS THE GUTTER WILL BE BACKPITCHED.
- 3) SEE CROSS SECTIONS FOR PAVEMENT CROSS SLOPES.
- 4) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH 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 OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- 5) ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- 6) THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.



PROPOSED TYPICAL SECTION

STA. 1114+33.2 TO STA. 1120+55.0 (PR US-20 RAMP E)
 STA. 931+21.8 TO STA. 937+43.8 (PR US-20 (EB))



PROPOSED TYPICAL SECTION

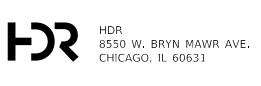
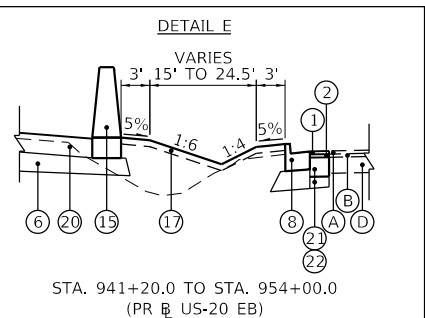
STA. 1120+55.0 TO STA. 1123+33.3 (PR US-20 RAMP E)
 STA. 937+43.8 TO STA. 955+47.0 (PR US-20 EB)

EXISTING LEGEND

- (A) HMA SURFACE COURSE, 1 1/2" TO 2"
- (B) HMA BINDER COURSE 2 1/4" TO 3 1/4"
- (C) PCC PAVEMENT 10" & VARIES
- (D) HMA BASE COURSE, 8" TO 12"
- (E) AGGREGATE SUBGRADE, 12"
- (F) SUB-BASE GRANULAR MATERIAL 8 1/2"
- (G) HMA SHOULDER 8"
- (H) AGGREGATE SHOULDER
- (I) CONCRETE MEDIAN, TYPE SM-2.12
- (J) CONCRETE MEDIAN, TYPE SB-6.12
- (K) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
- (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (N) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (O) STEEL PLATE BEAM GUARDRAIL

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (40603565)
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" (40603240)
- (3) LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (40600635)
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4" (35600703) OR HOT-MIX ASPHALT BASE COURSE, 6 3/4" (35501311)
- (5) HOT-MIX ASPHALT SHOULDERS, 11" (48203041)
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (7) CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (10) STRIP REFLECTIVE CRACK CONTROL TREATMENT (44300200)
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (60608600)
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (60610400)
- (13) SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
- (14) RETAINING WALL
- (15) CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT (63700280)
- (16) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)
- (17) SEEDING, CLASS 2A (25000210)
 NITROGEN FERTILIZER NUTRIENT (25000400)
 PHOSPHORUS FERTILIZER NUTRIENT (25000500)
 POTASSIUM FERTILIZER NUTRIENT (25000600)
 TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (18) CONCRETE MEDIAN, TYPE SB-6.12 (60619600)
- (19) AGGREGATE SHOULDERS, TYPE B 10" (48101620)
- (20) HOT-MIX ASPHALT SHOULDERS, 11 3/4" (48203044)
- (21) CLASS C PATCHES, TYPE IV, 12 INCH (44201383)
- (22) SUBBASE GRANULAR MATERIAL, TYPE B 8" (31101200)
- (23) SUBBASE GRANULAR MATERIAL, TYPE B 8" (31101600)
- (24) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (40603340)
- (25) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4" (40603085)
- (26) HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (35600715) OR HOT-MIX ASPHALT BASE COURSE, 9 3/4" (35501323)
- (27) HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4" (35600709) OR HOT-MIX ASPHALT BASE COURSE, 8 1/4" (35501317)
- (28) HOT-MIX ASPHALT SHOULDERS, 10 1/4" (48203038)
- (29) HOT-MIX ASPHALT BASE COURSE, 9" (35501320)
- (30) PIPE UNDERDRAINS, TYPE 2, 4" (60108204)
- (31) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (32) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)



USER NAME = RR0GERS	DESIGNED - AKS	REVISED -
DRAWN - AKS	CHECKED - DWW	REVISED -
PLOT SCALE = 20.0000' / in.	DATE - 01-03-19	REVISED -
PLOT DATE = 01/03/2019		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US-20 & US-20 RAMP E		336/345	14-00446-00-CH	KANE	354	20
SCALE: NTS		SHEET 5 OF 7 SHEETS		STA. N/A TO STA. N/A		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

CONTRACT NO. 61F57	
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HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ NDES
PAVEMENT WIDENING - RANDALL ROAD	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"	4% @ 90 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4" (FOR WIDENING WIDTH <= 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
HOT-MIX ASPHALT BASE COURSE, 6 3/4" (FOR WIDENING WIDTH > 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
PAVEMENT RESURFACING - RANDALL ROAD	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"	4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT SHOULDERS, 11" - RANDALL ROAD RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9"	4% @ 70 GYR.
HOT-MIX ASPHALT SHOULDER RESURFACING - RANDALL ROAD	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" & VARIES	4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (IL-9.5 mm)	4% @ 70 GYR.
PAVEMENT WIDENING - US-20 MAINLINE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (FOR WIDENING WIDTH <= 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
HOT-MIX ASPHALT BASE COURSE, 9 3/4" (FOR WIDENING WIDTH > 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
PAVEMENT WIDENING - US-20 RAMPS C & D	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4" (FOR WIDENING WIDTH <= 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
HOT-MIX ASPHALT BASE COURSE, 8 1/4" (FOR WIDENING WIDTH > 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
PAVEMENT RESURFACING - US-20 RAMPS C & D	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (IL-9.5 mm)	4% @ 70 GYR.
PAVEMENT NEW CONSTRUCTION - US-20 RAMP E	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE, 8 1/4" (FOR WIDENING WIDTH > 6 FT)	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N90	
HOT-MIX ASPHALT SHOULDERS, 11 3/4" - US-20 MAINLINE RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 9 3/4"	4% @ 90 GYR.
HOT-MIX ASPHALT SHOULDERS, 10 1/4" - US-20 RAMPS C, D & E RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 9 3/4"	4% @ 90 GYR.
HOT-MIX ASPHALT SHOULDER RESURFACING - US-20 RAMPS C & D	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4"	4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 3/4" TO 2 1/4" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT SHOULDER RUMBLE STRIP REMOVAL	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
PAVEMENT WIDENING / RECONSTRUCTION - WELD ROAD	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE, 9"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER, IL-19.0, N70	
PAVEMENT PATCHING	
CLASS D PATCHES	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12"	4% @ 70 GYR.

- NOTES FOR HMA MIXTURE REQUIREMENTS:
- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.
 - 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 DISTRICT ONE SPECIAL PROVISIONS.
 - FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
 - LONGITUDINAL JOINT SEALANT SHALL BE USED BETWEEN LANE-TO-LANE JOINTS OF FULL-DEPTH HMA PAVEMENTS AND HMA OVERLAYS.
 - FULL-DEPTH HMA PAVEMENTS: UNDER THE SURFACE LIFT AND UNDER THE TOP BINDER LIFT
 - NON-INTERSTATE HMA OVERLAYS >= 2.25 INCHES: UNDER THE SURFACE LIFT
 - ALL SINGLE LIFT HMA OVERLAYS : UNDER THE SURFACE LIFT



HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

USER NAME = RR0GERS	DESIGNED - AKS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
HMA MIXTURE REQUIREMENTS

SCALE: NTS SHEET 7 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	22
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EARTHWORK TABLE											
LOCATION	EARTH EXCAVATION	*OTHER AVAILABLE EXCAVATION	**SUITABLE EXCAVATION	EMBANKMENT	***EARTHWORK BALANCE	FURNISHED EXCAVATION	TOPSOIL REMOVAL	TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL EXCAVATION	NON-SPECIAL WASTE DISPOSAL	****REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
	20200100	---	---	---	---	20400800	---	21101505	X2111000	66900200	20201200
STAGE 1											
RANDALL ROAD NB	380.0	-	266.7	279.5	-12.8		655.0	406.1	248.9	37.3	19.0
RANDALL ROAD SB	250.4	-	200.3	92.4	107.9		1249.6	871.1	378.5	-	12.5
US-20 RAMP C	2.0	-	1.6	3.1	-1.5		25.1	33.9	-8.8	-	0.1
US-20 RAMP D	145.1	-	116.1	439.8	-323.7		717.7	439.8	277.9	-	7.3
US-20 RAMP E	1635.8	575.0	1768.6	13616.7	-11848.1		3224.9	1521.8	1703.1	-	651.0
US-20	2159.9	-	1727.9	4302.7	-2574.8		1846.3	527.1	1319.3	1000.0	289.8
WELD ROAD	5635.7	-	4508.6	1990.3	2518.3		2616.2	1765.4	850.8	-	281.8
STAGE TOTAL	10209.0	575.0	8590.0	20725.0	-12134.0	12134.0	10335.0	5566.0	4770.0	1038.0	1262.0
STAGE 2											
RANDALL ROAD NB	34.9	-	27.9	0.0	27.9		0.0	0.0	0.0	-	1.7
RANDALL ROAD SB	427.8	-	342.2	0.0	342.2		0.0	0.0	0.0	-	21.4
US-20 RAMP C	52.3	-	41.8	65.2	-23.4		15.7	5.1	10.6	-	2.6
US-20 RAMP D	137.9	-	110.3	31.4	78.9		69.7	23.7	46.1	-	6.9
STAGE TOTAL	653.0	0.0	523.0	97.0	426.0	0.0	86.0	29.0	57.0	0.0	33.0
PROJECT TOTAL	10862.0	575.0	9113.0	20822.0	-11708.0	12134.0	10421.0	5595.0	4827.0	1038.0	1295.0

* EXCAVATED MATERIAL GENERATED FROM OTHER CONTRACT WORK ITEMS, THAT IS USABLE FOR EMBANKMENT

** THE SUITABLE EXCAVATION VALUES TO BE USED FOR EMBANKMENT NEEDS INCLUDE EARTH EXCAVATION AND OTHER AVAILABLE EXCAVATION MINUS THE TOPSOIL EXCAVATION AND NON-SPECIAL WASTE DISPOSAL; REDUCED BY A SHRINKAGE FACTOR OF 15% AND ASSUMED INELIGIBLE FILL OF 5%.

*** EARTHWORK BALANCE [+] OR SHORTAGE [-]

**** REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL IS EQUAL TO THE ESTIMATED INELIGIBLE FILL IN ADDITION TO AN ESTIMATED QUANTITY PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THESE AREAS SHALL BE BACKFILLED WITH AGGREGATE SUBGRADE IMPROVEMENT. THE ACTUAL NEED FOR THE REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE INSTALLED AS DIRECTED BY ENGINEER.

30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
331+63.0	336+20.0	RT	457.0	9.8	4486.57	1/9	498.5
340+40.5	341+90.4	LT / RT	149.9	9.9	1481.65	1/9	164.6
244+13.1	244+97.5	LT / RT	84.4	4.5	376.87	1/9	41.9
248+59.3	252+89.9	LT	430.6	11.5	4946.95	1/9	549.7
701+30.6	704+88.1	RT	357.5	12.6	4501.42	1/9	500.2
1100+00.0	1122+83.3	LT / RT	2,283.3	22.3	50895.73	1/9	5,655.1
825+23.7	955+47.0	RT	13,023.3	4.7	61252.90	1/9	6,805.9
46+30.1	73+16.3	LT / RT	2,686.2	9.0	24137.24	1/9	2,681.9
TOTAL							16,898

30300001 AGGREGATE SUBGRADE IMPROVEMENT	
LOCATION	CU YD
SEE EARTHWORK SCHEDULE	1,295.0
RANDALL RD MEDIAN	559.0
RAMP C ISLAND	120.3
RAMP D ISLAND	21.6
TOTAL	1,996

31101600 SUBBASE GRANULAR MATERIAL, TYPE B 8"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
331+63.0	333+65.0	RT	202.0	2.0	404.04	1/9	44.9
335+99.2	336+21.3	LT / RT	22.1	5.2	114.79	1/9	12.8
336+09.0	341+02.8	LT / RT	493.8	11.2	5507.43	1/9	611.9
341+79.9	343+62.1	LT / RT	182.2	4.8	872.77	1/9	97.0
347+72.7	352+96.2	RT	523.5	9.3	4843.49	1/9	538.2
252+90.9	252+94.9	LT	4.0	32.0	128.15	1/9	14.2
701+30.6	706+43.2	LT	512.6	2.6	1352.34	1/9	150.3
706+05.5	706+42.9	RT	37.4	12.8	480.16	1/9	53.4
TOTAL							1,523

31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
48+11.9	73+16.3	LT	2,504.4	2.0	5010.67	1/9	556.7
54+23.5	54+26.3	LT / RT	2.8	29.9	84.94	1/9	9.4
67+04.2	67+08.8	LT / RT	4.5	29.3	133.03	1/9	14.8
TOTAL							581

35501311 HOT-MIX ASPHALT BASE COURSE, 6 3/4"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
335+27.1	336+20.0	RT	92.9	9.0	832.58	1/9	92.5
1100+00.0	1104+19.8	LT	419.8	12.5	5241.35	1/9	582.4
CONTINGENCY (3%)							20.2
TOTAL							696

35501317 HOT-MIX ASPHALT BASE COURSE, 8 1/4"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
1104+19.8	1113+33.2	LT	913.4	17.4	15892.68	1/9	1,765.9
CONTINGENCY (3%)							53.0
TOTAL							1,819

35501320 HOT-MIX ASPHALT BASE COURSE, 9"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
46+33.2	48+11.9	LT	178.7	77.0	13761.05	1/9	1,529.0
CONTINGENCY (3%)							45.9
TOTAL							1,575

35501323 HOT-MIX ASPHALT BASE COURSE, 9 3/4"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
925+23.7	952+97.0	RT	2,773.3	15.7	43585.57	1/9	4,842.8
CONTINGENCY (3%)							145.3
TOTAL							4,989

35600703 HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
334+42.3	335+27.1	RT	84.8	4.2	358.88	1/9	39.9
248+59.3	252+89.9	LT	430.6	2.9	1243.21	1/9	138.1
CONTINGENCY (3%)							5.3
TOTAL							184

35600709 HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
701+30.6	704+88.1	RT	357.5	3.4	1215.54	1/9	135.1
CONTINGENCY (3%)							4.1
TOTAL							140

MODEL: Default
FILE: \\hpc\p\proj\hpc\resc001\HDB_US_Central_01\Documents\Kane_County_Ill\hpc\KANE_Randall_Viad_P1_116.0_CAD\BIM6.3_Work_In_Progress\CADD_Sheets\Schedule of Quantities



USER NAME = RR0GERS
DESIGNED - AKS
DRAWN - AKS
PLOT SCALE = 2,0000 ' / in.
CHECKED - DWW
PLOT DATE = 01/03/2019
DATE - 01-03-19

REVISD -
REVISD -
REVISD -
REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 1 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	23
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
952+97.0	955+47.0	RT	250.0	3.5	875	1/9	97.2
CONTINGENCY (3%)							2.9
TOTAL							101

STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
247+71.1	247+75.6	LT	4.5	10.3	46.37	1/9	5.2
TOTAL							6

STA	STA	LENGTH	AVE. WIDTH	AREA (SF)	AREA (SY)	THICK. (IN.)	RATE	TON
233+65.0	240+63.5	698.5	9.0	6,295.9	699.5	2.0	112	78.3
241+91.8	244+02.7	210.9	10.0	2,100.0	233.3	2.0	112	26.1
247+81.2	248+59.3	78.1	7.6	594.4	66.0	2.0	112	7.4
341+90.4	344+61.8	271.4	8.0	2,174.7	241.6	2.0	112	27.1
500+33.9	502+00.5	166.6	30.3	5,040.5	560.1	2.0	112	62.7
701+30.6	706+41.9	511.3	27.9	14,273.1	1,585.9	2.0	112	177.6
1104+19.8	1122+83.3	1,863.5	13.7	25,568.3	2,840.9	2.0	112	318.2
925+23.7	955+47.0	3,023.3	11.5	34,784.9	3,865.0	2.0	112	432.9
46+33.2	73+16.3	2,683.1	7.0	18,771.7	2,085.7	2.0	112	233.6
54+23.5	54+26.3	2.8	29.9	84.9	9.4	2.0	112	1.1
67+04.2	67+08.8	4.5	29.3	133.0	14.8	2.0	112	1.7
CONTINGENCY (3%)							41.0	
TOTAL							1,408	

RATE = LBS / SY / IN

LENGTH (FT)	WIDTH (FT)	AREA (SF)	UNIT CONV.	SQ YD
593.0	2.00	1186.00	1/9	131.8
4,517.0	3.00	13551.00	1/9	1,505.7
193.0	1.38	265.38	1/9	29.5
484.0	2.88	1391.50	1/9	154.6
N/A	N/A	4819.00	1/9	535.4
N/A	N/A	2752.00	1/9	305.8
1,672.0	9.04	15114.88	1/9	1,679.4
10.0	9.04	90.40	1/9	10.0
TOTAL				4,353

STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
47+21.7	47+98.9	RT	77.2	19.0	1467.89	1/9	163.1
TOTAL							164

WEIGHT OF SURFACE COURSE (TONS)	FACTOR	TON
1,408.0	2%	28.0
1,075.0	2%	22.0
CONTINGENCY (3%)		2.0
TOTAL		52

TON	
40.0	
TOTAL	40

STA	STA	LENGTH	AVE. WIDTH	AREA (SF)	AREA (SY)	THICK. (IN.)	RATE	TON
500+33.9	502+00.5	166.6	30.3	5,040.5	560.1	2.25	112	70.6
701+30.6	706+41.9	511.3	25.5	13,057.6	1,450.8	2.25	112	182.8
CONTINGENCY (3%)							7.6	
TOTAL							261	

RATE = LBS / SY / IN

STA	STA	LENGTH	AVE. WIDTH	AREA (SF)	AREA (SY)	THICK. (IN.)	RATE	TON
331+63.0	333+65.0	202.0	2.0	404.0	44.9	2.0	112	5.0
333+65.0	334+04.1	39.1	1,708.1	66,788.6	7,421.0	2.0	112	831.1
247+71.1	252+89.9	518.8	30.9	16,051.2	1,783.5	2.0	112	199.7
347+72.6	352+96.2	523.6	1.2	606.4	67.4	2.0	112	7.5
CONTINGENCY (3%)							31.3	
TOTAL							1,075	

RATE = LBS / SY / IN

STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
233+69.5	243+98.2	LT / RT	1,028.7	80.1	82355.48	1/9	9,150.6
247+81.8	248+59.3	LT	77.5	7.7	595.7	1/9	66.2
248+63.6	252+85.4	LT	421.8	25.3	10658.039	1/9	1,184.2
TOTAL							10,402

STA	O/S (R+, L-)	STA	O/S (R+, L-)	FOOT
236+14.0	LT / RT	240+81.3	LT / RT	953.7
241+79.6	LT / RT	243+60.7	LT / RT	364.1
247+71.1	LT / RT	252+89.9	LT / RT	1,038.3
500+39.5	RT	500+70.4	RT	99.3
701+30.6	LT	706+29.9	LT	636.5
706+06.3	RT	706+37.0	RT	102.8
40+40.8	LT / RT	41+32.1	LT / RT	196.8
47+29.3	RT	47+48.9	RT	51.9
TOTAL				3,444

STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
333+65.0	333+69.5	LT / RT	4.5	81.9	368.77	1/9	41.0
343+79.2	343+83.7	RT	4.5	23.8	107.15	1/9	11.9
243+98.2	244+02.7	LT	4.5	46.0	206.98	1/9	23.0
248+59.3	248+63.8	LT	4.5	21.4	96.17	1/9	10.7
252+85.4	252+89.9	LT	4.5	32.0	144.09	1/9	16.0
501+96.0	502+00.5	LT / RT	4.5	27.0	121.5	1/9	13.5
701+30.6	701+35.1	LT	4.5	15.2	68.41	1/9	7.6
TOTAL							124

STA	STA	LENGTH	AVE. WIDTH	AREA (SF)	AREA (SY)	THICK. (IN.)	RATE	TON
333+65.0	344+61.8	1,096.8	70.5	77,359.2	8,595.5	2.25	112	1,083.0
247+71.1	252+89.9	518.8	30.2	15,677.9	1,742.0	2.25	112	219.5
CONTINGENCY (3%)							39.1	
TOTAL							1,342	

RATE = LBS / SY / IN

STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
333+69.6	340+78.2	RT	708.6	2.6	1822.82	1/9	202.5
236+08.8	241+01.8	LT / RT	493.0	9.0	4443.65	1/9	493.7
241+78.8	243+60.8	LT / RT	182.0	2.8	512.21	1/9	56.9
242+00.4	244+03.1	LT	202.8	3.0	618.17	1/9	68.7
336+00.0	336+20.6	RT	20.6	3.9	81.28	1/9	9.0
347+72.7	352+96.1	LT	523.4	1.1	556.9	1/9	61.9
248+59.3	252+89.9	LT	430.6	2.5	1083.86	1/9	120.4
249+30.3	252+89.9	LT	359.6	1.0	357.78	1/9	39.8
252+82.3	252+85.4	LT	3.0	42.6	128.12	1/9	14.2
701+30.6	706+43.2	LT / RT	512.6	3.8	1948.38	1/9	216.5
701+30.6	701+71.9	LT / RT	41.3	0.5	19.72	1/9	2.2
704+65.9	704+88.1	RT	22.2	1.2	27.2	1/9	3.0
706+05.5	706+42.9	RT	37.4	14.8	551.89	1/9	61.3
706+08.2	706+39.2	RT	31.0	2.8	87.12	1/9	9.7
40+30.3	73+16.3	LT / RT	3,286.0	8.8	29065.7221	1/9	3,229.5
54+23.8	54+26.6	RT	2.8	21.3	60.1652	1/9	6.7
67+04.1	67+08.6	RT	4.5	22.2	100.6975	1/9	11.2
925+23.7	931+01.6	RT	577.9	6.9	3964.04	1/9	440.4
TOTAL							5,048

STA	STA	LT / RT	LENGTH	AVE WIDTH	SQ FT
236+14.2	240+58.1	LT / RT	443.9	3.6	1,614.6
241+81.4	243+60.7	LT / RT	179.3	1.9	335.4
247+71.3	252+89.9	LT / RT	518.6	8.4	4,365.5
500+42.4	500+66.7	RT	24.3	11.3	275.8
706+12.1	706+34.8	LT	22.7	13.8	313.1
40+40.9	41+32.1	LT / RT	91.2	3.3	303.4
TOTAL					7,208

MODEL: Default
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USER NAME = RRROGERS	DESIGNED - AKS	REVISED -
PLOT SCALE = 2,000 ' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A	SHEET 2 OF 5 SHEETS	STA. N/A	TO STA. N/A	F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 24	CONTRACT NO. 61F57
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

44004250 PAVED SHOULDER REMOVAL							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
331+63.0	340+78.0	RT	915.0	7.7	7064.52	1/9	784.9
237+05.7	240+88.8	LT	383.2	5.6	2148.59	1/9	238.7
241+61.3	245+03.3	LT	342.0	7.1	2415.68	1/9	268.4
247+81.3	252+89.9	LT	508.6	7.9	4007.4	1/9	445.3
701+30.6	704+88.1	RT	357.5	6.2	2200.03	1/9	244.4
925+23.7	955+47.0	RT	3,023.3	9.7	29328.66	1/9	3,258.7
TOTAL							5,241

44201383 CLASS C PATCHES, TYPE IV, 12 INCH							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
331+63.0	333+65.0	RT	202.0	2.0	404.04	1/9	44.9
336+00.0	336+20.6	RT	20.6	5.6	114.78	1/9	12.8
336+09.0	341+02.8	LT / RT	493.8	6.1	3017.47	1/9	335.3
341+79.9	343+62.1	LT / RT	182.2	2.8	506.90	1/9	56.3
347+72.7	352+96.2	RT	523.5	6.6	3460.41	1/9	384.5
252+90.9	252+94.9	LT	4.0	32.0	128.15	1/9	14.2
701+30.6	706+43.2	LT	512.6	2.6	1352.34	1/9	150.3
706+05.5	706+42.9	RT	37.4	12.8	480.16	1/9	53.4
48+11.9	73+16.3	LT	2,504.4	2.0	5010.67	1/9	556.7
54+23.5	54+26.3	LT / RT	2.8	29.9	84.94	1/9	9.4
67+04.2	67+08.8	LT / RT	4.5	29.3	133.03	1/9	14.8
TOTAL							1,633

44300200 STRIP REFLECTIVE CRACK CONTROL TREATMENT	
LOCATION	FOOT
RANDALL RD	2,781.5
RAMP C	244.6
RAMP D	1,004.6
TOTAL	4,031

48101620 AGGREGATE SHOULDERS, TYPE B 10"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
342+00.0	344+66.7	RT	266.7	5.1	1358.97	1/9	151.0
247+75.6	250+33.2	LT	257.6	4.9	1252.01	1/9	139.1
1109+70.5	1110+91.3	RT	120.8	6.2	753.05	1/9	83.7
TOTAL							374

48203038 HOT-MIX ASPHALT SHOULDERS, 10 1/4"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
1103+39.8	1111+16.3	RT	776.5	7.5	5790.96	1/9	643.4
1104+80.2	1110+33.4	LT	553.2	6.3	3493.98	1/9	388.2
701+30.6	704+88.1	RT	357.5	8.1	2906.5	1/9	322.9
CONTINGENCY (3%)							40.6
TOTAL							1,396

48203041 HOT-MIX ASPHALT SHOULDERS, 11"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
333+65.0	336+06.9	RT	241.8	6.8	1652.06	1/9	183.6
340+40.5	341+90.4	RT	149.9	9.3	1393.77	1/9	154.9
244+13.1	244+97.5	LT	84.4	3.6	299.52	1/9	33.3
248+59.3	252+89.9	LT	430.6	7.7	3294.13	1/9	366.0
CONTINGENCY (3%)							22.1
TOTAL							760

48203044 HOT-MIX ASPHALT SHOULDERS, 11 3/4"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
925+23.7	930+21.8	RT	498.1	8.7	4352.23	1/9	483.6
937+43.8	955+47.0	RT	1,803.2	9.6	17358.8	1/9	1,928.8
CONTINGENCY (3%)							72.4
TOTAL							2,485

56400300 FIRE HYDRANTS TO BE ADJUSTED				
STA	OFFSET	LT / RT	EACH	
46+98.8	54.9	RT	1	
TOTAL				1

60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12				
STA	O/S (R+, L-)	STA	O/S (R+, L-)	FOOT
249+56.1	1.0	252+51.1	1.0	295.3
349+58.6	-1.0	352+56.9	-10.4	297.2
TOTAL				593

60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24				
STA	O/S (R+, L-)	STA	O/S (R+, L-)	FOOT
331+63.0	33.0	336+20.0	36.0	458.6
336+18.0	0.0	339+95.3	0.0	377.1
236+17.6	0.0	239+94.2	0.0	376.7
705+62.7	-12.0	706+29.9	-12.0	67.4
1100+00.0	0.0	1103+39.8	0.0	339.9
46+31.2	0.0	73+16.3	-12.7	2,896.8
TOTAL				4,517

60608600 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06				
STA	O/S (R+, L-)	STA	O/S (R+, L-)	FOOT
500+45.7	8.2	502+00.5	-22.0	162.8
706+11.8	10.3	706+36.3	28.1	30.2
TOTAL				193

60610400 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24				
STA	O/S (R+, L-)	STA	O/S (R+, L-)	FOOT
500+36.5	-21.6	500+37.7	-10.2	31.8
701+30.6	-19.0	705+62.7	-14.0	409.9
706+12.9	6.7	706+36.6	5.2	23.8
706+39.4	26.5	706+39.8	8.3	18.2
TOTAL				484

60618300 CONCRETE MEDIAN SURFACE, 4 INCH					
STA	STA	LT / RT	LENGTH	AVE WIDTH	SQ FT
236+17.6	239+94.2	RT	376.6	4.9	1,844.9
249+56.1	252+51.1	RT	295.0	4.5	1,341.5
500+37.3	501+13.9	LT / RT	76.6	17.4	1,330.7
706+15.2	706+39.2	RT	23.9	12.6	301.8
TOTAL					4,819

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS				
STA	O/S (R+, L-)	STA	O/S (R+, L-)	FOOT
342+92.3	33.0	344+29.8	33.0	137.5
248+14.6	-45.0	249+46.8	-45.0	125.0
TOTAL				263

63100085 TRAFFIC BARRIER TERMINAL, TYPE 6			
STA	OFFSET	LT / RT	EACH
344+29.8	33.0	RT	1
248+14.6	45.0	LT	1
1110+54.0	6.8	RT	1
TOTAL			3

63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED			
STA	OFFSET	LT / RT	EACH
342+92.3	33.0	RT	1
249+46.8	45.0	LT	1
1110+54.0	6.8	RT	1
TOTAL			3

63200310 GUARDRAIL REMOVAL					
STA	O/S (R+, L-)	STA	O/S (R+, L-)	FOOT	
342+22.9	33.9	344+66.5	32.5	243.9	
242+22.4	-65.0	245+02.6	-44.7	280.3	
247+73.9	-44.4	250+98.3	-41.5	308.1	
925+72.3	45.3	939+24.3	34.8	1,352.0	
TOTAL					2,185

63500105 DELINEATORS						
STA	STA	LT / RT	LENGTH (FT)	SPACING (FT)	EACH	
1103+39.4	1109+70.5	RT	614.53	100	7	
1104+80.2	1110+33.4	LT	589.35	100	6	
954+00.0	955+47.0	RT	147.03	100	2	
TOTAL						15

63700280 CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT			
STA	STA	LT / RT	FOOT
1110+91.3	1111+11.3	RT	20.0
937+48.9	955+47.0	RT	1,798.1
TOTAL			1,819

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USER NAME = RR0GERS
 DESIGNED - AKS
 DRAWN - AKS
 PLOT SCALE = 2,000' / in.
 CHECKED - DWW
 PLOT DATE = 01/03/2019
 DATE - 01-03-19

REVISIONS
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 3 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	25
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE														
LOCATION	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	MODIFIED URETHANE PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 6"	MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	RECESSED REFLECTIVE PAVEMENT MARKER
	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)
	78000100	78000200	78000400	78000500	78000600	78000650	78009000	78009004	78009006	78009008	78009012	78009024	78100100	X7810300
RANDALL ROAD	-	-	-	-	-	-	219	10,016	1,375	1,012	321	48	-	66
US-20 / US-20 RAMPS / WELD ROAD	162	13,017	457	6,228	241	34	-	-	-	-	-	-	206	-
PROJECT TOTAL	162.0	13,017.0	457.0	6,228.0	241.0	34.0	219.0	10,016.0	1,375.0	1,012.0	321.0	48.0	206.0	66.0

78200005 GUARDRAIL REFLECTORS, TYPE A						
STA	STA	LT / RT	LENGTH (FT)	SPACING (FT)	DESCRIPTION	EACH
342+92.3	344+66.7	RT	174.40	80	MONODIRECTIONAL CRYSTAL	3
247+75.6	249+46.8	LT	171.27	80	MONODIRECTIONAL CRYSTAL	3
1110+54.0	1110+91.3	RT	37.29	80	MONODIRECTIONAL CRYSTAL	1
TOTAL						7

78200011 BARRIER WALL REFLECTORS, TYPE C							
STA	STA	LT / RT	LEGNTH (FT)	SPACING (FT)	# OF REF.	DESCRIPTION	EACH
927+80.0	955+47.0	RT	2767.0	100	2	MONODIRECTIONAL CRYSTAL	56
TOTAL							56

78200020 CURB REFLECTORS							
STA	STA	LT / RT	LENGTH (FT)	SPACING (FT)	DESCRIPTION	EACH	
236+17.6	239+94.2	RT	762.7	40	AMBER	20	
249+56.1	252+51.1	RT	598.24	40	AMBER	15	
500+37.3	501+13.9	LT / RT	193.43	10	CRYSTAL	20	
706+15.2	706+39.2	RT	69.73	10	CRYSTAL	7	
TOTAL						62	

X0325592 REMOVE AND REPLACE STONE RIPRAP								
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	DEPTH (FT)	UNIT CONV	CU YD
342+17.2	342+29.9	36.7	12.7	39.4	500.94	2	1/27	37.1
TOTAL								38

X0325201 SHOULDER RUMBLE STRIP REMOVAL								
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD	
917+09.0	927+99.1	LT	1,090.8	1.3	1454.33	1/9	161.6	
928+73.3	957+32.0	LT	2,858.7	1.3	3811.64	1/9	423.5	
TOTAL							586	

X0327980 PAVEMENT MARKING REMOVAL - WATER BLASTING					
LOCATION	DESCRIPTION	LENGTH (FT)	WIDTH (FT)	FACTOR	SQ FT
RANDALL RD	SOLID	3729.00	0.33	1	1,243.0
RANDALL RD	SOLID	176.50	0.5	1	88.3
RANDALL RD	SKIP-DASH	1861.23	0.5	0.25	232.7
RANDALL RD	DOTTED	913.52	0.5	0.25	114.2
RANDALL RD	ARROW + ONLY	N/A	N/A	N/A	109.2
US-20 / WELD	SOLID	11067.05	0.33	1	3,689.0
US-20 / WELD	SOLID	1900.38	0.67	1	1,266.9
US-20 / WELD	SKIP-DASH	5597.81	0.5	0.25	699.7
TOTAL					7,443

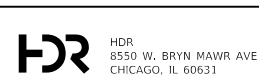
X7015005 CHANGEABLE MESSAGE SIGN				
LOCATION	# SIGNS	# MONTHS	DAYS/MONTH	CAL DA
RANDALL RD	2	14	30	840
WELD RD	1	7	30	210
US-20	1	7	30	210
TOTAL				1,260

Z0022800 FENCE REMOVAL				
STA	O/S (R+, L-)	STA	O/S (R+, L-)	FOOT
49+95.8	LT	73+16.3	LT	2,322.2
TOTAL				2,323

Z0030850 TEMPORARY INFORMATION SIGNING				
LOCATION	QTY (EACH)	AREA (SF)	D1 STD.	SQ FT
RANDALL RD	2	25.7	TC-22	51.4
WELD RD	1	6.25	TC-26	6.3
RANDALL RD	1	6	TC-22	6.0
TOTAL				64

Z0038121 PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2"							
STA	STA	LT / RT	LENGTH	AVE WIDTH	AREA (SF)	UNIT CONV.	SQ YD
247+75.6	249+30.3	LT	154.7	6.0	924.76	1/9	102.8
TOTAL							103

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USER NAME = RROGERS
 DESIGNED - AKS
 DRAWN - AKS
 PLOT SCALE = 2,000 ' / in.
 CHECKED - DWW
 PLOT DATE = 01/03/2019
 DATE - 01-03-19

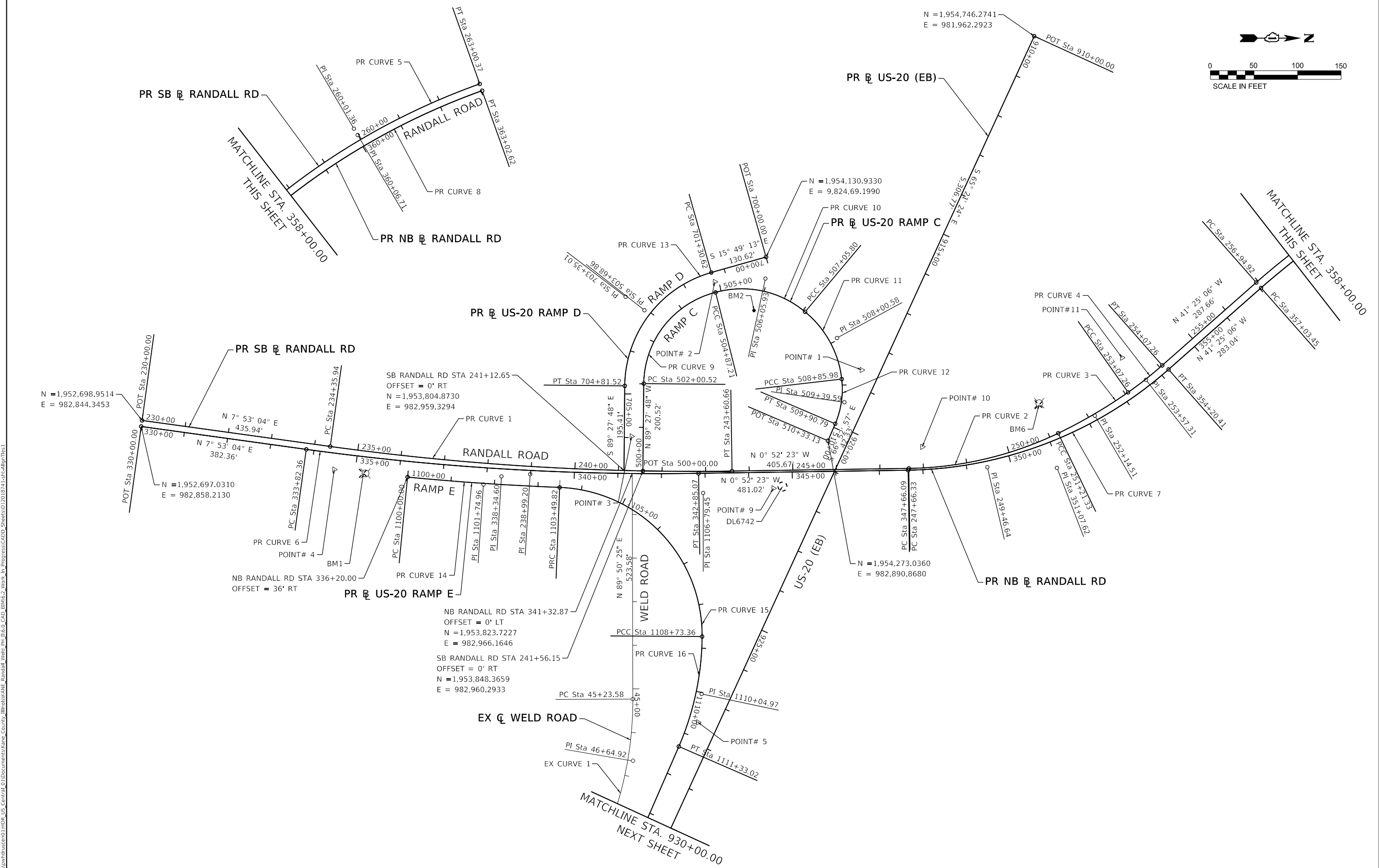
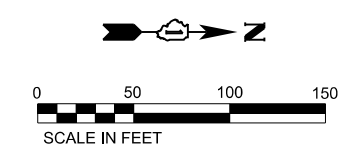
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 5 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	27
				CONTRACT NO. 61F57
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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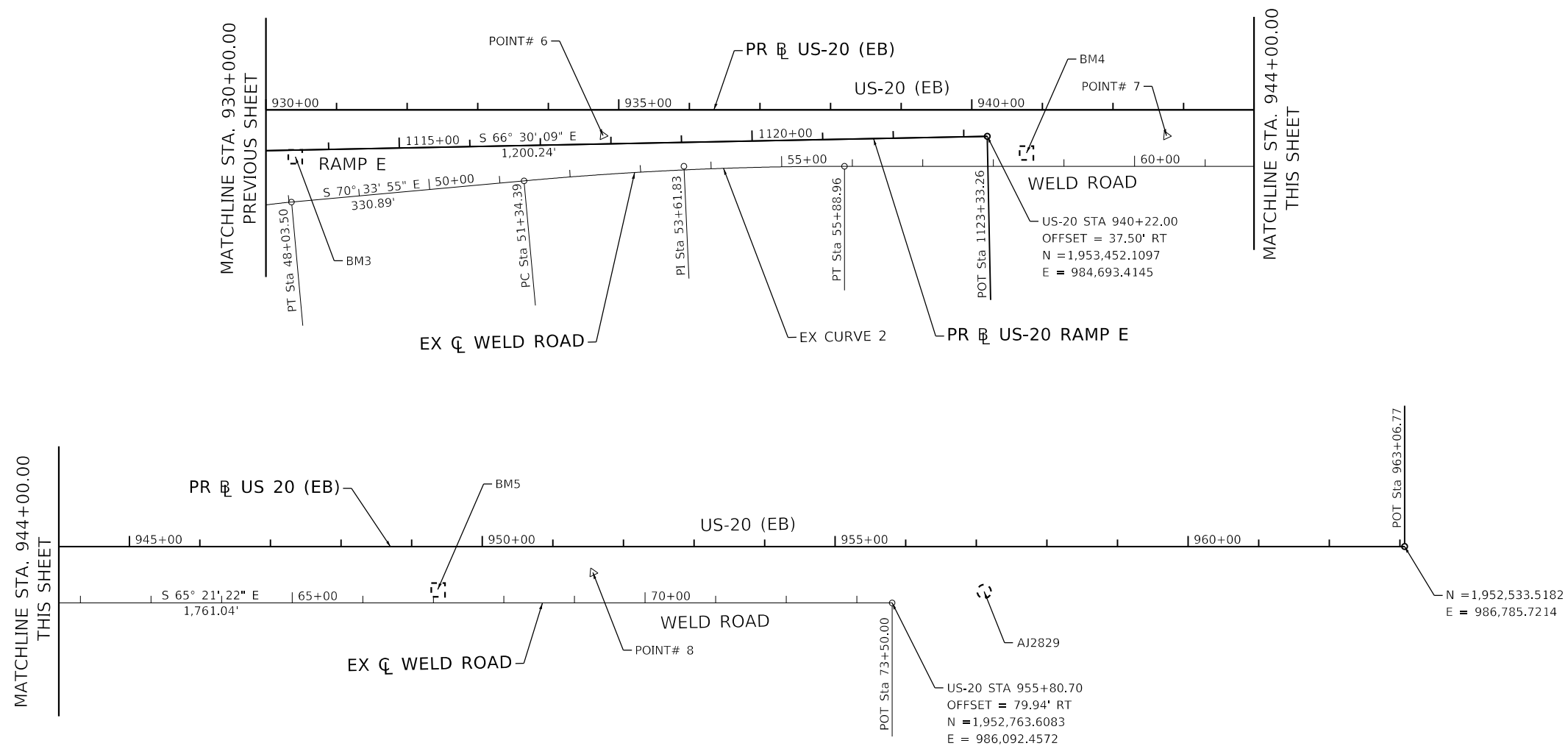
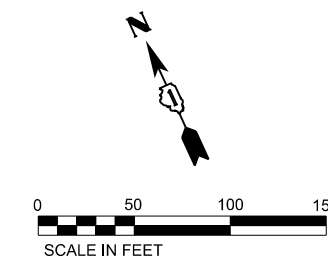


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	DRAWN - IS	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS	
SCALE: 1"=100'	SHEET 1 OF 4 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	28
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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USER NAME = lin44	DESIGNED - IS	REVISED -
DRAWN - IS	CHECKED - ST	REVISIED -
PLOT SCALE = 200.0000' / in.	DATE - 01-03-19	REVISIED -
PLOT DATE = 01/03/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES & BENCHMARKS			
SCALE: 1"=100'	SHEET 2 OF 4 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	29
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EX CURVE 1

EXIST. CURVE WELD-E-C-001_1
PI STA. = 46+64.92
Delta = 19° 35' 40" (RT)
D = 7° 00' 00"
R = 818.50'
T = 141.34'
L = 279.92'
E = 12.11'
e = MATCH EX.
T.R. = MATCH EX.
S.E. RUN = MATCH EX.
P.C. STA. = 45+23.58
P.T. STA. = 48+03.50

EX CURVE 2

EXIST. CURVE WELD-E-C-001_2
PI STA. = 53+61.83
Delta = 5° 12' 32" (RT)
D = 1° 08' 45"
R = 5,000.00'
T = 227.44'
L = 454.57'
E = 5.17'
e = EXISTING
T.R. = EXISTING
S.E. RUN = EXISTING
P.C. STA. = 51+34.39
P.T. STA. = 55+88.96

PR CURVE 1

PROP. CURVE RAND-P-B-SB1_1
PI STA. = 238+99.20
Delta = 8° 45' 27" (LT)
D = 0° 56' 49"
R = 6,050.00'
T = 463.26'
L = 924.72'
E = 17.71'
e = MATCH EX. (NORMAL CROWN)
T.R. = MATCH EX.
S.E. RUN = MATCH EX.
P.C. STA. = 234+35.94
P.T. STA. = 243+60.66

PR CURVE 2

PROP. CURVE RAND-P-B-SB1_2
PI STA. = 249+46.64
Delta = 24° 44' 40" (LT)
D = 6° 58' 13"
R = 822.00'
T = 180.31'
L = 355.00'
E = 19.54'
e = MATCH EX. (e max = 7.3%)
T.R. = MATCH EX.
S.E. RUN = MATCH EX.
P.C. STA. = 247+66.33
P.T. STA. = 251+21.33

PR CURVE 3

PROP. CURVE RAND-P-B-SB1_3
PI STA. = 252+14.51
Delta = 9° 28' 10" (LT)
D = 5° 05' 35"
R = 1,125.00'
T = 93.18'
L = 185.93'
E = 3.85'
e = MATCH EX. (e max = 7.7%)
T.R. = MATCH EX.
S.E. RUN = MATCH EX.
P.C. STA. = 251+21.33
P.T. STA. = 253+07.26

PR CURVE 4

PROP. CURVE RAND-P-B-SB1_4
PI STA. = 253+57.31
Delta = 6° 19' 52" (LT)
D = 6° 19' 52"
R = 904.97'
T = 50.05'
L = 100.00'
E = 1.38'
e = EXISTING
T.R. = EXISTING
S.E. RUN = EXISTING
P.C. STA. = 253+07.26
P.T. STA. = 254+07.26

PR CURVE 5

PROP. CURVE RAND-P-B-SB1_5
PI STA. = 260+01.36
Delta = 21° 49' 18" (RT)
D = 3° 36' 15"
R = 1,589.71'
T = 306.44'
L = 605.46'
E = 29.27'
e = EXISTING
T.R. = EXISTING
S.E. RUN = EXISTING
P.C. STA. = 256+94.92
P.T. STA. = 263+00.37

PR CURVE 6

PROP. CURVE RAND-P-B-NB1_1
PI STA. = 338+34.60
Delta = 8° 45' 27" (LT)
D = 0° 58' 12"
R = 5,906.00'
T = 452.24'
L = 902.71'
E = 17.29'
e = MATCH EX. (e max = 1.3%)
T.R. = MATCH EX.
S.E. RUN = MATCH EX.
P.C. STA. = 333+82.36
P.T. STA. = 342+85.07

PR CURVE 7

PROP. CURVE RAND-P-B-NB1_2
PI STA. = 351+07.62
Delta = 40° 32' 43" (LT)
D = 6° 11' 48"
R = 924.63'
T = 341.53'
L = 654.32'
E = 61.06'
e = EXISTING
T.R. = EXISTING
S.E. RUN = EXISTING
P.C. STA. = 347+66.09
P.T. STA. = 354+20.41

PR CURVE 8

PROP. CURVE RAND-P-B-NB1_3
PI STA. = 360+06.71
Delta = 21° 49' 18" (RT)
D = 3° 38' 31"
R = 1,573.21'
T = 303.26'
L = 599.17'
E = 28.96'
e = EXISTING
T.R. = EXISTING
S.E. RUN = EXISTING
P.C. STA. = 357+03.45
P.T. STA. = 363+02.62

PR CURVE 9

PROP. CURVE RMPC-P-B-001_1
PI STA. = 503+68.86
Delta = 75° 21' 00" (RT)
D = 26° 16' 57"
R = 218.00'
T = 168.34'
L = 286.69'
E = 57.43'
e = EXISTING
T.R. = EXISTING
S.E. RUN = EXISTING
P.C. STA. = 502+00.52
P.T. STA. = 504+87.21

PR CURVE 10

PROP. CURVE RMPC-P-B-001_2
PI STA. = 506+05.93
Delta = 55° 28' 48" (RT)
D = 25° 22' 54"
R = 225.74'
T = 118.72'
L = 218.58'
E = 29.31'
e = EXISTING
T.R. = EXISTING
S.E. RUN = EXISTING
P.C. STA. = 504+87.21
P.T. STA. = 507+05.80

PR CURVE 11

PROP. CURVE RMPC-P-B-001_3
PI STA. = 508+00.58
Delta = 43° 55' 50" (RT)
D = 24° 22' 52"
R = 235.00'
T = 94.78'
L = 180.18'
E = 18.39'
e = EXISTING
T.R. = EXISTING
S.E. RUN = EXISTING
P.C. STA. = 507+05.80
P.T. STA. = 508+85.98

PR CURVE 12

PROP. CURVE RMPC-P-B-001_4
PI STA. = 509+39.59
Delta = 29° 43' 49" (RT)
D = 28° 21' 51"
R = 202.00'
T = 53.62'
L = 104.82'
E = 6.99'
e = EXISTING
T.R. = EXISTING
S.E. RUN = EXISTING
P.C. STA. = 508+85.98
P.T. STA. = 509+90.79

PR CURVE 13

PROP. CURVE RMPD-P-B-001_1
PI STA. = 703+35.01
Delta = 73° 38' 35" (LT)
D = 20° 59' 15"
R = 273.00'
T = 204.39'
L = 350.89'
E = 68.03'
e = MATCH EX. (e max = 6.7%)
T.R. = MATCH EX.
S.E. RUN = MATCH EX.
P.C. STA. = 701+30.62
P.T. STA. = 704+81.52

PR CURVE 14

PROP. CURVE RMPE-P-B-001_1
PI STA. = 1101+74.96
Delta = 3° 22' 23" (LT)
D = 0° 57' 51"
R = 5,942.00'
T = 174.96'
L = 349.82'
E = 2.58'
e = 1.5%
T.R. = 0.00'
S.E. RUN = 0.00'
P.C. STA. = 1100+00.00
P.T. STA. = 1103+49.82

PR CURVE 15

PROP. CURVE RMPE-P-B-001_2
PI STA. = 1106+79.45
Delta = 88° 13' 34" (RT)
D = 16° 51' 06"
R = 340.00'
T = 329.63'
L = 523.54'
E = 133.56'
e = 6.0%
T.R. = 43.47'
S.E. RUN = 173.88'
P.C. STA. = 1103+49.82
P.T. STA. = 1108+73.36

PR CURVE 16

PROP. CURVE RMPE-P-B-001_3
PI STA. = 1110+04.97
Delta = 23° 03' 55" (RT)
D = 8° 52' 59"
R = 645.00'
T = 131.61'
L = 259.65'
E = 13.29'
e = 6.0%
T.R. = 130.00'
S.E. RUN = 390.00'
P.C. STA. = 1108+73.36
P.T. STA. = 1111+33.02

CURVE DATA

Table with columns: CURVE NO., CURVE NAME, BASELINE, PC (NORTH, EAST), PI (NORTH, EAST), PT (NORTH, EAST). Rows include EX CURVE 1-2, PR CURVE 1-16.

BENCHMARK LIST

Table with columns: BM #, ELEV., DISCRPTION. Rows include DL6742, BM1, BM2, BM3, BM4, BM5, AJ2829, BM6.



Table with columns: USER NAME, DESIGNED, DRAWN, CHECKED, PLOT DATE, REVISIONS.

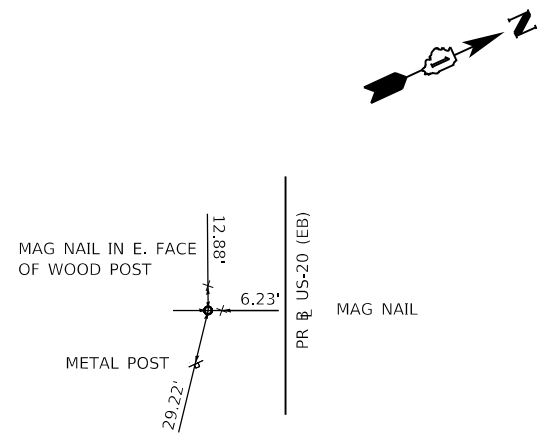
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: N.T.S. SHEET 3 OF 4 SHEETS STA. TO STA.

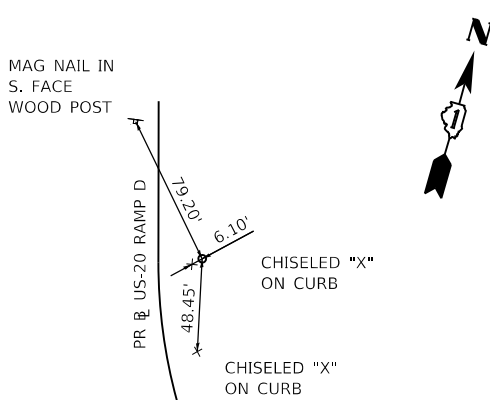
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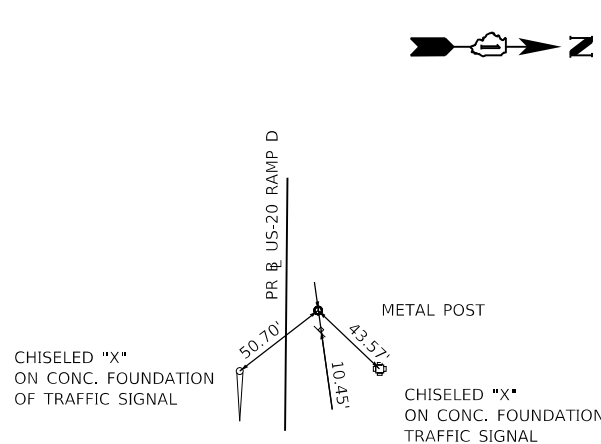
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STA 918+61.67
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 EL: 822.5700
 5/8" REBAR
 N.T.S.



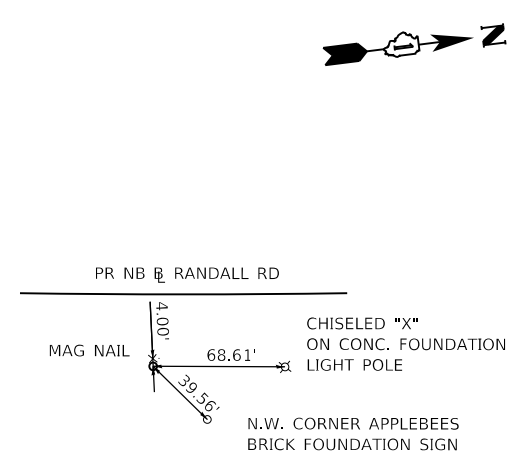
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STA 701+28.75
 N: 1954013.2890 E: 982526.2740
 EL: 825.9460
 5/8" REBAR
 N.T.S.



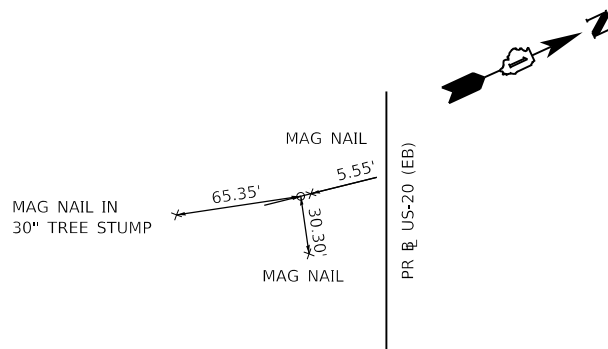
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STA 705+97.35
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 EL: 832.4160
 5/8" REBAR
 N.T.S.



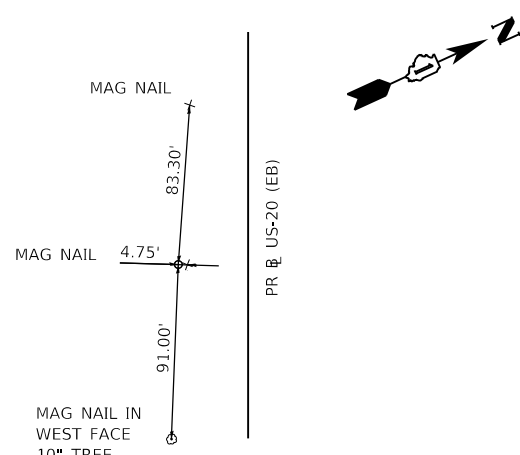
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STA 334+51.80
 N: 1953139.8990 E: 982975.0420
 EL: 811.2410
 5/8" REBAR
 N.T.S.



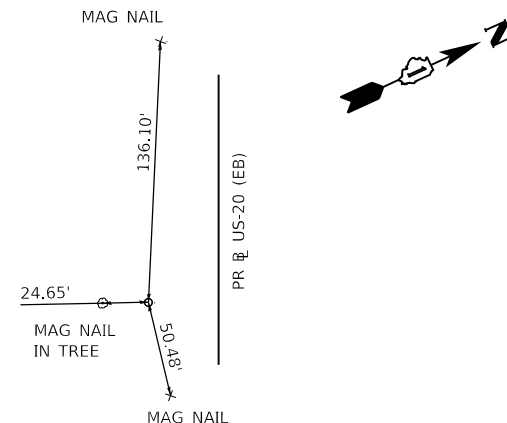
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 N: 1953974.6810 E: 983537.2340
 EL: 826.7790
 5/8" REBAR
 N.T.S.



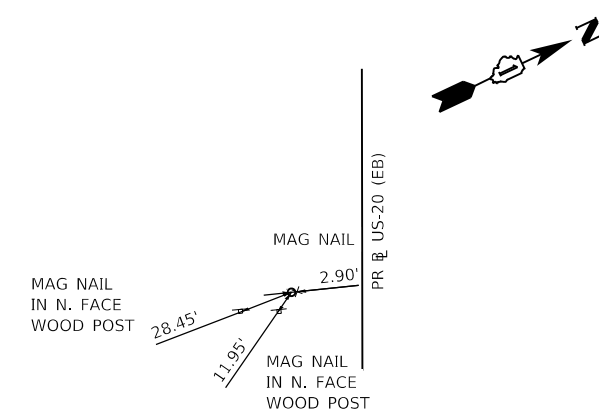
△ CONTROL POINT #6

STA 934+77.75
 N: 1953680.0660 E: 984199.1990
 EL: 823.9010
 5/8" REBAR
 N.T.S.



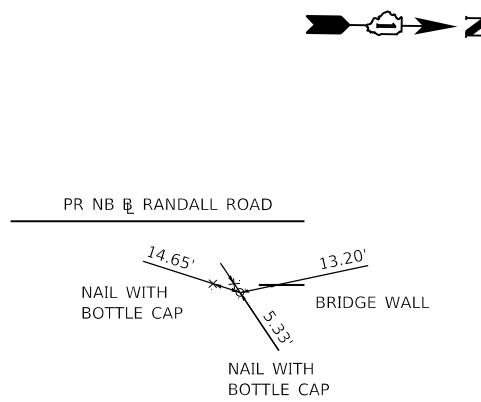
△ CONTROL POINT #7

STA 942+75.83
 N: 1953347.0720 E: 984924.4960
 EL: 814.1670
 5/8" REBAR
 N.T.S.



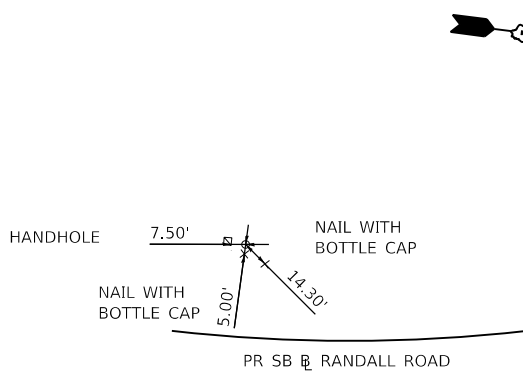
△ CONTROL POINT #8

STA 951+56.76
 N: 1952979.5250 E: 985725.0810
 EL: 809.2870
 5/8" REBAR
 N.T.S.



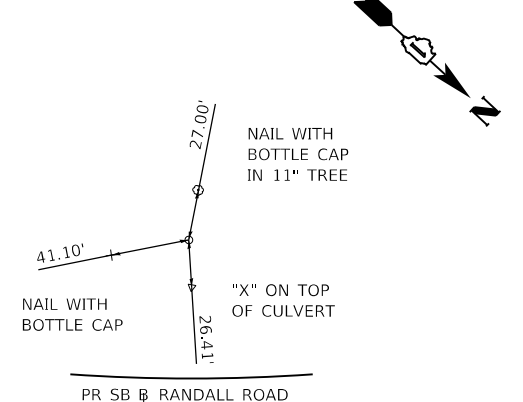
△ CONTROL POINT #9

STA 344+56.51
 N: 1954147.9070 E: 983000.2030
 EL: 838.2500
 5/8" REBAR
 N.T.S.



△ CONTROL POINT #10

STA 247+99.78
 N: 1954489.2010 E: 982904.9300
 EL: 839.0500
 5/8" REBAR
 N.T.S.



△ CONTROL POINT #11

STA 253+44.66
 N: 1954947.7560 E: 982700.3090
 EL: 833.3300
 5/8" REBAR
 N.T.S.

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USER NAME	= lin44
PLOT SCALE	= 100.0000' / in.
PLOT DATE	= 01/03/2019

DESIGNED	- MA
DRAWN	- MA
CHECKED	- ST
DATE	- 01-03-19

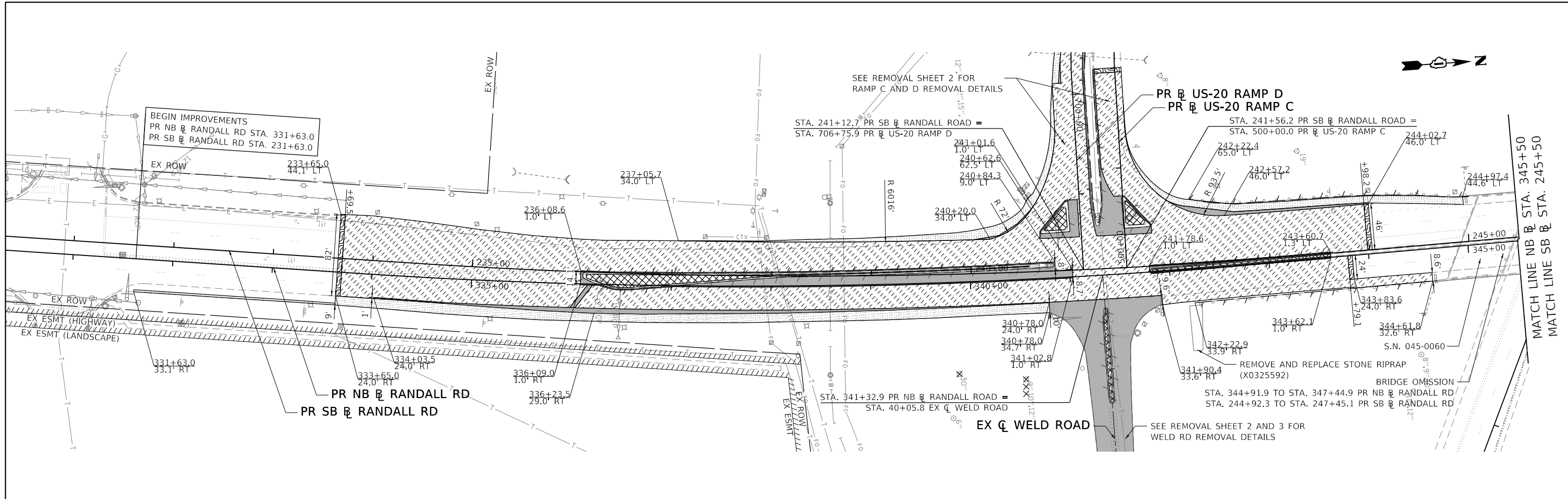
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES & BENCHMARKS

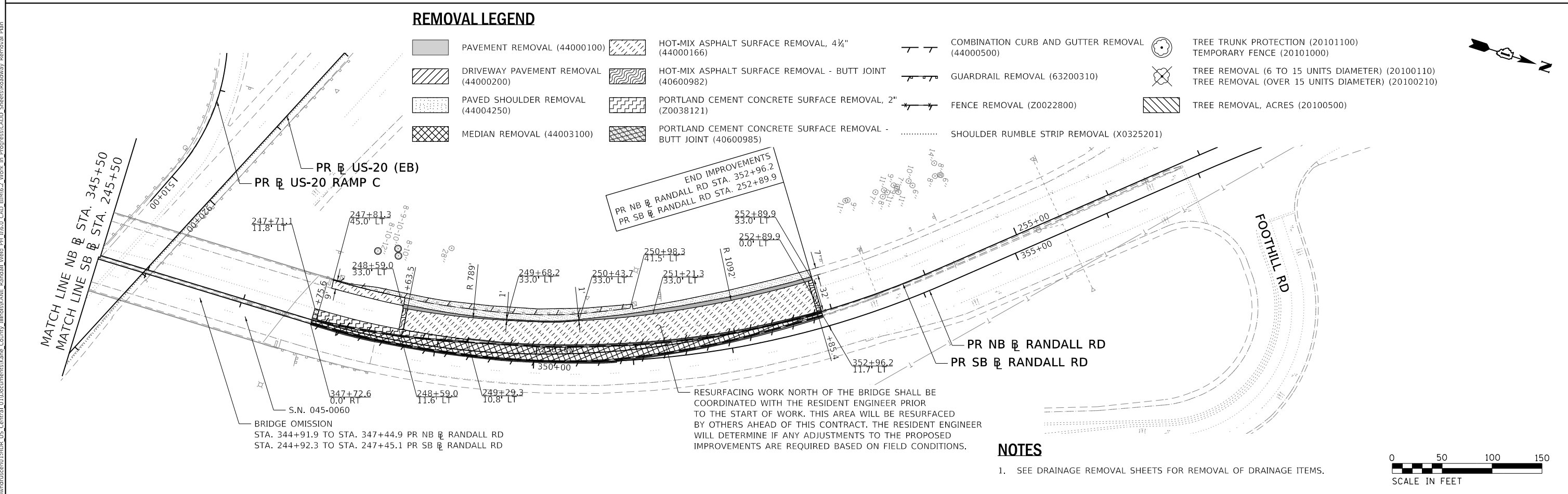
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	31
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



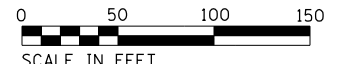
REMOVAL LEGEND

- | | | | |
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| PAVEMENT REMOVAL (44000100) | HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4" (44000166) | COMBINATION CURB AND GUTTER REMOVAL (44000500) | TREE TRUNK PROTECTION (20101100) |
| DRIVEWAY PAVEMENT REMOVAL (44000200) | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (40600982) | GUARDRAIL REMOVAL (63200310) | TREE REMOVAL (6 TO 15 UNITS DIAMETER) (20100110) |
| PAVED SHOULDER REMOVAL (44004250) | PORTLAND CEMENT CONCRETE SURFACE REMOVAL, 2" (Z0038121) | FENCE REMOVAL (Z0022800) | TREE REMOVAL (OVER 15 UNITS DIAMETER) (20100210) |
| MEDIAN REMOVAL (44003100) | PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT (40600985) | SHOULDER RUMBLE STRIP REMOVAL (X0325201) | TREE REMOVAL, ACRES (20100500) |



NOTES

- SEE DRAINAGE REMOVAL SHEETS FOR REMOVAL OF DRAINAGE ITEMS.



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HDR
 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

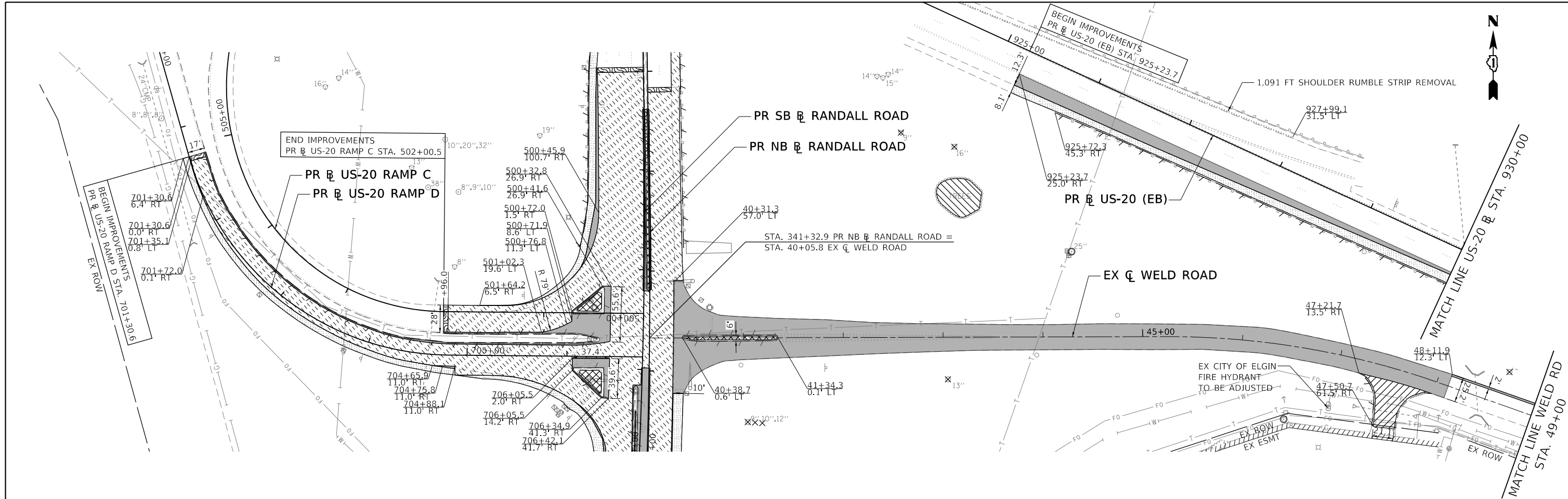
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	DRAWN - AKS	REVISED -
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PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY REMOVAL PLAN
 RANDALL ROAD**

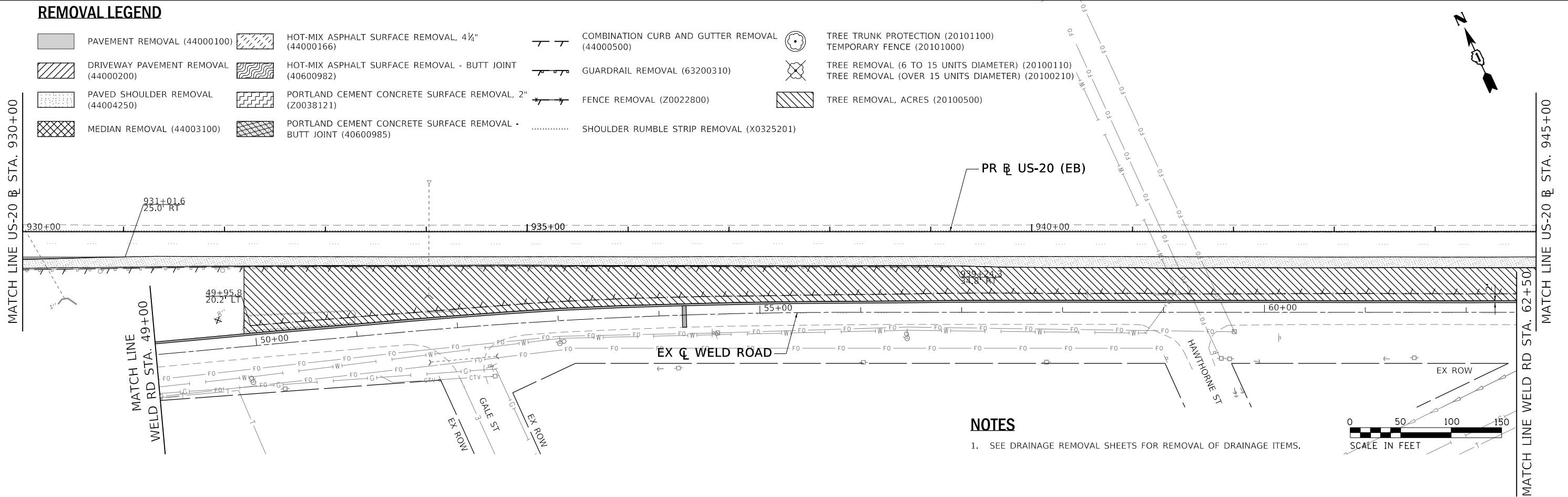
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	32
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- | | | | |
|--------------------------------------|------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|
| PAVEMENT REMOVAL (44000100) | HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/2" (44000166) | COMBINATION CURB AND GUTTER REMOVAL (44000500) | TREE TRUNK PROTECTION (20101100) |
| DRIVEWAY PAVEMENT REMOVAL (44000200) | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (40600982) | GUARDRAIL REMOVAL (63200310) | TEMPORARY FENCE (20101000) |
| PAVED SHOULDER REMOVAL (44004250) | PORTLAND CEMENT CONCRETE SURFACE REMOVAL, 2" (Z0038121) | FENCE REMOVAL (Z0022800) | TREE REMOVAL (6 TO 15 UNITS DIAMETER) (20100110) |
| MEDIAN REMOVAL (44003100) | PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT (40600985) | SHOULDER RUMBLE STRIP REMOVAL (X0325201) | TREE REMOVAL (OVER 15 UNITS DIAMETER) (20100210) |
| | | TREE REMOVAL, ACRES (20100500) | |



NOTES

- SEE DRAINAGE REMOVAL SHEETS FOR REMOVAL OF DRAINAGE ITEMS.



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USER NAME = RROGERS
 DESIGNED - AKS
 DRAWN - AKS
 PLOT SCALE = 100,000.1' / in.
 CHECKED - DWW
 PLOT DATE = 01/03/2019
 DATE - 01-03-19

DESIGNED - AKS
 DRAWN - AKS
 CHECKED - DWW
 DATE - 01-03-19


















**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

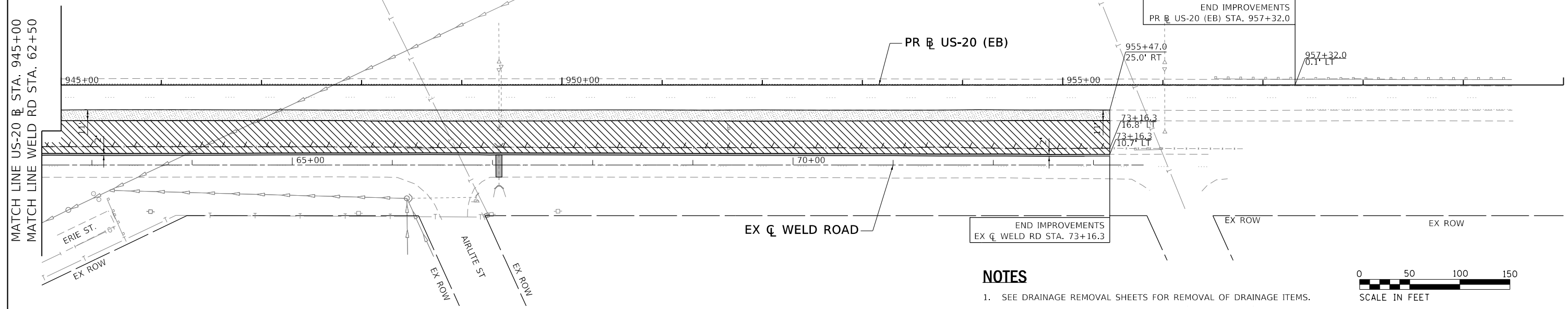
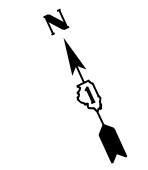
**ROADWAY REMOVAL PLAN
US-20, RAMPS C, D, & E, AND WELD ROAD**

SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	33
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

REMOVAL LEGEND

- | | | | | |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|  PAVEMENT REMOVAL (44000100) |  HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4" (44000166) |  COMBINATION CURB AND GUTTER REMOVAL (44000500) |  TREE TRUNK PROTECTION (20101100) |  TEMPORARY FENCE (20101000) |
|  DRIVEWAY PAVEMENT REMOVAL (44000200) |  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (40600982) |  GUARDRAIL REMOVAL (63200310) |  TREE REMOVAL (6 TO 15 UNITS DIAMETER) (20100110) |  TREE REMOVAL (OVER 15 UNITS DIAMETER) (20100210) |
|  PAVED SHOULDER REMOVAL (44004250) |  PORTLAND CEMENT CONCRETE SURFACE REMOVAL, 2" (Z0038121) |  FENCE REMOVAL (Z0022800) |  TREE REMOVAL, ACRES (20100500) | |
|  MEDIAN REMOVAL (44003100) |  PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT (40600985) |  SHOULDER RUMBLE STRIP REMOVAL (X0325201) | | |



NOTES

- SEE DRAINAGE REMOVAL SHEETS FOR REMOVAL OF DRAINAGE ITEMS.



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 PROJECT: US-20 AND WELD ROAD
 SHEET: ROADWAY REMOVAL PLAN

HDR
 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

USER NAME = RROGERS	DESIGNED - AKS	REVISED -
DRAWN - AKS	CHECKED - DWW	REVISED -
PLOT SCALE = 100.0000' / in.	DATE - 01-03-19	REVISED -
PLOT DATE = 01/03/2019		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY REMOVAL PLAN
 US-20 AND WELD ROAD**

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

F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 34
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 61F57				

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PROPOSED LEGEND

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2" (40603565)
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" (40603240)
- ③ LEVELING BINDER (MACHINE METHOD), N70 3/4" TO 2 3/4" (40600635)
- ④ HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4" (35600703) OR HOT-MIX ASPHALT BASE COURSE, 6 3/4" (35501311)
- ⑤ HOT-MIX ASPHALT SHOULDERS, 11" (48203041)
- ⑥ AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- ⑦ CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
- ⑧ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
- ⑨ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- ⑩ CLASS C PATCHES, TYPE IV, 12 INCH (44201383)
- ⑪ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (60608600)
- ⑫ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (60610400)
- ⑬ SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
- ⑭ CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT (63700280)
- ⑮ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001)
- ⑯ CONCRETE MEDIAN, TYPE SB-6.12 (60619600)
- ⑰ AGGREGATE SHOULDERS, TYPE B 10" (48101620)
- ⑱ HOT-MIX ASPHALT SHOULDERS, 11 3/4" (48203044)
- ⑲ SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
- ⑳ CONCETE BARRIER TRANSITION (63700805)
- ㉑ TRAFFIC BARRIER TERMINAL, TYPE 6B (63100089)
- ㉒ TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED (63100089)
- ㉓ SUBBASE GRANULAR MATERIAL, TYPE B 8" (31101600)
- ㉔ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (40603340)
- ㉕ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4" (40603085)
- ㉖ HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (35600715) OR HOT-MIX ASPHALT BASE COURSE, 9 3/4" (35501323)
- ㉗ HOT-MIX ASPHALT BASE COURSE WIDENING, 8 1/4" (35600709) OR HOT-MIX ASPHALT BASE COURSE, 8 1/4" (35501317)
- ㉘ HOT-MIX ASPHALT SHOULDERS, 10 1/4" (48203038)
- ㉙ HOT-MIX ASPHALT BASE COURSE, 9" (35501320)
- ㉚ AGGREGATE SUBGRADE IMPROVEMENT (30300001)



USER NAME = RR0GERS	DESIGNED - AKS	REVISED -
DRAWN - AKS	CHECKED - DWW	REVISED -
PLOT SCALE = 100,0001 ' / in.	DATE - 01-03-19	REVISED -
PLOT DATE = 01/03/2019		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY PLAN AND PROFILE
 LEGEND**

SCALE: N/A SHEET 1 OF 9 SHEETS STA. N/A TO STA. N/A

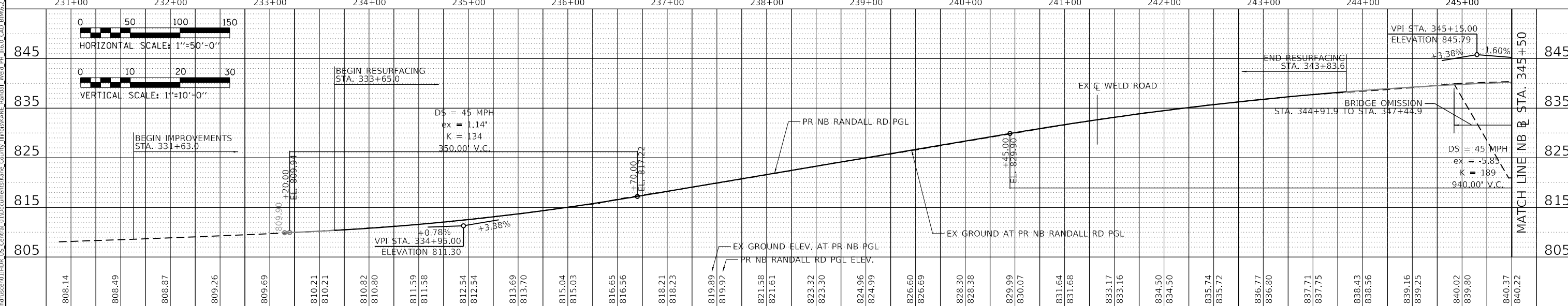
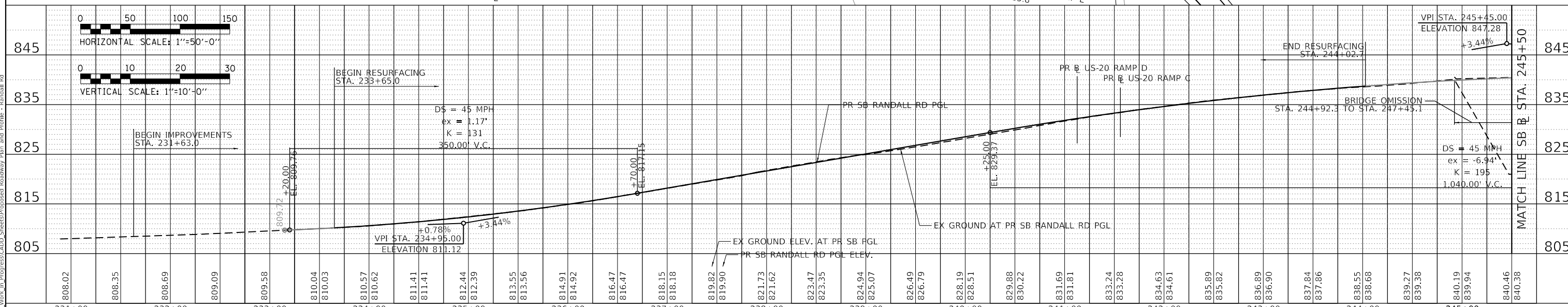
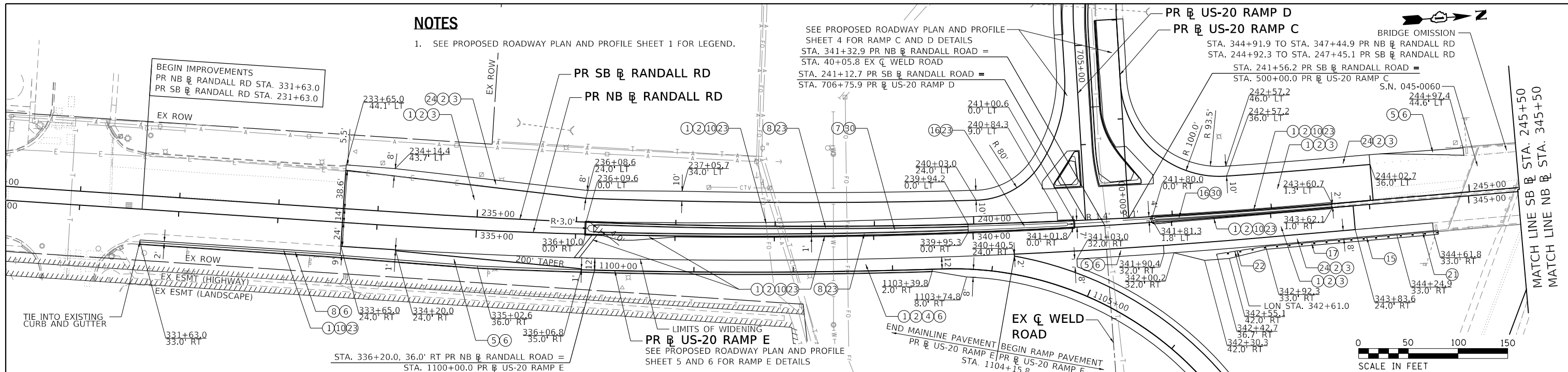
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	35
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

NOTES

1. SEE PROPOSED ROADWAY PLAN AND PROFILE SHEET 1 FOR LEGEND.

SEE PROPOSED ROADWAY PLAN AND PROFILE SHEET 4 FOR RAMP C AND D DETAILS
 STA. 341+32.9 PR NB **US-20 RAMP C**
 STA. 40+05.8 EX **WELD ROAD**
 STA. 241+12.7 PR SB **US-20 RAMP D**
 STA. 706+75.9 PR **US-20 RAMP D**

BRIDGE OMISSION
 STA. 344+91.9 TO STA. 347+44.9 PR NB **US-20 RAMP C**
 STA. 244+92.3 TO STA. 247+45.1 PR SB **US-20 RAMP D**
 STA. 241+56.2 PR SB **US-20 RAMP D**
 STA. 500+00.0 PR **US-20 RAMP C**
 S.N. 045-0060
 244+97.4
 44.6' LT



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNMENT CHECKED
	NOTE BOOK
	NO.
	CADD FILE NAME
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
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	NOTE BOOK
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	STRUCTURE NOTATIONS
	NO.

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HR
 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

USER NAME	= RROGERS	DESIGNED	- AKS	REVISED	-
		DRAWN	- AKS	REVISED	-
PLOT SCALE	= 100.0000' / in.	CHECKED	- DWW	REVISED	-
PLOT DATE	= 01/03/2019	DATE	- 01-03-19	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

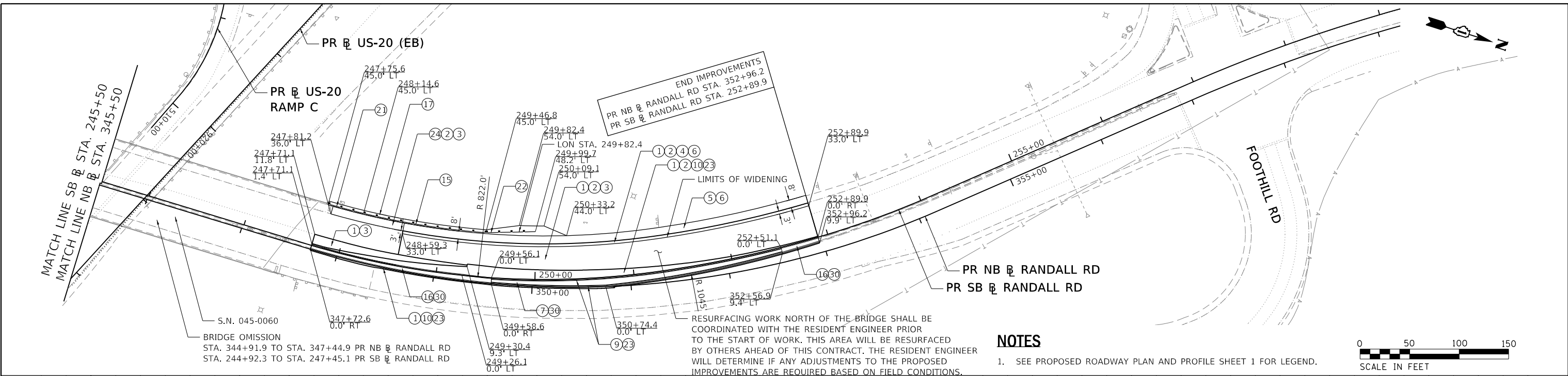
PROPOSED ROADWAY PLAN AND PROFILE
RANDALL ROAD
 SCALE: 1" = 50'
 SHEET 2 OF 9 SHEETS
 STA. 331+63.0 TO STA. 345+50.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
836/345	14-00446-00-CH	KANE	354	36
FED. ROAD DIST. NO. 1 ILLINOIS				CONTRACT NO. 61F57
FED. AID PROJECT				

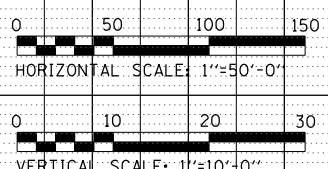
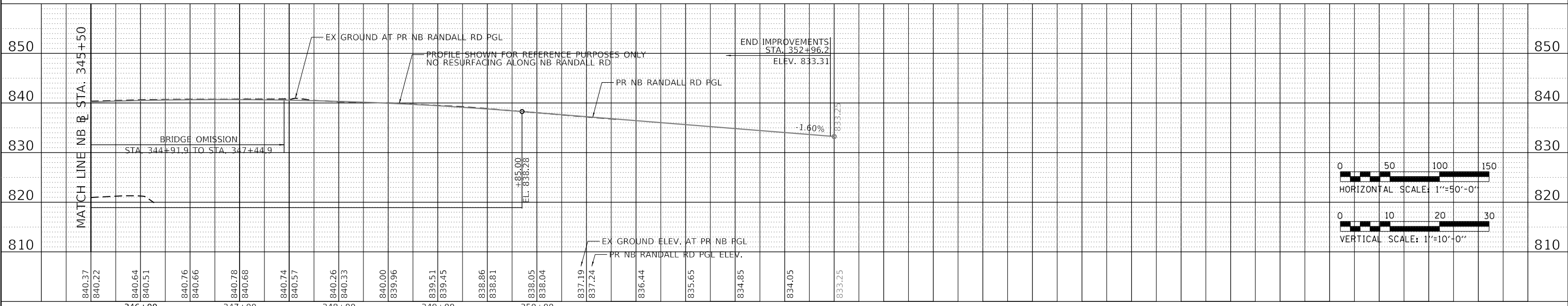
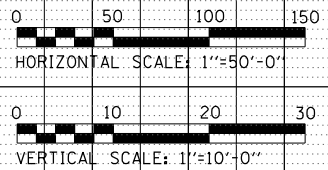
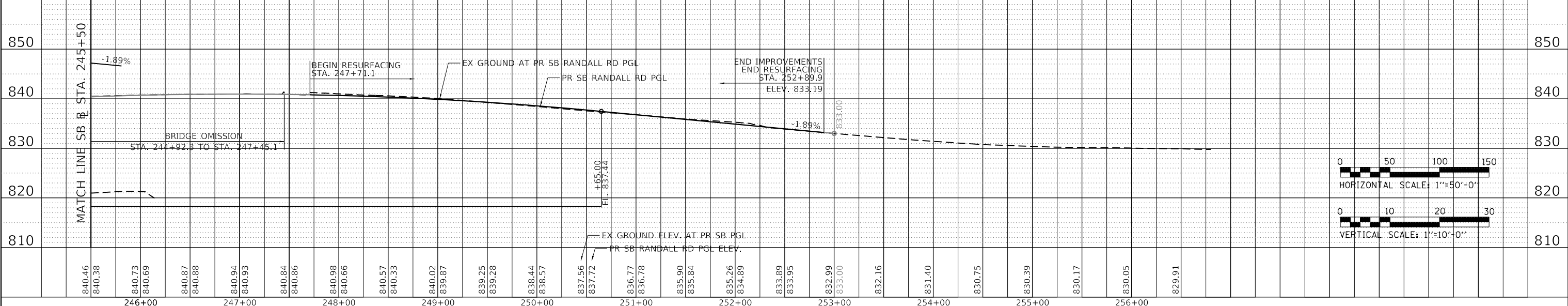
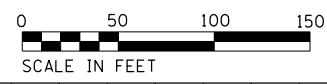
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	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	NO.
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	CHECKED
	STRUCTURE	NOTATION
	NO.	

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NOTES
 1. SEE PROPOSED ROADWAY PLAN AND PROFILE SHEET 1 FOR LEGEND.



HDR 8550 W. BRYN MAWR AVE. CHICAGO, IL 60631	USER NAME = RR0GERS	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED ROADWAY PLAN AND PROFILE RANDALL ROAD			F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 37
	PLOT SCALE = 100.0000' / in.	CHECKED - DWW	REVISED -					SCALE: 1" = 50'	SHEET 3 OF 9 SHEETS	STA. 345+50.0 TO STA. 352+96.2	CONTRACT NO. 61F57	
	PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

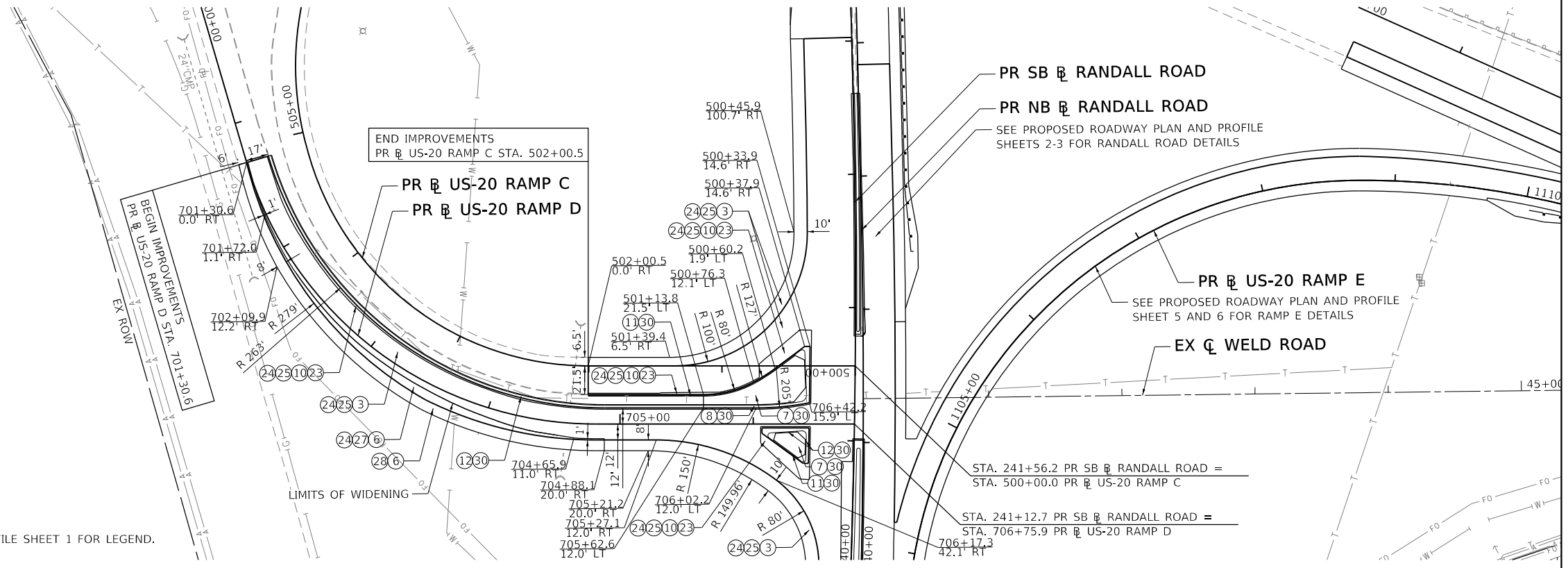


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	PLOTTED	BY
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	NOTE BOOK NO.	
	STRUCTURE NOTATION	
	CADD FILE NAME	

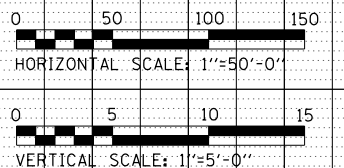
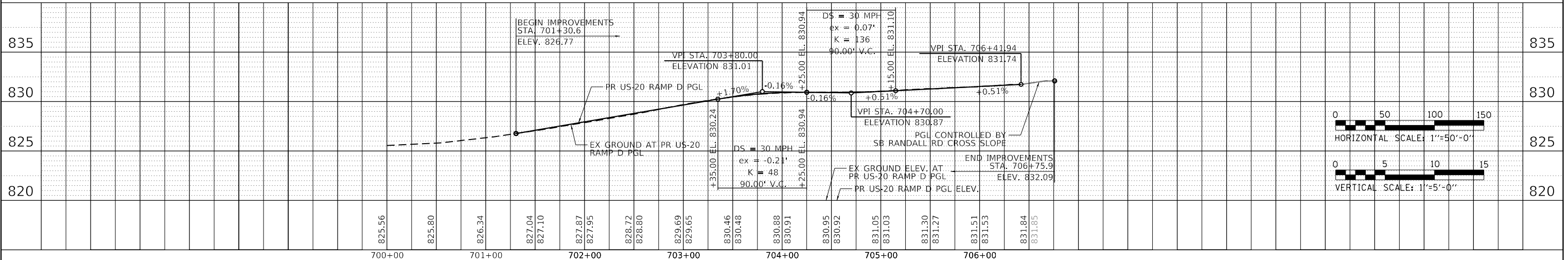
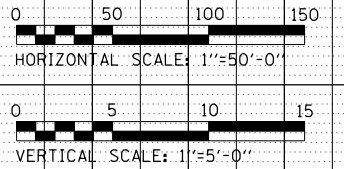
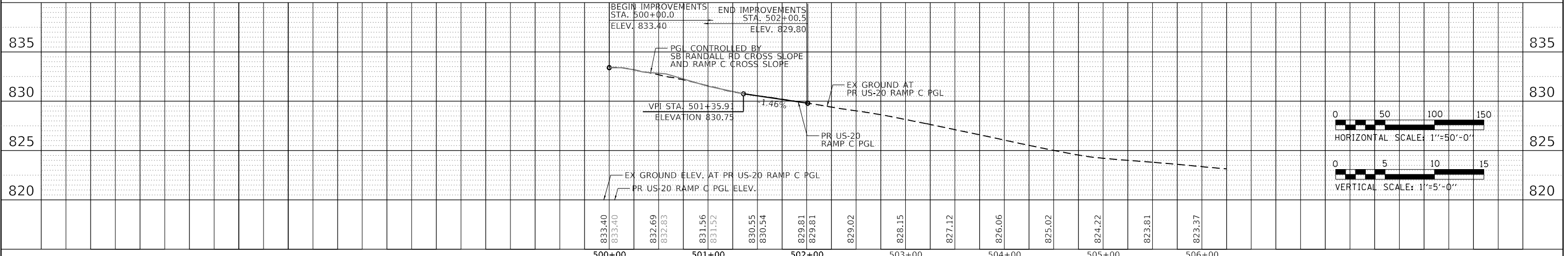


NOTES

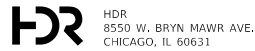
- SEE PROPOSED ROADWAY PLAN AND PROFILE SHEET 1 FOR LEGEND.



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK NO.	
	STRUCTURE NOTATION	
	CADD FILE NAME	



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	DRAWN - AKS	REVISED -
PLOT SCALE = 100.0002' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY PLAN AND PROFILE
US-20 RAMPS C AND D**

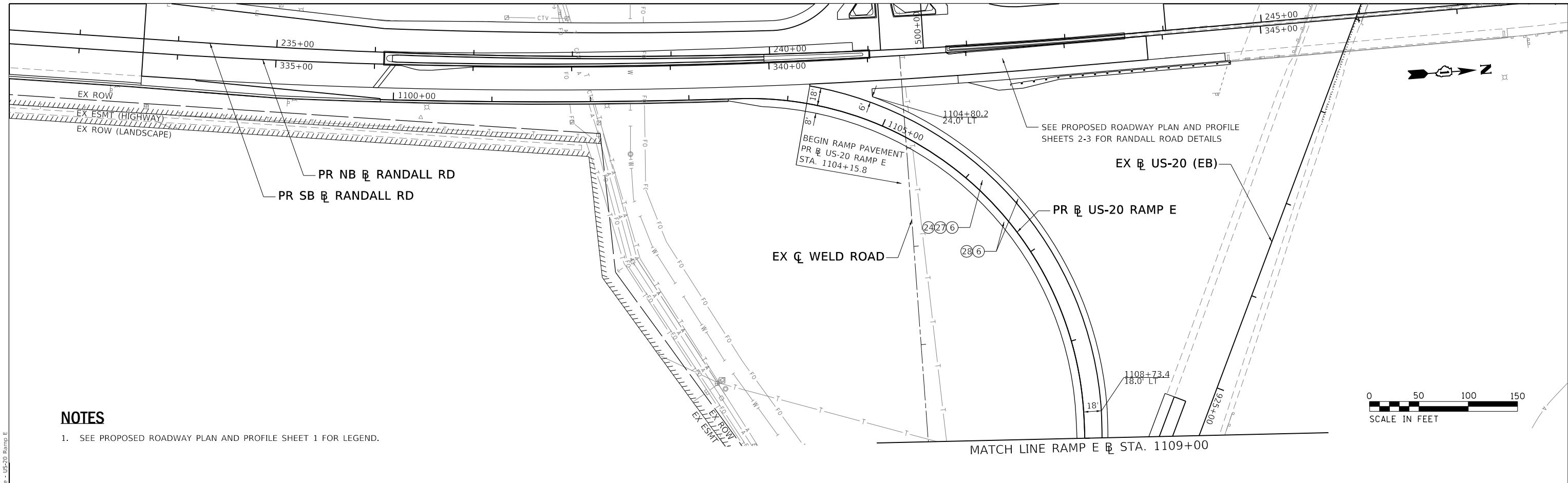
SCALE: 1" = 50' SHEET 4 OF 9 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	38
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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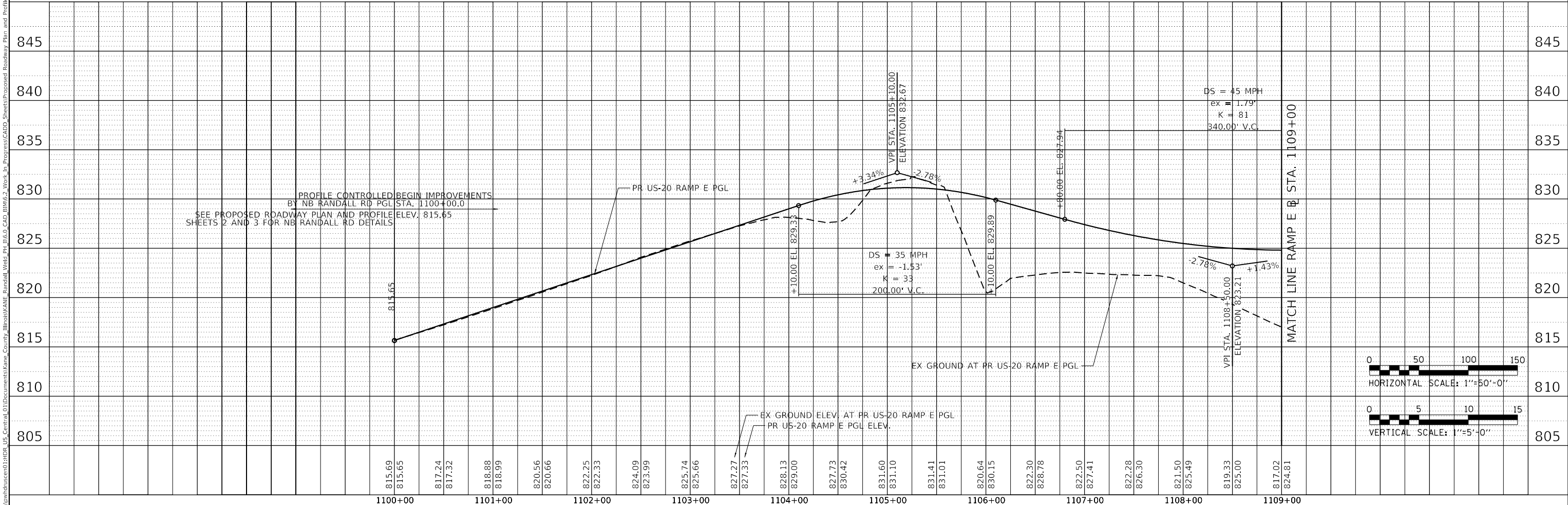
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NOTES

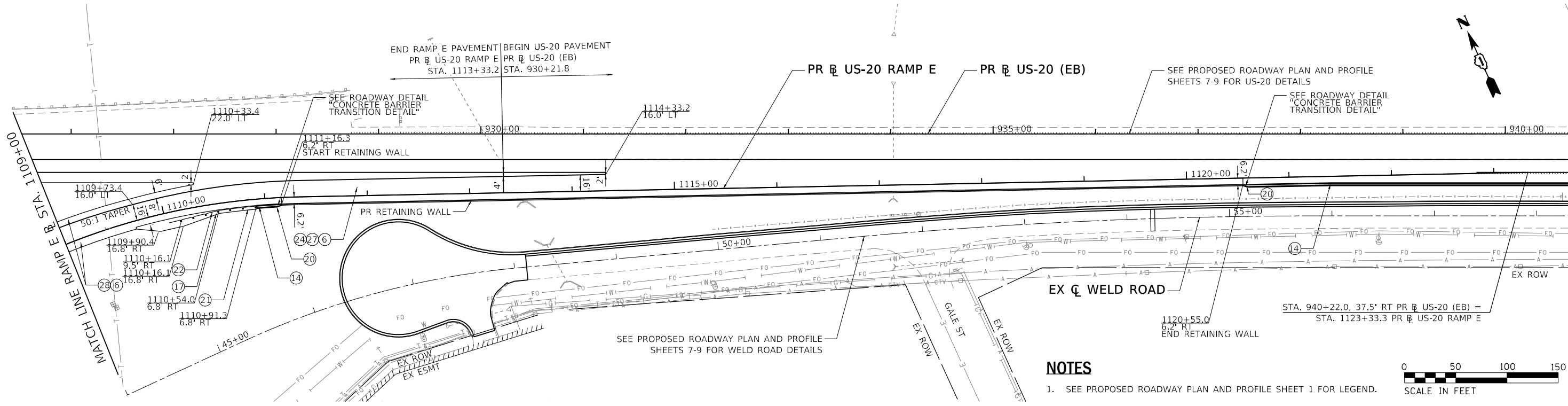
- 1. SEE PROPOSED ROADWAY PLAN AND PROFILE SHEET 1 FOR LEGEND.



HDR 8550 W. BRYN MAWR AVE. CHICAGO, IL 60631	USER NAME = RROGERS	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED ROADWAY PLAN AND PROFILE US-20 RAMP E		F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 39	
	PLOT SCALE = 100.0000' / in.	CHECKED - DWW	REVISED -		SCALE: 1" = 50'		SHEET 5 OF 9 SHEETS	STA. 1100+00.0 TO STA. 1109+00.0		CONTRACT NO. 61F57		
	PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -		FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT				

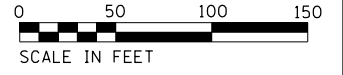


DATE	
BY	
PLAN	SURVEYED
	ALIGNED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NOTE BOOK NO.
	CADD FILE NAME

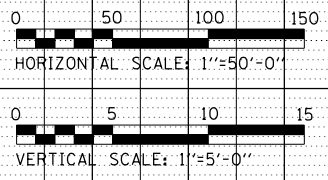
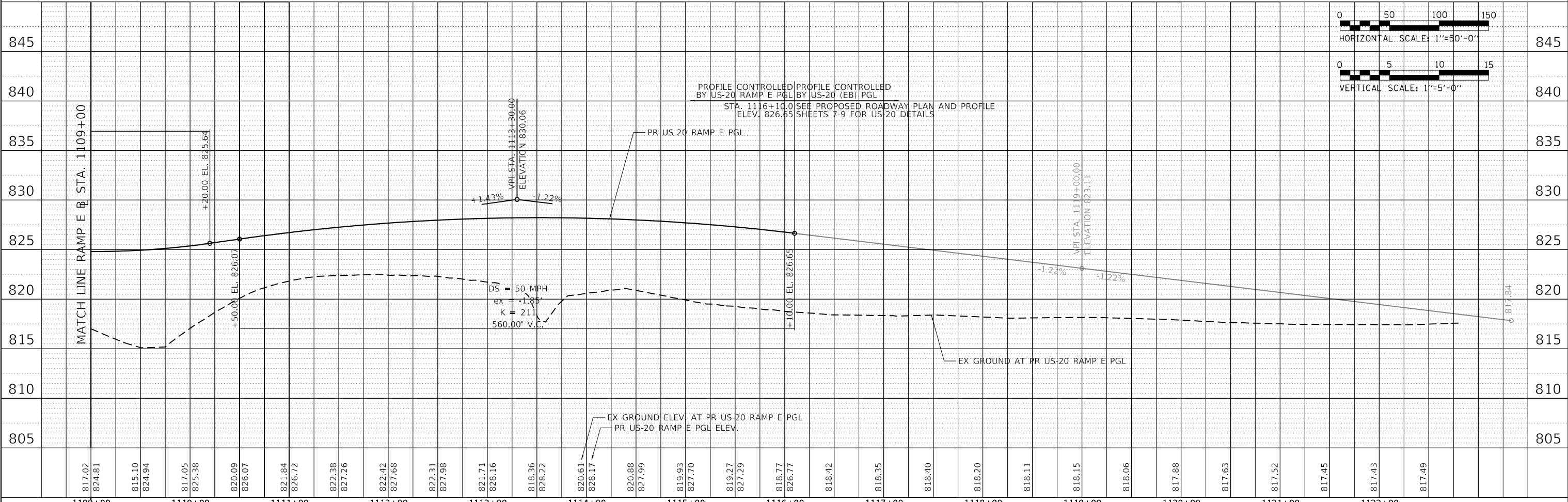


NOTES

1. SEE PROPOSED ROADWAY PLAN AND PROFILE SHEET 1 FOR LEGEND.



DATE	
BY	
PROFILE	SURVEYED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NOTE BOOK NO.
	CADD FILE NAME



MODEL: Default
FILE NAME: p:\lp\mrusceno\proj\US-Central\01\Documents\Kane-County-Illinois\Kane-County-Work\in-progress\CADD_Sheets\Proposed Roadway Plan and Profile - US-20 Ramp E

USER NAME	= RR ROGERS
DESIGNED	- AKS
DRAWN	- AKS
CHECKED	- DWW
DATE	- 01-03-19
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY PLAN AND PROFILE
US-20 RAMP E**

SCALE: 1" = 50' SHEET 6 OF 9 SHEETS STA. 1109+00.0 TO STA. 1123+33.3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	40
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

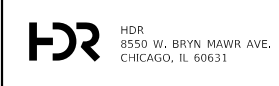
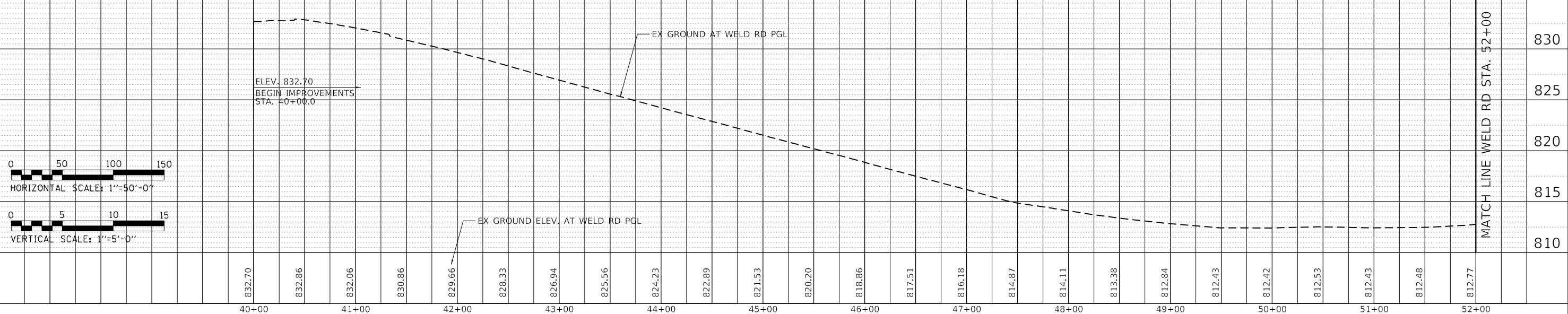
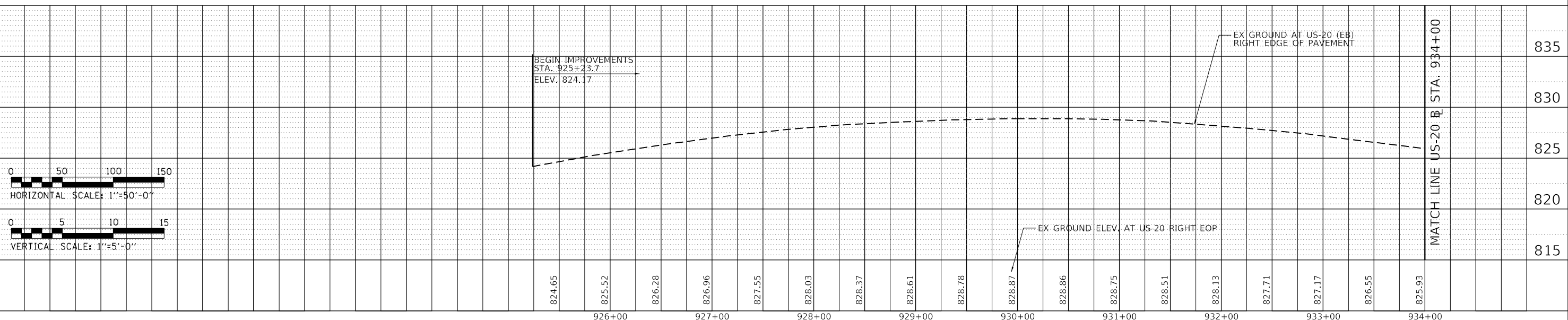
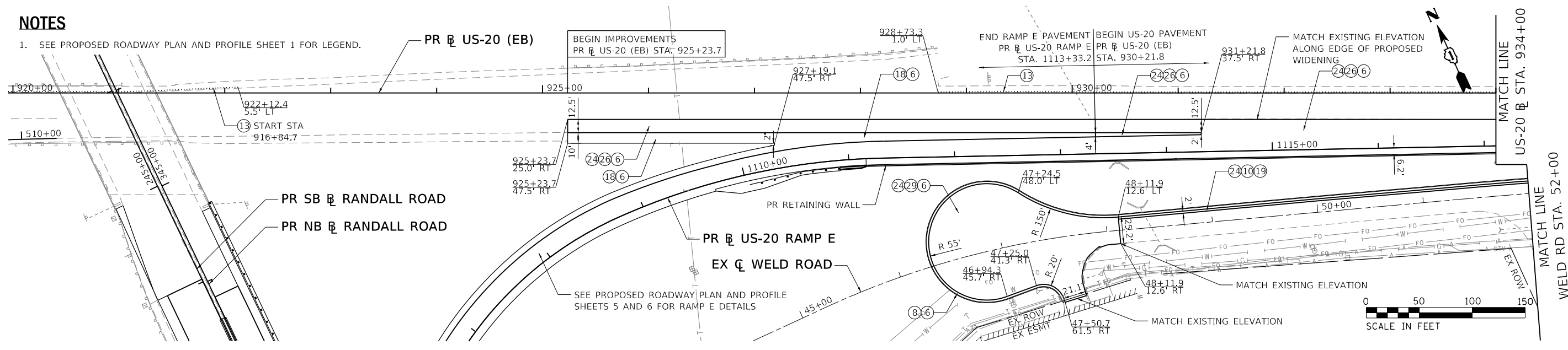
NOTES

1. SEE PROPOSED ROADWAY PLAN AND PROFILE SHEET 1 FOR LEGEND.

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

MODEL: Default
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USER NAME = RROGERS	DESIGNED - AKS	REVISED -
	DRAWN - AKS	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY PLAN AND PROFILE
 US-20 AND WELD ROAD**

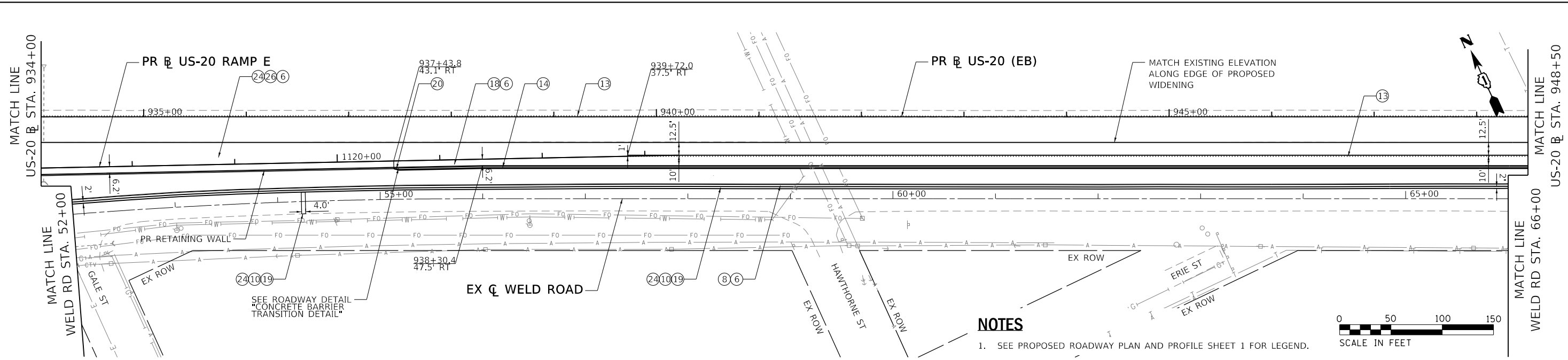
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	41
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

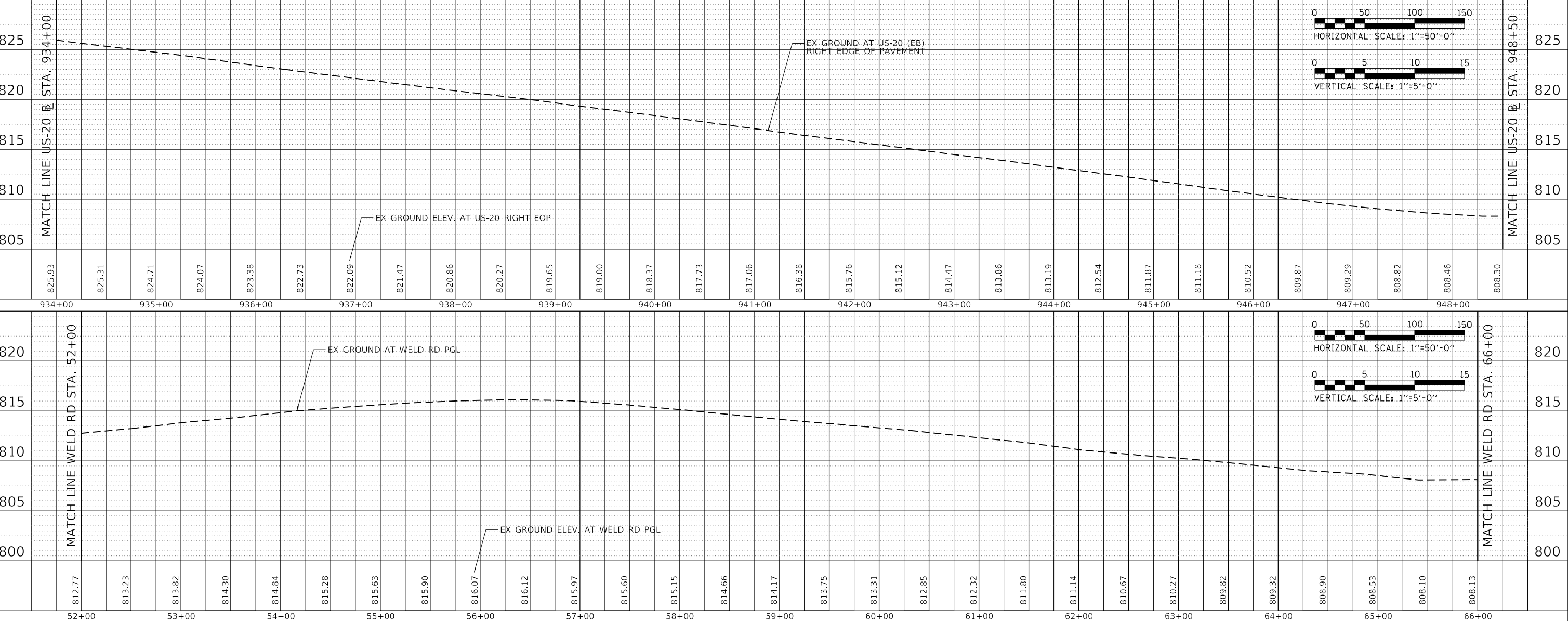
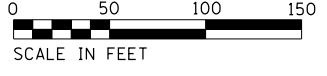
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	PLOTTED		
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	NOTE BOOK NO.		
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PROFILE	SURVEYED	BY	DATE
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	GRADES CHECKED		
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NOTES
 1. SEE PROPOSED ROADWAY PLAN AND PROFILE SHEET 1 FOR LEGEND.



HDR
 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

USER NAME =	RROGERS	DESIGNED -	AKS	REVISED -	
		DRAWN -	AKS	REVISED -	
PLOT SCALE =	100.0000' / in.	CHECKED -	DWW	REVISED -	
PLOT DATE =	01/03/2019	DATE	01-03-19	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

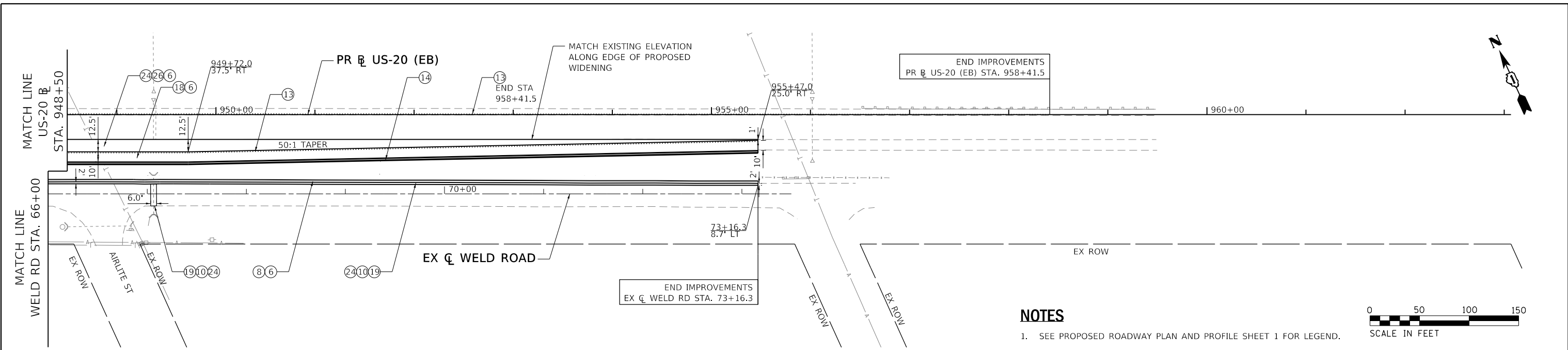
**PROPOSED ROADWAY PLAN AND PROFILE
 US-20 AND WELD ROAD**
 SCALE: 1" = 50' SHEET 8 OF 9 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	42
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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	NOTE BOOK NO.	
	CADD FILE NAME	

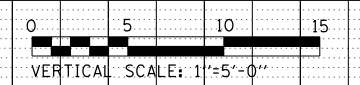
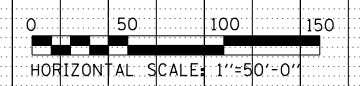
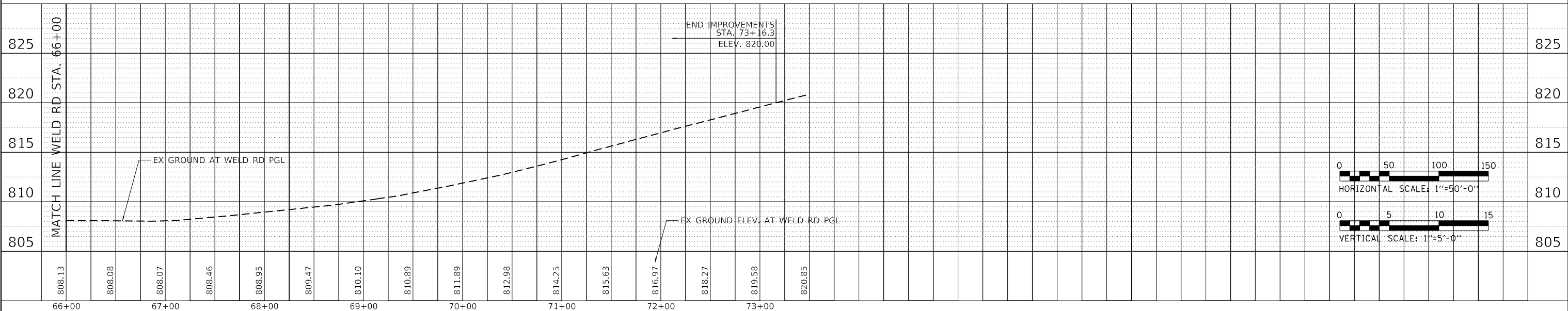
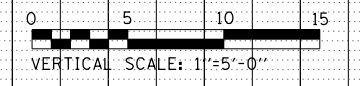
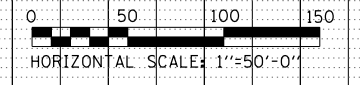
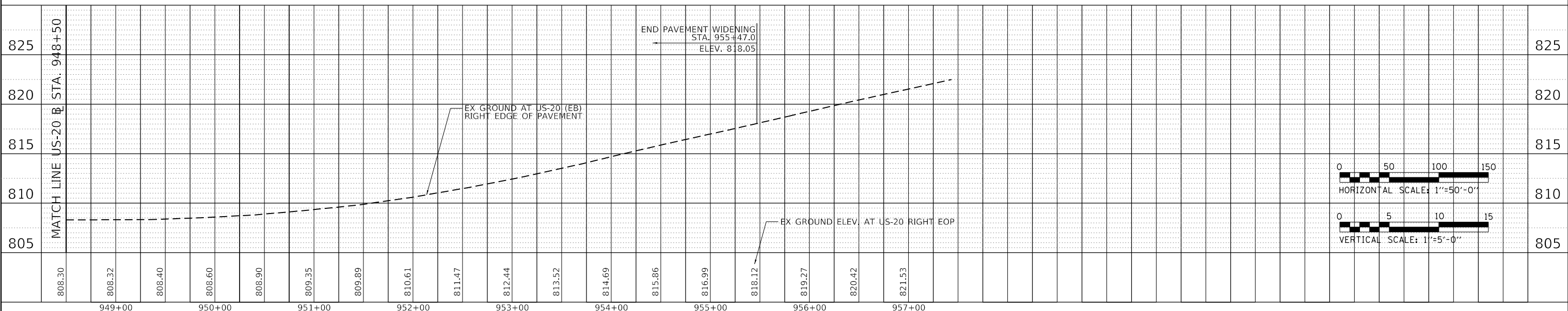
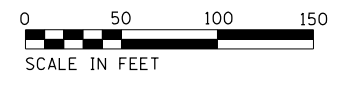
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	NOTE BOOK NO.	
	CADD FILE NAME	

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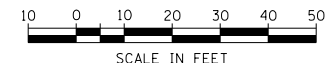


NOTES

- 1. SEE PROPOSED ROADWAY PLAN AND PROFILE SHEET 1 FOR LEGEND.



HDR 8550 W. BRYN MAWR AVE. CHICAGO, IL 60631	USER NAME = RROGERS	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED ROADWAY PLAN AND PROFILE US-20 AND WELD ROAD		F.A.P. R/E. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 43		
	PLOT SCALE = 100.0000' / in.	CHECKED - DWW	REVISED -		SCALE: 1" = 50'	SHEET 9 OF 9 SHEETS	STA. SEE PLANS TO STA. SEE PLANS	CONTRACT NO. 61F57					
	PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								



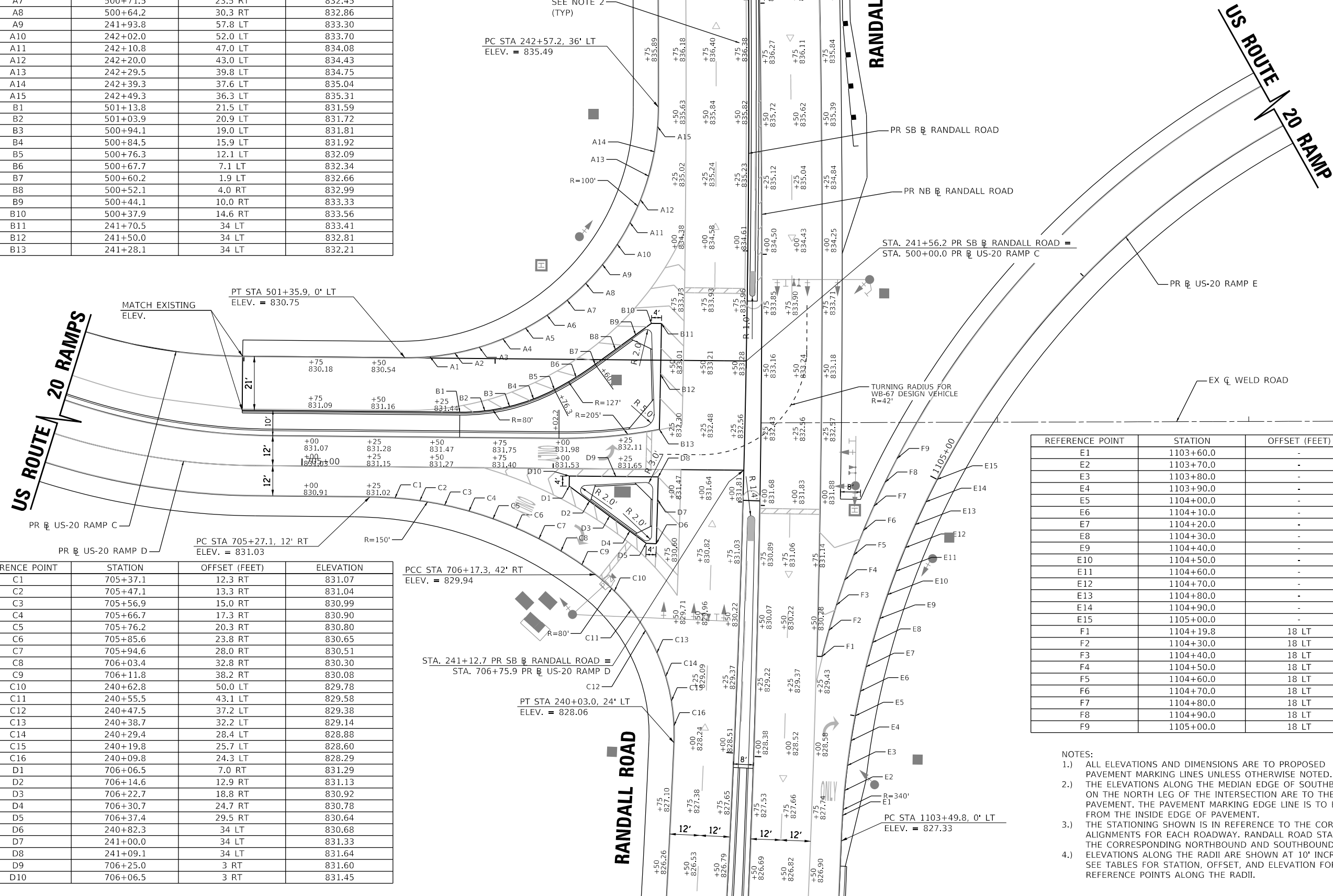
REFERENCE POINT	STATION	OFFSET (FEET)	ELEVATION
A1	501+25.9	0.5 RT	830.91
A2	501+16.0	2.0 RT	831.11
A3	501+06.4	4.5 RT	831.35
A4	500+97.0	7.9 RT	831.56
A5	500+88.0	12.2 RT	831.82
A6	500+79.4	17.5 RT	832.09
A7	500+71.5	23.5 RT	832.45
A8	500+64.2	30.3 RT	832.86
A9	241+93.8	57.8 LT	833.30
A10	242+02.0	52.0 LT	833.70
A11	242+10.8	47.0 LT	834.08
A12	242+20.0	43.0 LT	834.43
A13	242+29.5	39.8 LT	834.75
A14	242+39.3	37.6 LT	835.04
A15	242+49.3	36.3 LT	835.31
B1	501+13.8	21.5 LT	831.59
B2	501+03.9	20.9 LT	831.72
B3	500+94.1	19.0 LT	831.81
B4	500+84.5	15.9 LT	831.92
B5	500+76.3	12.1 LT	832.09
B6	500+67.7	7.1 LT	832.34
B7	500+60.2	1.9 LT	832.66
B8	500+52.1	4.0 RT	832.99
B9	500+44.1	10.0 RT	833.33
B10	500+37.9	14.6 RT	833.56
B11	241+70.5	34 LT	833.41
B12	241+50.0	34 LT	832.81
B13	241+28.1	34 LT	832.21

REFERENCE POINT	STATION	OFFSET (FEET)	ELEVATION
C1	705+37.1	12.3 RT	831.07
C2	705+47.1	13.3 RT	831.04
C3	705+56.9	15.0 RT	830.99
C4	705+66.7	17.3 RT	830.90
C5	705+76.2	20.3 RT	830.80
C6	705+85.6	23.8 RT	830.65
C7	705+94.6	28.0 RT	830.51
C8	706+03.4	32.8 RT	830.30
C9	706+11.8	38.2 RT	830.08
C10	240+62.8	50.0 LT	829.78
C11	240+55.5	43.1 LT	829.58
C12	240+47.5	37.2 LT	829.38
C13	240+38.7	32.2 LT	829.14
C14	240+29.4	28.4 LT	828.88
C15	240+19.8	25.7 LT	828.60
C16	240+09.8	24.3 LT	828.29
D1	706+06.5	7.0 RT	831.29
D2	706+14.6	12.9 RT	831.13
D3	706+22.7	18.8 RT	830.92
D4	706+30.7	24.7 RT	830.78
D5	706+37.4	29.5 RT	830.64
D6	240+82.3	34 LT	830.68
D7	241+00.0	34 LT	831.33
D8	241+09.1	34 LT	831.64
D9	706+25.0	3 RT	831.60
D10	706+06.5	3 RT	831.45

REFERENCE POINT	STATION	OFFSET (FEET)	ELEVATION
E1	1103+60.0	-	827.67
E2	1103+70.0	-	828.00
E3	1103+80.0	-	828.33
E4	1103+90.0	-	828.67
E5	1104+00.0	-	829.00
E6	1104+10.0	-	829.33
E7	1104+20.0	-	829.65
E8	1104+30.0	-	829.94
E9	1104+40.0	-	830.20
E10	1104+50.0	-	830.42
E11	1104+60.0	-	830.62
E12	1104+70.0	-	830.78
E13	1104+80.0	-	830.92
E14	1104+90.0	-	831.03
E15	1105+00.0	-	831.10
F1	1104+19.8	18 LT	829.92
F2	1104+30.0	18 LT	830.21
F3	1104+40.0	18 LT	830.47
F4	1104+50.0	18 LT	830.69
F5	1104+60.0	18 LT	830.89
F6	1104+70.0	18 LT	831.07
F7	1104+80.0	18 LT	831.26
F8	1104+90.0	18 LT	831.43
F9	1105+00.0	18 LT	831.57

- NOTES:
- 1.) ALL ELEVATIONS AND DIMENSIONS ARE TO PROPOSED PAVEMENT MARKING LINES UNLESS OTHERWISE NOTED.
 - 2.) THE ELEVATIONS ALONG THE MEDIAN EDGE OF SOUTHBOUND RANDALL ROAD ON THE NORTH LEG OF THE INTERSECTION ARE TO THE INSIDE EDGE OF PAVEMENT. THE PAVEMENT MARKING EDGE LINE IS TO BE 1' OFFSET FROM THE INSIDE EDGE OF PAVEMENT.
 - 3.) THE STATIONING SHOWN IS IN REFERENCE TO THE CORRESPONDING ALIGNMENTS FOR EACH ROADWAY. RANDALL ROAD STATIONING IS TO THE CORRESPONDING NORTHBOUND AND SOUTHBOUND BASELINES. ELEVATIONS ALONG THE RADII ARE SHOWN AT 10' INCREMENTS. SEE TABLES FOR STATION, OFFSET, AND ELEVATION FOR REFERENCE POINTS ALONG THE RADII.
 - 4.)

US ROUTE 20 RAMP C
US ROUTE 20 RAMP D



MODEL: Default
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 SHEETS: 354 OF 44
 DATE: 01/03/2019
 USER: RROGERS
 DESIGNED: AKS
 DRAWN: TBH
 CHECKED: DWW
 DATE: 01-03-19



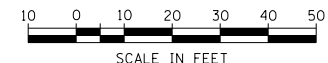
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	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

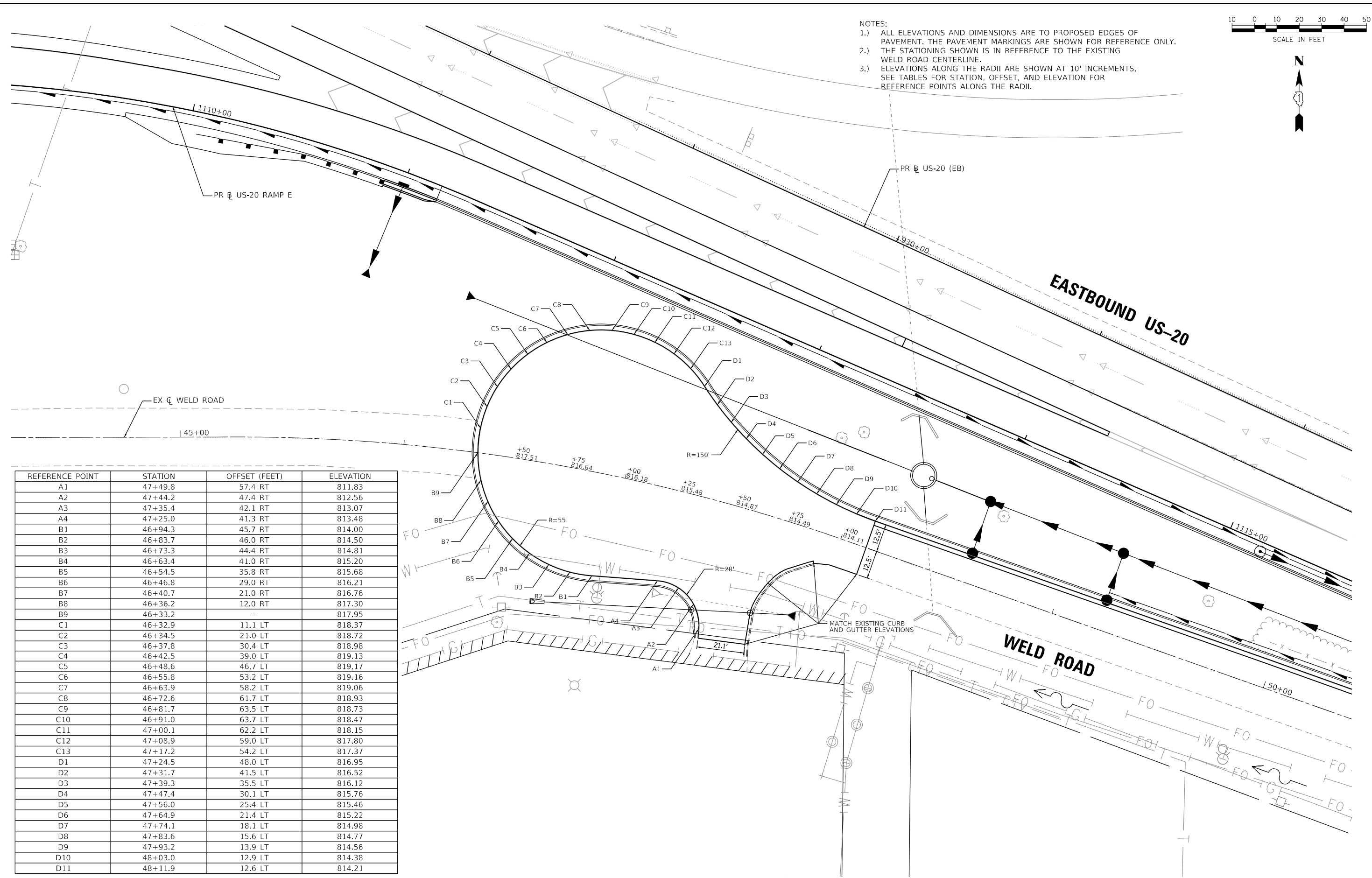
**RANDALL ROAD AT US ROUTE 20
INTERSECTION PAVING PLAN**

SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	44
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:
- 1.) ALL ELEVATIONS AND DIMENSIONS ARE TO PROPOSED EDGES OF PAVEMENT. THE PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE ONLY.
 - 2.) THE STATIONING SHOWN IS IN REFERENCE TO THE EXISTING WELD ROAD CENTERLINE.
 - 3.) ELEVATIONS ALONG THE RADII ARE SHOWN AT 10' INCREMENTS. SEE TABLES FOR STATION, OFFSET, AND ELEVATION FOR REFERENCE POINTS ALONG THE RADII.



REFERENCE POINT	STATION	OFFSET (FEET)	ELEVATION
A1	47+49.8	57.4 RT	811.83
A2	47+44.2	47.4 RT	812.56
A3	47+35.4	42.1 RT	813.07
A4	47+25.0	41.3 RT	813.48
B1	46+94.3	45.7 RT	814.00
B2	46+83.7	46.0 RT	814.50
B3	46+73.3	44.4 RT	814.81
B4	46+63.4	41.0 RT	815.20
B5	46+54.5	35.8 RT	815.68
B6	46+46.8	29.0 RT	816.21
B7	46+40.7	21.0 RT	816.76
B8	46+36.2	12.0 RT	817.30
B9	46+33.2	-	817.95
C1	46+32.9	11.1 LT	818.37
C2	46+34.5	21.0 LT	818.72
C3	46+37.8	30.4 LT	818.98
C4	46+42.5	39.0 LT	819.13
C5	46+48.6	46.7 LT	819.17
C6	46+55.8	53.2 LT	819.16
C7	46+63.9	58.2 LT	819.06
C8	46+72.6	61.7 LT	818.93
C9	46+81.7	63.5 LT	818.73
C10	46+91.0	63.7 LT	818.47
C11	47+00.1	62.2 LT	818.15
C12	47+08.9	59.0 LT	817.80
C13	47+17.2	54.2 LT	817.37
D1	47+24.5	48.0 LT	816.95
D2	47+31.7	41.5 LT	816.52
D3	47+39.3	35.5 LT	816.12
D4	47+47.4	30.1 LT	815.76
D5	47+56.0	25.4 LT	815.46
D6	47+64.9	21.4 LT	815.22
D7	47+74.1	18.1 LT	814.98
D8	47+83.6	15.6 LT	814.77
D9	47+93.2	13.9 LT	814.56
D10	48+03.0	12.9 LT	814.38
D11	48+11.9	12.6 LT	814.21

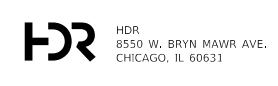
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WELD ROAD
CUL-DE-SAC PAVING PLAN**

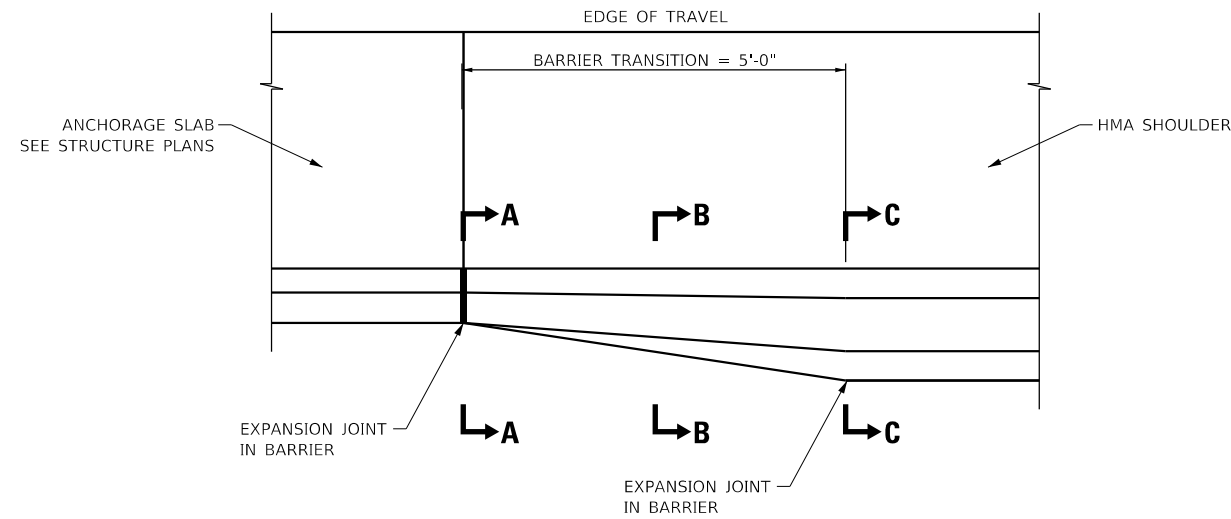
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	45
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

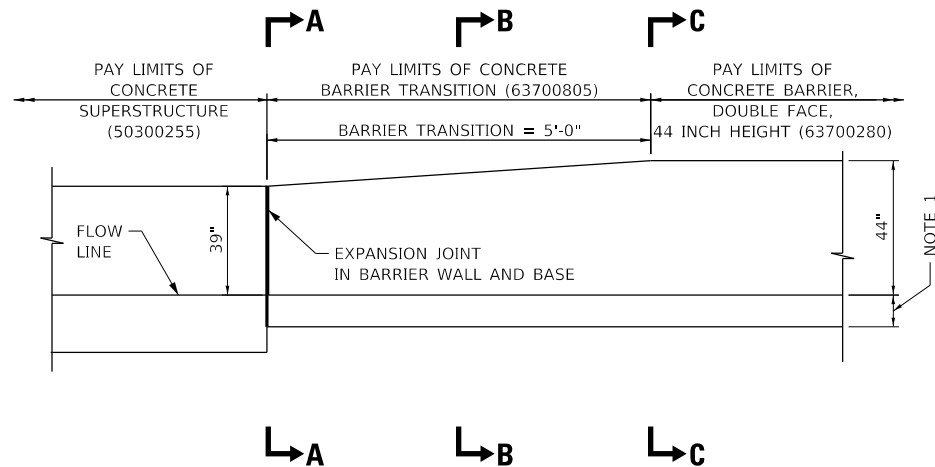
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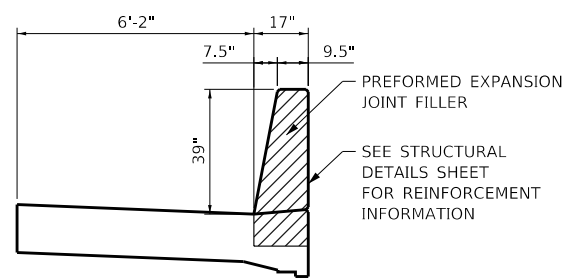
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	DATE - 01-03-19	REVISED -



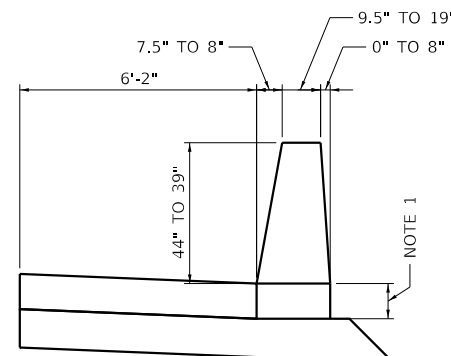
CONCRETE BARRIER TRANSITION PLAN



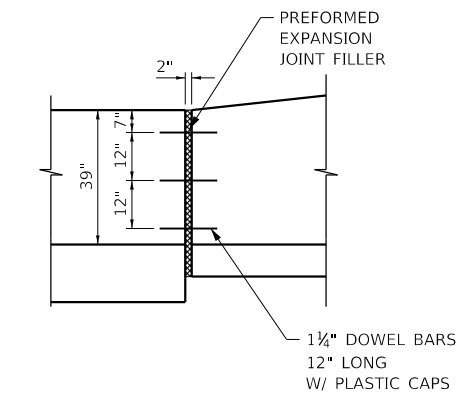
CONCRETE BARRIER TRANSITION PROFILE - INSIDE FACE OF BARRIER SHOWN



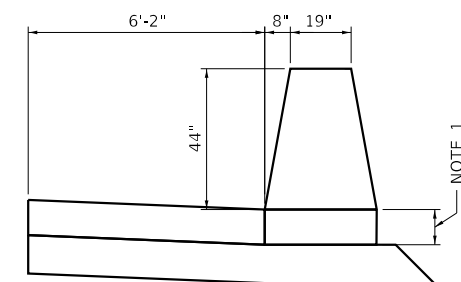
SECTION A-A



SECTION B-B



EXPANSION JOINT AT SECTION A-A



SECTION C-C

NOTES:

1. THE BARRIER BASE THICKNESS SHALL BE 10 INCHES WHEN THE BARRIER IS CONFINED BY EARTH.
2. 1" DEEP CONTRACTION JOINTS SHALL BE CONSTRUCTED IN BOTH THE REINFORCED CONCRETE BARRIER WALL AND BASE. MAXIMUM JOINT SPACING SHALL BE 20 FEET.
3. THE FORMING OF CONTRACTION JOINTS SHALL BE DONE WITH AN APPROVED FINISHING TOOL OR BY SAWING AT THE DISCRETION OF THE ENGINEER SUBJECT TO THE SATISFACTORY CONTROL OF CRACKING.
4. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AND BASE WHERE THE BARRIER TRANSITION MEETS THE PARAPET AND ANCHORAGE SLAB. SEE SECTION A-A FOR DETAILS.
5. THE DOWEL BARS NEEDED FOR THE EXPANSION JOINT AT SECTION A-A SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER TRANSITION.

	STA FROM	STA TO
LOCATION 1	1111+11.3	1111+16.3
LOCATION 2	1120+55.0	1120+60.0

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MOT GENERAL NOTES

1. THE SUGGESTED MAINTENANCE OF TRAFFIC CONTROL DEPICTED HERE IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE CURRENT VERSION OF THE IDOT HIGHWAY STANDARDS, THE CURRENT VERSION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
2. WHEN NECESSARY, EXISTING TRAFFIC CONTROL DEVICES SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. WHEN A SIGN IS COVERED, THE POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.
3. THE CONTRACTOR MUST COORDINATE ALL LANE CLOSURES WITH THE ENGINEER.
4. ALL TYPE II BARRICADES, VERTICAL PANELS, AND DRUMS SHALL BE SPACED AT MAXIMUM 50 FEET CENTER TO CENTER THROUGHOUT THE WORK ZONE, EXCEPT IN TAPER AREAS, GORE AREAS, AND ALONG CORNER RADII. SEE SPACING REQUIREMENTS DESCRIBED ON THE TEMPORARY PAVEMENT MARKING LEGEND FOR ADDITIONAL DETAILS.
5. ALL CONSTRUCTION WARNING SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND.
6. DIRECTION INDICATOR BARRICADES SHALL BE USED AT LANE CLOSURE TAPER LOCATIONS.
7. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES AT ANY TIME.
8. AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL BACKFILL OR COVER ALL OPEN TRENCHES AND EXCAVATION HOLES IN ACCORDANCE WITH IDOT SAFETY ENGINEERING POLICY MEMORANDUM "SAFETY 4-15" IN ORDER TO PROVIDE A SAFE CONDITION FOR MOTORISTS AND THE PUBLIC DURING NON-WORKING HOURS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE LOCATED ON EACH APPROACH LEG TO THE RANDALL ROAD AT US ROUTE 20 INTERSECTION THROUGHOUT THE DURATION OF THE PROJECT. THE EXACT LOCATION AND MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR "CHANGEABLE MESSAGE SIGN".
10. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST TWO (2) WEEKS PRIOR TO THE DAY A STAGE CHANGE WILL TAKE EFFECT. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
11. COORDINATION OF MAINTENANCE OF TRAFFIC: THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT OTHER SEPARATE CONTRACTS ARE, OR MAY BE, IN FORCE THAT INTERSECT THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THE OTHER CONTRACTORS IN THE PHASING AND PERFORMANCE OF THIS WORK SO AS NOT TO DELAY, INTERRUPT, OR HINDER THE PROGRESS OR COMPLETION OF THE WORK BEING PERFORMED BY OTHER CONTRACTORS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS, NOR FOR ANY DELAYS OR INCONVENIENCES RESULTING FROM THE ACTIVITIES OF OTHER CONTRACTORS. SHOULD A CONFLICT ARISE BETWEEN THE CONTRACTORS WITH RESPECT TO SEQUENCE OF CONSTRUCTION OR MAINTENANCE OF TRAFFIC REQUIREMENTS, SAID CONFLICTS SHALL BE RESOLVED BY, OR AT THE DIRECTION OF THE ENGINEER.
12. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
13. WHEN WEATHER CONDITIONS FALL OUTSIDE THE TEMPERATURE RESTRICTIONS STATED IN THE MANUFACTURERS SPECIFICATIONS FOR INSTALLING THE PAVEMENT MARKING TAPE, THE CONTRACTOR (WITH APPROVAL FROM THE ENGINEER) SHALL USE AN ALTERNATE MATERIAL FOR TEMPORARY PAVEMENT MARKINGS AT NO ADDITIONAL COST TO THE CONTRACT. THE SUBSTITUTE PAVEMENT MARKING INSTALLATION AND REMOVAL SHALL BE PAID FOR AS TEMPORARY PAVEMENT MARKING - OF THE WIDTH SPECIFIED AND WORK ZONE PAVEMENT MARKING REMOVAL RESPECTIVELY. NO ADDITIONAL COMPENSATION WILL BE PROVIDED TO THE CONTRACTOR.
14. FOR SIDE ROADS WITHIN THE LIMITS OF THE ADVANCE SIGNING BUT NOT SHOWN ON THE MAINTENANCE OF TRAFFIC PLAN SHEETS, CONTRACTOR SHALL PLACE "ROAD CONSTRUCTION AHEAD" SIGNS PER IDOT DISTRICT ONE STANDARD TC-10.
15. THE "WORKERS" (W21-1(O)-48) SIGNS SHALL BE COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
16. ONE (1) LANE IN EACH DIRECTION CAN BE CLOSED IN COMPLIANCE WITH CLOSURE REQUIREMENTS IN ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS ON RANDALL ROAD & EASTBOUND US-20 FROM 9 A.M. TO 3 P.M. OR AS DIRECTED BY THE ENGINEER. NIGHT WORK IS PERMITTED WITH THE APPROVAL OF THE ENGINEER. NIGHT WORK IS DEFINED AS WORK BETWEEN 7 P.M. AND 7 A.M.
17. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY TEMPORARY SIGNAGE, TEMPORARY ACCESS PATHS, OR OTHER ITEMS NEEDED TO REROUTE PEDESTRIAN TRAFFIC AROUND WORK ZONES SHALL BE APPROVED BY THE ENGINEER. THE COST FOR THIS WORK WILL BE INCLUDED IN THE LUMP SUM UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
18. CONTRACTOR TO MAINTAIN ALL DRIVEWAYS TO PROVIDE ACCESS TO ALL PROPERTIES DURING CONSTRUCTION AT ALL TIMES. WORK TO BE PAID FOR AS TEMPORARY ACCESS OF THE ENTRANCE TYPE SPECIFIED.

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	PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -			CONTRACT NO. 61F57					
					SCALE: N/A	SHEET 1 OF 17 SHEETS		STA. N/A		TO STA. N/A	
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

MOT SEQUENCE

PRE-STAGE

CONSTRUCTION:

1. REMOVE RUMBLE STRIPS FROM EASTBOUND US-20 INSIDE SHOULDER AND PLACE HMA SURFACE COURSE.
2. INSTALL CULVERTS AT US-20 RAMP C AND US-20 RAMP D.
3. PERFORM MILLING OF EXISTING HMA SURFACE COURSE PER THE PROPOSED RESURFACING LOCATIONS ON RANDALL ROAD AND US-20 RAMP C AND RAMP D.
4. INSTALL PROPOSED LATERAL STORM SEWER, PAVEMENT PATCHES, DRAINAGE INLET, AND RELATED TASKS ALONG NORTHBOUND RANDALL ROAD MEDIAN.
5. CONSTRUCT FULL-DEPTH PAVEMENT ON NORTHBOUND RANDALL ROAD MEDIAN SOUTH OF THE RANDALL ROAD AND WELD ROAD (EAST) INTERSECTION. DO NOT INSTALL HMA SURFACE COURSE.
6. INSTALL PROPOSED HMA BINDER COURSE ON RANDALL ROAD AND US-20 RAMP C AND RAMP D.
7. INSTALL TEMPORARY LIGHT POLES ALONG NORTHBOUND RANDALL ROAD.
8. INSTALL TEMPORARY SIGNALS.

TRAFFIC:

1. LANE/SHOULDER CLOSURES AS NEEDED TO PERFORM WORK UTILIZING APPLICABLE STANDARDS.

STAGE 1

CONSTRUCTION:

1. RELOCATE EXISTING INTERCONNECT HAND HOLES ALONG US-20 RAMP D.
2. CONSTRUCT PERMANENT PAVEMENT AND RELATED TASKS ON SOUTHBOUND RANDALL ROAD, US-20 ENTRANCE RAMP C FROM SOUTHBOUND RANDALL ROAD TO EASTBOUND US-20, AND US-20 EXIT RAMP D FROM EASTBOUND US-20 TO RANDALL ROAD. DO NOT INSTALL HMA SURFACE COURSE.
3. ADJUST FIRE HYDRANT AND VALVE BOX NEAR WELD ROAD PROPOSED CUL-DE-SAC.
4. INSTALL CULVERTS AT WELD ROAD PROPOSED CUL-DE-SAC. EXTEND EXISTING CULVERT UNDER US-20, US-20 RAMP E AND WELD ROAD TO OTTER CREEK AND INSTALL 10' MANHOLE.
5. INSTALL RETAINING WALL AND ANCHORAGE SLAB ALONG US-20 ENTRANCE RAMP E.
6. INSTALL CURB AND GUTTER, STORM SEWER, PAVEMENT PATCHES, DRAINAGE INLETS, OUTLETS, DITCHES AND RELATED TASKS ALONG NORTHBOUND RANDALL ROAD, US-20, US-20 RAMP E, AND WELD ROAD AT WORK ZONE PROVIDED AREAS.
7. CONSTRUCT PERMANENT PAVEMENT AND RELATED TASKS ON NORTHBOUND RANDALL ROAD, EASTBOUND US-20, US-20 ENTRANCE RAMP E FROM NORTHBOUND RANDALL ROAD TO EASTBOUND US-20, WELD ROAD, AND WELD ROAD PROPOSED CUL-DE-SAC. INSTALL HMA SURFACE COURSE ON EASTBOUND US-20, US-20 RAMP E, AND WELD ROAD ONLY.
8. INSTALL PROPOSED LIGHT POLES ALONG NORTHBOUND RANDALL ROAD, SOUTHBOUND RANDALL ROAD AND US-20 RAMP E. REMOVE TEMPORARY LIGHT POLES ALONG NORTHBOUND RANDALL ROAD.
9. INSTALL GUARDRAIL.
10. INSTALL RUMBLE STRIPS ON EASTBOUND US-20 INSIDE SHOULDER AT THE END OF STAGE 1 WHEN TRAFFIC IS NO LONGER UTILIZING THE INSIDE SHOULDER.

TRAFFIC:

1. WORK ZONE SPEED LIMIT 35 MPH ON RANDALL ROAD.
2. LANE WIDTHS REDUCED. LEFT TURN LANE FROM SOUTHBOUND RANDALL ROAD TO EASTBOUND WELD ROAD CLOSED. THRU LANE FROM EASTBOUND US-20 RAMP D TO TO WELD ROAD CLOSED.
3. WORK ZONE SPEED LIMIT 45 MPH ON EASTBOUND US-20.
4. EASTBOUND US-20 TRAVEL LANES REDUCED AND SHIFTED ONTO THE INSIDE SHOULDER. TRAFFIC ENTERING EASTBOUND US-20 FROM ON-RAMP US-20 RAMP C ARE TO YIELD TO US-20 TRAFFIC. LANE WIDTHS REDUCED ON US-20 RAMPS C AND D.
5. WELD ROAD PERMANENTLY CLOSED FROM RANDALL ROAD INTERSECTION. ACCESS TO WELD ROAD WILL BE TEMPORARILY CLOSED FROM WEST OF GALE STREET TO THE PARKING LOT ENTRANCE.
6. TEMPORARY SIGNALS UTILIZED. TRAFFIC SIGNAL HEADS TO BE ADJUSTED AS NEEDED AND SIGNALS RETIMED.
7. UTILIZE TRAFFIC CONTROL STANDARDS LISTED IN SPECIAL PROVISIONS, THE MUTCD AND AS DIRECTED BY THE ENGINEER.

STAGE 2

CONSTRUCTION:

1. CONSTRUCT PERMANENT PAVEMENT, CURB AND GUTTER, CONCRETE MEDIANS AND RELATED TASKS ON RANDALL ROAD MEDIANS. DO NOT INSTALL HMA SURFACE COURSE.
2. CONSTRUCT PERMANENT PAVEMENT, CURB AND GUTTER, CHANNELIZING ISLAND AND RELATED TASKS ON MEDIAN BETWEEN US-20 RAMP C AND US-20 RAMP D. DO NOT INSTALL HMA SURFACE COURSE.

TRAFFIC:

1. WORK ZONE SPEED LIMIT 35 MPH ON RANDALL ROAD.
2. LANE WIDTHS REMAIN REDUCED. US-20 ENTRANCE RAMP E OPENED. TRAFFIC PARTIALLY SHIFTED ON NORTHBOUND RANDALL ROAD, SOUTHBOUND RANDALL ROAD, US-20 RAMP C AND US-20 RAMP D SHOULDER.
3. TRAFFIC SIGNAL HEADS TO BE ADJUSTED AS NEEDED AND SIGNALS RETIMED.
4. UTILIZE TRAFFIC CONTROL STANDARDS LISTED IN SPECIAL PROVISIONS, THE MUTCD AND AS DIRECTED BY THE ENGINEER.

STAGE 2A

CONSTRUCTION:

1. CONSTRUCT PERMANENT PAVEMENT, CHANNELIZING ISLAND AND RELATED TASKS AT THE RANDALL ROAD AND US-20 RAMP D INTERSECTION.

TRAFFIC:

1. WORK ZONE SPEED LIMIT 35 MPH ON RANDALL ROAD.
2. TRAFFIC SHIFTED TO PERMANENT LANE LOCATIONS ON RANDALL ROAD AND US-20 RAMP C. LANE/SHOULDER CLOSURES AS NEEDED TO CONSTRUCT REMAINING WORK USING APPLICABLE STANDARDS.
3. TRAFFIC SIGNAL HEADS TO BE ADJUSTED AS NEEDED AND SIGNALS RETIMED.

POST STAGE

CONSTRUCTION:

1. PLACE HMA SURFACE COURSE ON RANDALL ROAD AND US-20 RAMPS C AND D.
2. INSTALL FINAL PAVEMENT MARKINGS AND SIGNS.
3. INSTALL PROPOSED TRAFFIC SIGNALS. REMOVE TEMPORARY SIGNALS.
4. CONSTRUCT FINAL GRADING AND PROPOSED LANDSCAPING.

TRAFFIC:

1. TRAFFIC SHIFTED TO PERMANENT LANES ON RANDALL ROAD AND US-20 RAMPS. LANE/SHOULDER CLOSURES AS NEEDED TO CONSTRUCT REMAINING WORK USING APPLICABLE STANDARDS.

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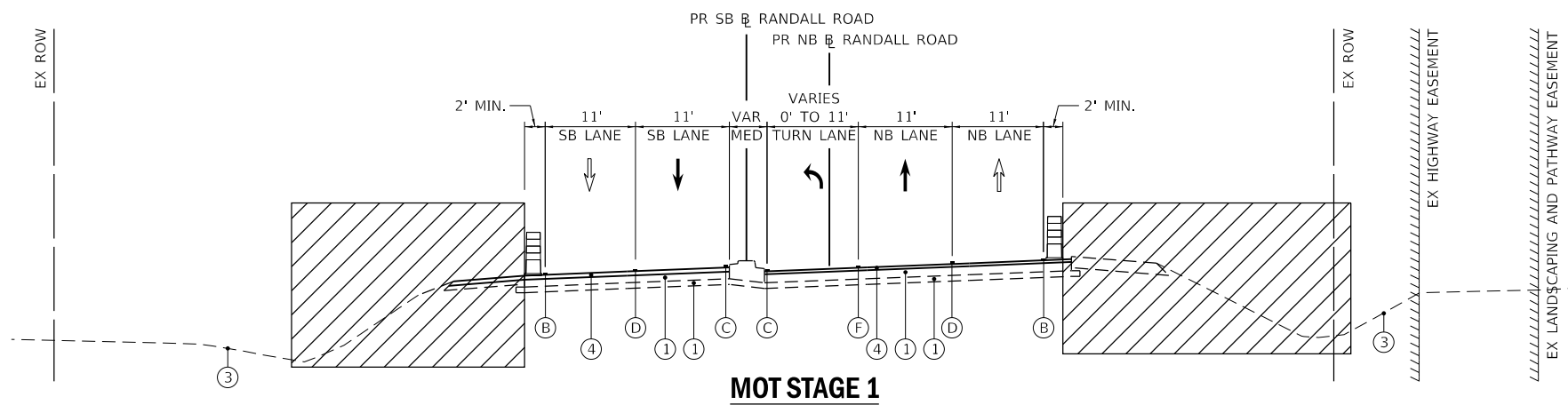
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
SEQUENCE**

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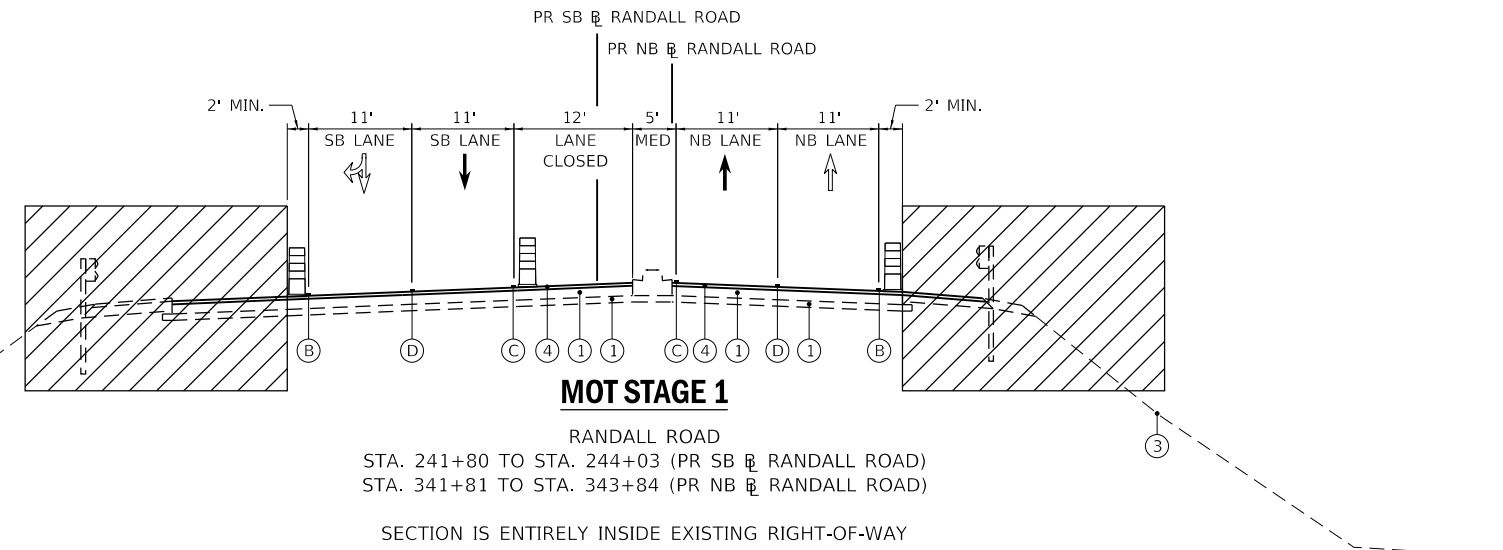
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CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MOT STAGE 1

RANDALL ROAD
 STA. 232+50 TO STA. 241+80 (PR SB RANDALL ROAD)
 STA. 332+50 TO STA. 341+81 (PR NB RANDALL ROAD)

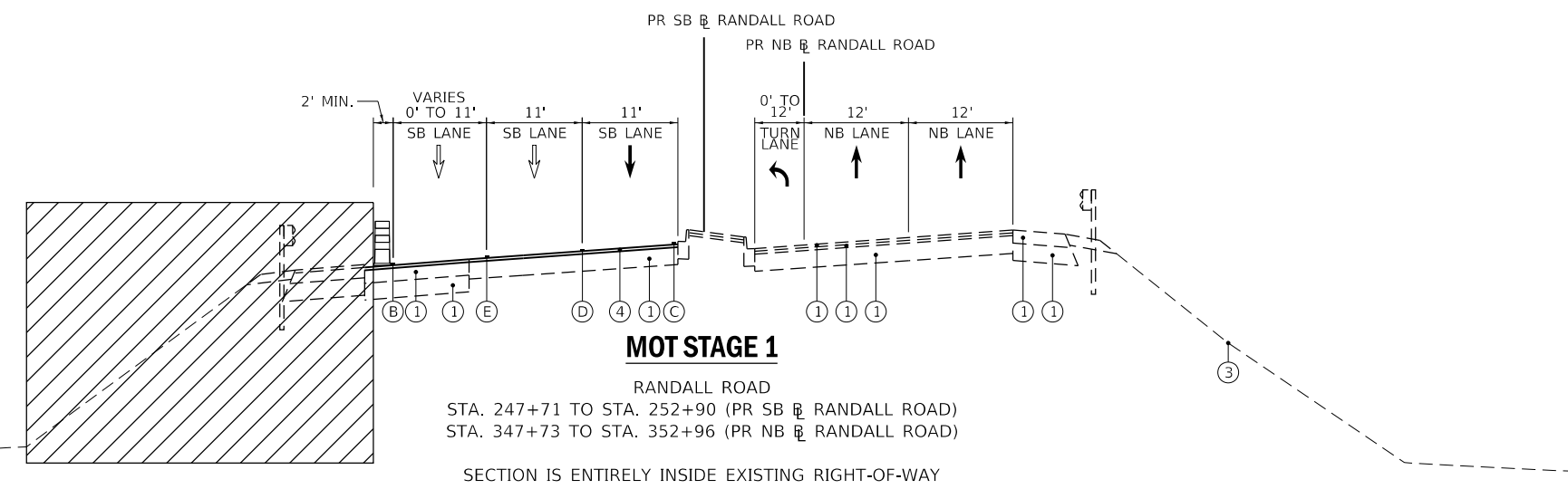
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 STA. 341+10 TO STA. 341+81 (PR NB RANDALL ROAD)



MOT STAGE 1

RANDALL ROAD
 STA. 241+80 TO STA. 244+03 (PR SB RANDALL ROAD)
 STA. 341+81 TO STA. 343+84 (PR NB RANDALL ROAD)

SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY



MOT STAGE 1

RANDALL ROAD
 STA. 247+71 TO STA. 252+90 (PR SB RANDALL ROAD)
 STA. 347+73 TO STA. 352+96 (PR NB RANDALL ROAD)

SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY

MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)

LEGEND

- (1) EXISTING PAVEMENT
- (2) TEMPORARY EARTHWORK
- (3) EXISTING GROUND
- (4) PROPOSED PAVEMENT
- [Hatched Box] WORK ZONE
- [Cross-hatched Box] PREVIOUSLY CONSTRUCTED RESURFACED SHOULDER
- [Arrow] DIRECTION OF TRAFFIC
- [Up Arrow] DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE)
- [Barrier Symbol] TEMPORARY CONCRETE BARRIER
- [Vertical Panel Symbol] VERTICAL PANEL
- [Drum Symbol] DRUM

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 DATE - 01-03-19

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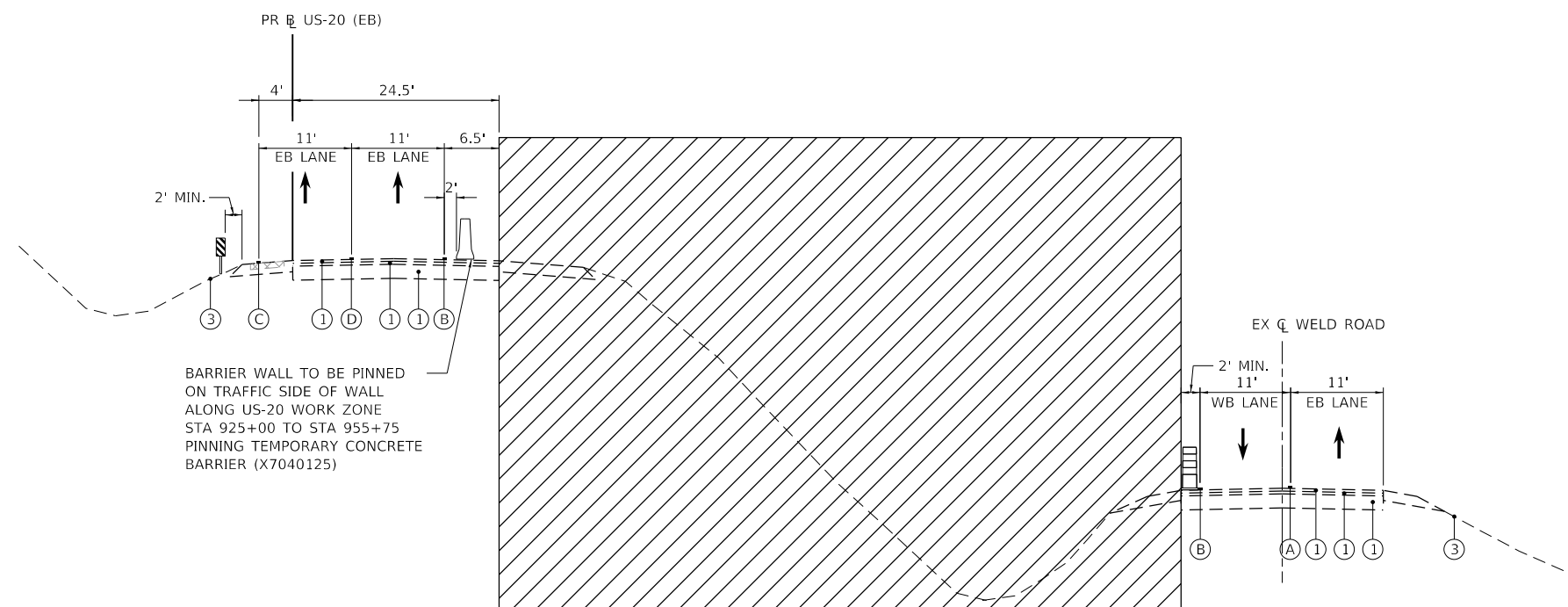
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS**

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F57				
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BARRIER WALL TO BE PINNED ON TRAFFIC SIDE OF WALL ALONG US-20 WORK ZONE STA 925+00 TO STA 955+75 PINNING TEMPORARY CONCRETE BARRIER (X7040125)

MOT STAGE 1

US-20 & WELD ROAD
 STA. 915+60 TO STA. 959+70 (PR US-20 (EB))
 STA. 51+50 TO STA. 73+50 (EX WELD ROAD)

SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY

LEGEND

- ① EXISTING PAVEMENT
- ② TEMPORARY EARTHWORK
- ③ EXISTING GROUND
- ④ PROPOSED PAVEMENT
- WORK ZONE
- PREVIOUSLY CONSTRUCTED RESURFACED SHOULDER
- DIRECTION OF TRAFFIC
- DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE)
- TEMPORARY CONCRETE BARRIER
- VERTICAL PANEL
- DRUM

MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)



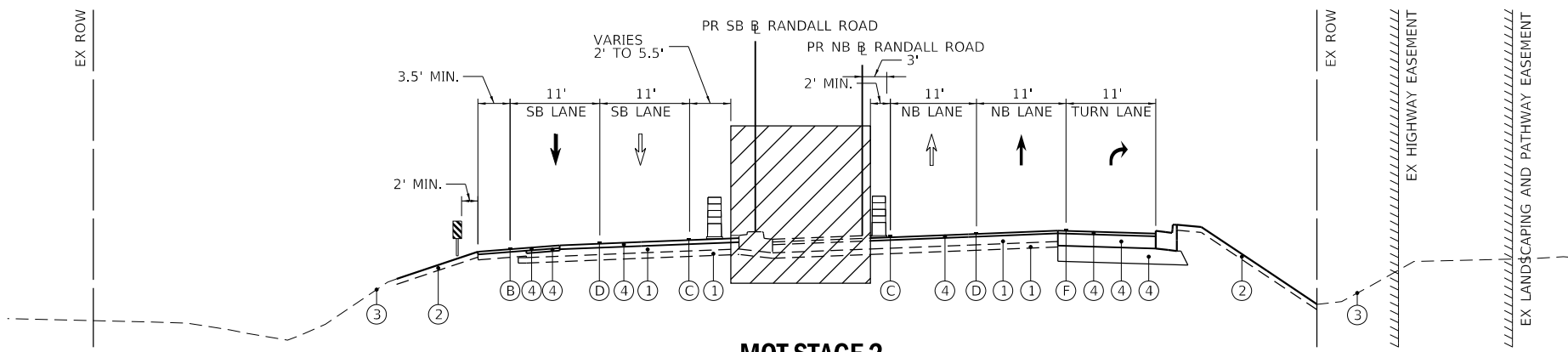
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS

SCALE: NTS SHEET 4 OF 17 SHEETS STA. N/A TO STA. N/A

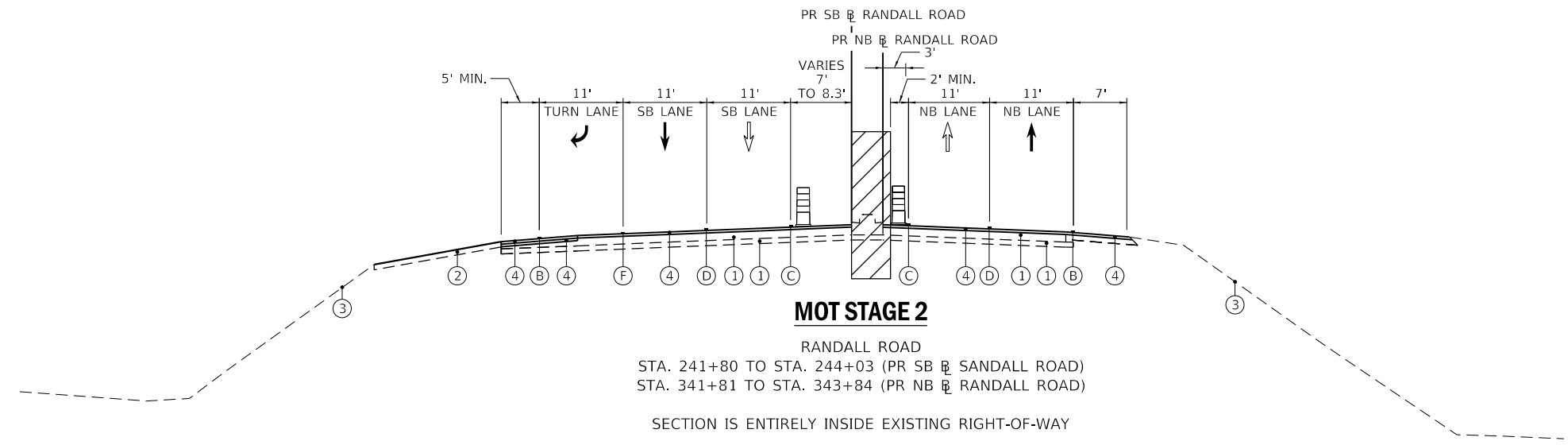
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CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MOT STAGE 2

RANDALL ROAD
 STA. 232+50 TO STA. 241+80 (PR SB R RANDALL ROAD)
 STA. 332+50 TO STA. 341+81 (PR NB R RANDALL ROAD)

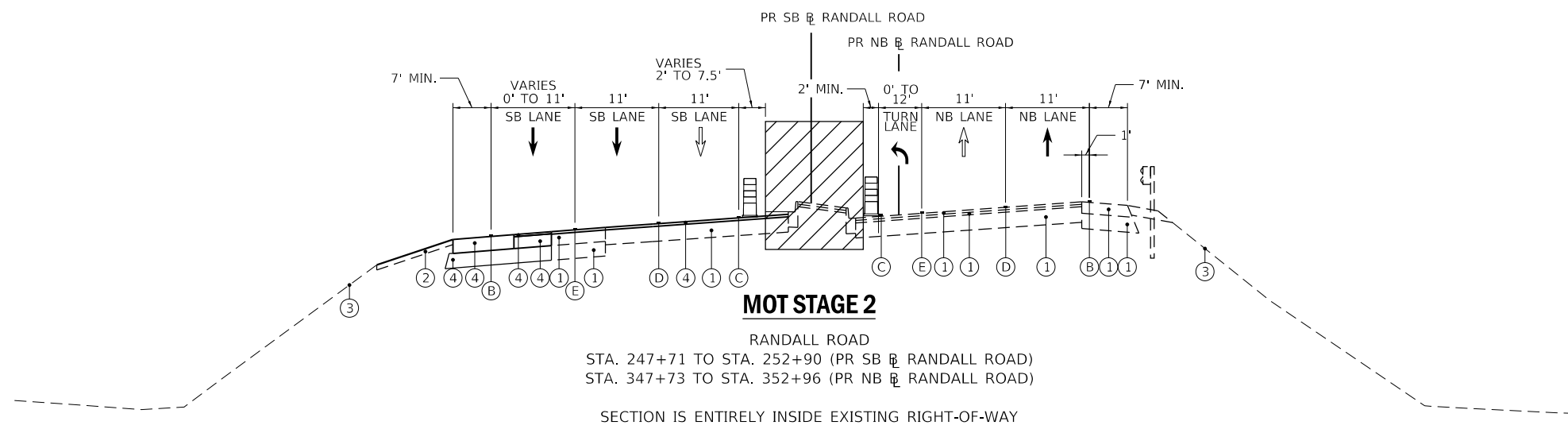
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MOT STAGE 2

RANDALL ROAD
 STA. 241+80 TO STA. 244+03 (PR SB R SANDALL ROAD)
 STA. 341+81 TO STA. 343+84 (PR NB R RANDALL ROAD)

SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY



MOT STAGE 2

RANDALL ROAD
 STA. 247+71 TO STA. 252+90 (PR SB R RANDALL ROAD)
 STA. 347+73 TO STA. 352+96 (PR NB R RANDALL ROAD)

SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY

MOT PROPOSED LEGEND

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- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)

LEGEND

- ① EXISTING PAVEMENT
- ② TEMPORARY EARTHWORK
- ③ EXISTING GROUND
- ④ PROPOSED PAVEMENT
- WORK ZONE
- PREVIOUSLY CONSTRUCTED RESURFACED SHOULDER
- DIRECTION OF TRAFFIC
- DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE)
- TEMPORARY CONCRETE BARRIER
- VERTICAL PANEL
- DRUM

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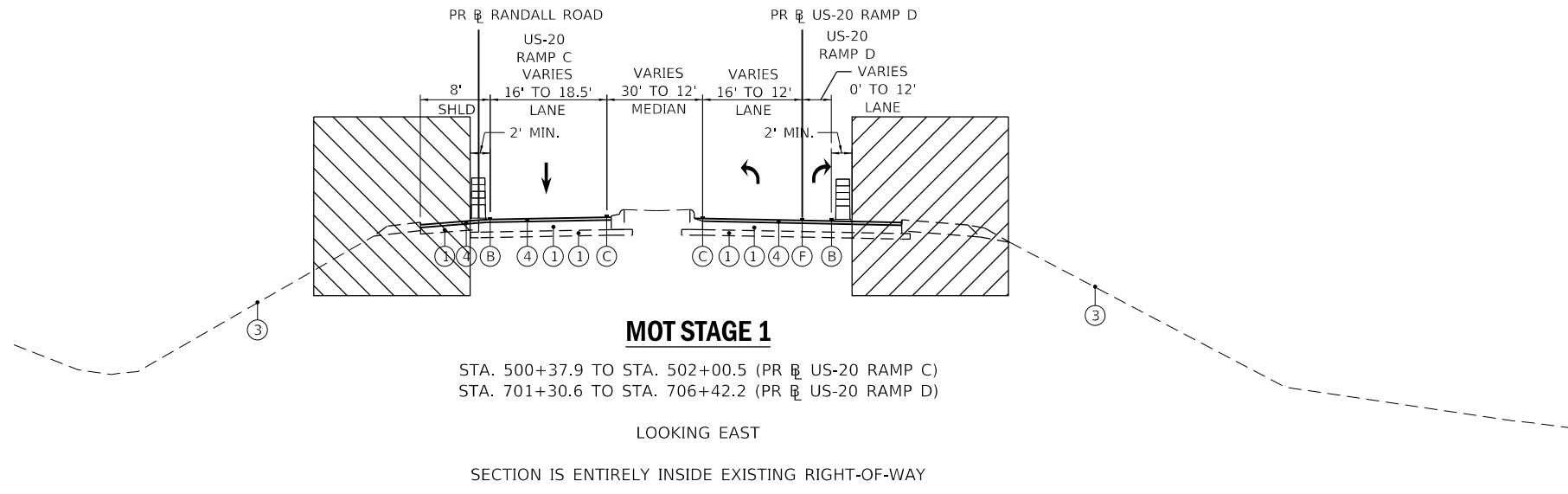
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC	
TYPICAL SECTIONS	
SCALE: NTS	SHEET 5 OF 17 SHEETS
STA. N/A	TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

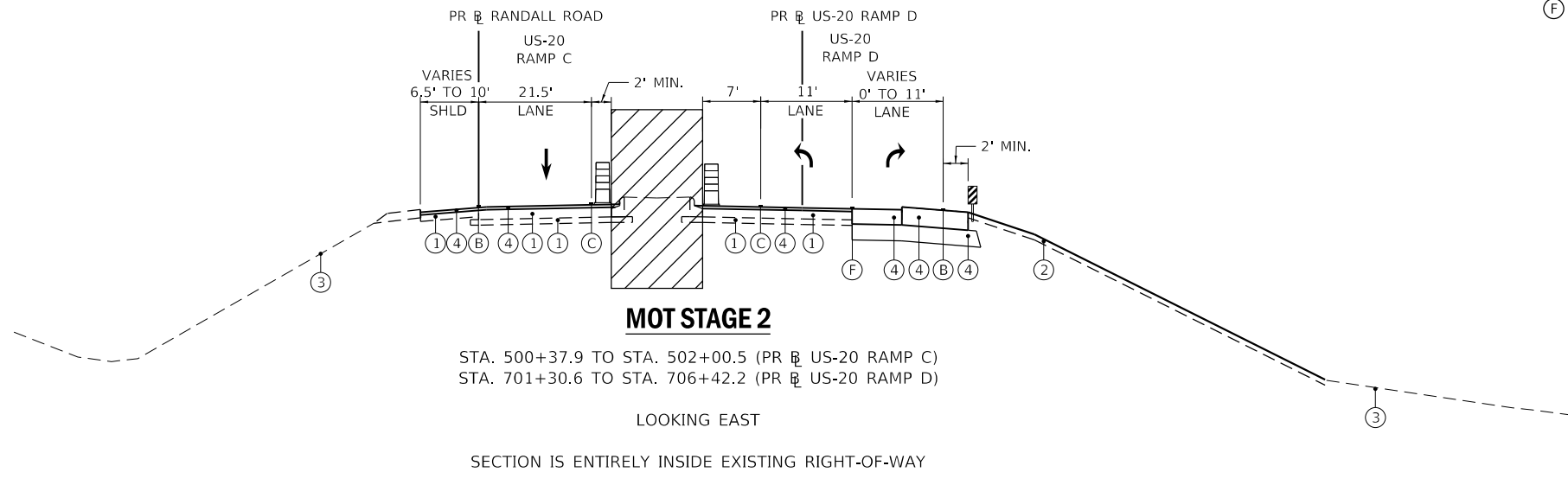


MOT STAGE 1

STA. 500+37.9 TO STA. 502+00.5 (PR US-20 RAMP C)
 STA. 701+30.6 TO STA. 706+42.2 (PR US-20 RAMP D)
 LOOKING EAST
 SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY

MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)



MOT STAGE 2

STA. 500+37.9 TO STA. 502+00.5 (PR US-20 RAMP C)
 STA. 701+30.6 TO STA. 706+42.2 (PR US-20 RAMP D)
 LOOKING EAST
 SECTION IS ENTIRELY INSIDE EXISTING RIGHT-OF-WAY

LEGEND

- (1) EXISTING PAVEMENT
- (2) TEMPORARY EARTHWORK
- (3) EXISTING GROUND
- (4) PROPOSED PAVEMENT
- [Hatched Box] WORK ZONE
- [Cross-hatched Box] PREVIOUSLY CONSTRUCTED RESURFACED SHOULDER
- [Arrow] DIRECTION OF TRAFFIC
- [Arrow with Dashed Line] DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE)
- [Barrier Symbol] TEMPORARY CONCRETE BARRIER
- [Vertical Panel Symbol] VERTICAL PANEL
- [Drum Symbol] DRUM

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HDR
 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

USER NAME = RROGERS	DESIGNED - AKS	REVISED -
DRAWN - AKS	REVISIONS -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS**

SCALE: NTS	SHEET 6 OF 17 SHEETS	STA. N/A	TO STA. N/A
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	52
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

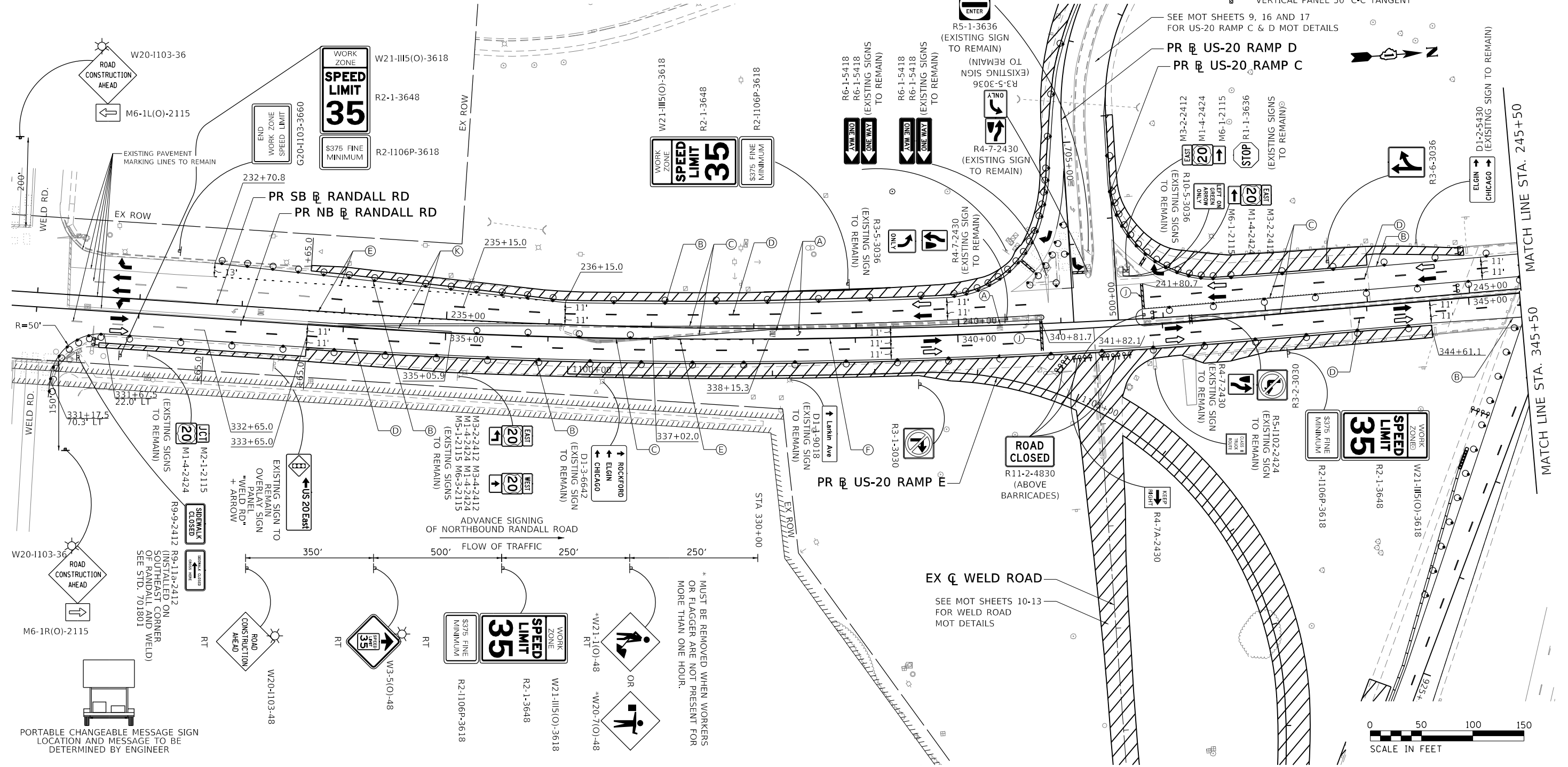
MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)

- (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908)
- (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912)
- (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912)
- (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924)
- (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)

MOT SYMBOL LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC
- DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE) SIGN
- TEMPORARY CONCRETE BARRIER (70400100)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260)
- DRUM
- RANDALL RD, WELD RD, US-20 RAMP
10' C-C RADII, 20' C-C TAPERS,
50' C-C TANGENTS
- US-20 MAINLINE
50' C-C TAPERS, 100' C-C TANGENTS
- VERTICAL PANEL 50' C-C TANGENT



MODEL: Default
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 USER: rrogers
 DATE: 01/03/2019
 PLOT SCALE: = 100.0000' / in.
 PLOT DATE: = 01/03/2019

PORTABLE CHANGEABLE MESSAGE SIGN LOCATION AND MESSAGE TO BE DETERMINED BY ENGINEER

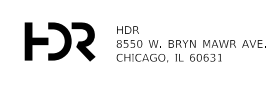
* MUST BE REMOVED WHEN WORKERS OR FLAGGER ARE NOT PRESENT FOR MORE THAN ONE HOUR.

EX WELD ROAD
SEE MOT SHEETS 10-13 FOR WELD ROAD MOT DETAILS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1
RANDALL ROAD**
SCALE: 1"=50' SHEET 7 OF 17 SHEETS STA. SEE PLANS TO STA. SEE PLANS

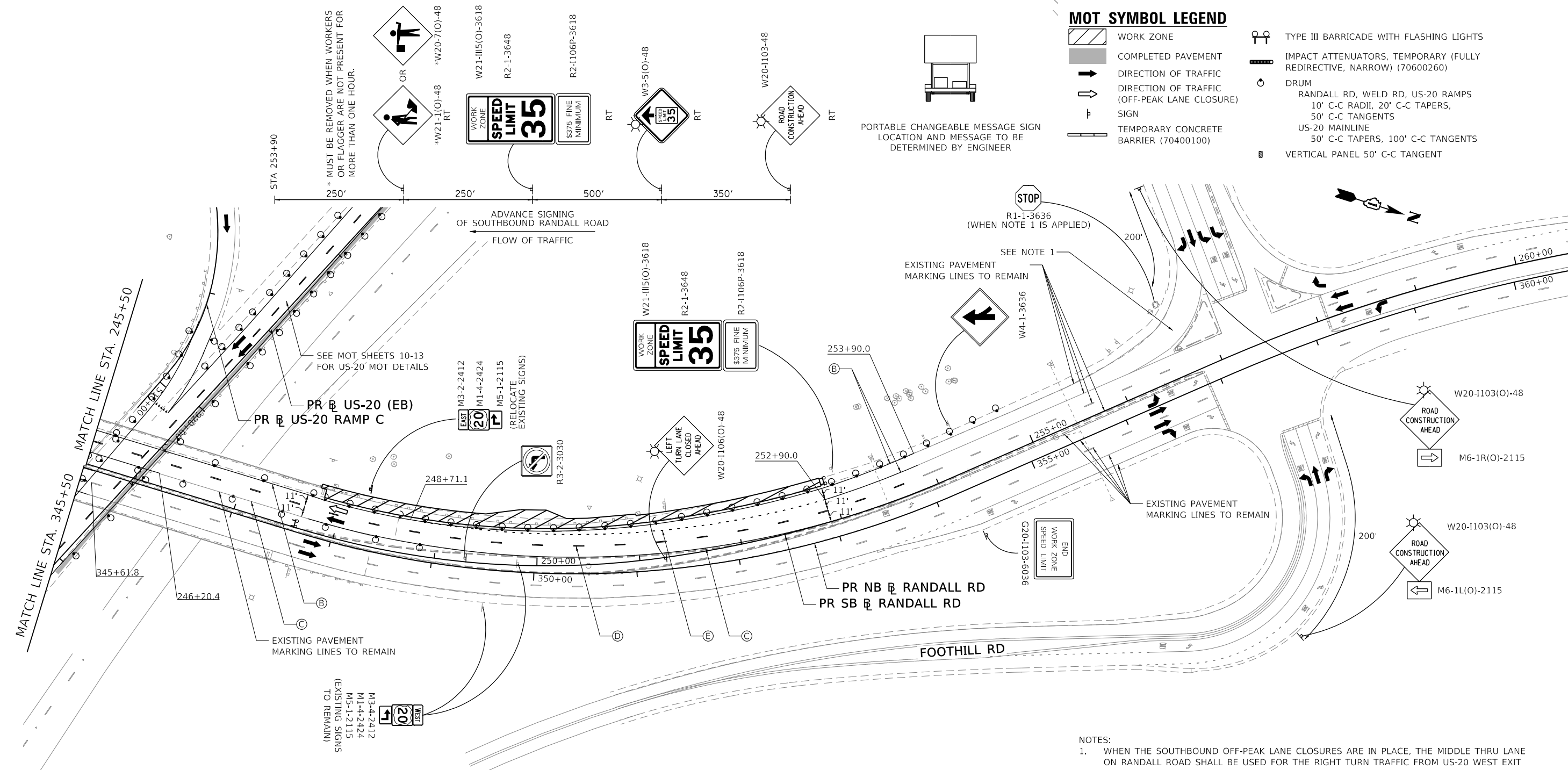
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	53
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



USER NAME = RROGERS
 DESIGNED - AKS
 DRAWN - AKS
 CHECKED - DWW
 DATE - 01-03-19

REVISIONS:
 REVISION -
 REVISION -
 REVISION -
 REVISION -

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MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)
- (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908)
- (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912)
- (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912)
- (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924)
- (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)

NOTES:
 1. WHEN THE SOUTHBOUND OFF-PEAK LANE CLOSURES ARE IN PLACE, THE MIDDLE THRU LANE ON RANDALL ROAD SHALL BE USED FOR THE RIGHT TURN TRAFFIC FROM US-20 WEST EXIT RAMP TO SB RANDALL ROAD. THE RIGHT TURN TRAFFIC WILL TRAVEL INTO THE MIDDLE THRU LANE AND THEN A LANE DROP OF THE MIDDLE LANE SHALL BE UTILIZED AS SHOWN FOR THE AUXILIARLY LANE DURING PEAK HOURS.



USER NAME = RR0GERS	DESIGNED - AKS	REVISED -
	DRAWN - AKS	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

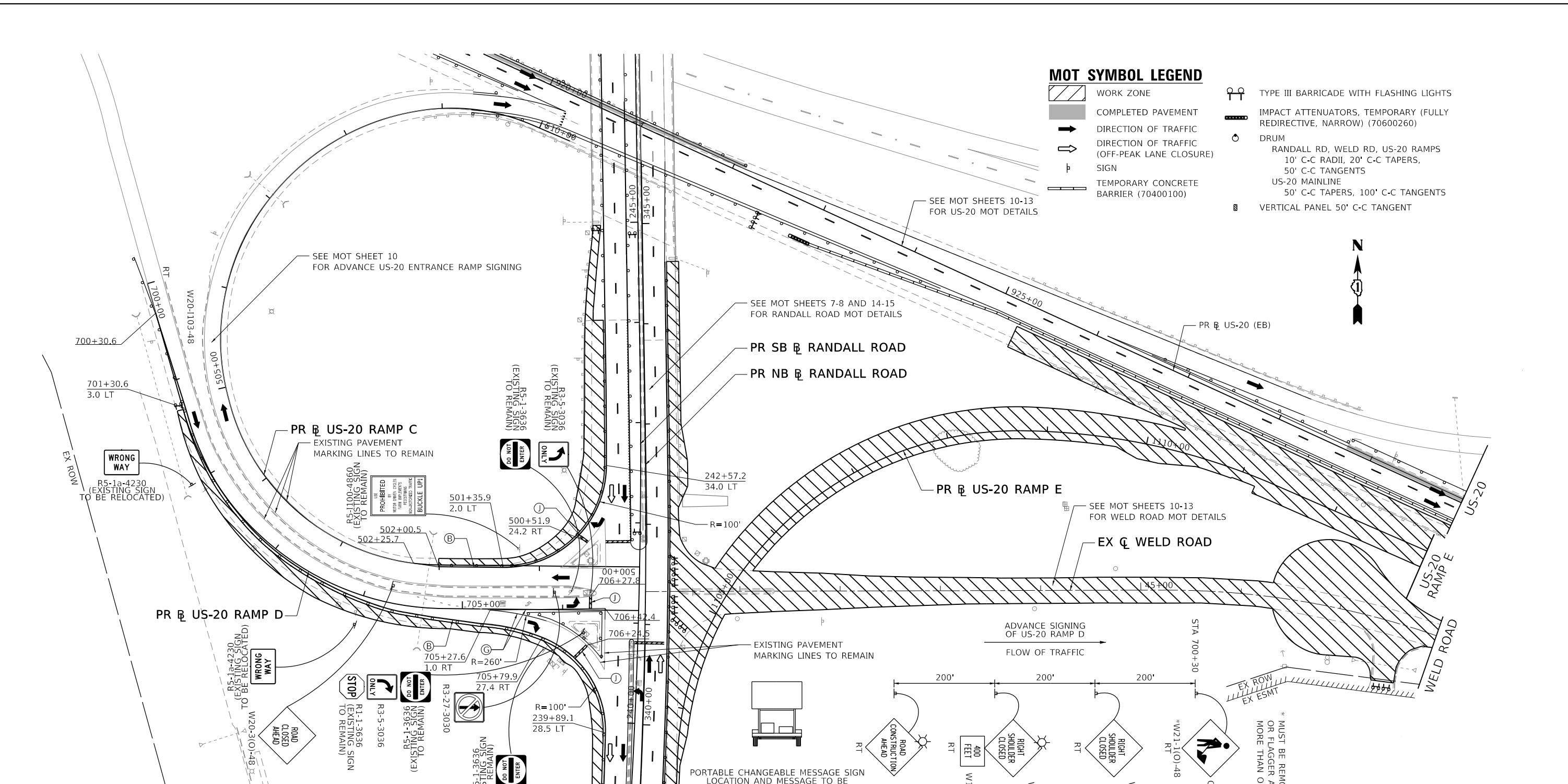
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1
 RANDALL ROAD**

SCALE: 1"=50' SHEET 8 OF 17 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	54
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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MOT SYMBOL LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC
- DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE) SIGN
- TEMPORARY CONCRETE BARRIER (70400100)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260)
- DRUM
- RANDALL RD, WELD RD, US-20 RAMP
10' C-C RADII, 20' C-C TAPERS,
50' C-C TANGENTS
- US-20 MAINLINE
50' C-C TAPERS, 100' C-C TANGENTS
- VERTICAL PANEL 50' C-C TANGENT

MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)
- (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908)
- (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912)
- (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912)
- (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924)
- (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1
 US-20 RAMP C AND D**

USER NAME = RR0GERS	DESIGNED - AKS	REVISED -
DRAWN - AKS	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

SCALE: 1"=50' SHEET 9 OF 17 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	55
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

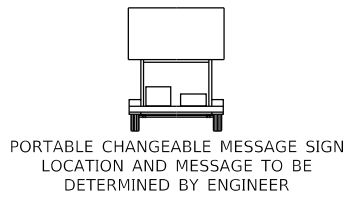
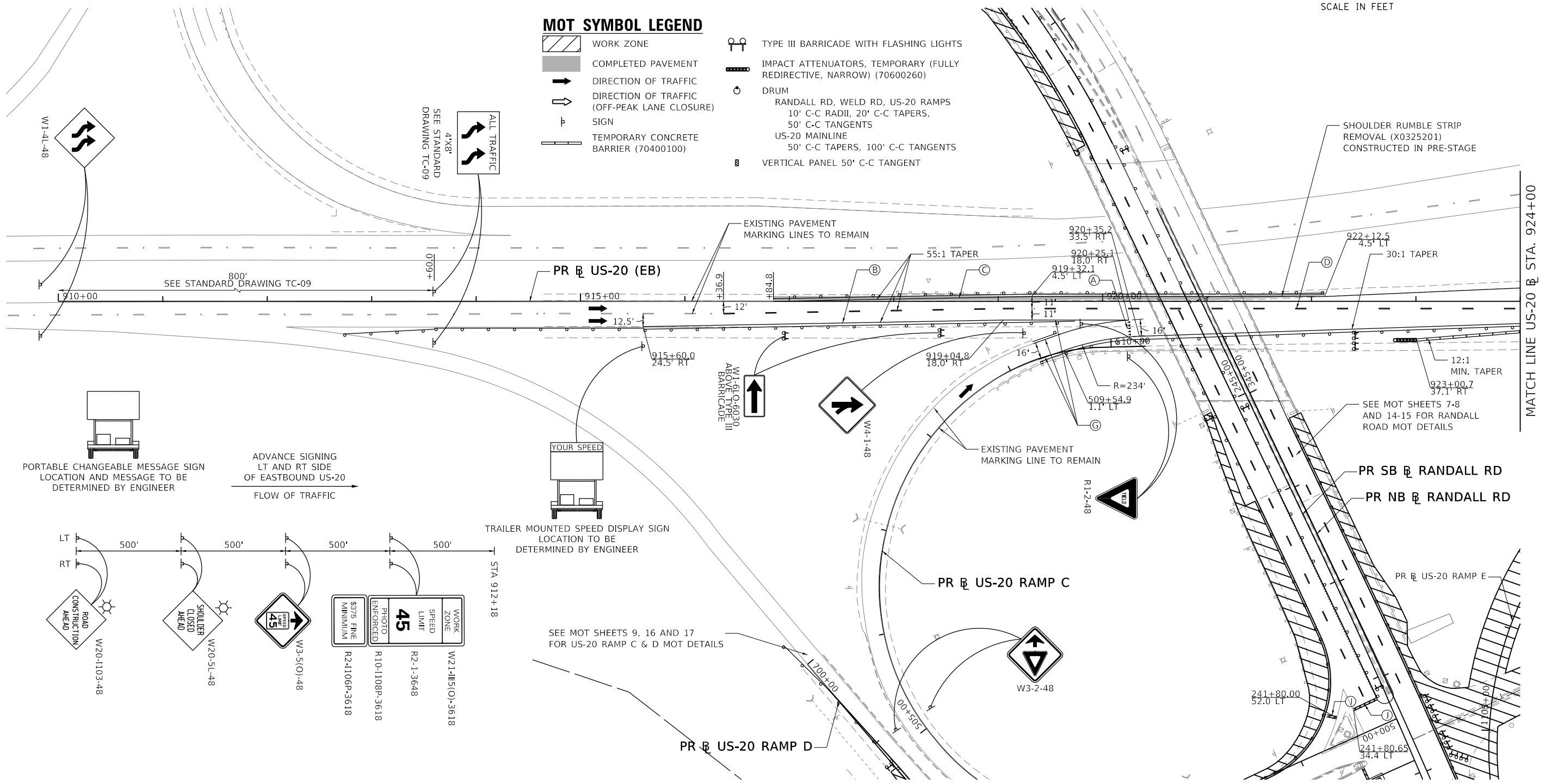
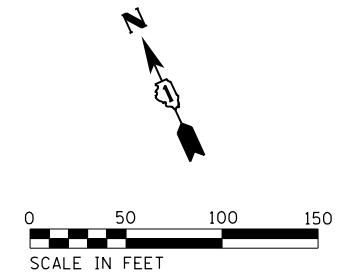
MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)

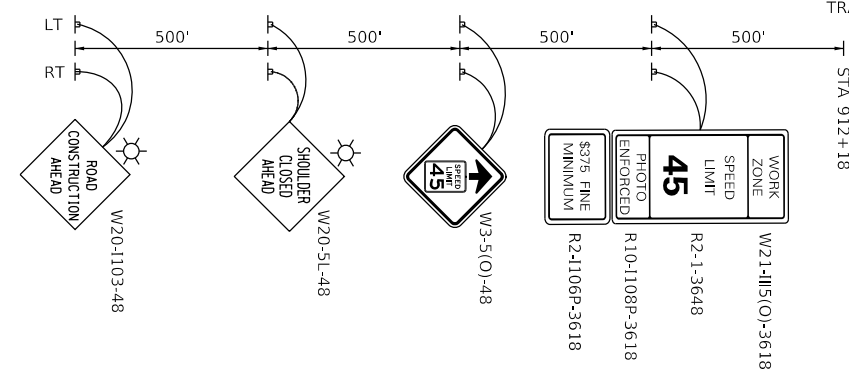
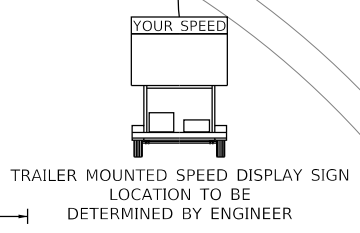
- (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908)
- (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912)
- (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912)
- (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924)
- (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)

MOT SYMBOL LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC
- DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE)
- SIGN
- TEMPORARY CONCRETE BARRIER (70400100)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260)
- DRUM
- RANDALL RD, WELD RD, US-20 RAMP
- 10' C-C RADII, 20' C-C TAPERS, 50' C-C TANGENTS
- US-20 MAINLINE
- 50' C-C TAPERS, 100' C-C TANGENTS
- VERTICAL PANEL 50' C-C TANGENT



ADVANCE SIGNING
LT AND RT SIDE
OF EASTBOUND US-20
FLOW OF TRAFFIC



SEE MOT SHEETS 9, 16 AND 17
FOR US-20 RAMP C & D MOT DETAILS

SEE MOT SHEETS 7-8
AND 14-15 FOR RANDALL
ROAD MOT DETAILS

MODEL: Default
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HDR
8550 W. BRYN MAWR AVE.
CHICAGO, IL 60631

USER NAME = RROGERS	DESIGNED - AKS	REVISED -
DRAWN - AKS	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1
US-20 AND WELD ROAD**

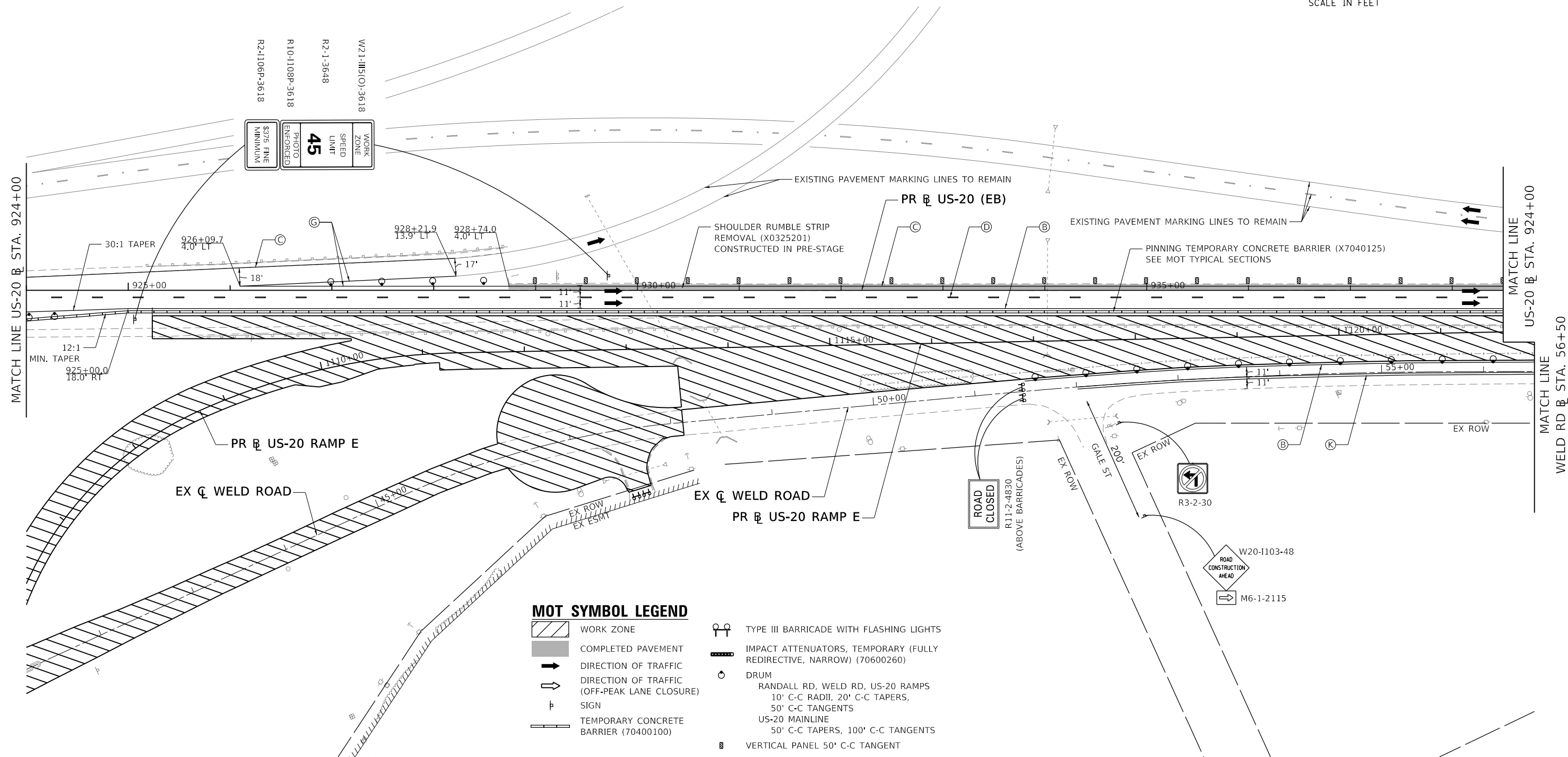
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SHEET 10 OF 17 SHEETS	STA. SEE PLANS	TO STA. SEE PLANS
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F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 56
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MOT PROPOSED LEGEND

- | | |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900) | (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908) |
| (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904) | (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912) |
| (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904) | (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912) |
| (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904) | (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924) |
| (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906) | (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904) |
| (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906) | |



MOT SYMBOL LEGEND

- | | | | |
|--|----------------------------------------------|--|----------------------------------------------------------------------|
| | WORK ZONE | | TYPE III BARRICADE WITH FLASHING LIGHTS |
| | COMPLETED PAVEMENT | | IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260) |
| | DIRECTION OF TRAFFIC | | DRUM |
| | DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE) | | SIGN |
| | TEMPORARY CONCRETE BARRIER (70400100) | | RANDALL RD, WELD RD, US-20 RAMPS |
| | | | US-20 MAINLINE |
| | | | 50' C-C TAPERS, 100' C-C TANGENTS |
| | | | VERTICAL PANEL 50' C-C TANGENT |

HDR
 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

USER NAME = RROGERS	DESIGNED - AKS	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - AKS	REVISED -
PLOT DATE = 01/03/2019	CHECKED - DWW	REVISED -
	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1
 US-20 AND WELD ROAD**

SCALE: 1"=50' SHEET 11 OF 17 SHEETS STA. SEE PLANS TO STA. SEE PLANS













F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 57
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

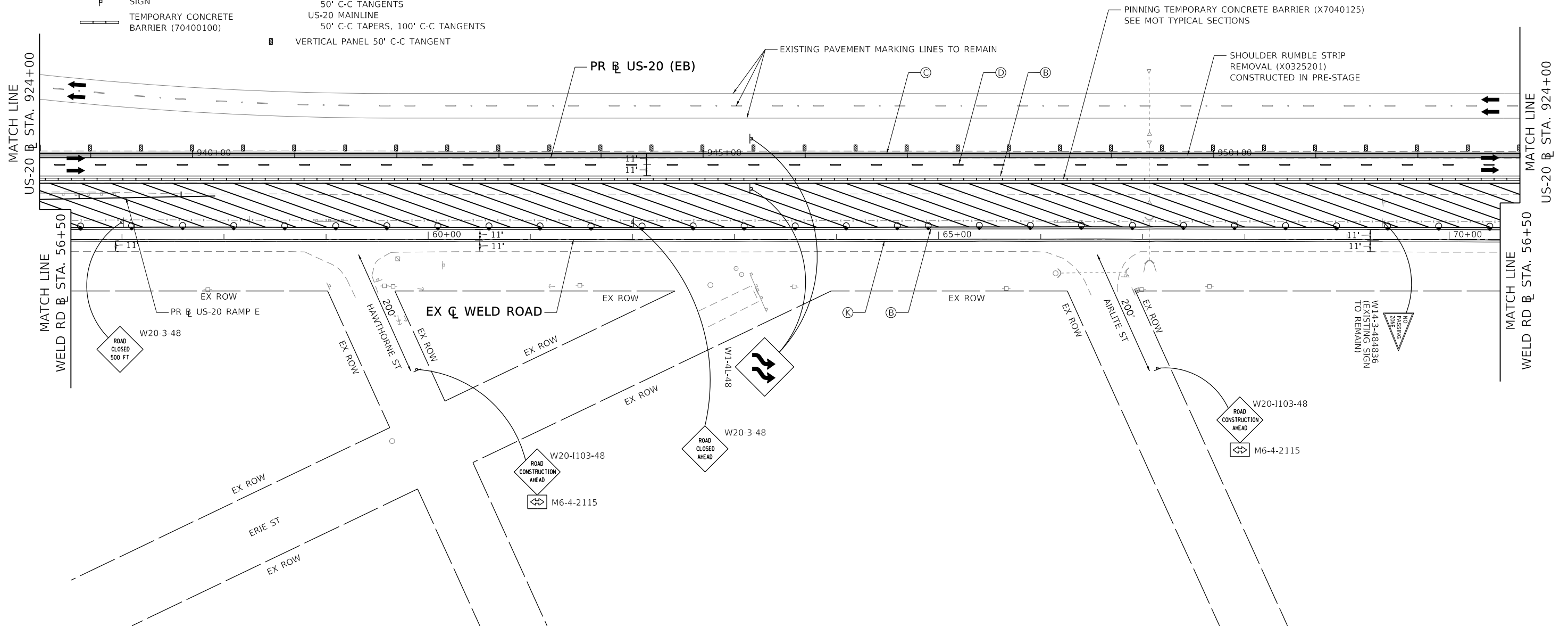
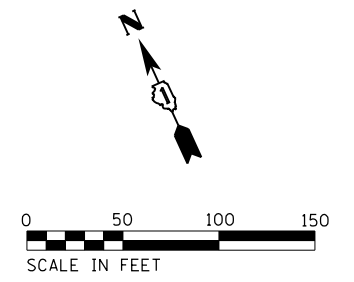
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MOT PROPOSED LEGEND

- | | |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900) | (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908) |
| (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904) | (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912) |
| (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904) | (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912) |
| (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904) | (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924) |
| (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906) | (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904) |
| (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906) | |

MOT SYMBOL LEGEND

- | | |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  WORK ZONE |  TYPE III BARRICADE WITH FLASHING LIGHTS |
|  COMPLETED PAVEMENT |  IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260) |
|  DIRECTION OF TRAFFIC |  DRUM |
|  DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE) |  RANDALL RD, WELD RD, US-20 RAMPS
10' C-C RADII, 20' C-C TAPERS,
50' C-C TANGENTS |
|  SIGN |  US-20 MAINLINE
50' C-C TAPERS, 100' C-C TANGENTS |
|  TEMPORARY CONCRETE BARRIER (70400100) |  VERTICAL PANEL 50' C-C TANGENT |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1
US-20 AND WELD ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	58
CONTRACT NO. 61F57				

SCALE: 1"=50' SHEET 12 OF 17 SHEETS STA. SEE PLANS TO STA. SEE PLANS

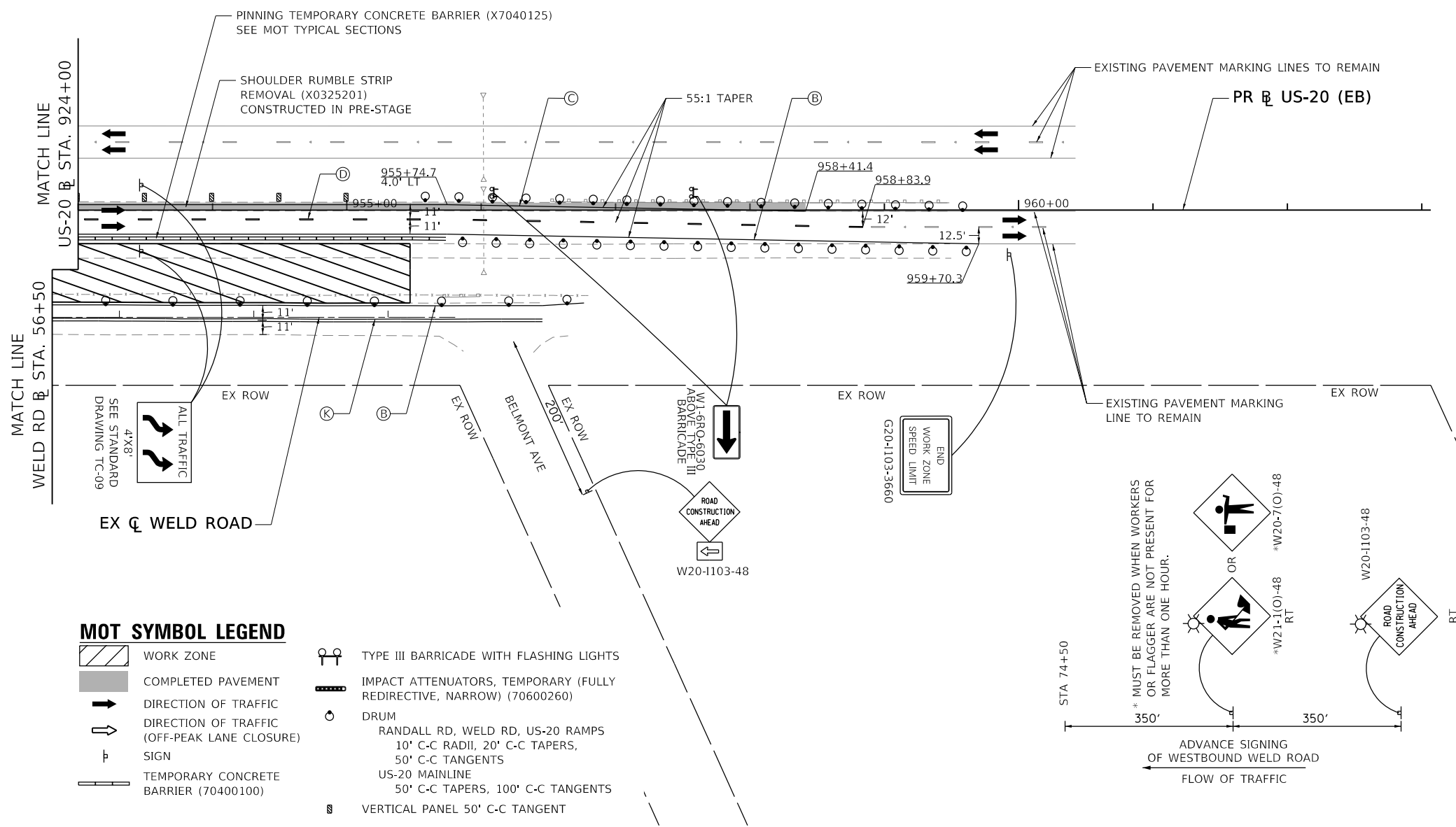
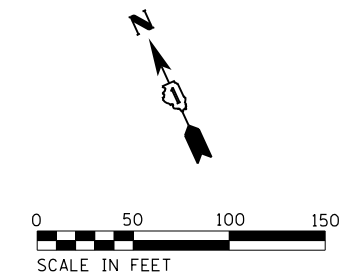
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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USER NAME = RROGERS	DESIGNED - AKS	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - AKS	REVISED -
PLOT DATE = 01/03/2019	CHECKED - DWW	REVISED -
	DATE - 01-03-19	REVISED -

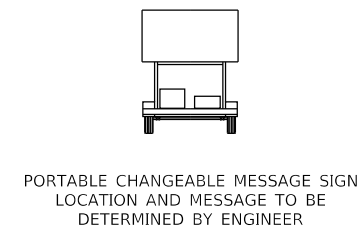
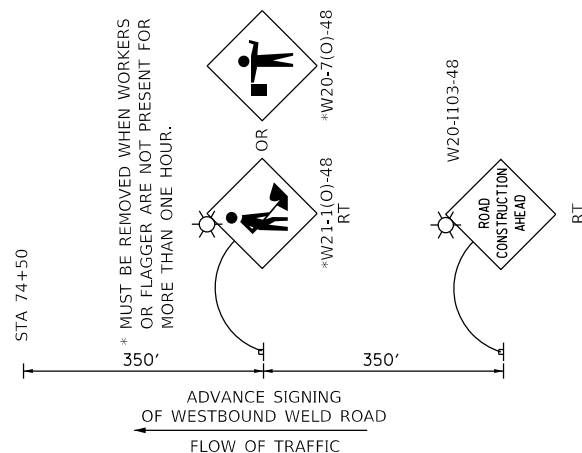
MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)
- (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908)
- (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912)
- (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912)
- (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924)
- (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)



MOT SYMBOL LEGEND

- | | | | |
|--|----------------------------------------------|--|----------------------------------------------------------------------------------------|
| | WORK ZONE | | TYPE III BARRICADE WITH FLASHING LIGHTS |
| | COMPLETED PAVEMENT | | IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260) |
| | DIRECTION OF TRAFFIC | | DRUM |
| | DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE) | | RANDALL RD, WELD RD, US-20 RAMPS
10' C-C RADII, 20' C-C TAPERS,
50' C-C TANGENTS |
| | TEMPORARY CONCRETE BARRIER (70400100) | | US-20 MAINLINE
50' C-C TAPERS, 100' C-C TANGENTS |
| | VERTICAL PANEL 50' C-C TANGENT | | |



MODEL: Default
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USER NAME = RR0GERS	DESIGNED - AKS	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - AKS	REVISED -
PLOT DATE = 01/03/2019	CHECKED - DWW	REVISED -
	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1
US-20 AND WELD ROAD

SCALE: 1"=50' SHEET 13 OF 17 SHEETS STA. SEE PLANS TO STA. SEE PLANS

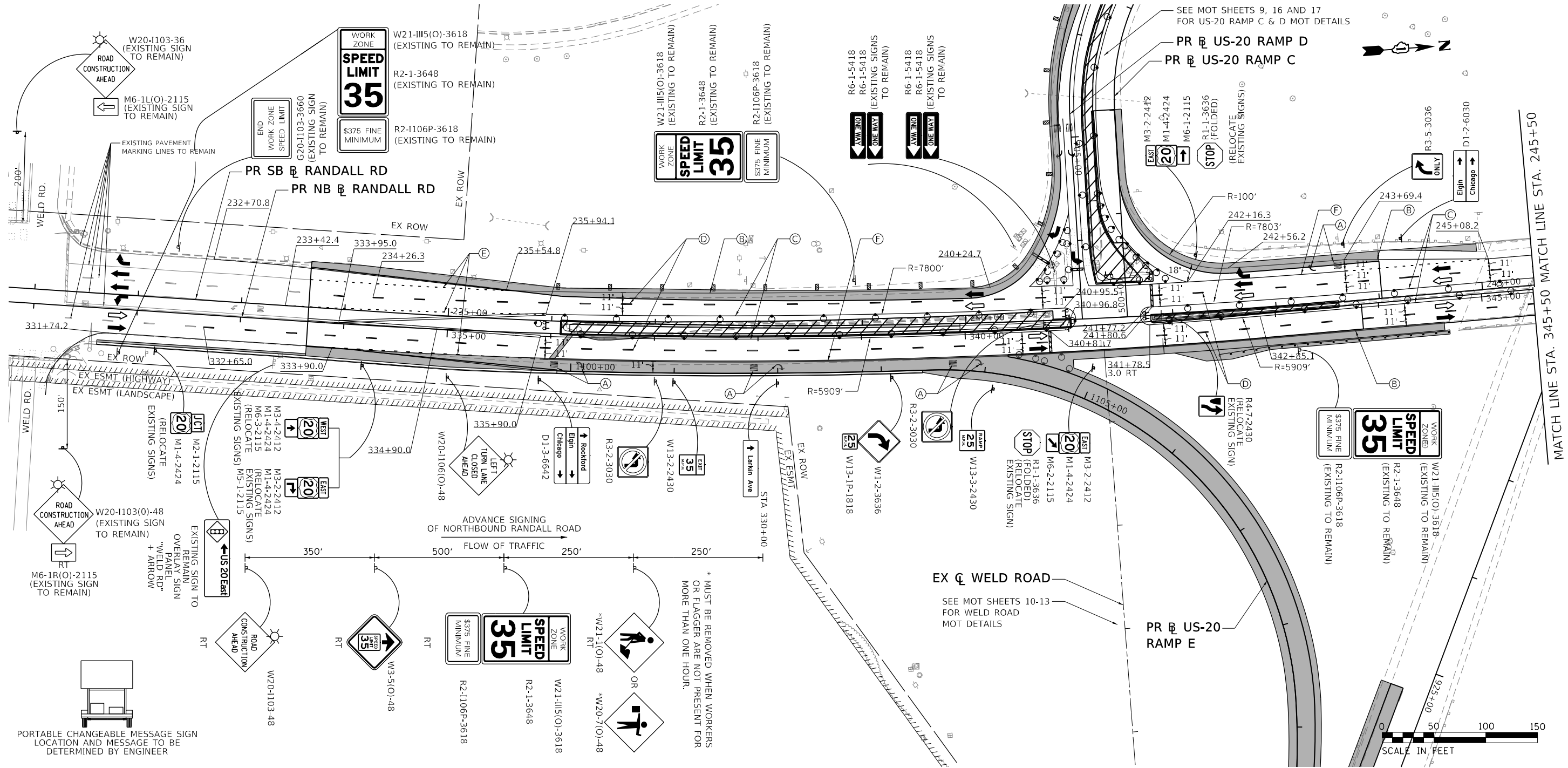
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	59
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)
- (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908)
- (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912)
- (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912)
- (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924)
- (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)

MOT SYMBOL LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC
- DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE)
- SIGN
- TEMPORARY CONCRETE BARRIER (70400100)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260)
- DRUM
- RANDALL RD, WELD RD, US-20 RAMP
10' C-C RADII, 20' C-C TAPERS,
50' C-C TANGENTS
- US-20 MAINLINE
50' C-C TAPERS, 100' C-C TANGENTS
- VERTICAL PANEL 50' C-C TANGENT



PORTABLE CHANGEABLE MESSAGE SIGN LOCATION AND MESSAGE TO BE DETERMINED BY ENGINEER



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HDR
HDR
8550 W. BRYN MAWR AVE.
CHICAGO, IL 60631

USER NAME = RROGERS	DESIGNED - AKS	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - AKS	REVISED -
PLOT DATE = 01/03/2019	CHECKED - DWW	REVISED -
	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

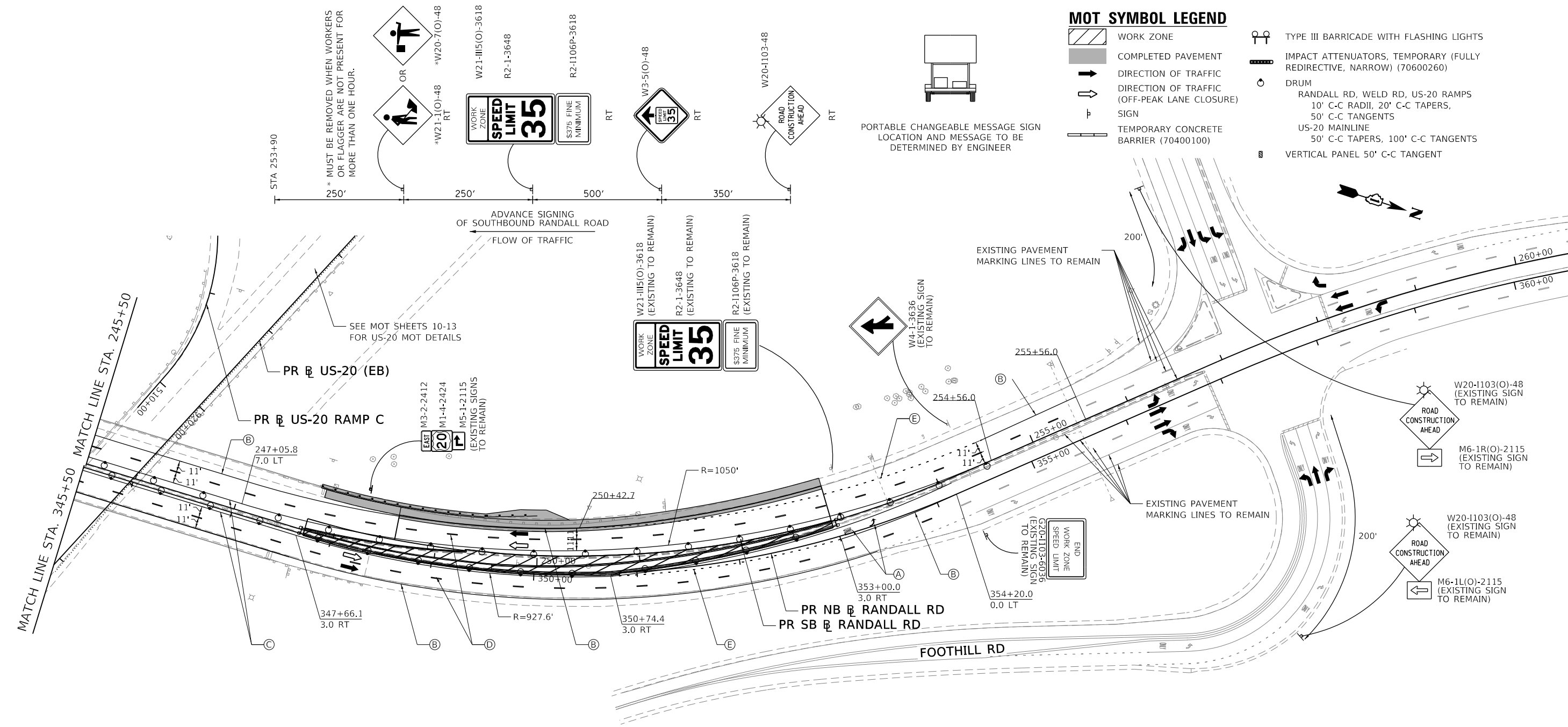
**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2
RANDALL ROAD**

SCALE: 1"=50'

SHEET 14 OF 17 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	60
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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MOT SYMBOL LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC
- DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE) SIGN
- TEMPORARY CONCRETE BARRIER (70400100)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260)
- DRUM
- RANDALL RD, WELD RD, US-20 RAMP
10' C-C RADII, 20' C-C TAPERS,
50' C-C TANGENTS
- US-20 MAINLINE
50' C-C TAPERS, 100' C-C TANGENTS
- VERTICAL PANEL 50' C-C TANGENT

MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)
- (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908)
- (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912)
- (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912)
- (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924)
- (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)



USER NAME = RROGERS	DESIGNED - AKS	REVISED -
	DRAWN - AKS	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 RANDALL ROAD	
SCALE: 1"=50'	SHEET 15 OF 17 SHEETS STA. N/A TO STA. N/A

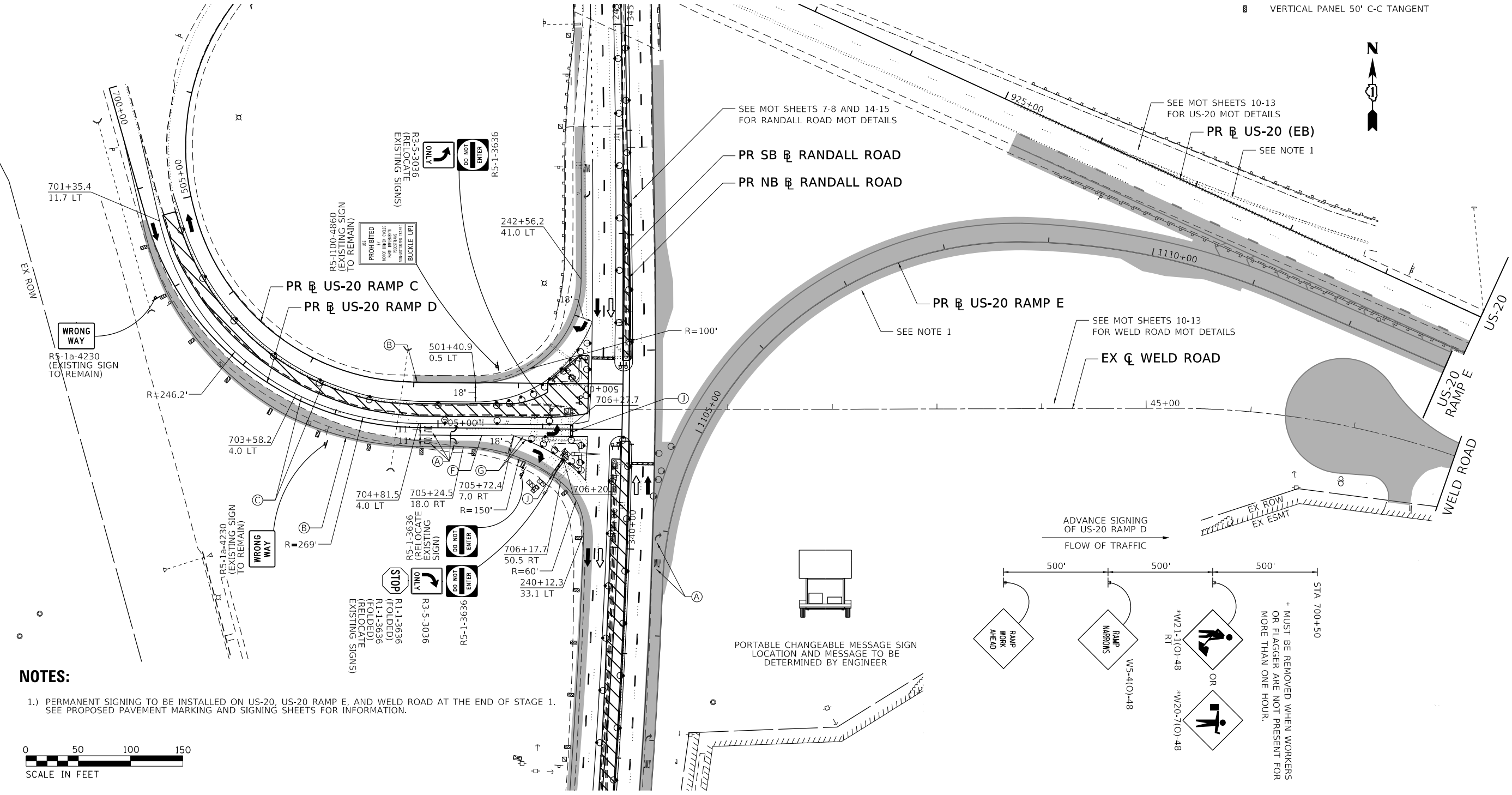
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	61
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
- (D) PAVEMENT MARKING TAPE, TYPE IV 4" (SKIP-DASH, WHITE 10' DASH, 30' SKIP) (70300904)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (SKIP-DASH, WHITE 2' DASH, 6' SKIP) (70300906)
- (F) PAVEMENT MARKING TAPE, TYPE IV 6" (SOLID WHITE) (70300906)
- (G) PAVEMENT MARKING TAPE, TYPE IV 8" (SOLID WHITE) (70300908)
- (H) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID WHITE) (70300912)
- (I) PAVEMENT MARKING TAPE, TYPE IV 12" (SOLID YELLOW) (70300912)
- (J) PAVEMENT MARKING TAPE, TYPE IV 24" (STOP BAR) (70300924)
- (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)

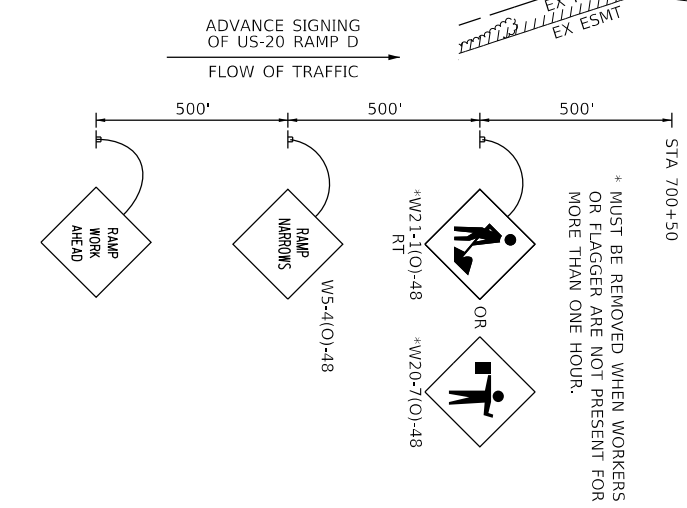
MOT SYMBOL LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC
- DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE)
- SIGN
- TEMPORARY CONCRETE BARRIER (70400100)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260)
- DRUM
- RANDALL RD, WELD RD, US-20 RAMPS 10' C-C RADII, 20' C-C TAPERS, 50' C-C TANGENTS
- US-20 MAINLINE 50' C-C TAPERS, 100' C-C TANGENTS
- VERTICAL PANEL 50' C-C TANGENT



NOTES:

- 1.) PERMANENT SIGNING TO BE INSTALLED ON US-20, US-20 RAMP E, AND WELD ROAD AT THE END OF STAGE 1. SEE PROPOSED PAVEMENT MARKING AND SIGNING SHEETS FOR INFORMATION.



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USER NAME = RROGERS
DESIGNED - AKS
DRAWN - AKS
PLOT SCALE = 100,0000' / in.
PLOT DATE = 01/03/2019

DESIGNED - AKS
DRAWN - AKS
CHECKED - DWW
DATE - 01-03-19

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 US-20 RAMPS C & D

SCALE: 1"=50' SHEET 16 OF 17 SHEETS STA. SEE PLANS TO STA. SEE PLANS

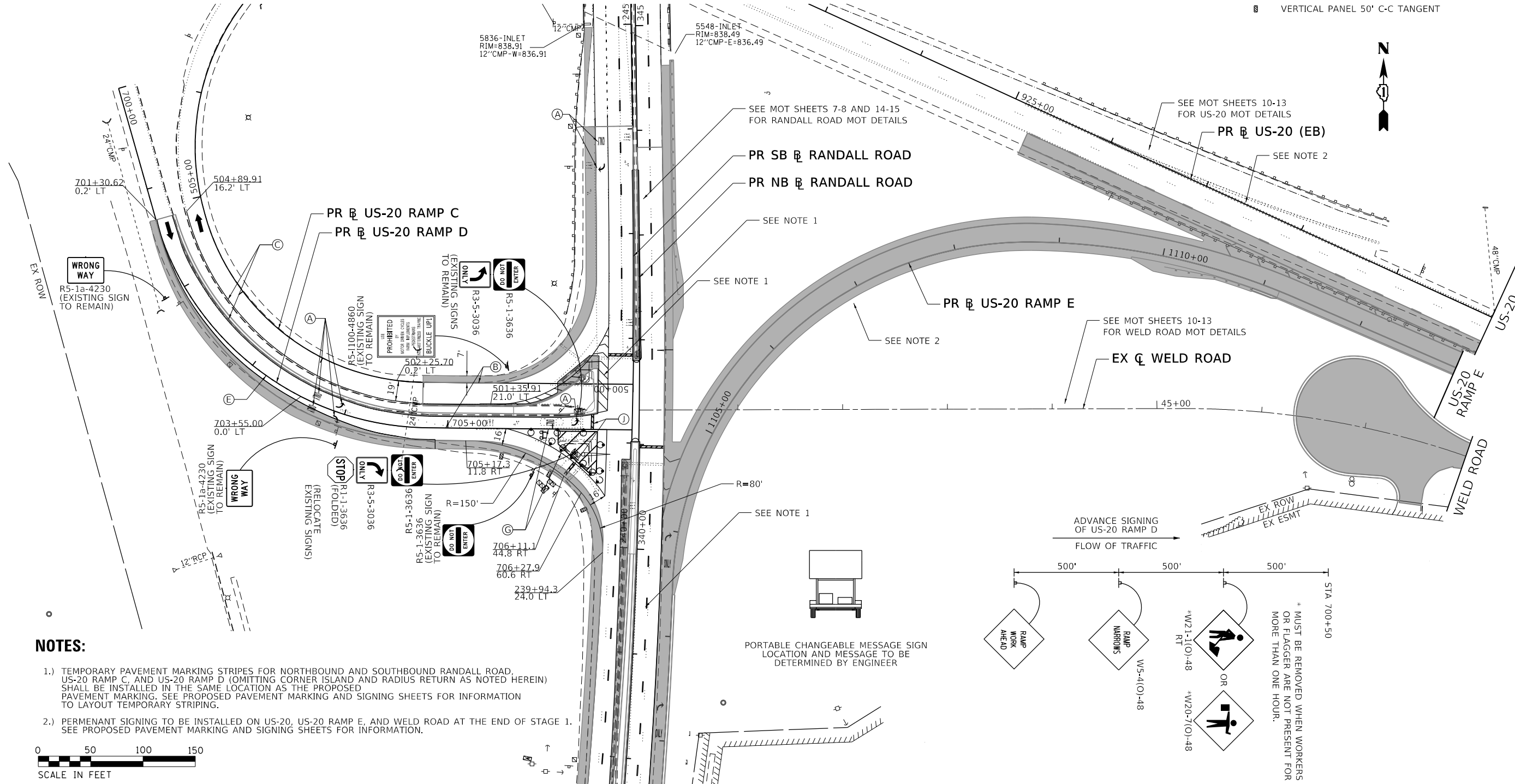
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336/345	14-00446-00-CH	KANE	354	62
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MOT PROPOSED LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS (70300900)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE) (70300904)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW) (70300904)
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- (K) PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE SOLID YELLOW, 11" C-C) (70300904)

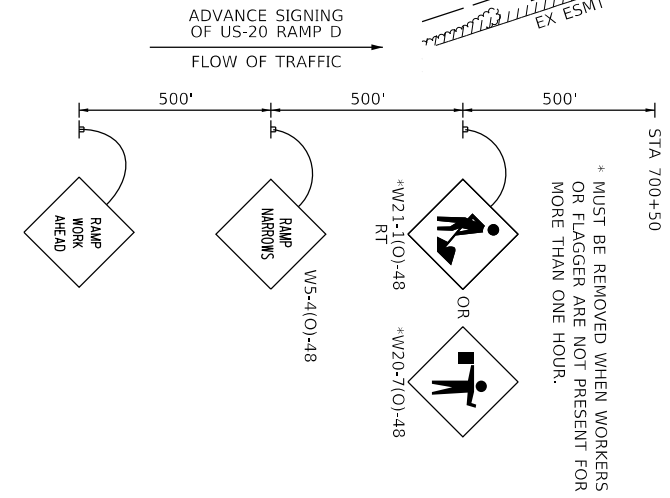
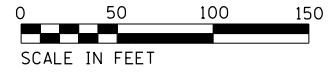
MOT SYMBOL LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC
- DIRECTION OF TRAFFIC (OFF-PEAK LANE CLOSURE)
- SIGN
- TEMPORARY CONCRETE BARRIER (70400100)
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) (70600260)
- DRUM
- RANDALL RD, WELD RD, US-20 RAMP
10' C-C RADII, 20' C-C TAPERS,
50' C-C TANGENTS
- US-20 MAINLINE
50' C-C TAPERS, 100' C-C TANGENTS
- VERTICAL PANEL 50' C-C TANGENT



NOTES:

- 1.) TEMPORARY PAVEMENT MARKING STRIPES FOR NORTHBOUND AND SOUTHBOUND RANDALL ROAD, US-20 RAMP C, AND US-20 RAMP D (OMITTING CORNER ISLAND AND RADIUS RETURN AS NOTED HEREIN) SHALL BE INSTALLED IN THE SAME LOCATION AS THE PROPOSED PAVEMENT MARKING. SEE PROPOSED PAVEMENT MARKING AND SIGNING SHEETS FOR INFORMATION TO LAYOUT TEMPORARY STRIPING.
- 2.) PERMANENT SIGNING TO BE INSTALLED ON US-20, US-20 RAMP E, AND WELD ROAD AT THE END OF STAGE 1. SEE PROPOSED PAVEMENT MARKING AND SIGNING SHEETS FOR INFORMATION.



MODEL: Default
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HDR
 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

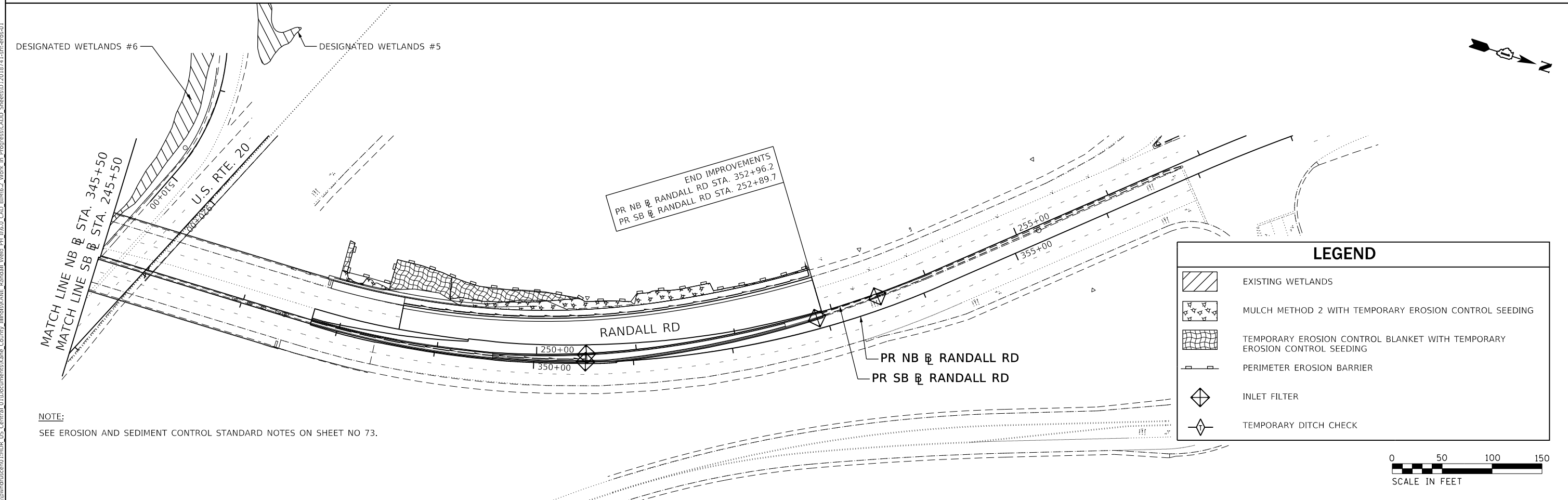
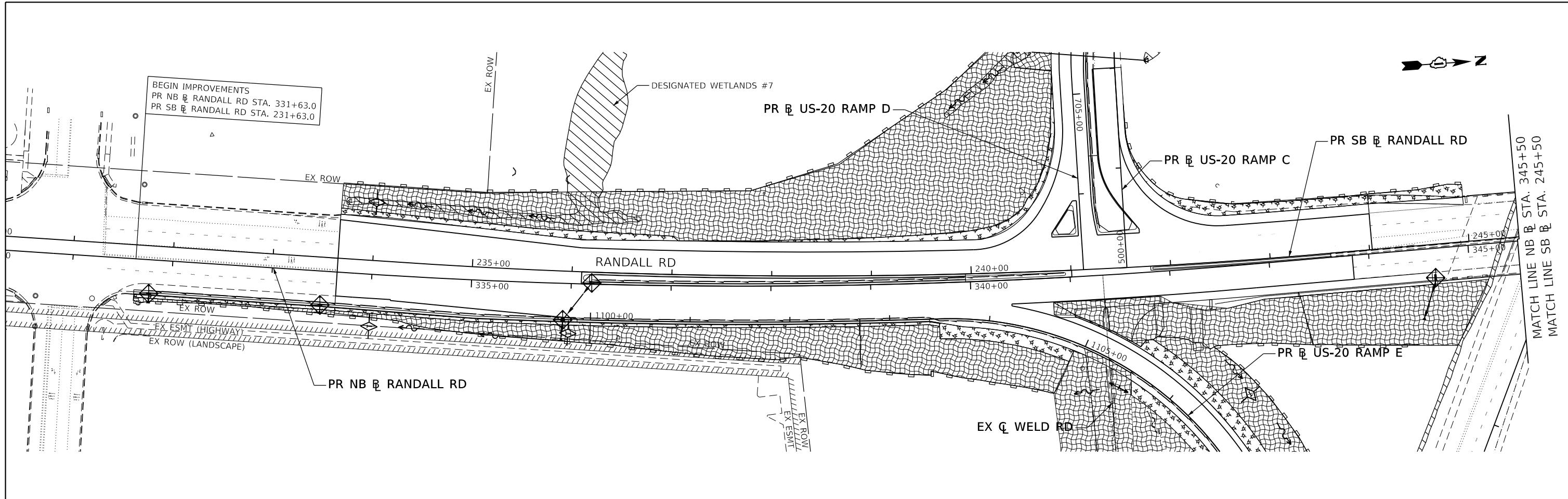
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PLOT SCALE = 100.0000' / in.	DRAWN - AKS	REVISED -
PLOT DATE = 01/03/2019	CHECKED - DWW	REVISED -
	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2A
 US-20 RAMP C & D**

SCALE: 1"=50' SHEET 17 OF 17 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	63
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE:
SEE EROSION AND SEDIMENT CONTROL STANDARD NOTES ON SHEET NO 73.

LEGEND

	EXISTING WETLANDS
	MULCH METHOD 2 WITH TEMPORARY EROSION CONTROL SEEDING
	TEMPORARY EROSION CONTROL BLANKET WITH TEMPORARY EROSION CONTROL SEEDING
	PERIMETER EROSION BARRIER
	INLET FILTER
	TEMPORARY DITCH CHECK



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USER: jkane
DATE: 01-03-19 10:00:00 AM
PROJECT: 14-00446-00-CH
SHEET: 64 OF 64
SCALE: 1"=50'
DRAWN: IS
CHECKED: ST
DATE: 01-03-19

LI ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

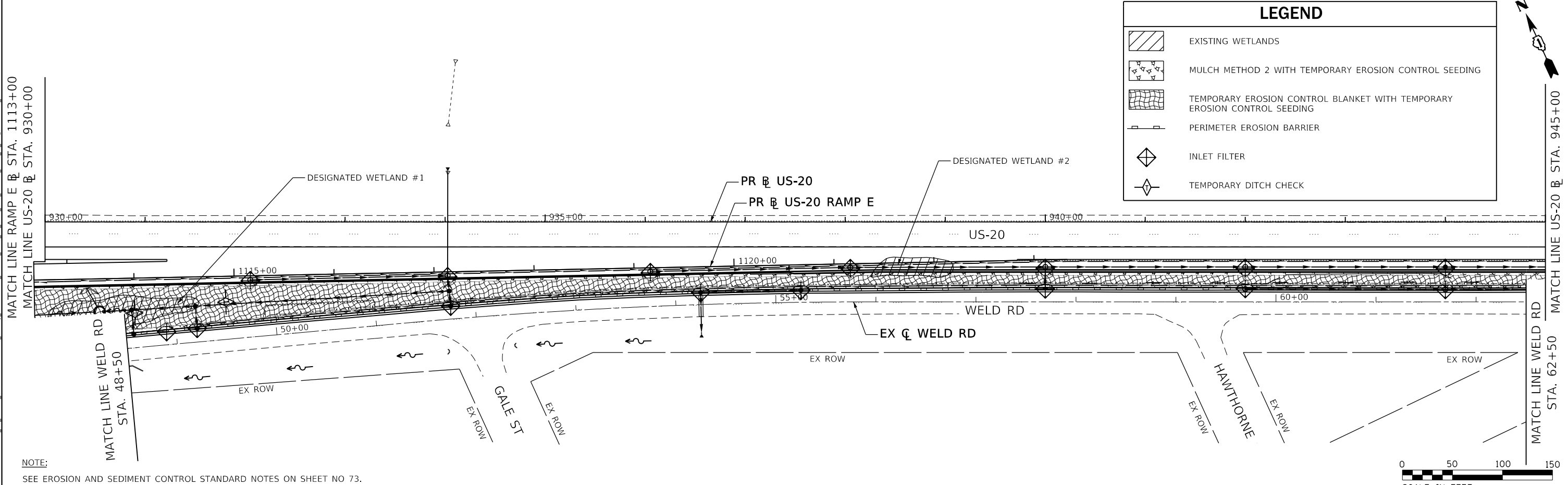
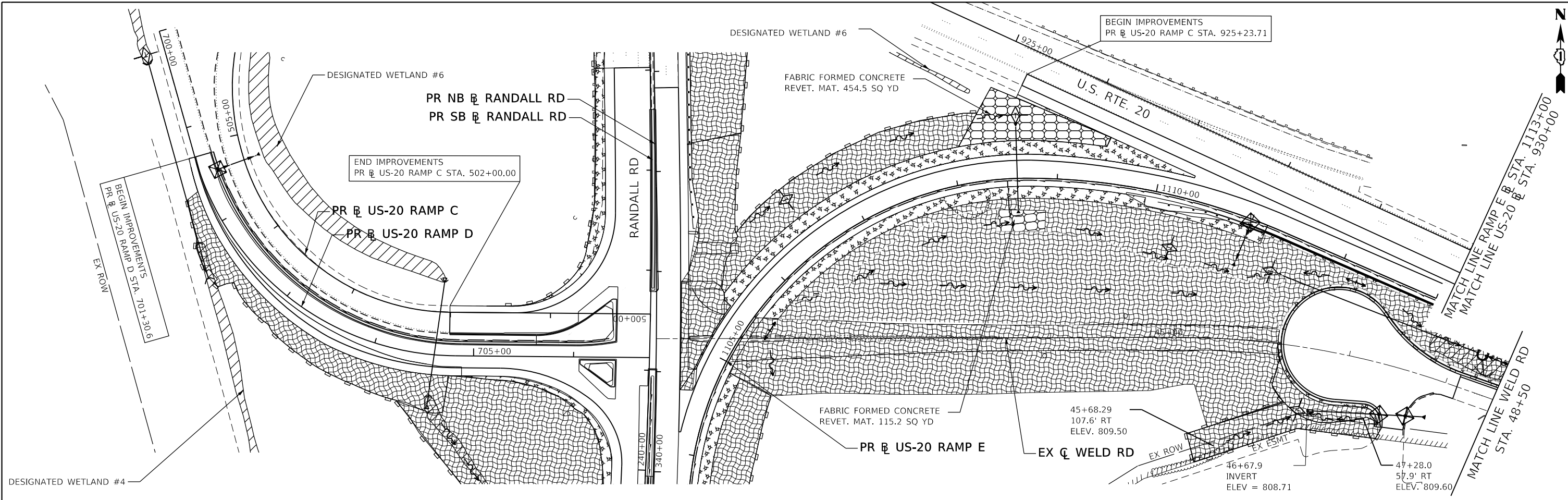
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PLOT SCALE = 100,0000' / in.	DRAWN - IS	REVISED -
PLOT DATE = 01-03-19	CHECKED - ST	REVISED -
	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY EROSION CONTROL PLAN
RANDALL ROAD**

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

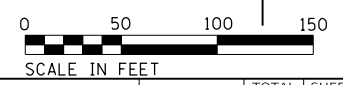
F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 64
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

	EXISTING WETLANDS
	MULCH METHOD 2 WITH TEMPORARY EROSION CONTROL SEEDING
	TEMPORARY EROSION CONTROL BLANKET WITH TEMPORARY EROSION CONTROL SEEDING
	PERIMETER EROSION BARRIER
	INLET FILTER
	TEMPORARY DITCH CHECK

NOTE:
SEE EROSION AND SEDIMENT CONTROL STANDARD NOTES ON SHEET NO 73.



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LI ENGINEERING, LTD.
 Consulting Engineers
 Westmont, Illinois

USER NAME = li43	DESIGNED - IS	REVISED -
	DRAWN - IS	REVISED -
PLOT SCALE = 100,0001' / in.	CHECKED - ST	REVISED -
PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -

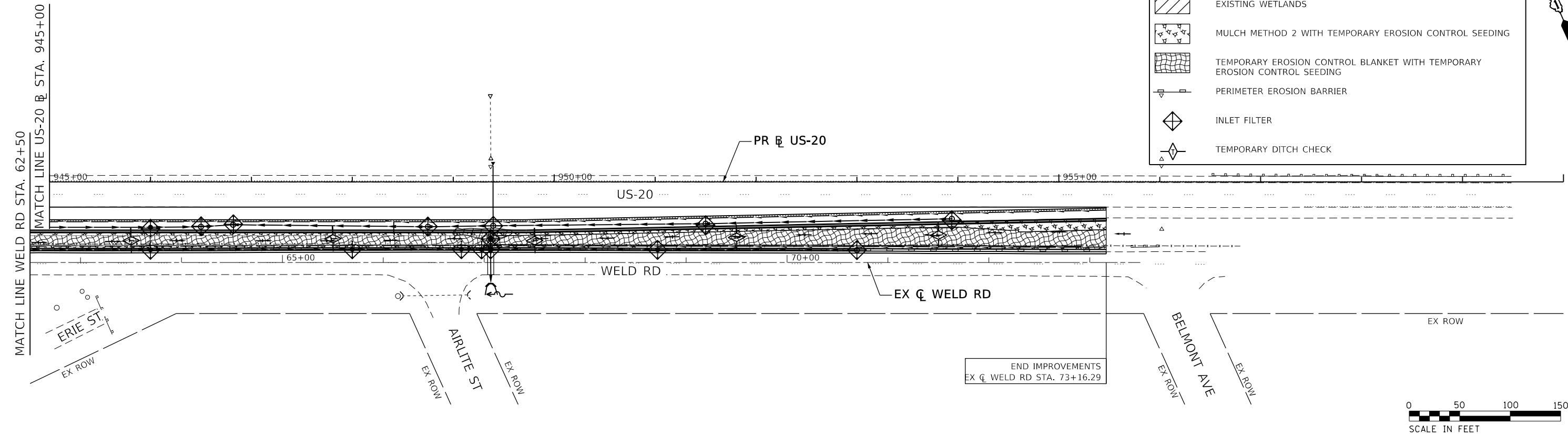
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY EROSION CONTROL PLAN
 US-20, RAMP C, D & E, AND WELD ROAD**

SCALE: 1"=50" SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	65
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND	
	EXISTING WETLANDS
	MULCH METHOD 2 WITH TEMPORARY EROSION CONTROL SEEDING
	TEMPORARY EROSION CONTROL BLANKET WITH TEMPORARY EROSION CONTROL SEEDING
	PERIMETER EROSION BARRIER
	INLET FILTER
	TEMPORARY DITCH CHECK



STANDARD NOTES:

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.
- THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
- IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

MODEL: Default; FILE: kane.ctb; PLOT: kane.ctb; PLOTTER: HP-GL/2; PLOT DATE: 01-03-19; USER: jkane; PROJECT: 14-00446-00-CH; SHEET: 66 OF 354; CONTRACT NO. 61F57

LIN ENGINEERING, LTD.
 Consulting Engineers
 Westmont, Illinois

USER NAME = jkane	DESIGNED - IS	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - IS	REVISED -
PLOT DATE = 01-03-19	CHECKED - ST	REVISED -
	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY EROSION CONTROL PLAN
 US-20 AND WELD ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	66
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TEMPORARY EROSION CONTROL SCHEDULE OF QUANTITIES									
LOCATION			MULCH, METHOD 2 (25100115)	TEMPORARY EROSION CONTROL SEEDING (28000250)	TEMPORARY DITCH CHECKS (28000305)	PERIMETER EROSION BARRIER (28000400)	TEMPORARY EROSION CONTROL BLANKET (28001100)	INLET FILTERS (28000510)	FABRIC FORMED CONCRETE REVET. MAT (28500100)
STATION FROM	STATION TO	OFFSET	ACRE	POUND	SQ YD	FOOT	SQ YD	EACH	SQ YD
RANDALL ROAD									
331+78.00 NB	-	RT	-	-	-	-	-	1	-
331+62.98 NB	340+77.96 NB	RT	-	-	-	934.66	-	-	-
331+62.98 NB	340+99.77 NB	RT	0.09	216.21	-	-	2,160.48	-	-
333+50.00 NB	-	RT	-	-	-	-	-	1	-
335+92.46 NB	-	RT	-	-	-	-	-	1	-
336+20.45 NB	-	RT	-	-	-	-	-	1	-
240+81.36 NB	344+20.00 NB	RT	-	170.13	-	206.24	1,059.54	-	-
334+00.10 NB	-	RT	-	-	12.00	-	-	-	-
335+98.20 NB	-	RT	-	-	12.00	-	-	-	-
344+64.88 NB	-	RT	-	-	-	-	-	1	-
350+51.81 NB	-	RT	-	-	-	-	-	1	-
352+90.00 NB	-	LT	-	-	-	-	-	1	-
353+55.05 NB	-	LT	-	-	-	-	-	1	-
233+65.06 SB	240+88.37 SB	LT	0.05	19.27	-	-	-	-	-
233+65.72 SB	236+60.00 SB	LT	-	-	-	215.86	-	-	-
234+00.25 SB	-	LT	-	-	24.00	-	-	-	-
233+65.72 SB	237+05.65 SB	LT	-	442.86	-	-	-	-	-
236+70.00 SB	240+88.37 SB	LT	0.05	19.15	-	-	-	-	-
241+61.28 SB	244+97.53 SB	LT	0.06	22.50	-	489.21	-	-	-
244+00.00 SB	244+97.53 SB	LT	-	15.57	-	-	188.40	-	-
247+86.98 SB	252+89.86 SB	LT	0.06	24.10	-	-	-	-	-
247+87.61 SB	250+43.01 SB	LT	-	27.96	-	555.46	176.92	-	-
253+47.66 SB	-	RT	-	-	-	-	-	1	-
RANDALL ROAD / US 20 RAMP D									
236+35.95 SB	704+31.43	LT/RT	-	-	-	467.98	-	-	-
US 20 RAMP C									
502+07.08	-	RT	-	-	-	-	-	-	-
US 20 RAMP D									
700+19.48	-	RT	-	-	20.00	-	-	-	-
701+38.52	704+75.80	RT	-	74.12	-	-	896.87	1	-
701+50.00	-	LT	-	-	-	-	-	-	-
701+67.04	704+31.43	RT	-	-	-	317.82	-	-	-
702+36.92	-	RT	-	-	-	-	-	-	-
US 20 RAMP E									
1104+80.21	1110+33.36	LT	0.18	71.15	-	-	-	-	-
1105+55.85	1109+09.81	LT	-	-	-	276.59	-	-	-
1105+55.85	1109+45.43	LT	-	89.38	-	-	1,081.54	-	-
1105+82.32	1111+16.27	RT	0.13	51.23	-	-	-	-	-
1106+50.00	-	LT	-	-	16.00	-	-	-	-
1108+07.74	1109+45.43	LT	-	-	-	-	-	-	495.77
1108+35.50	1108+89.36	RT	-	-	-	-	-	-	115.16
1108+60.00	-	LT	-	-	20.00	-	-	-	-
1108+60.11	-	LT	-	-	-	-	-	-	-
1108+71.15	-	LT	-	-	-	-	-	-	-
1110+25.98	-	RT	-	-	20.00	-	-	-	-
1110+98.44	-	RT	-	-	-	-	-	-	-
1110+99.49	-	RT	-	-	-	-	-	-	-
1111+36.83	-	RT	-	-	20.00	-	-	-	-
US 20 RAMP E/WELD ROAD									
1111+69.06	73+16.29	RT/LT	-	830.03	-	3,119.16	6,907.47	-	-
US 20									
928+00.00	955+47.00	RT	0.21	82.72	-	-	-	-	-
WELD ROAD									
40+84.82	46+29.52	RT	-	408.61	-	-	5,648.45	-	-
46+58.05	-	RT	-	-	16.00	-	-	-	-
47+43.84	-	RT	-	-	-	-	-	1	-
47+48.97	72+91.30	RT	0.20	78.96	-	-	-	-	-
47+71.07	-	RT	-	-	-	-	-	1	-
47+87.94	-	RT	-	-	-	-	-	-	-
47+89.77	48+68.87	LT	-	-	-	-	-	-	-
48+21.29	-	LT	-	-	-	-	-	-	-
48+60.43	-	LT	-	-	16.00	-	-	-	-
48+90.44	-	LT	-	-	-	-	-	-	-
49+21.13	-	LT	-	-	-	-	-	-	-
49+52.01	-	LT	-	-	16.00	-	-	-	-

TEMPORARY EROSION CONTROL SCHEDULE OF QUANTITIES (CONTD.)									
LOCATION			MULCH, METHOD 2 (25100115)	TEMPORARY EROSION CONTROL SEEDING (28000250)	TEMPORARY DITCH CHECKS (28000305)	PERIMETER EROSION BARRIER (28000400)	TEMPORARY EROSION CONTROL BLANKET (28001100)	INLET FILTERS (28000510)	FABRIC FORMED CONCRETE REVET. MAT (28500100)
STATION FROM	STATION TO	OFFSET	ACRE	POUND	FOOT	FOOT	SQ YD	EACH	SQ YD
61+69.30	-	LT	-	-	-	-	-	2	-
63+50.00	-	LT	-	-	8.00	-	-	-	-
63+69.29	-	LT	-	-	-	-	-	1	-
63+69.30	-	LT	-	-	-	-	-	1	-
64+19.30	-	LT	-	-	-	-	-	1	-
64+43.74	-	LT	-	-	-	-	-	1	-
65+50.00	-	LT	-	-	8.00	-	-	-	-
65+69.30	-	LT	-	-	-	-	-	1	-
66+44.30	-	LT	-	-	-	-	-	1	-
66+77.39	-	LT	-	-	-	-	-	1	-
66+97.39	-	LT	-	-	-	-	-	1	-
67+06.30	-	LT	-	-	-	-	-	1	-
67+06.34	-	LT	-	-	-	-	-	1	-
67+06.36	-	LT	-	-	-	-	-	1	-
67+50.00	-	LT	-	-	10.00	-	-	-	-
68+71.75	-	LT	-	-	-	-	-	1	-
69+19.31	-	LT	-	-	-	-	-	1	-
69+50.00	-	LT	-	-	8.00	-	-	-	-
70+69.30	-	LT	-	-	-	-	-	1	-
71+50.00	-	LT	-	-	8.00	-	-	-	-
71+63.30	-	LT	-	-	-	-	-	1	-
TOTAL			1.02	2,643.99	234.00	6,582.99	27,070.16	43	610.93
10% CONTINGENCY			0.10	264.40	23.40	658.30	2,707.02	4.3	61.09
ROUNDED TOTAL			1.25	2,909.00	258.00	7,242	29,780.00	48.00	672.50

TEMPORARY EROSION CONTROL SCHEDULE OF QUANTITIES (CONTD.)	
LOCATION	SEDIMENT CONTROL, STABILIZED CONST. ENTRANCE (Z0013796)
JOBSITE	SQ YD
TOTAL	300.00
10% CONTINGENCY	30.00
ROUNDED TOTAL	330.00

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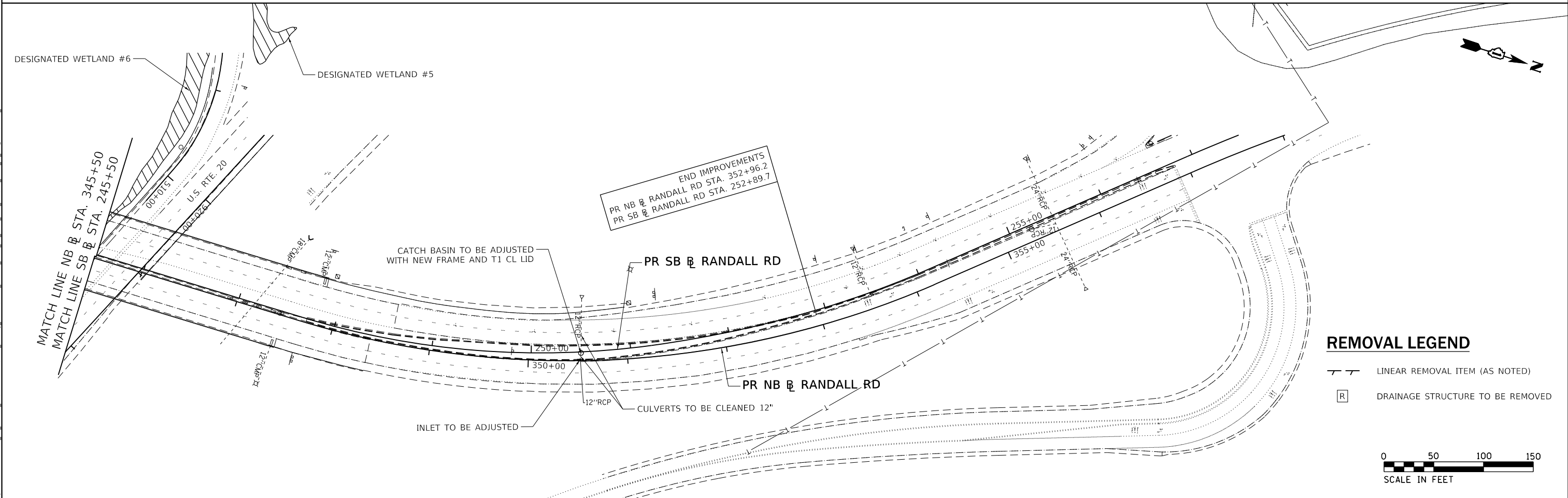
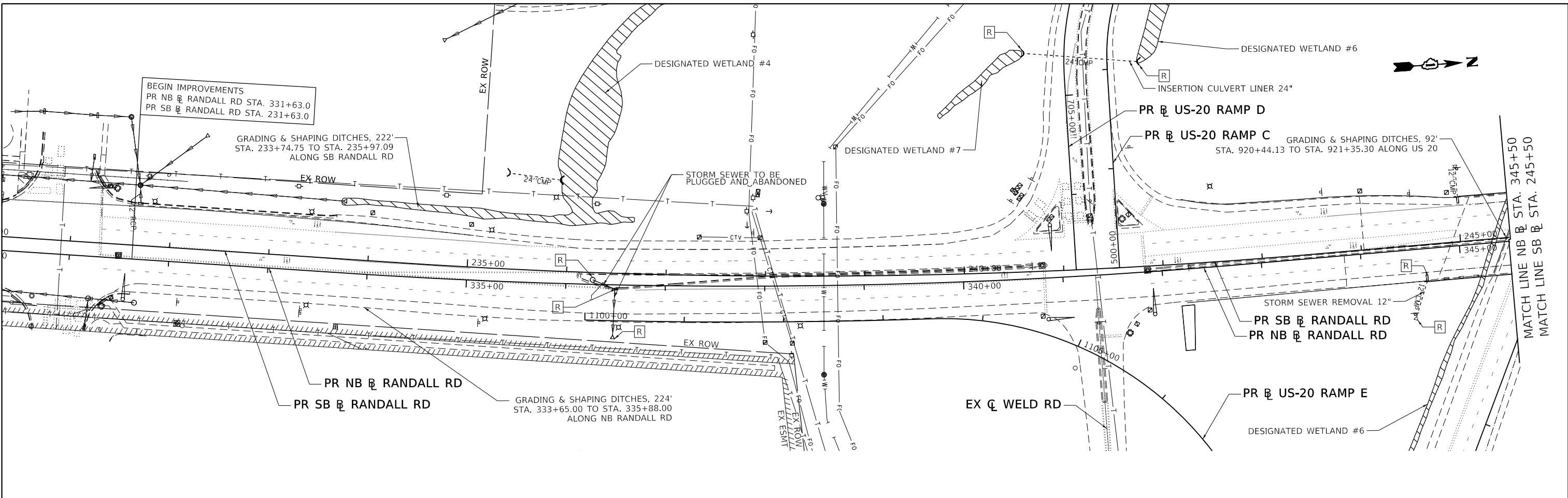
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PLOT DATE = 01-03-19	CHECKED - ST	REVISED -
	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY EROSION CONTROL SCHEDULE OF QUANTITIES
RANDALL ROAD, RAMP C, D & E, US-20 AND WELD ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	67
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- LINEAR REMOVAL ITEM (AS NOTED)
- DRAINAGE STRUCTURE TO BE REMOVED

0 50 100 150
SCALE IN FEET

LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

USER NAME = lin43
DESIGNED - JR
DRAWN - JR
PLLOT SCALE = 100,0001' / in.
CHECKED - SGL
PLLOT DATE = 01-03-19

REVISED -
REVISED -
REVISED -
REVISED -
DATE - 01-03-19

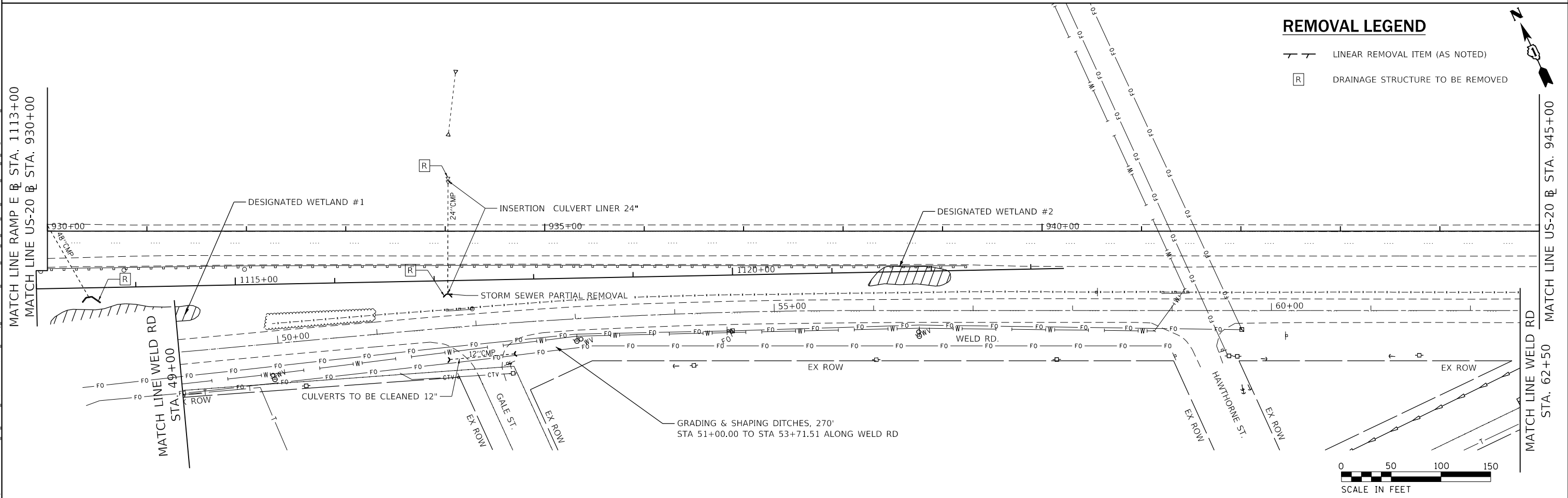
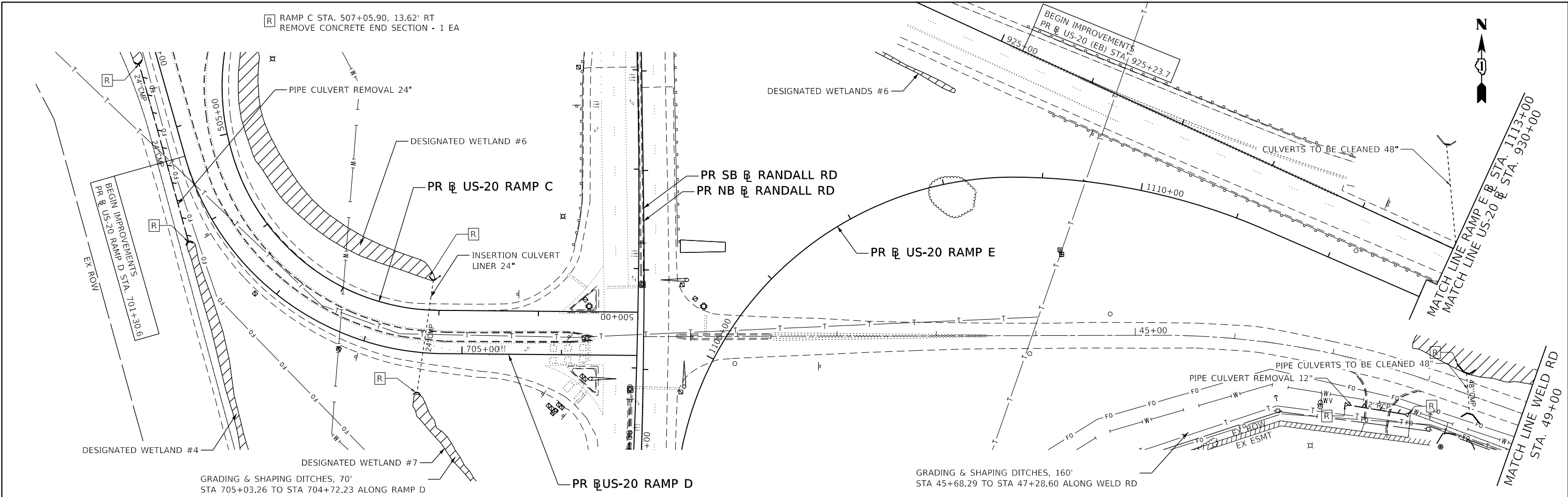
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE REMOVALS, CLEANING, ADJUSTMENTS PLAN
RANDALL ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	68
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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REMOVAL LEGEND

- LINEAR REMOVAL ITEM (AS NOTED)
- DRAINAGE STRUCTURE TO BE REMOVED



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 USER: jkane
 PLOT DATE: 01-03-19

LI ENGINEERING, LTD.
 Consulting Engineers
 Westmont, Illinois

USER NAME = jkane	DESIGNED - JR	REVISED -
DRAWN - JR	CHECKED - SGL	REVISED -
PLOT SCALE = 100,000.1' / in.	DATE - 01-03-19	REVISED -
PLOT DATE = 01-03-19		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

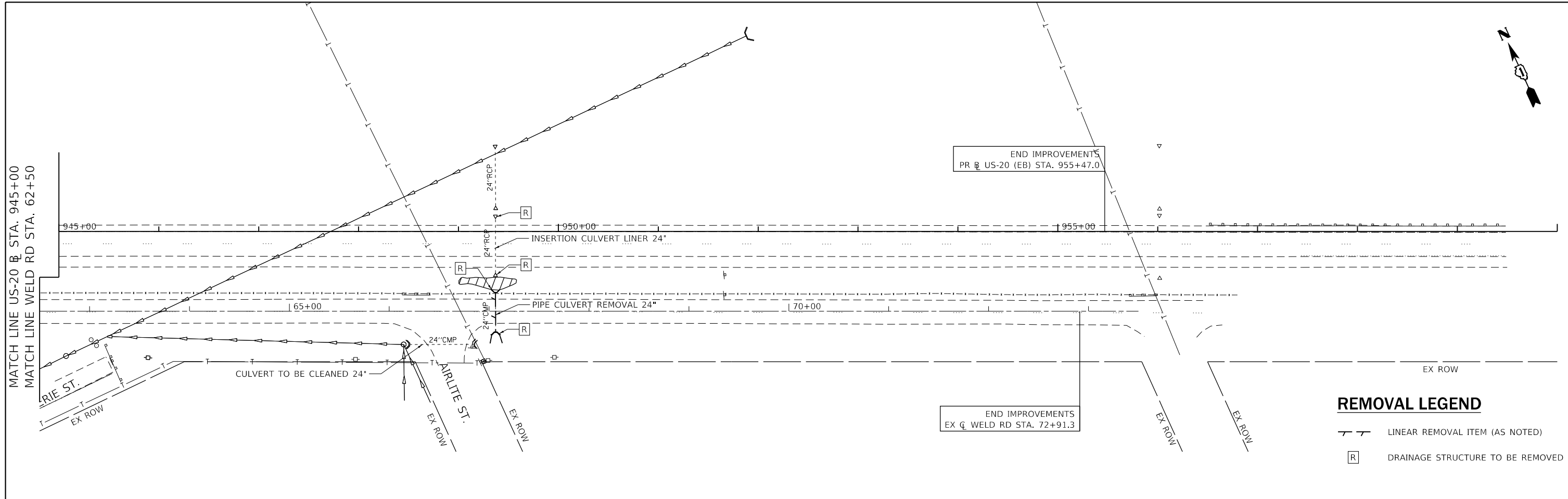
**DRAINAGE REMOVALS, CLEANING, ADJUSTMENTS PLAN
 US-20, RAMPS C D & E, AND WELD ROAD**

SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. SEE PLAN TO STA. SEE PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	69
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MATCH LINE US-20 @ STA. 945+00
 MATCH LINE WELD RD STA. 62+50

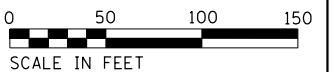


END IMPROVEMENTS
 PR @ US-20 (EB) STA. 955+47.0

END IMPROVEMENTS
 EX @ WELD RD STA. 72+91.3

REMOVAL LEGEND

- LINEAR REMOVAL ITEM (AS NOTED)
- DRAINAGE STRUCTURE TO BE REMOVED



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Lin Engineering, Ltd.
 Consulting Engineers
 Westmont, Illinois

USER NAME = lin43	DESIGNED - JR	REVISED -
DRAWN - JR	DRAWN - JR	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE REMOVALS, CLEANING, ADJUSTMENTS PLAN
 US-20 AND WELD ROAD**

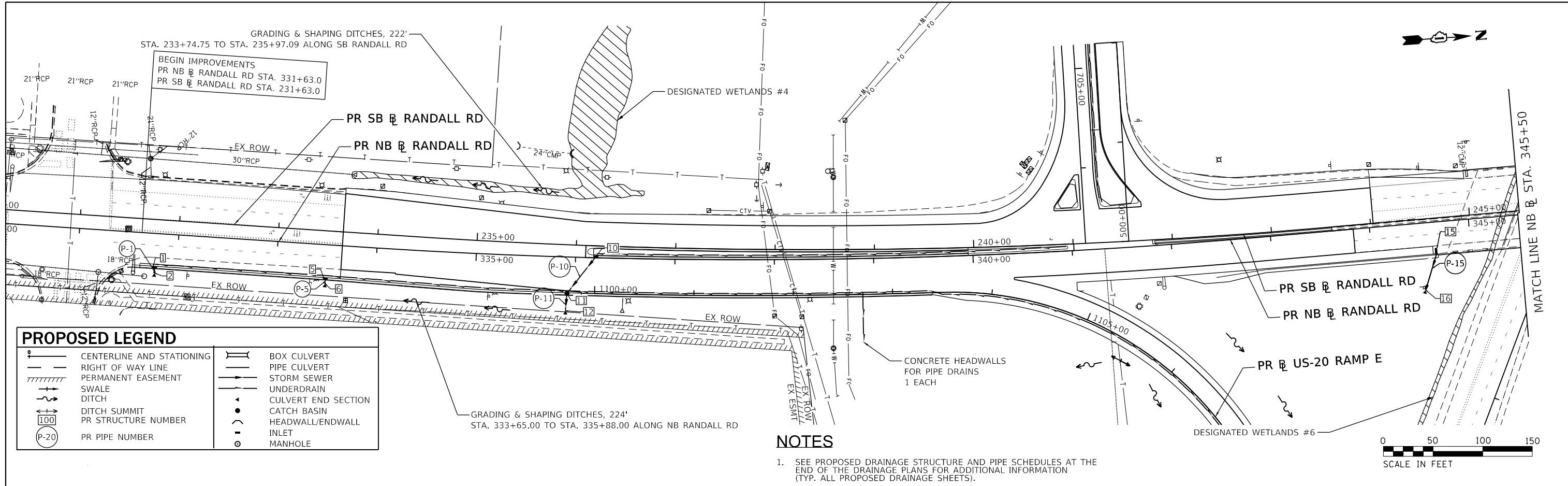
SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	70
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNMENT CHECKED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	CADD FILE NAME
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
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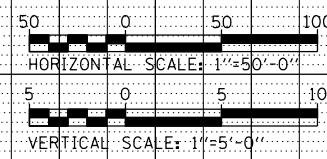
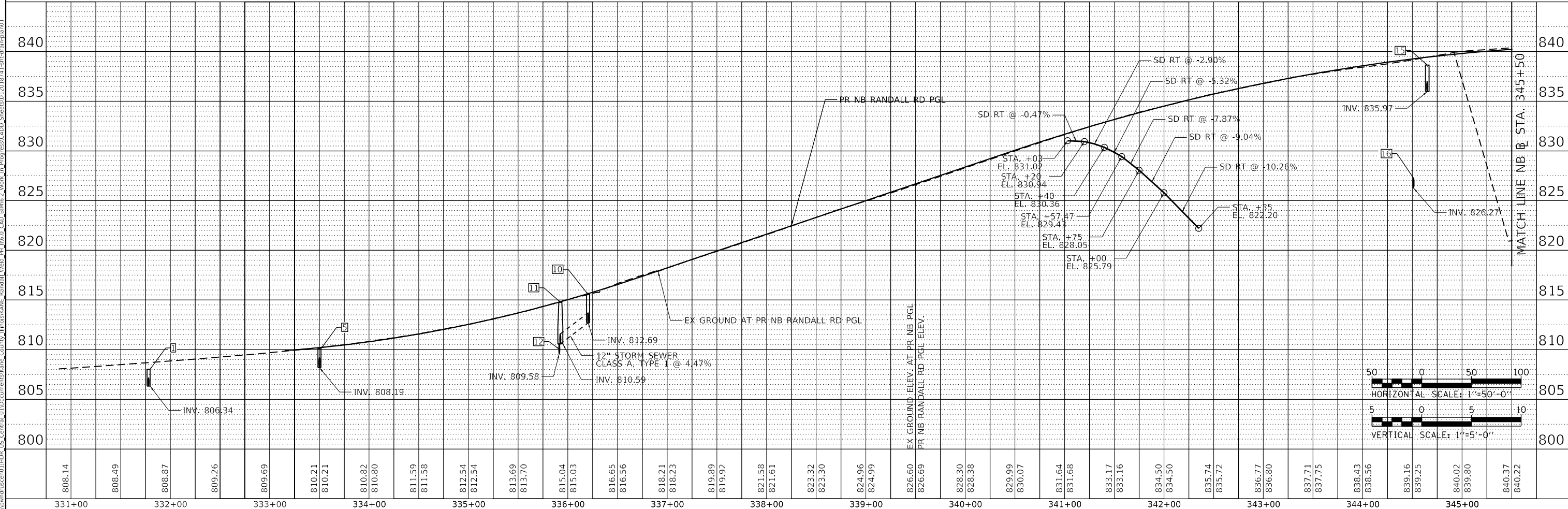
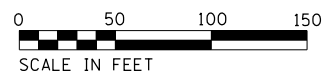


PROPOSED LEGEND

	CENTERLINE AND STATIONING		BOX CULVERT
	RIGHT OF WAY LINE		PIPE CULVERT
	PERMANENT EASEMENT		STORM SEWER
	SWALE		UNDERDRAIN
	DITCH		CULVERT END SECTION
	DITCH SUMMIT		CATCH BASIN
	PR STRUCTURE NUMBER		HEADWALL/ENDWALL
	PR PIPE NUMBER		INLET
			MANHOLE

NOTES

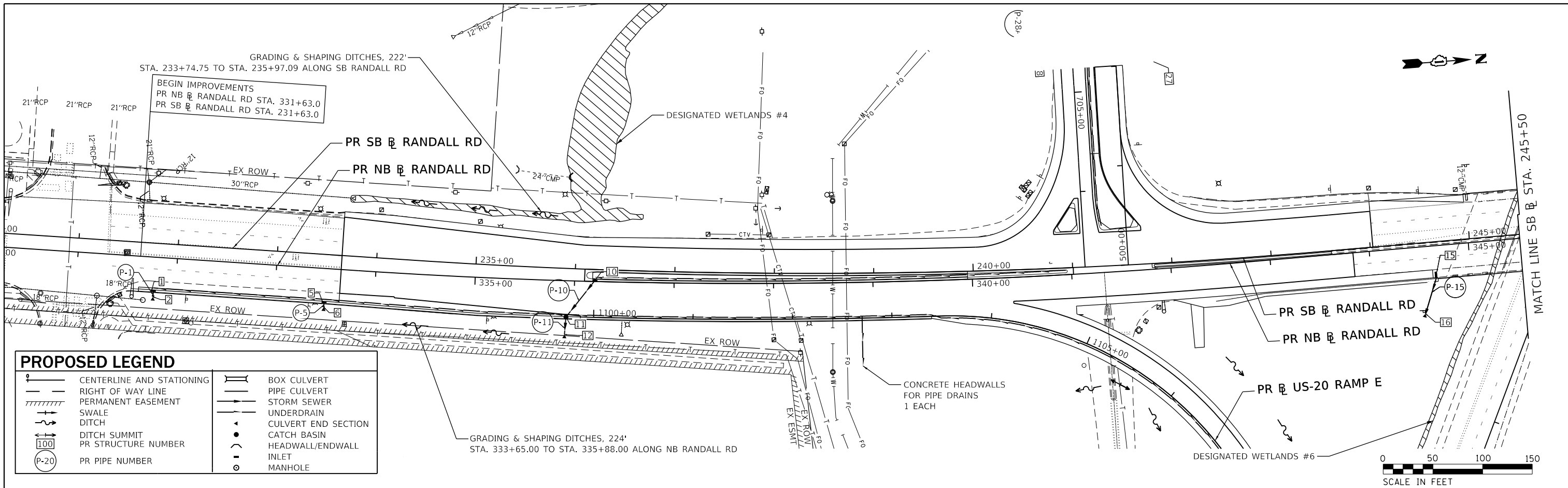
- SEE PROPOSED DRAINAGE STRUCTURE AND PIPE SCHEDULES AT THE END OF THE DRAINAGE PLANS FOR ADDITIONAL INFORMATION (TYP. ALL PROPOSED DRAINAGE SHEETS).



LIN ENGINEERING, LTD. Consulting Engineers Westmont, Illinois	USER NAME = lin43	DESIGNED - JR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PLAN AND PROFILE RANDALL ROAD	F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 71		
	PLOT SCALE = 100,000.1' / in.	CHECKED - SGL	REVISED -			SCALE: 1" = 50'	SHEET 1 OF 12 SHEETS	STA. SEE PLANS	TO STA. SEE PLANS	CONTRACT NO. 61F57		
	PLOT DATE = 01-03-19	DATE -01-03-19	REVISED -			REVISED -	FED. ROAD DIST. NO. 1			ILLINOIS	FED. AID PROJECT	

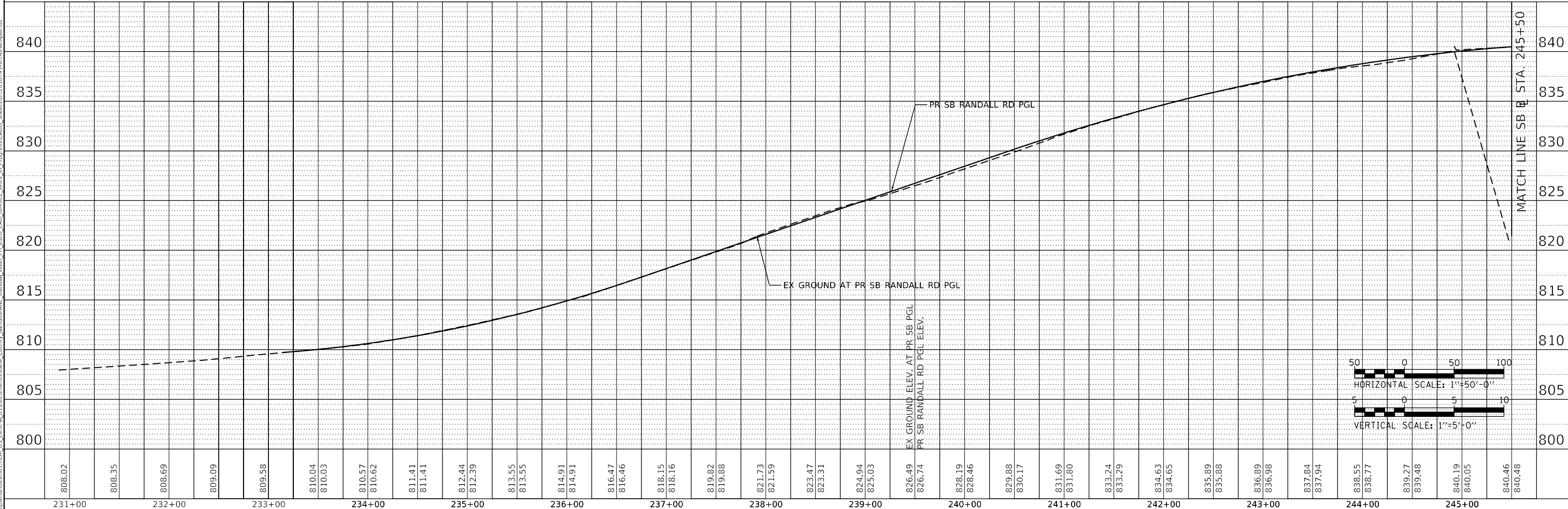
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	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. _____	
	NOTE BOOK	
	NO. _____	
	CADD FILE NAME	
	NO. _____	

PROFILE	SURVISED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHANGED	
	NO. _____	
	NOTE BOOK	
	NO. _____	



PROPOSED LEGEND

—+—	CENTERLINE AND STATIONING	—	BOX CULVERT
- - -	RIGHT OF WAY LINE	—	PIPE CULVERT
	PERMANENT EASEMENT	—	STORM SEWER
—+—	SWALE	—	UNDERDRAIN
—+—	DITCH	—	CULVERT END SECTION
—+—	DITCH SUMMIT	▲	CATCH BASIN
100	PR STRUCTURE NUMBER	○	HEADWALL/ENDWALL
(P-20)	PR PIPE NUMBER	○	INLET
		○	MANHOLE



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Westmont, Illinois

USER NAME = lin43	DESIGNED - JR	REVISED -
	DRAWN - JR	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -

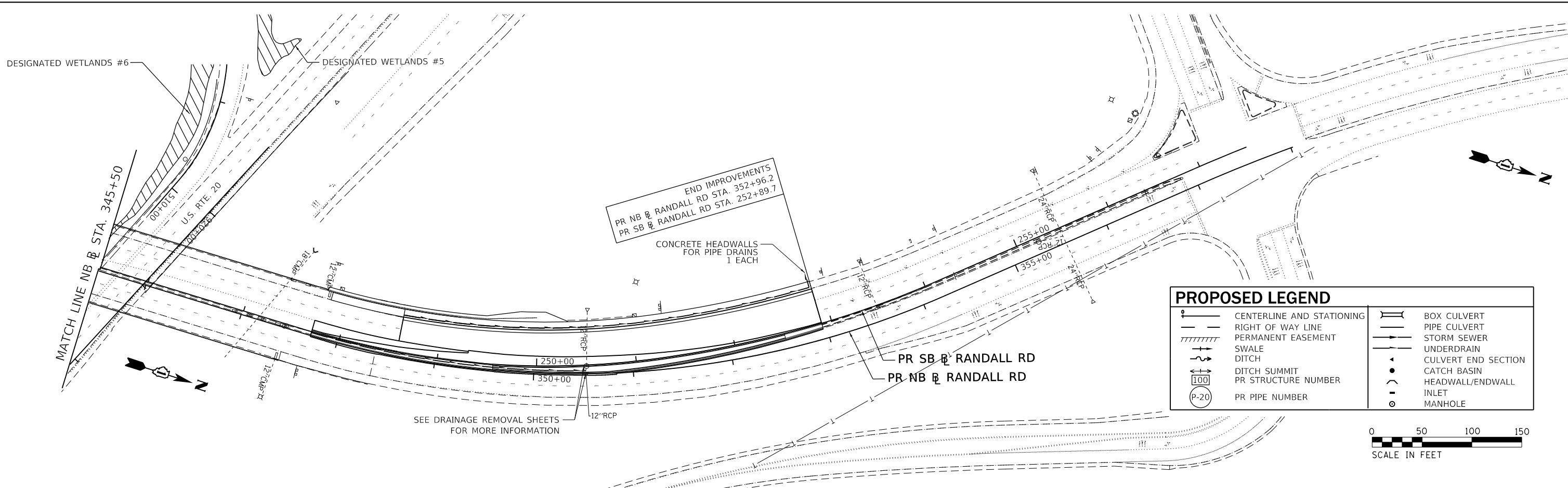
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN AND PROFILE
RANDALL ROAD**

SCALE: 1" = 50' SHEET 2 OF 12 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	72
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
	BY	
	PLOTTED	
	ALIGNED	
	CHECKED	
	CADD FILE NAME	
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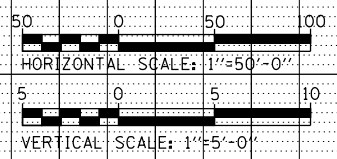
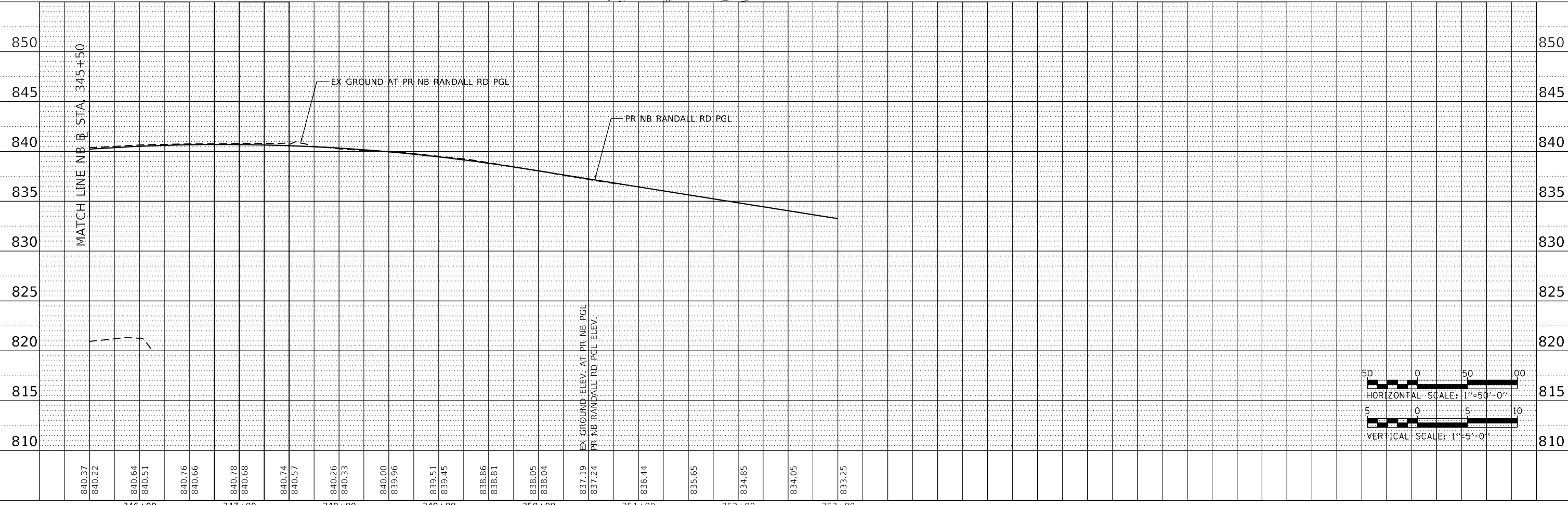


PROPOSED LEGEND

	CENTERLINE AND STATIONING		BOX CULVERT
	RIGHT OF WAY LINE		PIPE CULVERT
	PERMANENT EASEMENT		STORM SEWER
	SWALE		UNDERDRAIN
	DITCH		CULVERT END SECTION
	DITCH SUMMIT		CATCH BASIN
	PR STRUCTURE NUMBER		HEADWALL/ENDWALL
	PR PIPE NUMBER		INLET
			MANHOLE



PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

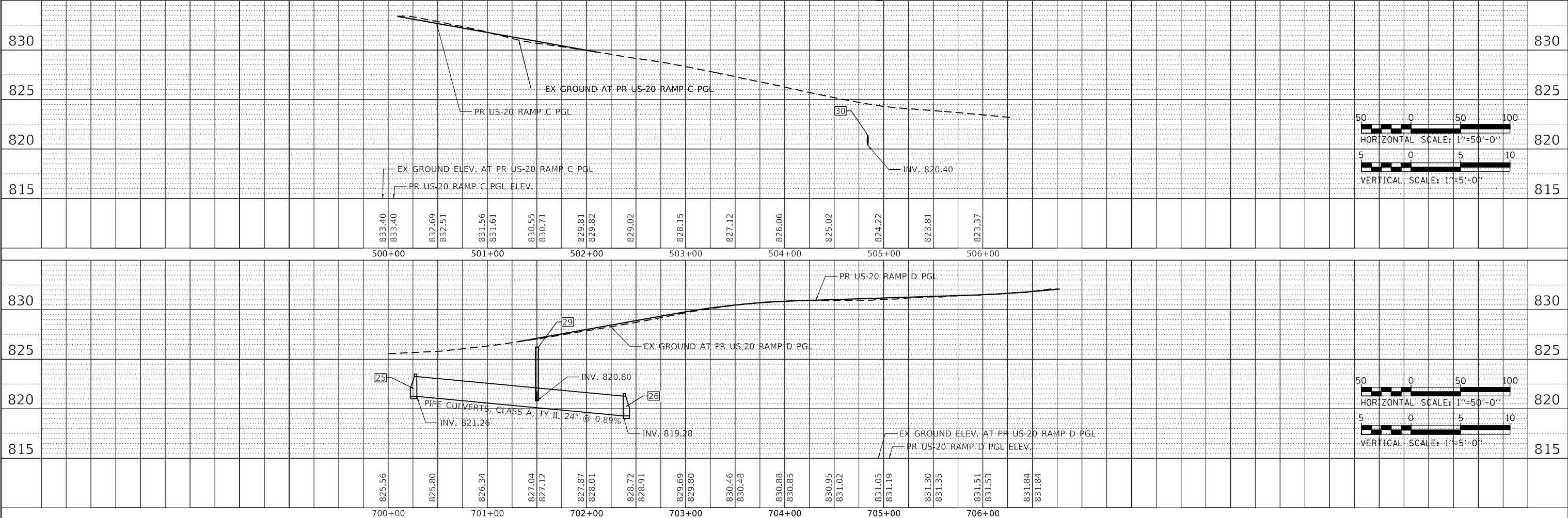
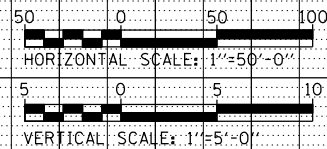
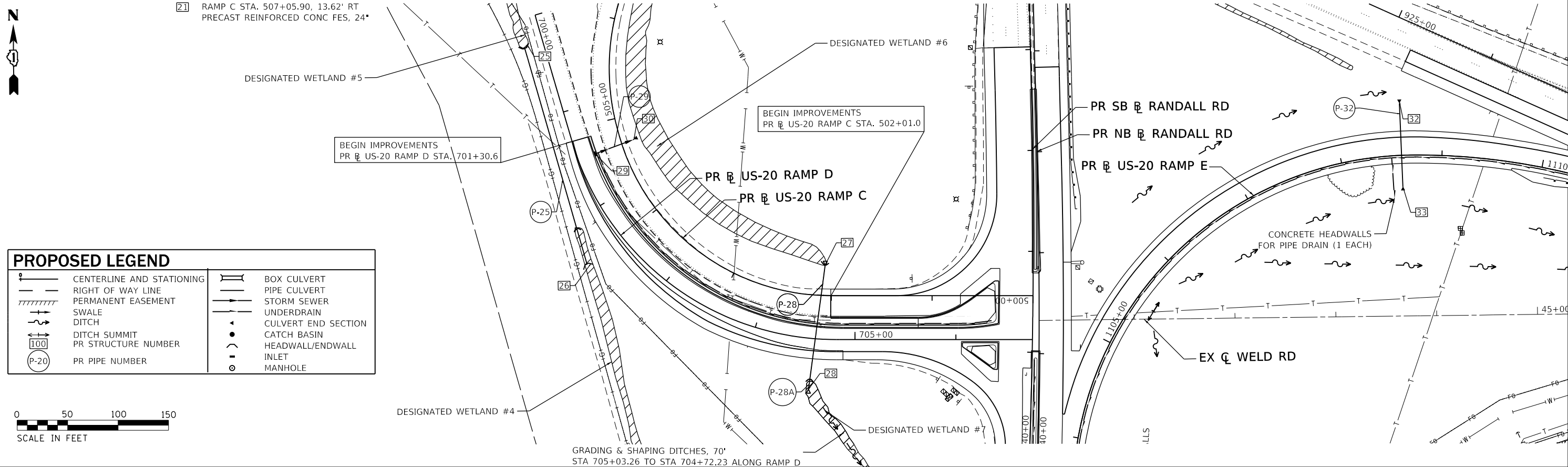


 LIN ENGINEERING, LTD. Consulting Engineers Westmont, Illinois	USER NAME = lin43 DESIGNED - JR DRAWN - JR CHECKED - SGL DATE - 01-03-19	REVISIONS: REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PLAN AND PROFILE RANDALL ROAD	F.A.P. RTE. 336/345 SECTION 14-00446-00-CH COUNTY KANE TOTAL SHEETS 354 SHEET NO. 73
	SCALE: 1" = 50' SHEET 3 OF 12 SHEETS STA. SEE PLANS TO STA. SEE PLANS	CONTRACT NO. 61F57 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	NO.	
	FILE NAME	

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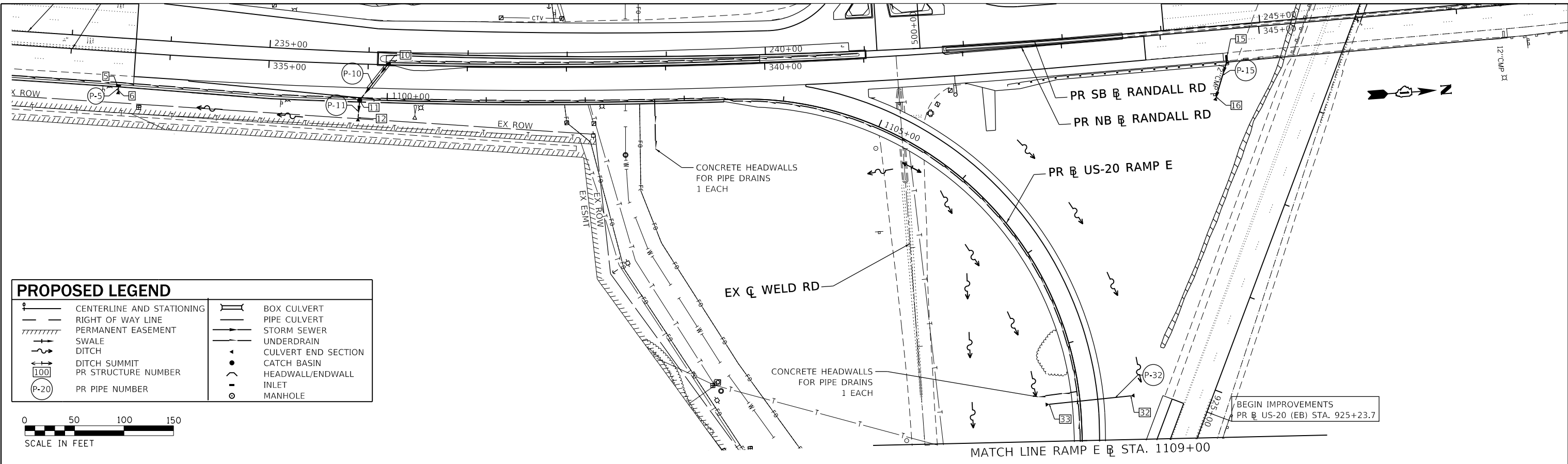


	USER NAME = lin43	DESIGNED - JR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PLAN AND PROFILE US-20 RAMPS C AND D			F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 75				
	PLOT SCALE = 100,000.2' / in.	CHECKED - SGL	REVISED -					SCALE: 1" = 50'	SHEET 5 OF 12 SHEETS	STA. SEE PLANS TO STA. SEE PLANS	CONTRACT NO. 61F57					
	PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

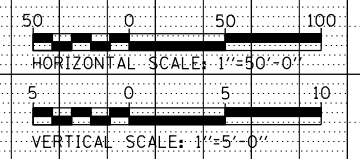
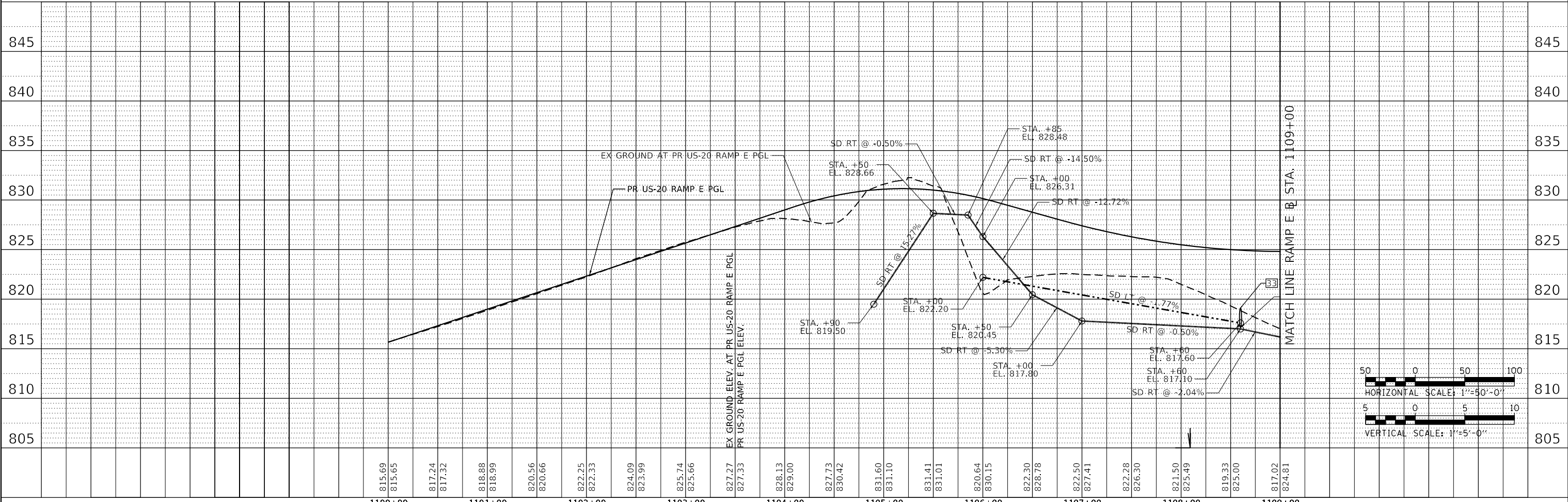
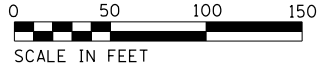
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	GRADES CHECKED	
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PROPOSED LEGEND	
	CENTERLINE AND STATIONING
	RIGHT OF WAY LINE
	PERMANENT EASEMENT
	SWALE
	DITCH
	DITCH SUMMIT
	PR STRUCTURE NUMBER
	PR PIPE NUMBER
	BOX CULVERT
	PIPE CULVERT
	STORM SEWER
	UNDERDRAIN
	CULVERT END SECTION
	CATCH BASIN
	HEADWALL/ENDWALL
	INLET
	MANHOLE



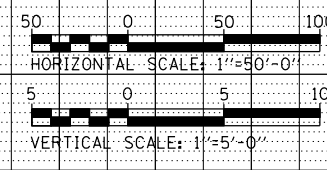
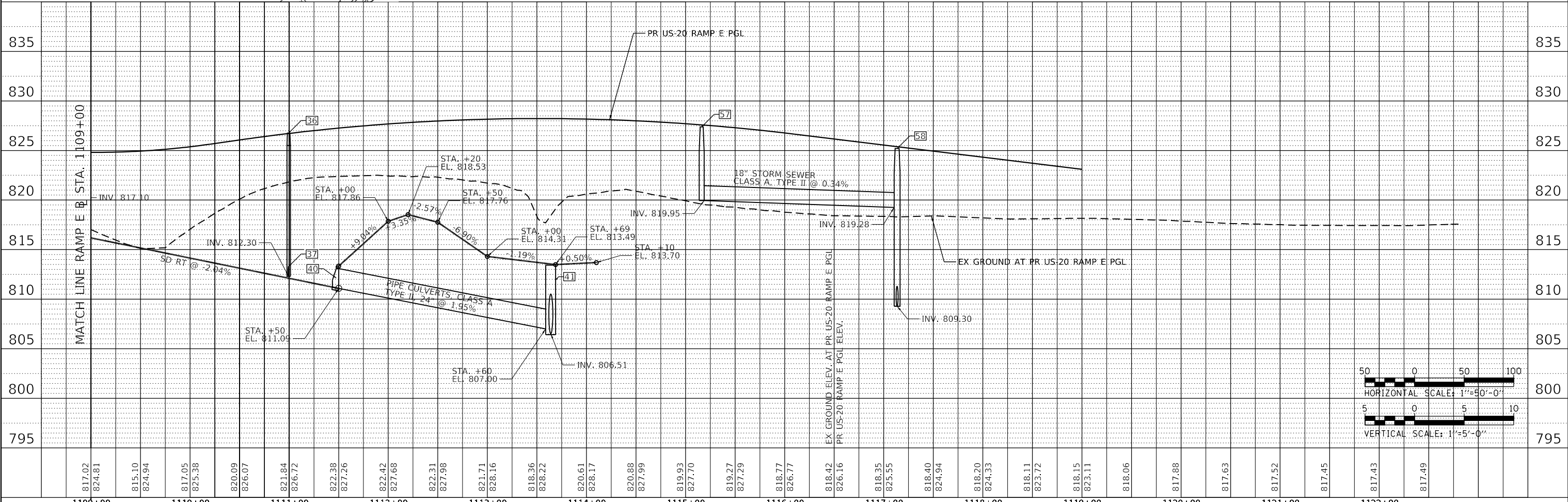
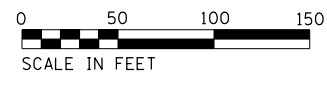
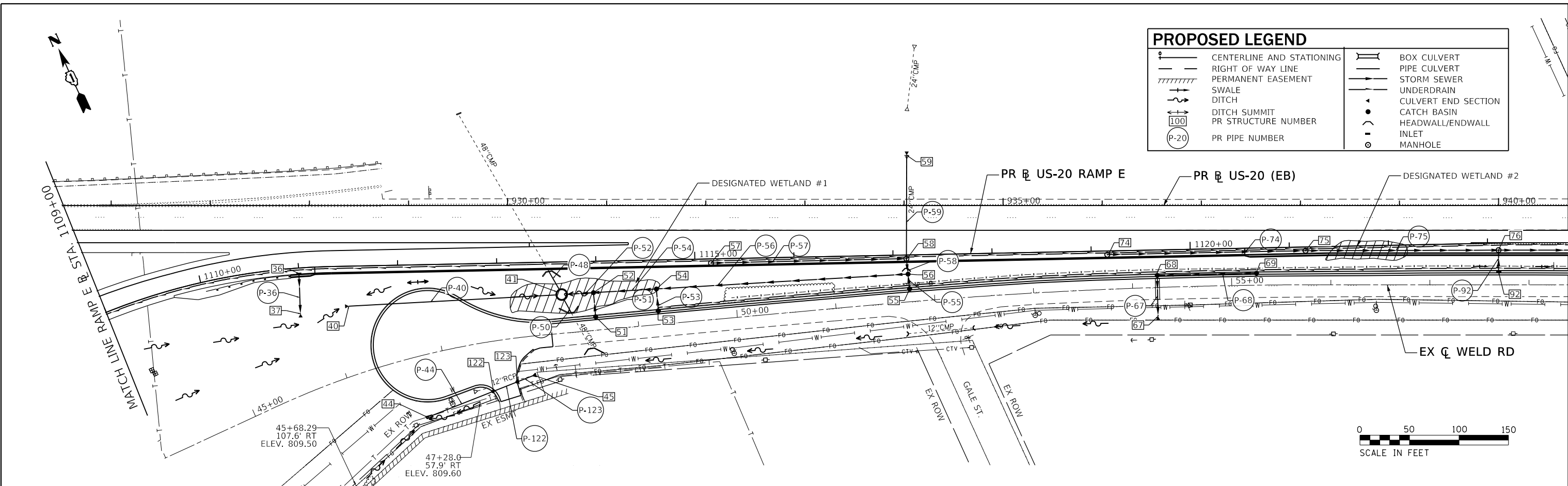
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	PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -		SCALE: 1" = 50'	SHEET 6 OF 12 SHEETS	STA. SEE PLANS TO STA. SEE PLANS	CONTRACT NO. 61F57					
	PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	FILED	
	NO.	

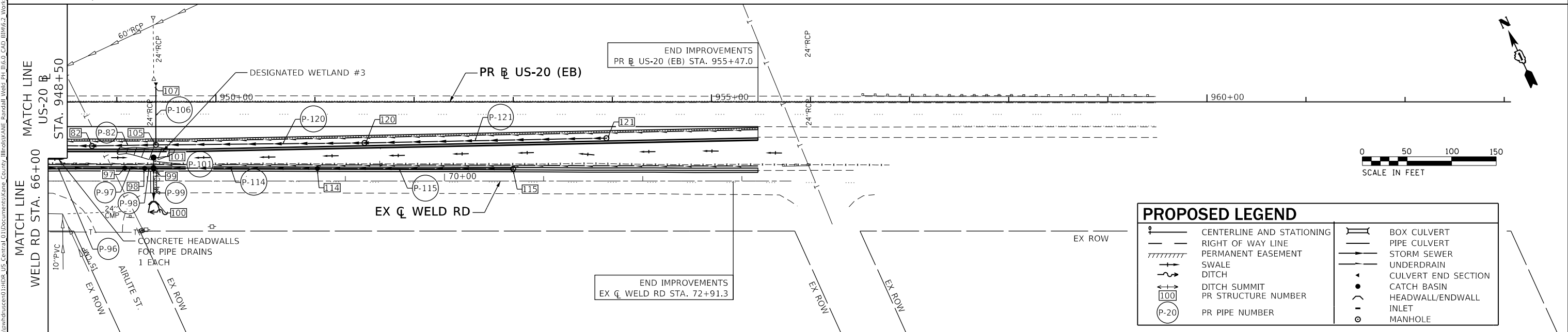
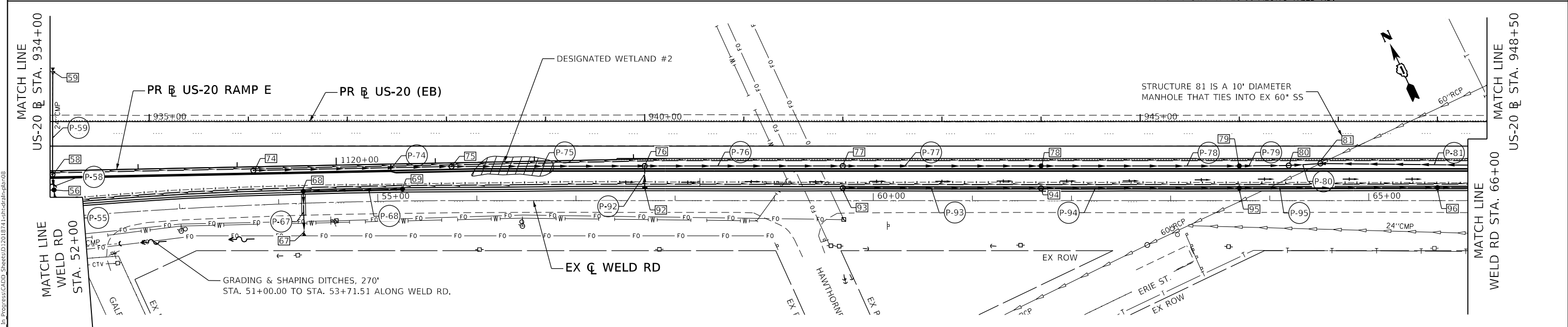
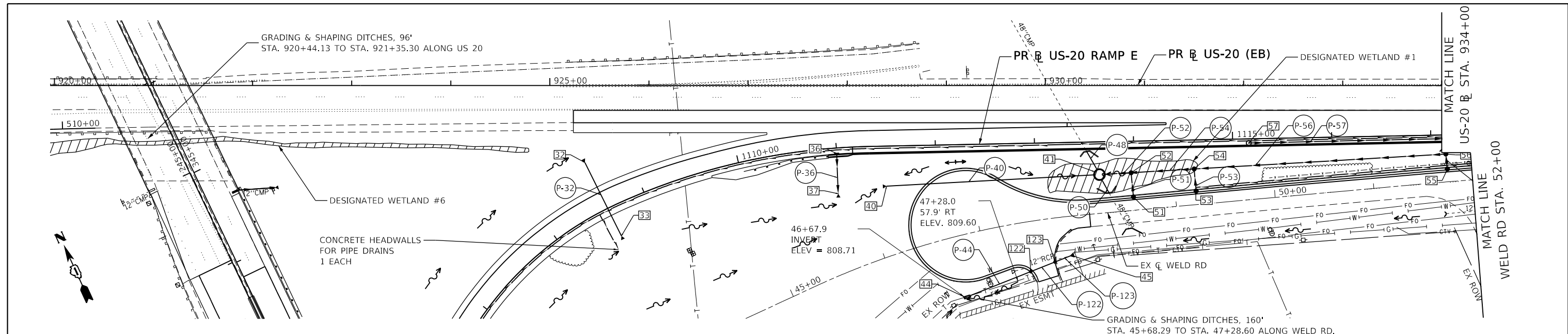
PROPOSED LEGEND

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	RIGHT OF WAY LINE		PIPE CULVERT
	PERMANENT EASEMENT		STORM SEWER
	SWALE		UNDERDRAIN
	DITCH		CULVERT END SECTION
	DITCH SUMMIT		CATCH BASIN
	PR STRUCTURE NUMBER		HEADWALL/ENDWALL
	PR PIPE NUMBER		INLET
			MANHOLE

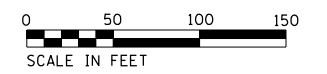


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LIN ENGINEERING, LTD. Consulting Engineers Westmont, Illinois	USER NAME = lin43	DESIGNED - JR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PLAN AND PROFILE US-20 RAMP E	F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 77			
	PLOT SCALE = 100,0002' / in.	CHECKED - SGL	REVISED -			SCALE: 1" = 50'	SHEET 7 OF 12 SHEETS	STA. 1109+00.0 TO STA. 1123+33.3	CONTRACT NO. 61F57				
	PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



PROPOSED LEGEND	
	CENTERLINE AND STATIONING
	RIGHT OF WAY LINE
	PERMANENT EASEMENT
	SWALE
	DITCH
	DITCH SUMMIT
	PR STRUCTURE NUMBER
	PR PIPE NUMBER
	BOX CULVERT
	PIPE CULVERT
	STORM SEWER
	UNDERDRAIN
	CULVERT END SECTION
	CATCH BASIN
	HEADWALL/ENDWALL
	INLET
	MANHOLE



LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

USER NAME = lin43	DESIGNED - JR	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JR	REVISED -
PLOT DATE = 01-03-19	CHECKED - SGL	REVISED -
	DATE - 01-03-19	REVISED -

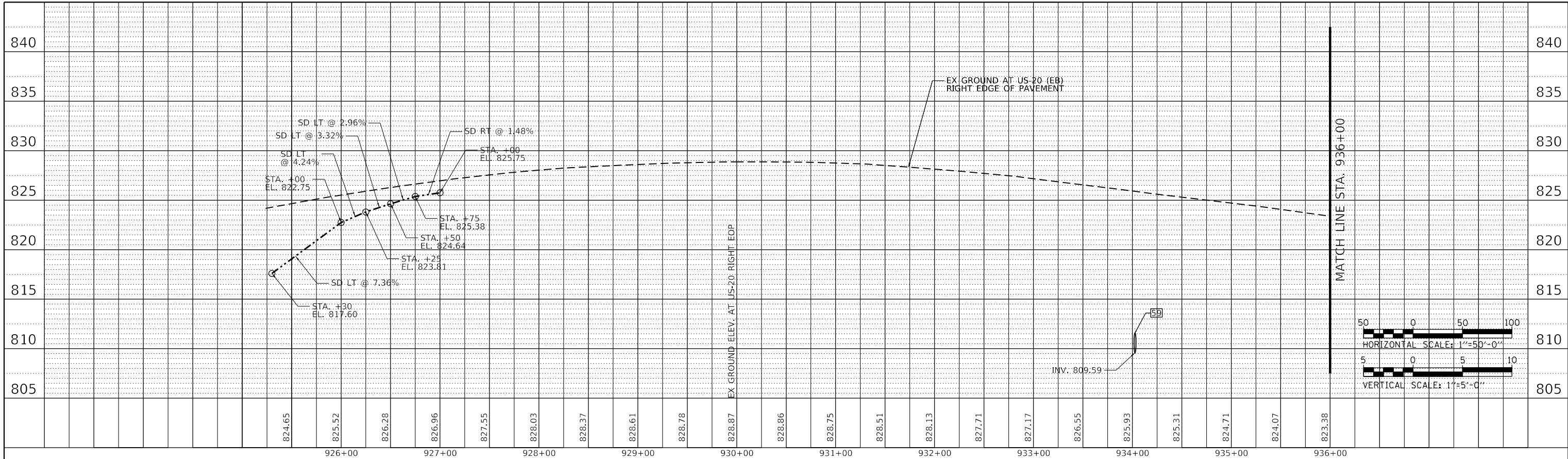
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN
US-20 AND WELD ROAD

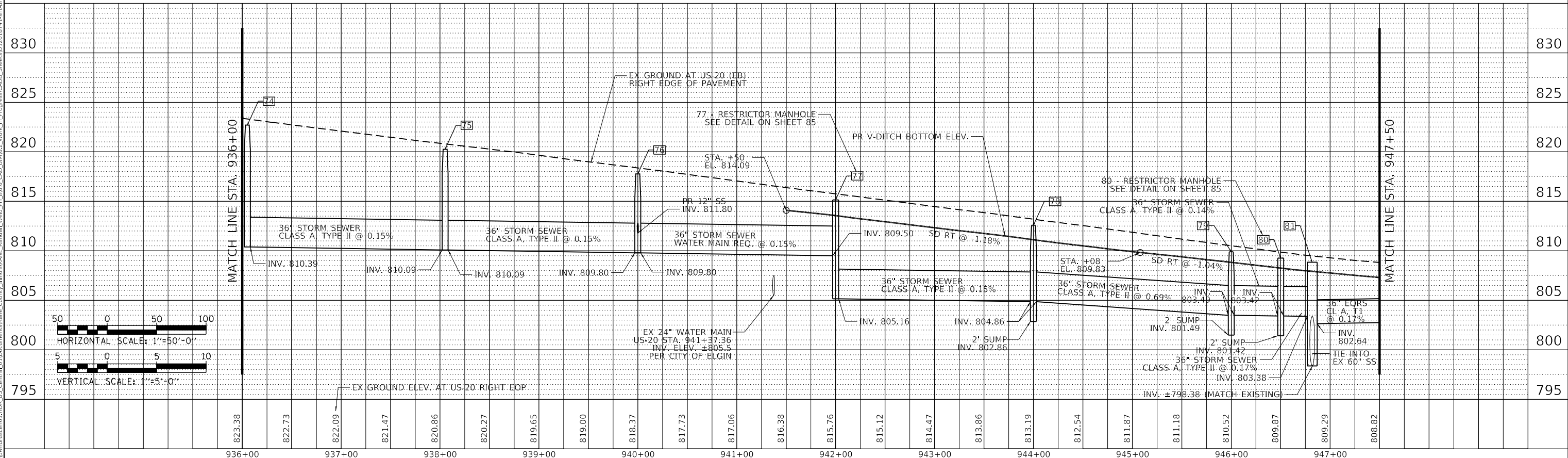
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	78
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		



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USER NAME = lin43	DESIGNED - JR	REVISED -
	DRAWN - JR	REVISED -
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PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PROFILE
 US-20

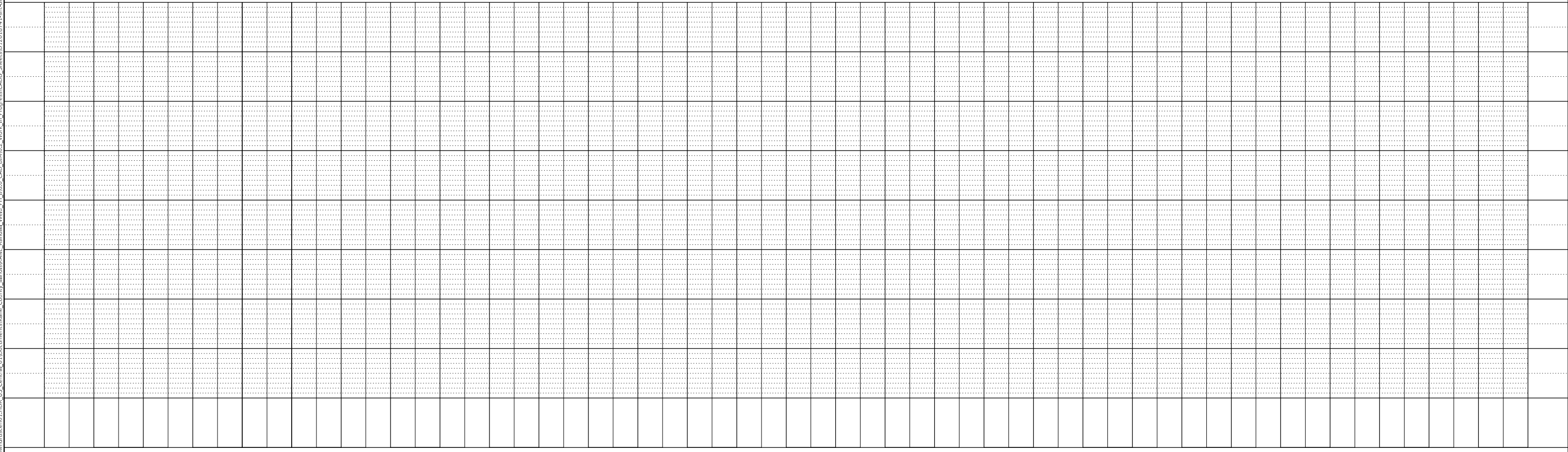
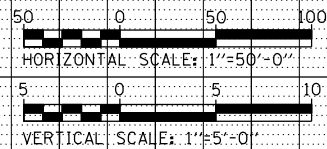
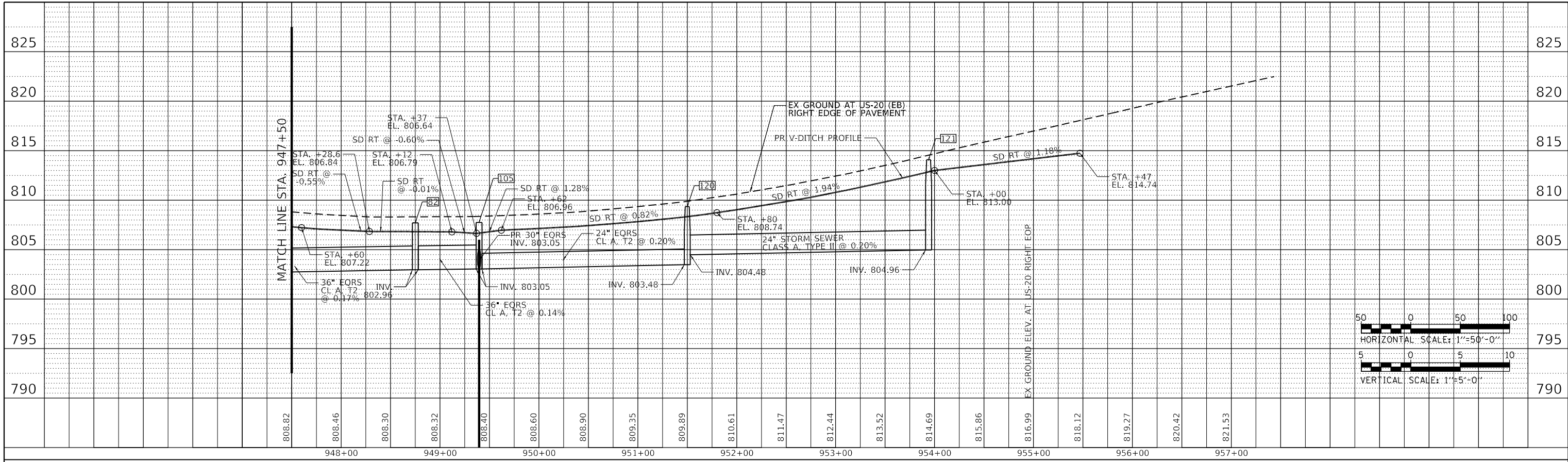
SCALE: 1" = 50' SHEET 9 OF 12 SHEETS STA. 925+23.7 TO STA. 947+00.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	79
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
NOTE BOOK NO.		

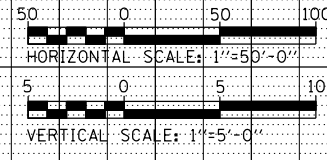
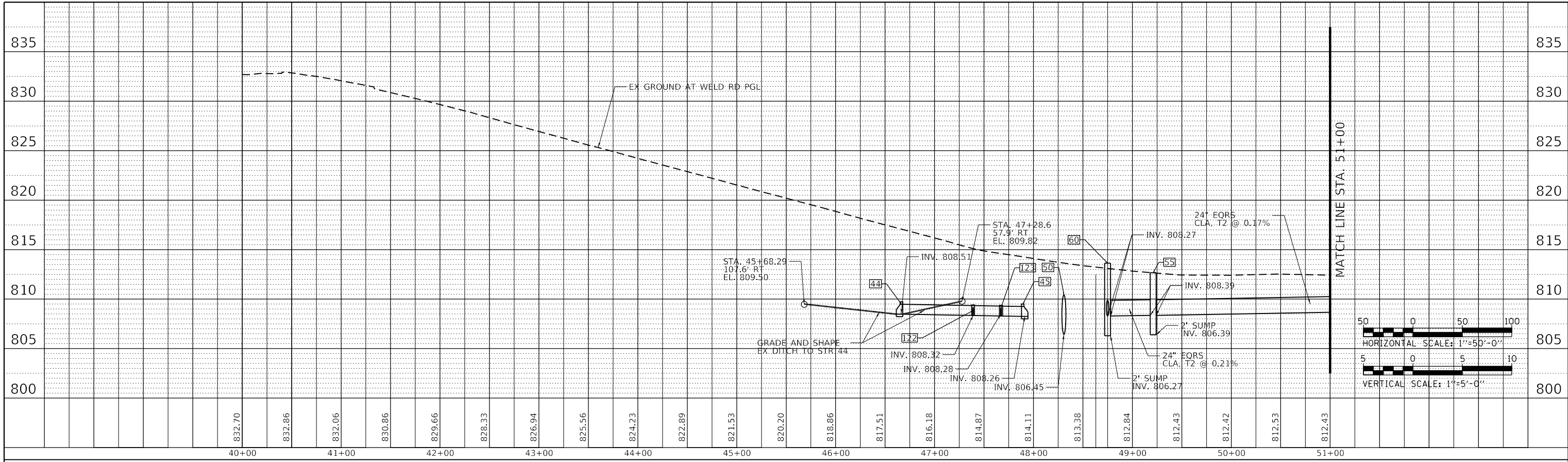
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NOTE BOOK NO.		

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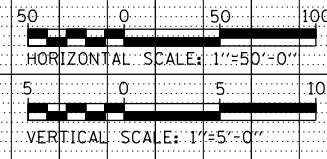
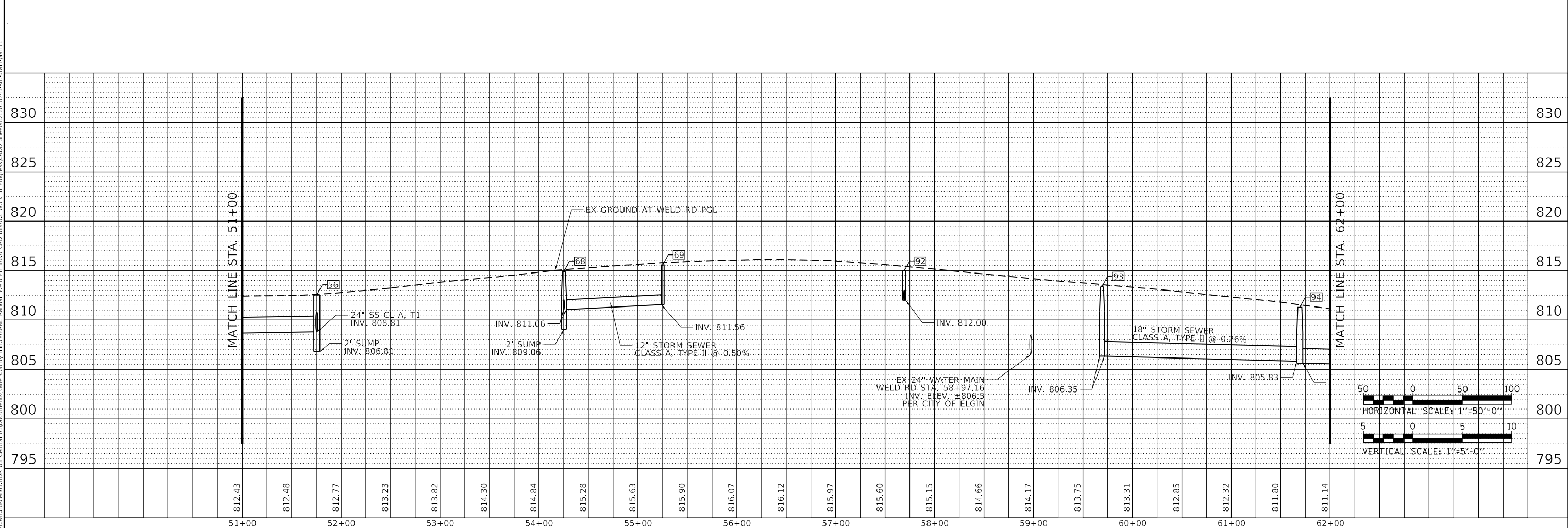


LIN ENGINEERING, LTD. Consulting Engineers Westmont, Illinois	USER NAME = lin43	DESIGNED - JR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PROFILE US-20				F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 80
	PLOT SCALE = 100,0000 ' / in.	CHECKED - SGL	REVISED -		SCALE: 1" = 50'	SHEET 10 OF 12 SHEETS	STA. 947+00.0 TO STA. 957+43.4	CONTRACT NO. 61F57					
	PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		



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USER NAME = lin43	DESIGNED - JR	REVISED -
	DRAWN - JR	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PROFILE
WELD RD**

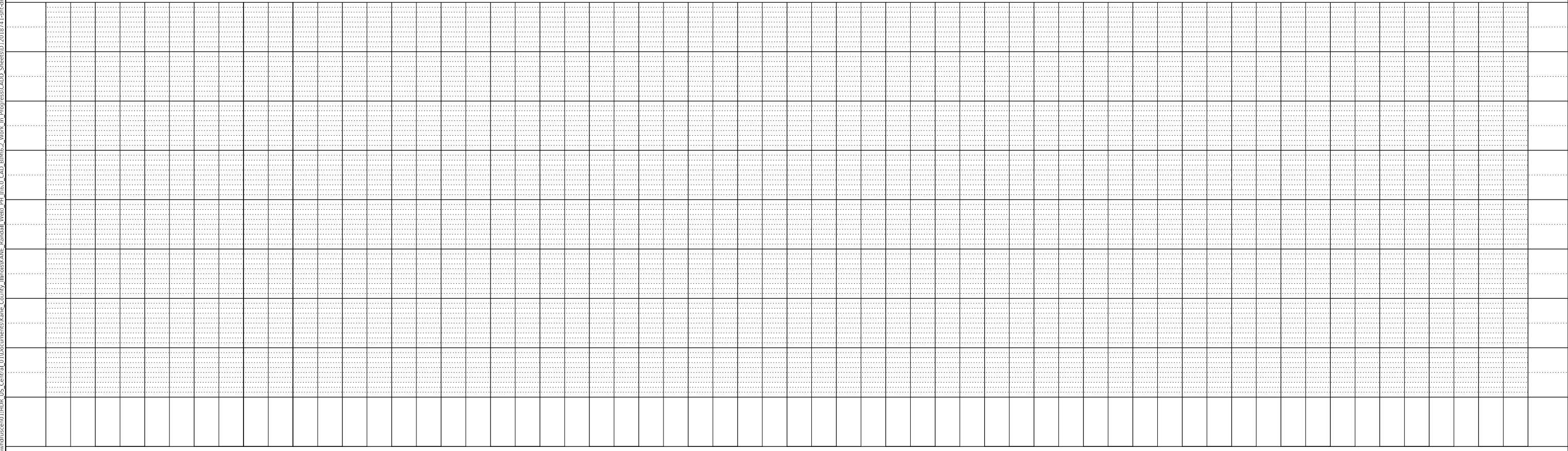
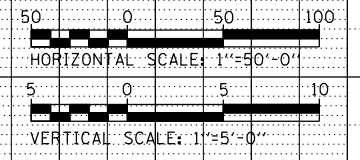
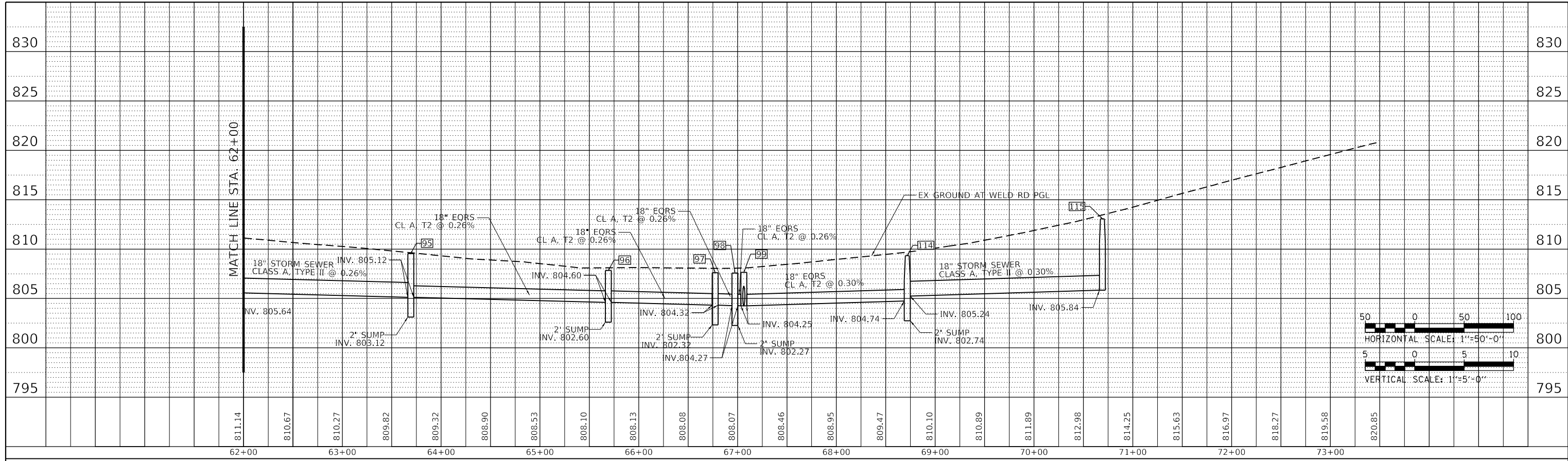
SCALE: 1" = 50' SHEET 11 OF 12 SHEETS STA. 40+00.0 TO STA. 62+00.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	81
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
NOTE BOOK NO.			

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
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NOTE BOOK NO.			

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 Westmont, Illinois

USER NAME = lin43	DESIGNED - JR	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JR	REVISED -
PLOT DATE = 01-03-19	CHECKED - SGL	REVISED -
	DATE - 01-03-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PROFILE WELD RD			
SCALE: 1" = 50'	SHEET 12 OF 12 SHEETS	STA. 60+00,0	TO STA. 73+50,0

F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 82
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROPOSED DRAINAGE STRUCTURE SCHEDULE

DRAINAGE NOTES:

- RIM ELEVATIONS AND OFFSETS FOR STRUCTURES LOCATED ALONG CURB AND GUTTER SECTIONS ARE GIVEN AT THE EDGE OF PAVEMENT/CURB LINE.
- OFFSETS FOR STRUCTURES NOT LOCATED IN CURB AND GUTTER ARE GIVEN AT THE CENTER OF STRUCTURE. RIM ELEVATIONS FOR THESE STRUCTURES ARE GIVEN AT THE FLOWLINE OF BARRIER WALL / SHOULDER.

STRUCTURE NUMBER	REFERENCE LINE	STATION	OFFSET	PAY ITEM	STRUCTURE TYPE	ELEVATIONS				
						RIM ELEVATION	INVERTS			
							North	South	East	West
1	NB RANDALL	331+78.00	33.00 RT	60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	808.09	-	-	806.34	-
2	NB RANDALL	331+78.00	39.89 RT	54213657	**PRECAST REINF. CONCRETE FLARED END SECTIONS 12"	-	-	-	-	806.30
5	NB RANDALL	333+50.00	33.00 RT	60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	810.11	-	-	808.19	-
6	NB RANDALL	333+50.00	39.00 RT	54213655	**PRECAST REINF. CONCRETE FLARED END SECTIONS 10"	-	-	-	-	808.15
10	NB RANDALL	336+20.45	0.00 --	60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	815.64	-	-	812.69	-
11	NB RANDALL	335+92.46	36.54 RT	60201340	CATCH BASINS, TYPE A, 4'-DIA., TYPE 24 FRAME AND GRATE	814.86	-	-	810.59	810.59
12	NB RANDALL	335+91.40	54.11 RT	54213657	**PRECAST REINF. CONCRETE FLARED END SECTIONS 12"	-	-	-	-	809.58
15	NB RANDALL	344+64.94	29.51 RT	61000225	TYPE F INLET BOX, STANDARD 610001	838.72	-	-	835.97	-
16	NB RANDALL	344+51.13	67.27 RT	54262712	***METAL FLARED END SECTIONS 12"	-	-	-	-	826.27
21	RAMP C	507+05.90	13.62 RT	54213669	**PRECAST REINF. CONCRETE FLARED END SECTIONS 24"	-	-	-	-	821.21
25	RAMP D	700+28.83	19.04 RT	54213669	**PRECAST REINF. CONCRETE FLARED END SECTIONS 24"	-	-	*	-	-
26	RAMP D	702+37.11	43.91 RT	54213669	**PRECAST REINF. CONCRETE FLARED END SECTIONS 24"	-	819.28	-	-	-
27	RAMP C	502+06.89	30.26 RT	54213669	**PRECAST REINF. CONCRETE FLARED END SECTIONS 24"	-	-	*	-	-
28	RAMP D	704+58.14	50.53 RT	54213669	**PRECAST REINF. CONCRETE FLARED END SECTIONS 24"	-	817.60	-	-	-
29	RAMP D	701+50.00	17.00 LT	60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	826.23	-	-	820.80	-
30	RAMP C	504+74.65	13.01 RT	54213657	**PRECAST REINF. CONCRETE FLARED END SECTIONS 12"	-	-	-	-	820.40
32	RAMP E	1108+60.00	51.52 LT	54213669	**PRECAST REINF. CONCRETE FLARED END SECTIONS 24"	-	-	817.60	-	-
33	RAMP E	1108+60.00	31.07 RT	54213669	**PRECAST REINF. CONCRETE FLARED END SECTIONS 24"	-	817.10	-	-	-
36	RAMP E	1111+00.00	5.67 RT	60240324	INLETS, TYPE B, TYPE 20 FRAME AND GRATE	826.44	-	812.73	-	-
37	RAMP E	1110+98.53	46.15 RT	54213657	**PRECAST REINF. CONCRETE FLARED END SECTIONS 12"	-	812.30	-	-	-
40	RAMP E	1111+50.00	40.32 RT	54213669	**PRECAST REINF. CONCRETE FLARED END SECTIONS 24"	-	-	-	811.09	-
41	RAMP E	1113+65.00	32.95 RT	X6022111	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 8 GRATE	813.49	806.99	806.51	807.60	807.00
44	WELD RD	46+74.38	61.20 RT	54213657	**PRECAST REINF. CONCRETE FLARED END SECTIONS 12"	-	-	-	808.71	-
45	WELD RD	47+87.94	39.84 RT	54213657	**PRECAST REINF. CONCRETE FLARED END SECTIONS 12"	-	-	-	-	808.26
51	WELD RD	48+57.60	13.52 LT	60205040	CATCH BASINS, TYPE A, 5'-DIA., TYPE 24 FRAME AND GRATE	813.43	808.30	-	-	-
52	WELD RD	48+57.54	37.95 LT	60221100	MANHOLES, TYPE A, 5'-DIA., TYPE 1 FRAME, CLOSED LID	813.63	-	808.20	807.70	807.70
53	WELD RD	49+21.13	12.68 LT	60205040	CATCH BASINS, TYPE A, 5'-DIA., TYPE 24 FRAME AND GRATE	812.75	808.65	-	-	-
54	WELD RD	49+21.20	35.92 LT	60221100	MANHOLES, TYPE A, 5'-DIA., TYPE 1 FRAME, CLOSED LID	817.19	-	808.50	808.00	808.00
55	WELD RD	51+75.46	11.97 LT	60205040	CATCH BASINS, TYPE A, 5'-DIA., TYPE 24 FRAME AND GRATE	812.62	809.30	-	-	-
56	WELD RD	51+75.18	28.00 LT	60221100	MANHOLES, TYPE A, 5'-DIA., TYPE 1 FRAME, CLOSED LID	815.66	-	808.78	808.78	808.78
57	RAMP E	1115+16.27	4.17 RT	60219510	MANHOLES, TYPE A, 4'-DIA., TYPE 20 FRAME AND GRATE	827.33	-	-	819.95	-
58	RAMP E	1117+13.51	3.67 RT	60222210	MANHOLES, TYPE A, 5'-DIA., TYPE 20 FRAME AND GRATE	825.18	808.97	808.97	-	819.28
59	US-20	934+02.70	50.68 LT	54262724	***METAL FLARED END SECTIONS 24"	-	-	*	-	-
67	WELD RD	54+24.68	29.13 RT	54213657	**PRECAST REINF. CONCRETE FLARED END SECTIONS 12"	-	810.86	-	-	-
68	WELD RD	54+25.21	11.14 LT	60201340	CATCH BASINS, TYPE A, 4'-DIA., TYPE 24 FRAME AND GRATE	814.97	-	811.06	811.06	-
69	WELD RD	55+25.11	11.03 LT	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	815.55	-	-	-	811.56
74	US-20	936+05.19	49.50 RT	60222210	MANHOLES, TYPE A, 5'-DIA., TYPE 20 FRAME AND GRATE	822.74	-	-	810.39	-
75	US-20	938+05.15	45.50 RT	60222210	MANHOLES, TYPE A, 5'-DIA., TYPE 20 FRAME AND GRATE	820.21	-	-	810.09	810.09
76	US-20	940+00.00	45.00 RT	60222210	MANHOLES, TYPE A, 5'-DIA., TYPE 20 FRAME AND GRATE	817.73	-	811.80	809.80	809.80
77	US-20	942+00.00	45.00 RT	X6020090	MANHOLES, WITH RESTRICTOR PLATE	815.11	-	-	805.16	809.50
78	US-20	944+00.00	45.00 RT	60205010	CATCH BASINS, TYPE A, 5'-DIA., TYPE 20 FRAME AND GRATE	812.54	-	-	804.86	804.86
79	US-20	946+00.00	45.00 RT	60205010	CATCH BASINS, TYPE A, 5'-DIA., TYPE 20 FRAME AND GRATE	809.87	-	-	803.49	803.49
80	US-20	946+50.00	44.50 RT	X6020090	MANHOLES, WITH RESTRICTOR PLATE	809.22	-	-	803.42	803.42
81	US-20	946+81.89	42.50 RT	X6020084	MANHOLE, SPECIAL	808.85	*	*	802.64	803.38
82	US-20	948+75.00	44.50 RT	60224035	MANHOLES, TYPE A, 6'-DIA., TYPE 20 FRAME AND GRATE	807.66	-	-	802.96	802.96
92	WELD RD	57+69.30	11.98 LT	60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	814.98	812.00	-	-	-
93	WELD RD	59+69.29	11.83 LT	60219510	MANHOLES, TYPE A, 4'-DIA., TYPE 20 FRAME AND GRATE	813.41	-	-	806.35	-
94	WELD RD	61+69.30	11.53 LT	60222210	MANHOLES, TYPE A, 5'-DIA., TYPE 20 FRAME AND GRATE	811.34	-	-	805.64	805.83
95	WELD RD	63+69.30	11.65 LT	60205040	CATCH BASINS, TYPE A, 5'-DIA., TYPE 24 FRAME AND GRATE	809.55	-	-	805.12	805.12
96	WELD RD	65+69.30	12.13 LT	60205040	CATCH BASINS, TYPE A, 5'-DIA., TYPE 24 FRAME AND GRATE	807.90	-	-	804.60	804.60
97	WELD RD	66+77.39	12.18 LT	60205040	CATCH BASINS, TYPE A, 5'-DIA., TYPE 24 FRAME AND GRATE	807.68	-	-	804.32	804.32
98	WELD RD	66+97.39	11.95 LT	60205040	CATCH BASINS, TYPE A, 5'-DIA., TYPE 24 FRAME AND GRATE	807.66	-	-	804.27	804.27
99	WELD RD	67+06.36	12.08 LT	60224039	MANHOLES, TYPE A, 6'-DIA., TYPE 24 FRAME AND GRATE	807.71	804.25	804.25	804.25	804.25
100	WELD RD	67+06.53	20.61 RT	54214509	**PRECAST REIN. CONCRETE FLARED END SECTIONS EQRS 24"	-	804.18	-	-	-
101	WELD RD	67+06.34	23.79 LT	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	806.64	-	804.30	-	-
105	US-20	949+39.50	43.50 RT	60224464	MANHOLES, TYPE A, 8'-DIA., TYPE 20 FRAME AND GRATE	807.70	*	-	803.05	803.05
107	US-20	949+37.02	12.79 LT	54213669	**PRECAST REINF. CONCRETE FLARED END SECTIONS 24"	-	-	*	-	-
114	WELD RD	68+71.77	11.71 LT	60205040	CATCH BASINS, TYPE A, 5'-DIA., TYPE 24 FRAME AND GRATE	809.44	-	-	805.24	804.74
115	WELD RD	70+69.30	11.33 LT	60222240	MANHOLES, TYPE A, 5'-DIA., TYPE 24 FRAME AND GRATE	813.12	-	-	-	805.84
120	US-20	951+50.00	41.44 RT	60222210	MANHOLES, TYPE A, 5'-DIA., TYPE 20 FRAME AND GRATE	809.31	-	-	804.48	803.48
121	US-20	953+94.00	36.56 RT	60222210	MANHOLES, TYPE A, 5'-DIA., TYPE 20 FRAME AND GRATE	814.07	-	-	-	804.96
122	WELD RD	47+39.04	50.04 RT	60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	812.33	-	-	808.32	808.32
123	WELD RD	47+67.26	44.04 RT	60240312	INLETS, TYPE B, TYPE 11V FRAME AND GRATE	811.80	-	-	808.28	808.28

PROPOSED UNDERDRAIN SCHEDULE

LOCATION				CONCRETE HEADWALLS FOR PIPE DRAINS (60100060)	PIPE UNDERDRAINS TYPE 2, 4" (60108204)	OUTLET MARKER (X0322279)
REFERENCE LINE	STATION	STATION	OFFSET	EACH	FOOT	EACH
WELD RD	59+31.60	73+16.30	LT	-	2,396	-
SB RANDALL	248+59.30	252+87.80	LT	-	426	-
SB RANDALL	252+87.80	-	LT	1	-	1
NB RANDALL	331+78.00	336+20.00	RT	-	444	-
NB RANDALL	336+20.00	340+94.30	LT	-	474	-
NB RANDALL	347+72.60	350+52.30	LT	-	279	-
RAMP D	701+50.00	706+36.00	LT	-	463	-
US-20	940+22.00	955+47.00	RT	-	1,545	-
US-20	948+41.00	-	RT	1	-	1
RAMP E	1100+00.00	1123+33.30	LT / RT	-	2,370	-
RAMP E	1102+70.00	-	RT	1	-	1
RAMP E	1108+50.00	-	RT	1	-	1
TOTAL				4	8,397	4

* - MATCH EX PIPE INVERT ELEVATION
 ** - TO BE INSTALLED WITH TRAVERSABLE PIPE GRATE
 *** - TO BE INSTALLED WITH TRAVERSABLE PIPE GRATE, SPECIAL

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	DRAWN - JR	REVISED -
PLOT SCALE = 100,0001' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 01-03-19	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE STRUCTURE SCHEDULE

SCALE: N/A	SHEET 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 83
				CONTRACT NO. 61F57				
		FED. ROAD DIST. NO. 1			ILLINOIS		FED. AID PROJECT	

PROPOSED PIPE SCHEDULE

PIPE NUMBER	FROM STRUCTURE NUMBER	TO STRUCTURE NUMBER	DESCRIPTION	UPSTREAM INVERT	DOWNSTREAM INVERT	PIPE SIZE (IN)	PIPE SLOPE (%)	PIPE LENGTH (FT)	TBF (CU YD)
P-1	1	2	STORM SEWERS, CLASS A, TYPE 1 12"	806.34	806.30	12	0.68%	5.88	0.00
P-5	5	6	STORM SEWERS, CLASS A, TYPE 1 10"	808.19	808.15	10	0.80%	5.00	0.00
P-10	10	11	STORM SEWERS, CLASS A, TYPE 1 12"	812.69	810.59	12	4.47%	47.02	10.10
P-11	11	12	STORM SEWERS, CLASS A, TYPE 1 12"	810.59	809.58	12	5.74%	17.60	0.5
P-15	15	16	PIPE DRAINS 12"	835.97	826.27	12	26.07%	37.21	0.0
P-25	25	26	PIPE CULVERTS, CLASS A, TYPE 2 24"	821.26	*	24	0.89%	222.30	0.0
P-28	28	27	INSERTION CULVERT LINER 24"	817.60	*	24	0.00%	124.30	0.0
P-28A	28	27	PIPE CULVERTS, CLASS A, TYPE 2 24"	817.60	817.60	24	0.00%	10.20	0.0
P-29	29	30	STORM SEWERS JACKED IN PLACE 12"	820.80	820.40	12	0.98%	41.01	0.0
P-32	32	33	PIPE CULVERTS, CLASS A, TYPE 2 24"	817.60	817.10	24	0.61%	82.59	33.4
P-36	36	37	STORM SEWERS, CLASS A, TYPE 3 12"	812.73	812.30	12	1.00%	42.83	15.2
P-40	40	41	PIPE CULVERTS, CLASS A, TYPE 2 24"	811.09	807.00	24	1.95%	210.12	70.9
P-44	44	122	STORM SEWERS WATER MAIN REQ. 12"	808.71	808.32	12	0.59%	65.60	5.8
P-48	-	41	PIPE CULVERTS, CLASS D, TYPE 2 48"	807.04	806.51	48	2.40%	22.03	0.0
P-50	-	41	PIPE CULVERTS, CLASS D, TYPE 2 48"	806.51	806.40	48	0.68%	16.09	0.0
P-51	51	52	STORM SEWERS, CLASS A, TYPE 1 24"	808.30	808.20	24	0.40%	24.97	1.5
P-52	52	41	STORM SEWERS, CLASS A, TYPE 1 30"	807.70	807.60	30	0.40%	25.05	0.0
P-53	53	54	STORM SEWERS, CLASS A, TYPE 1 24"	808.65	808.50	24	0.67%	22.39	1.5
P-54	54	52	STORM SEWERS, CLASS A, TYPE 1 30"	808.00	807.70	30	0.41%	72.92	0.0
P-55	55	56	STORM SEWERS, CLASS A, TYPE 1 24"	809.30	808.78	24	3.50%	14.86	1.5
P-56	56	54	STORM SEWERS, CLASS A, TYPE 1 30"	808.78	808.00	30	0.31%	253.07	0.0
P-57	57	58	STORM SEWERS, CLASS A, TYPE 2 18"	819.95	819.28	18	0.34%	197.24	142.6
P-58	58	56	STORM SEWERS, CLASS A, TYPE 1 24"	808.97	808.78	24	1.23%	15.44	10.5
P-59	59	58	INSERTION CULVERT LINER 24"	809.59	808.97	24	0.62%	99.24	159.4
P-67	68	67	STORM SEWERS WATER MAIN REQ. 12"	811.06	810.86	12	0.48%	41.27	60.7
P-68	69	68	STORM SEWERS, CLASS A, TYPE 2 12"	811.56	811.06	12	0.50%	100.15	16.2
P-74	74	75	STORM SEWERS, CLASS A, TYPE 2 36"	810.39	810.09	36	0.15%	200.00	337.4
P-75	75	76	STORM SEWERS, CLASS A, TYPE 2 36"	810.09	809.80	36	0.15%	194.85	230.1
P-76	76	77	STORM SEWER WATER MAIN REQ. 36"	809.80	809.50	36	0.15%	200.00	125.5
P-77	77	78	STORM SEWERS, CLASS A, TYPE 2 36"	805.16	804.86	36	0.15%	200.00	226.6
P-78	78	79	STORM SEWERS, CLASS A, TYPE 2 36"	804.86	803.49	36	0.69%	200.00	140.0
P-79	79	80	STORM SEWERS, CLASS A, TYPE 2 36"	803.49	803.42	36	0.14%	50.00	12.6
P-80	80	81	STORM SEWERS, CLASS A, TYPE 2 36"	803.42	803.38	36	0.17%	23.95	6.7
P-81	82	81	STORM SEWERS, CLASS A, TYPE 2 EQRS 36"	802.96	802.64	36	0.17%	185.12	38.9
P-82	105	82	STORM SEWERS, CLASS A, TYPE 2 EQRS 36"	803.05	802.96	36	0.14%	64.50	9.1
P-92	92	76	STORM SEWERS, CLASS A, TYPE 2 12"	812.00	811.80	12	0.91%	21.94	10.0
P-93	93	94	STORM SEWERS, CLASS A, TYPE 2 18"	806.35	805.83	18	0.26%	200.01	136.8
P-94	94	95	STORM SEWERS, CLASS A, TYPE 2 18"	805.64	805.12	18	0.26%	200.00	51.2
P-95	95	96	STORM SEWERS, CLASS A, TYPE 2 EQRS 18"	805.12	804.60	18	0.26%	200.00	34.5
P-96	96	97	STORM SEWERS, CLASS A, TYPE 2 EQRS 18"	804.60	804.32	18	0.26%	108.09	7.7
P-97	97	98	STORM SEWERS, CLASS A, TYPE 2 EQRS 18"	804.32	804.27	18	0.26%	20.00	1.8
P-98	98	99	STORM SEWERS, CLASS A, TYPE 2 EQRS 18"	804.27	804.25	18	0.26%	8.97	0.8
P-99	99	100	STORM SEWERS, CLASS A, TYPE 2 EQRS 24"	804.25	804.18	24	0.21%	33.69	2.7
P-101	101	99	STORM SEWERS, CLASS A, TYPE 1 12"	804.30	804.25	12	0.47%	10.71	0.0
P-106	107	105	INSERTION CULVERT LINER 24"	804.34	803.05	30	2.29%	56.29	18.3
P-114	114	99	STORM SEWERS, CLASS A, TYPE 2 EQRS 18"	804.74	804.25	18	0.30%	165.42	30.4
P-115	115	114	STORM SEWERS, CLASS A, TYPE 2 18"	805.84	805.24	18	0.30%	197.53	54.0
P-120	120	105	STORM SEWERS, CLASS A, TYPE 2 EQRS 24"	803.48	803.05	24	0.20%	210.54	66.2
P-121	121	120	STORM SEWERS, CLASS A, TYPE 2 24"	804.96	804.48	24	0.20%	244.04	98.9
P-122	122	123	STORM SEWERS WATER MAIN REQ. 12"	808.32	808.28	12	0.15%	27.00	5.8
P-123	123	45	STORM SEWERS WATER MAIN REQ. 12"	808.28	808.26	12	0.12%	16.55	5.8

* - MATCH EX. DOWNSTREAM INVERT ELEVATION

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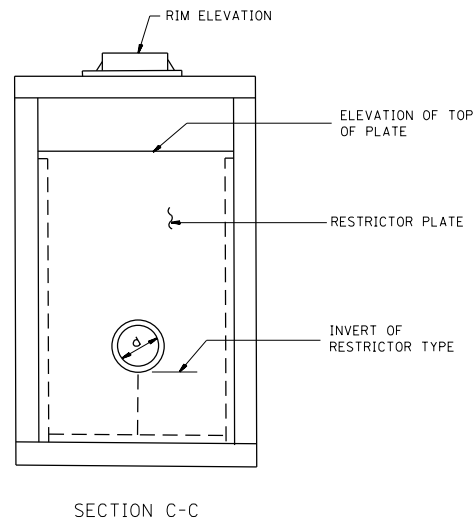
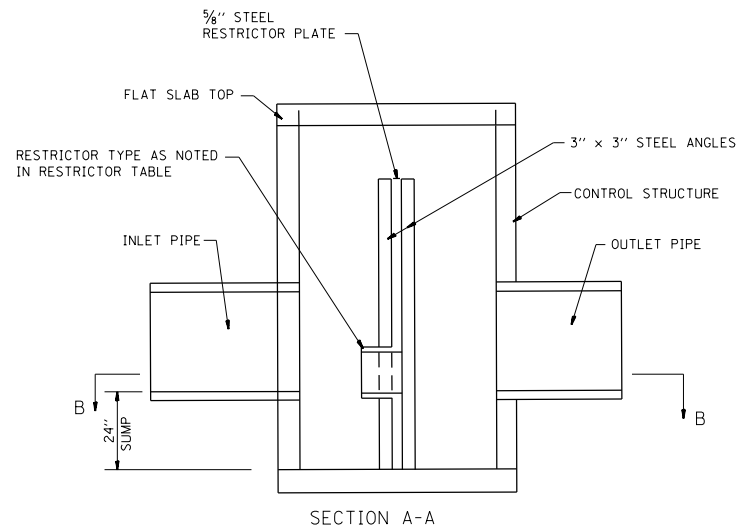
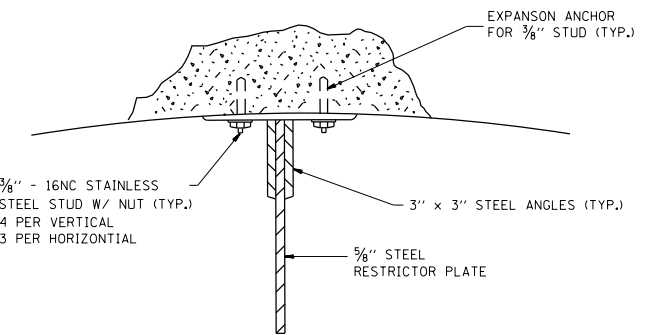
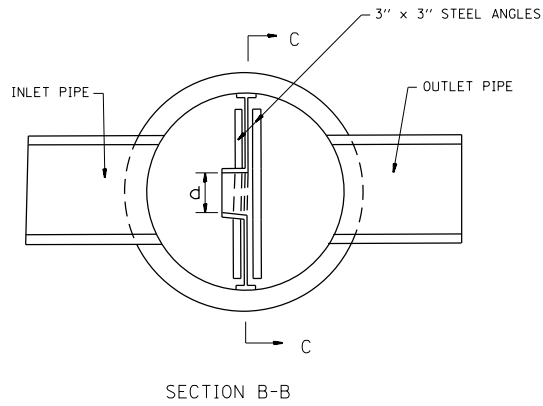
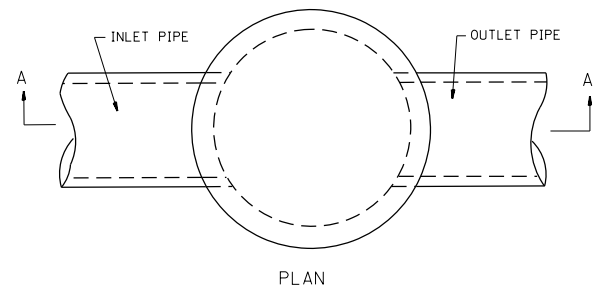
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

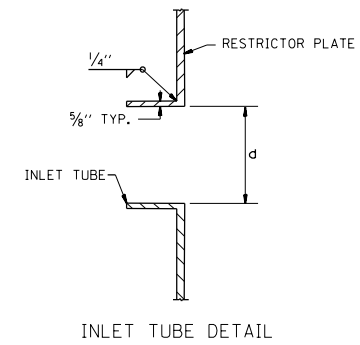
**PROPOSED DRAINAGE
PIPE SCHEDULE**

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

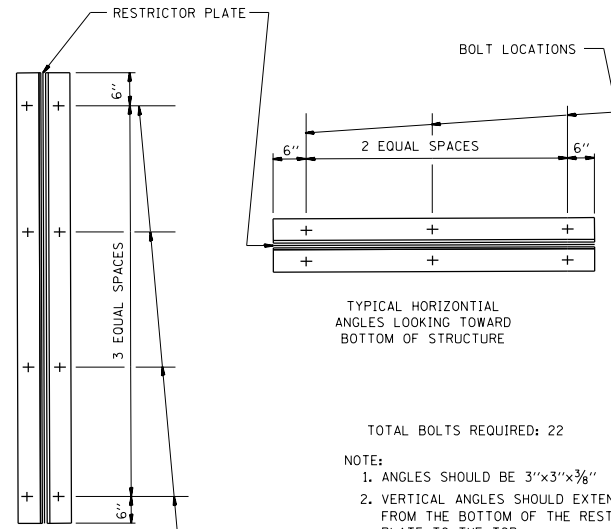
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	84
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE STRUCTURE.



RESTRICTOR STRUCTURE NO.	STATION/OFFSET	STRUCTURE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
77	STA. 942+50.00 / 45.00' RT	5'	TYPE 1	TYPE 6	10"	809.50	813.12
80	STA. 946+50.00 / 44.50' RT	6'	TYPE 1	TYPE 6	10"	803.42	807.21



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

BASIS OF PAYMENT: CONTROL STRUCTURE, RESTRICTOR PLATE WITH THE FRAME AND GRATE AND DIAMETER SPECIFIED.

- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3"x3"x3/8"
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONTROL STRUCTURE WITH RESTRICTOR PLATE

RANDALL ROAD AT WELD ROAD / US-20 INTERSECTION IMPROVEMENTS

KANE COUNTY

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LE LIN ENGINEERING, LTD.
 Consulting Engineers
 Westmont, Illinois

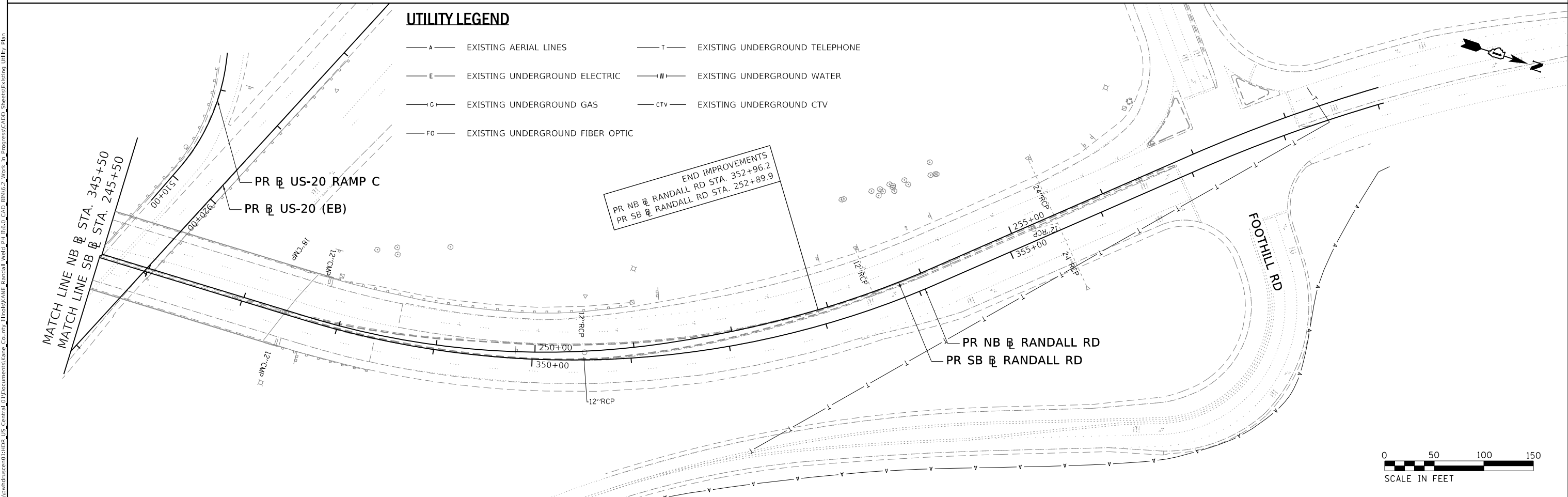
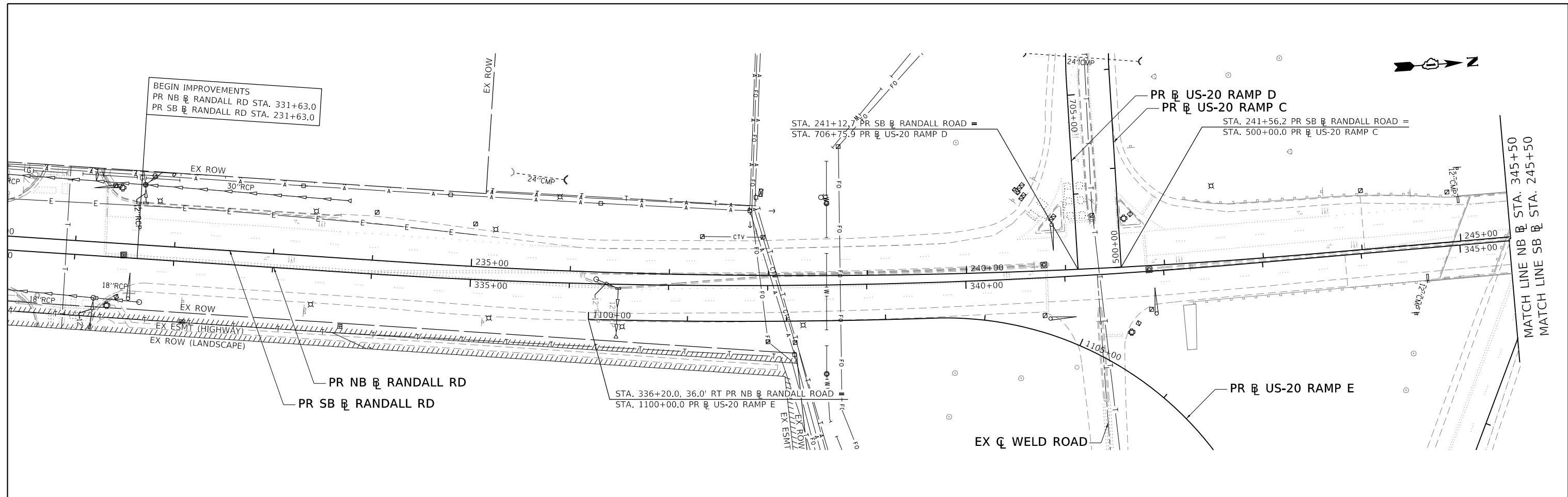
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PLOT DATE = 01-03-19	CHECKED - SGL	REVISED -
	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

OULET CONTROL STRUCTURE
 DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	85
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				




 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

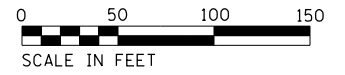
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

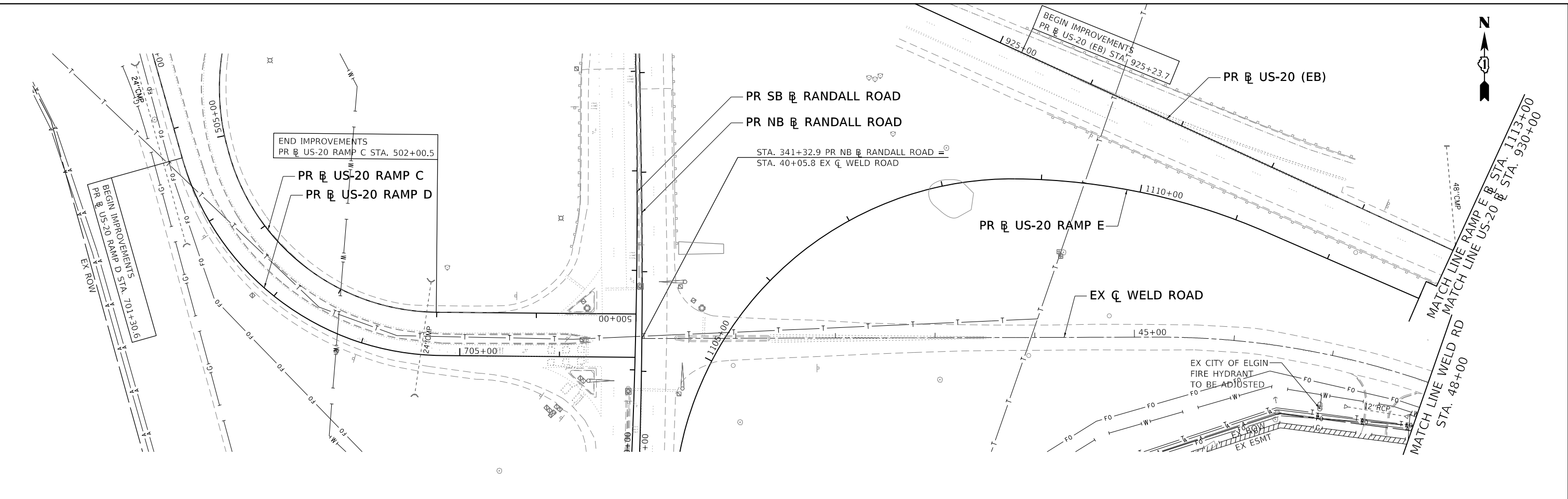
EXISTING UTILITY PLAN
RANDALL ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

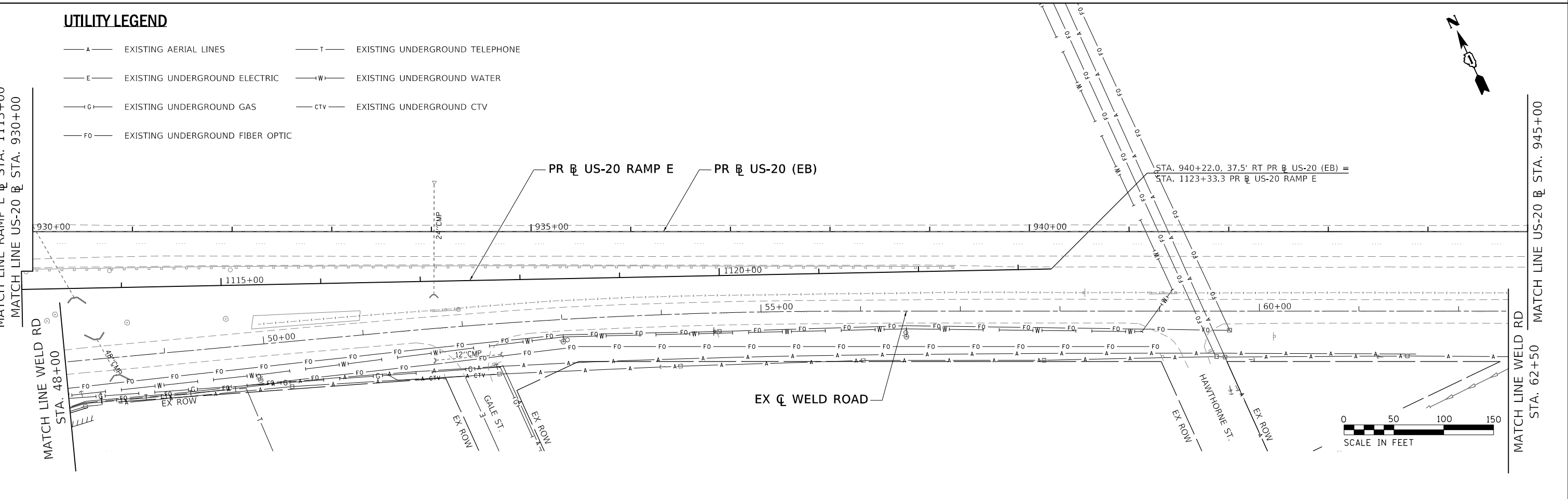


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 SHEET: 2 OF 3



UTILITY LEGEND

- A — EXISTING AERIAL LINES
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- FO — EXISTING UNDERGROUND FIBER OPTIC
- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- CTV — EXISTING UNDERGROUND CTV



USER NAME = RROGERS	DESIGNED - AKS	REVISED -
DRAWN - AKS	REVISED -	
PLOT SCALE = 100,000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

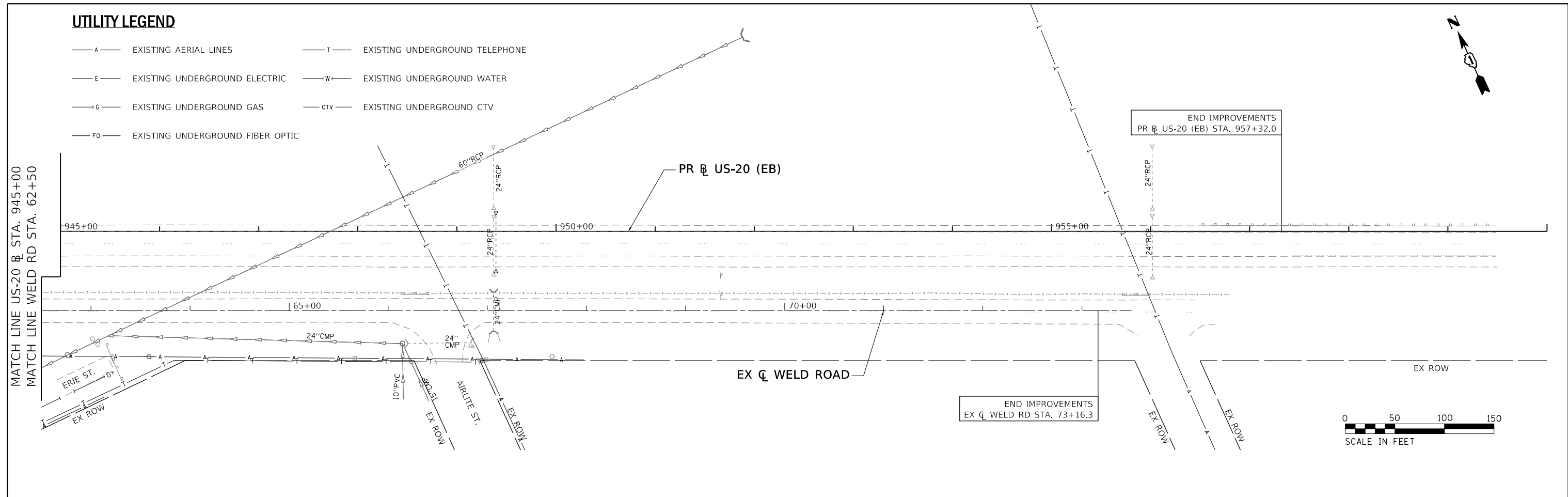
EXISTING UTILITY PLAN
US-20, RAMPS C D & E, AND WELD ROAD

SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	87
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

UTILITY LEGEND

- A — EXISTING AERIAL LINES
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- FO — EXISTING UNDERGROUND FIBER OPTIC
- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- CTV — EXISTING UNDERGROUND CTV



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 DATE: 01/03/2019
 PROJECT: 14-00446-00-CH
 SHEET: 3 OF 3



USER NAME = RROGERS	DESIGNED - AKS	REVISED -
DRAWN - AKS	CHECKED - DWW	REVISED -
PLOT SCALE = 100.0000' / in.	DATE - 01-03-19	REVISED -
PLOT DATE = 01/03/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING UTILITY PLAN US-20 AND WELD ROAD	
SCALE: 1" = 50'	SHEET 3 OF 3 SHEETS
STA. SEE PLANS	TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	88
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND




- (A) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE) (78000100)
- (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
- (D) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 2' DASH, 6' SKIP) (78000400)
- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP) (78000200)
- (F) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE) (78000400)
- (G) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78000500)

- (H) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE, DIAGONAL, 10' SPACING) (78009012)
- (I) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE, DIAGONAL, 30' SPACING) (78000600)
- (J) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE) (78000650)
- (K) MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE) (78009000)
- (L) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78009004)
- (M) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP) (78009004)
- (N) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78009004)

- (O) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE SOLID YELLOW - 11" C-C SPACING) (78009004)
- (P) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID WHITE) (78009006)
- (R) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 2' DASH, 6' SKIP) (78009006)
- (S) MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (SOLID WHITE) (78009024)
- (T) RAISED REFLECTIVE PAVEMENT MARKER (78100100)
- (U) RECESSED REFLECTIVE PAVEMENT MARKER (X7810300)
- (V) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH, YELLOW, 10' DASH, 30' SKIP) (78000200)

- (W) MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SKIP-DASH, WHITE, 3' DASH, 9' SKIP) (78009006)
- (X) MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78009008)
- (Y) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE, DIAGONAL, 30' SPACING) (78009012)
- (Z) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID YELLOW, DIAGONAL, 75' SPACING) (78009012)
- * REFLECTIVE PAVEMENT MARKER (ONE WAY, CRYSTAL)
- * REFLECTIVE PAVEMENT MARKER (ONE WAY, AMBER)

LANDSCAPING LEGEND

-  SEEDING, CLASS 2A (25000210)
NITROGEN FERTILIZER NUTRIENT (25000400)
PHOSPHORUS FERTILIZER NUTRIENT (25000500)
POTASSIUM FERTILIZER NUTRIENT (25000600)
TOPSOIL EXCAVATION AND PLACEMENT (21101505)
EROSION CONTROL BLANKET (25100630)
-  EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 5' HEIGHT, BALLED AND BURLAPPED (D2001560)
-  PROPOSED TREE (SEE PLANS FOR TREE TYPE)

LANDSCAPING NOTES

- THE CONTRACTOR SHALL COORDINATE THE PLANTING, LANDSCAPING AND RESTORATION WORK WITH WORK BY THE GRADING CONTRACTOR AND OTHER UTILITY CONTRACTORS.
- THE CONTRACTOR SHALL FOLLOW THE PLANTING PLANS AND MAY ADJUST LOCATIONS TO FIT FIELD CONDITIONS, BUT SHALL NOT INSTALL TREES DIRECTLY ABOVE ANY MAJOR DRAINAGE CULVERTS OR TRUNK LINES.

PAVEMENT MARKING AND SIGNING NOTES

- SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS. REFER TO SIGN SCHEDULE FOR PROPOSED LOCATION DETAILS.
- PAVEMENT MARKINGS AT US-20, US-20 RAMPS, AND WELD ROAD SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS (TC-11, TC-12 AND TC-13). PAVEMENT MARKINGS AT RANDALL ROAD SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT DISTRICT 1 DETAIL TC-13 ALONG WITH KDOT STANDARD KC781001-04.
- ALL PERMANENT PAVEMENT MARKINGS ON RANDALL ROAD SHALL BE MODIFIED URETHANE PAVEMENT MARKING.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AT US-20, US-20 RAMPS, AND WELD ROAD. RECESSED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AT RANDALL ROAD.
- A 4" SOLID YELLOW LINE SHALL BE PLACED ADJACENT TO THE RAISED MEDIANS AS SHOWN IN THE PAVEMENT MARKING AND SIGNING PLANS.
- SEE THE TRAFFIC SIGNAL PLANS FOR ADDITIONAL PROPOSED SIGNS AT THE RANDALL ROAD AND US-20 RAMPS INTERSECTION.

LANDSCAPING SCHEDULE

LOCATION	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL, ACRES	TREE TRUNK PROTECTION	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, CRATAEGUS VIRDIS WINTER KING (WINTER KING GREEN HAWTHORN), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 5' HEIGHT, BALLED AND BURLAPPED
	(UNIT)	(UNIT)	(ACRE)	EACH	(ACRE)	(POUND)	(POUND)	(POUND)	(SQ YD)	(EACH)	(EACH)	(EACH)
	20100110	20100210	20100500	20101100	25000210	25000400	25000500	25000600	25100630	A2000220	B2002220	D2001560
RANDALL ROAD NB STA. 331+63.0 TO STA. 344+91.9	31	30	-	-	0.49	44.0	44.0	44.0	2365.4	-	-	-
RANDALL ROAD SB STA. 231+63.0 TO STA. 244+92.3	-	-	-	-	0.97	87.3	87.3	87.3	4691.3	-	-	-
RANDALL ROAD SB STA. 247+45.1 TO STA. 252+89.9	-	-	-	3	0.08	7.2	7.2	7.2	382.8	-	-	-
US-20 RAMP C STA. 500+00.0 TO STA. 502+00.5	-	-	-	-	0.05	4.5	4.5	4.5	227.6	-	-	-
US-20 RAMP D STA. 701+30.6 TO STA. 706+75.9	-	-	-	-	0.53	47.7	47.7	47.7	2562.0	-	-	-
US-20 RAMP E STA. 1100+00.0 TO STA. 1116+10.0	-	-	-	-	1.83	164.7	164.7	164.7	8864.8	10	-	-
US-20 STA. 925+23.7 TO STA. 955+47.0	9	16	1.97	-	0.60	54.0	54.0	54.0	3070.4	-	-	-
WELD ROAD STA. 40+05.8 TO STA. 73+16.3	31	48	-	2	2.12	191.2	191.2	191.2	10283.7	-	8	18
PROJECT TOTAL	71.0	94.0	2.0	5.0	6.7	601.0	601.0	601.0	32448.0	10.0	8.0	18.0

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HDR
8550 W. BRYN MAWR AVE.
CHICAGO, IL 60631

USER NAME = RROGERS	DESIGNED - TBH	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

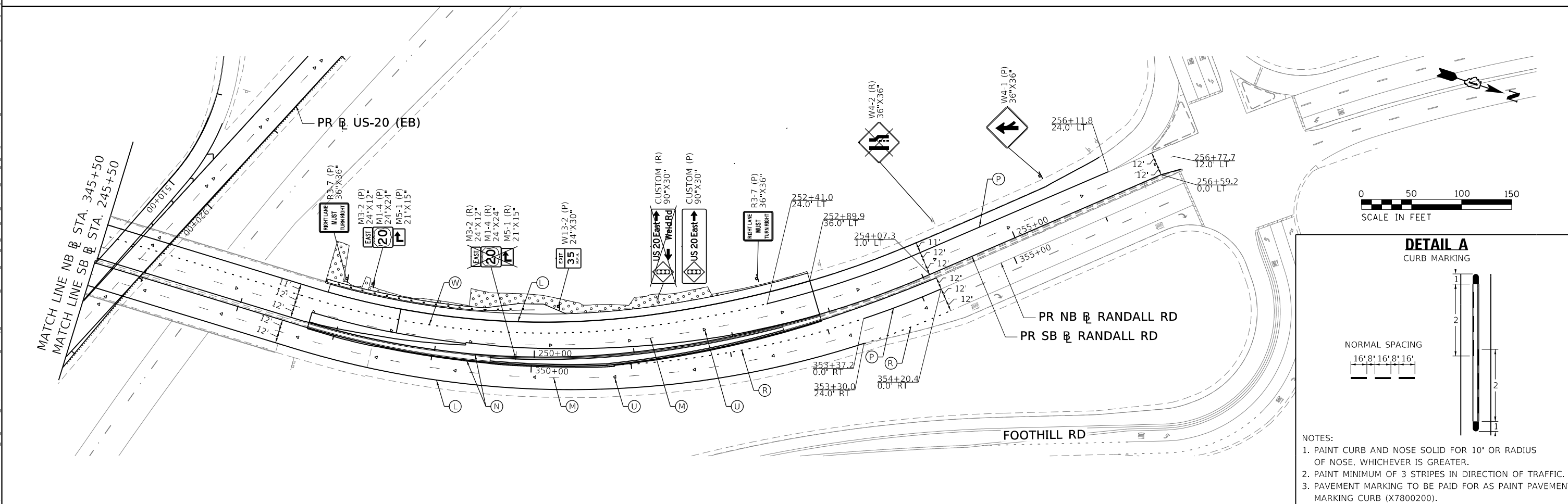
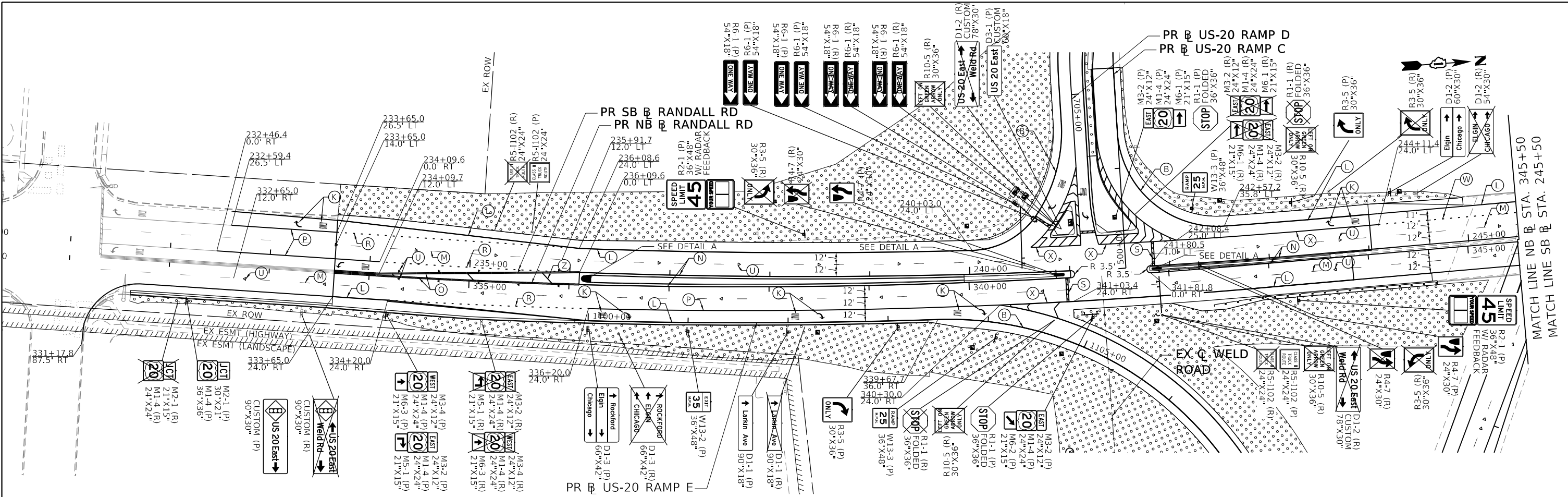
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN
LEGEND AND NOTES**

SCALE: N/A SHEET 1 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	89
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

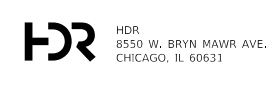
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DETAIL A
 CURB MARKING

NORMAL SPACING
 16' 8" 16' 8" 16'

NOTES:
 1. PAINT CURB AND NOSE SOLID FOR 10' OR RADIUS OF NOSE, WHICHEVER IS GREATER.
 2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
 3. PAVEMENT MARKING TO BE PAID FOR AS PAINT PAVEMENT MARKING CURB (X7800200).

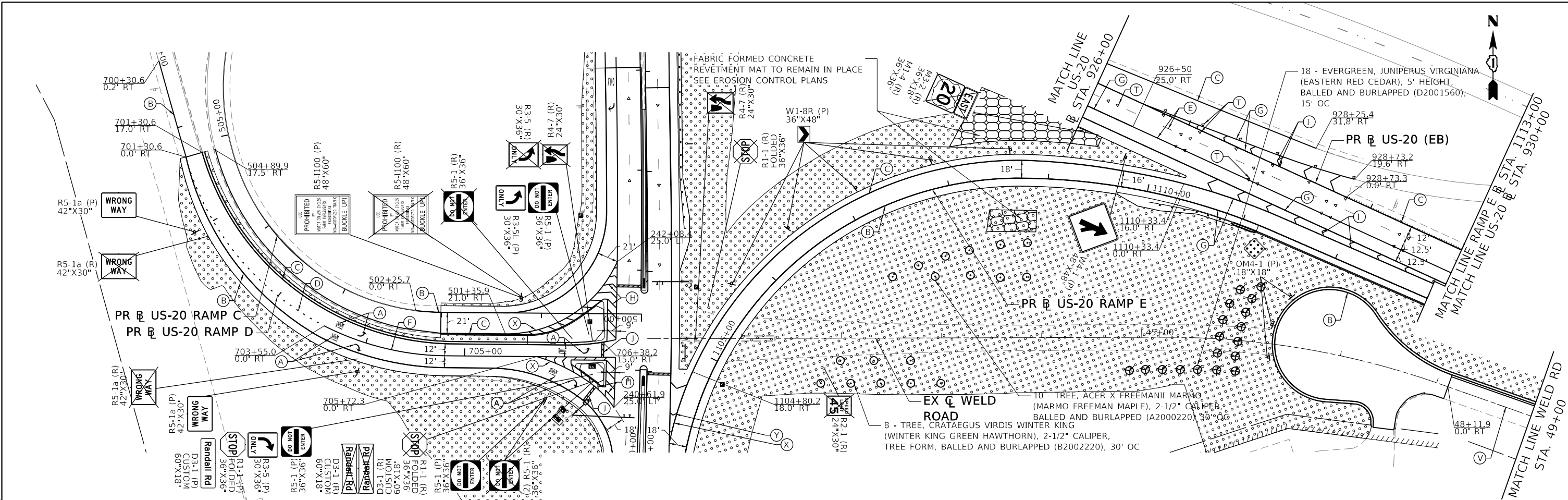


USER NAME = RROGERS	DESIGNED - TBH	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 01/03/2019	CHECKED - DWW	REVISED -
	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

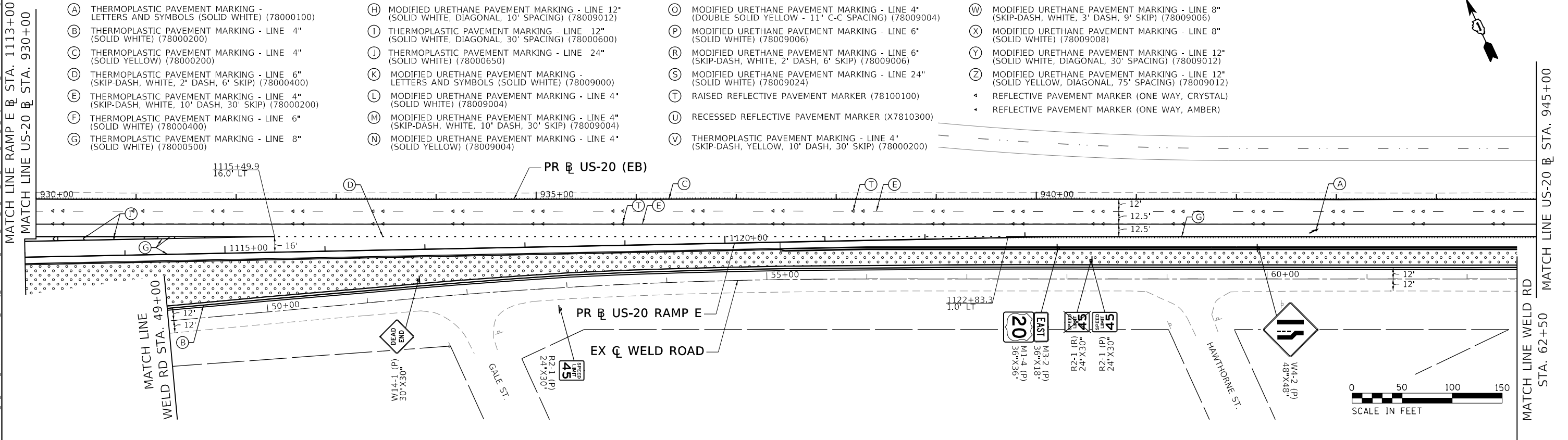
PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN		
RANDALL ROAD		
SCALE: 1" = 50'	SHEET 2 OF 6 SHEETS	STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	90
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 61F57				



PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000100)
- (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
- (D) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 2' DASH, 6' SKIP) (78000400)
- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP) (78000200)
- (F) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE) (78000400)
- (G) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78000500)
- (H) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE, DIAGONAL, 10' SPACING) (78009012)
- (I) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE, DIAGONAL, 30' SPACING) (78000600)
- (J) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE) (78000650)
- (K) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE, DIAGONAL, 10' SPACING) (78009000)
- (L) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP) (78009004)
- (M) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP) (78009004)
- (N) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP) (78009004)
- (O) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE SOLID YELLOW - 11" C-C SPACING) (78009004)
- (P) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 2' DASH, 6' SKIP) (78009006)
- (R) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 2' DASH, 6' SKIP) (78009006)
- (S) MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (SOLID WHITE) (78009024)
- (T) RAISED REFLECTIVE PAVEMENT MARKER (78100100)
- (U) RECESSED REFLECTIVE PAVEMENT MARKER (X7810300)
- (V) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH, YELLOW, 10' DASH, 30' SKIP) (78000200)
- (W) MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SKIP-DASH, WHITE, 3' DASH, 9' SKIP) (78009006)
- (X) MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78009008)
- (Y) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE, DIAGONAL, 30' SPACING) (78009012)
- (Z) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID YELLOW, DIAGONAL, 75' SPACING) (78009012)
- ▲ REFLECTIVE PAVEMENT MARKER (ONE WAY, CRYSTAL)
- ▲ REFLECTIVE PAVEMENT MARKER (ONE WAY, AMBER)



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HR
 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

USER NAME = ROGERS	DESIGNED - TBH	REVISED -
PLOT SCALE = 100.0001' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 01/03/2019	CHECKED - DWW	REVISED -
	DATE - 01-03-19	REVISED -

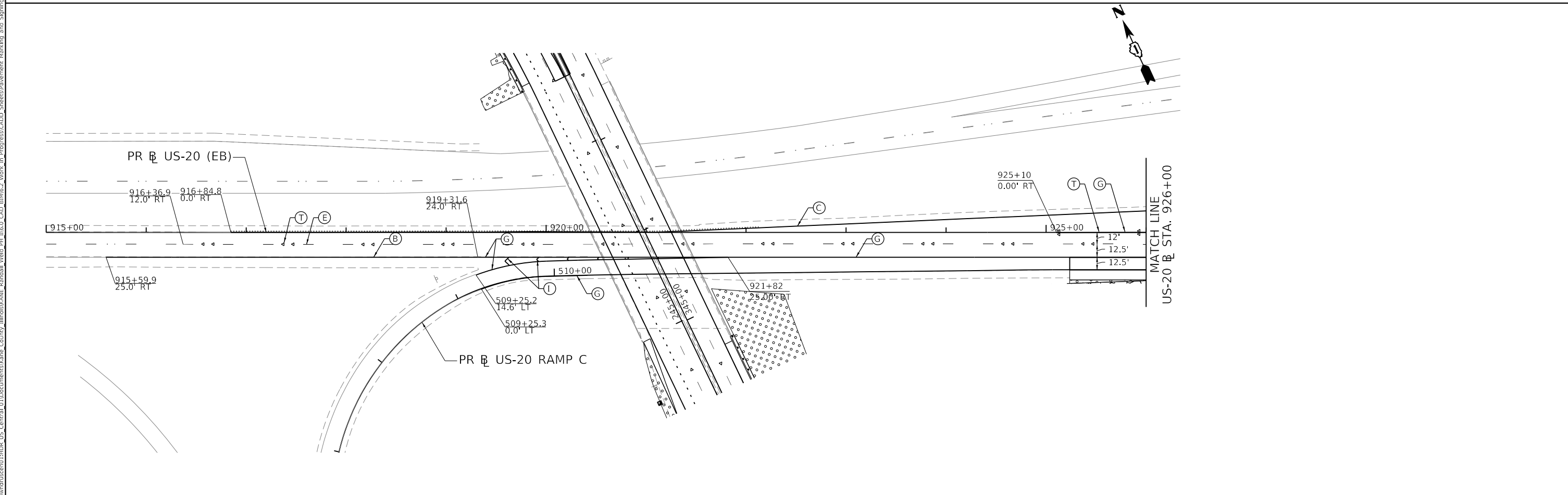
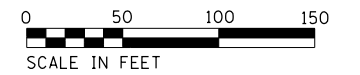
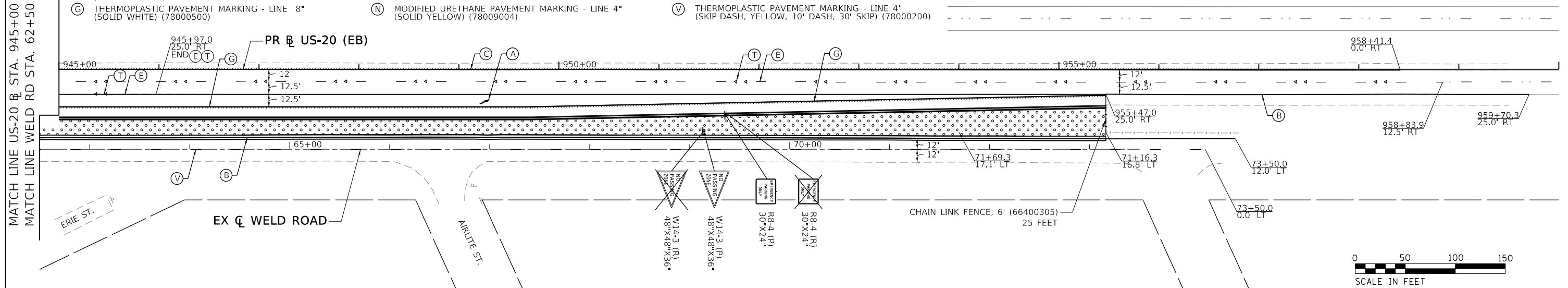
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN
US-20, RAMPS C D & E, AND WELD ROAD
 SCALE: 1" = 50' SHEET 3 OF 6 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 91
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (LETTERS AND SYMBOLS (SOLID WHITE)) (78000100)
- (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78000200)
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78000200)
- (D) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SKIP-DASH, WHITE, 2' DASH, 6' SKIP) (78000400)
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- (H) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID WHITE, DIAGONAL, 10' SPACING) (78009012)
- (I) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE, DIAGONAL, 30' SPACING) (78000600)
- (J) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE) (78000650)
- (K) MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE) (78009000)
- (L) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78009004)
- (M) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP) (78009004)
- (N) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78009004)
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- (Z) MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (SOLID YELLOW, DIAGONAL, 75' SPACING) (78009012)
- ◀ REFLECTIVE PAVEMENT MARKER (ONE WAY, CRYSTAL)
- ◀ REFLECTIVE PAVEMENT MARKER (ONE WAY, AMBER)



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 PLOT SCALE: 1" = 50'
 PLOT DATE: 01/03/2019

HDR
 HDR
 8550 W. BRYN MAWR AVE.
 CHICAGO, IL 60631

USER NAME = RROGERS	DESIGNED - TBH	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - DWW	REVISED -
PLOT DATE = 01/03/2019	DATE - 01-03-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN
US-20 AND WELD ROAD

SCALE: 1" = 50' SHEET 4 OF 6 SHEETS STA. SEE PLANS TO STA. SEE PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	92
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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TYPE / NAME	STATION	LT/RT	COMMENT/DESCRIPTION	SIGN PANEL WIDTH	SIGN PANEL DEPTH	SIGN PANEL AREA	72400100	72400200
				FOOT	FOOT	SQ FT	REMOVE SIGN PANEL ASSEMBLY TYPE A	REMOVE SIGN PANEL ASSEMBLY TYPE B
							EACH	EACH
EXISTING RANDALL ROAD								
M2-1	332+11	RT	JUNCTION	1.75	1.25	2.19	1	0
M1-4	332+11	RT	U.S. ROUTE 20 SIGN	2.00	2.00	4.00	1	0
CUSTOM SIGN	333+35	RT	US 20 EAST, WELD RD WITH STOP LIGHT	7.50	2.50	18.75	0	1
M3-2	335+14	RT	EAST	2.00	1.00	2.00	1	0
M1-4	335+14	RT	U.S. ROUTE 20 SIGN	2.00	2.00	4.00	1	0
M5-1	335+14	RT	ADVANCE LEFT TURN ARROW	1.75	1.25	2.19	1	0
M3-4	335+14	RT	WEST	2.00	1.00	2.00	1	0
M1-4	335+14	RT	U.S. ROUTE 20 SIGN	2.00	2.00	4.00	1	0
M6-3	335+14	RT	AHEAD ARROW	1.75	1.25	2.19	1	0
R5-1102	235+24	LT	CLASS II TRUCK ROUTE	2.00	2.00	4.00	1	0
D1-3	336+54	RT	DESTINATION (ROCKFORD, ELGIN, CHICAGO)	5.50	3.50	19.25	0	1
D1-1	338+35	RT	DESTINATION (LARKIN AVE)	5.50	1.50	8.25	1	0
R6-1	240+52	LT	ONE WAY	4.50	1.50	6.75	1	0
R6-1	240+52	LT	ONE WAY	4.50	1.50	6.75	1	0
R3-5	240+68	LT	LEFT TURN ONLY	2.50	3.00	7.50	1	0
R4-7	240+68	LT	KEEP RIGHT	2.00	2.50	5.00	1	0
R1-1	340+83	RT	STOP (FOLDED)	3.00	3.00	9.00	1	0
R10-5	340+83	RT	LEFT ON GREEN ARROW ONLY	2.50	3.00	7.50	1	0
R6-1	240+90	LT	ONE WAY	4.50	1.50	6.75	1	0
R6-1	240+90	LT	ONE WAY	4.50	1.50	6.75	1	0
D1-2 CUSTOM	240+90	LT	US 20 EAST AND ARROW, WELD AND ARROW	6.50	2.50	16.25	0	1
D3-1	240+90	LT	US 20 EAST	5.00	1.50	7.50	1	0
M3-2	241+70	LT	EAST	2.00	1.00	2.00	1	0
M1-4	241+70	LT	U.S. ROUTE 20 SIGN	2.00	2.00	4.00	1	0
M6-1	241+70	LT	RIGHT TURN ARROW	1.75	1.25	2.19	1	0
R1-1	241+70	LT	STOP (FOLDED)	3.00	3.00	9.00	1	0
M3-2	241+70	LT	EAST	2.00	1.00	2.00	1	0
M1-4	241+70	LT	U.S. ROUTE 20 SIGN	2.00	2.00	4.00	1	0
M6-1	241+70	LT	LEFT TURN ARROW	1.75	1.25	2.19	1	0
R10-5	241+70	LT	LEFT ON GREEN ARROW ONLY	2.50	3.00	7.50	1	0
R5-1102	341+89	RT	CLASS II TRUCK ROUTE	2.00	2.00	4.00	1	0
D1-2 CUSTOM	341+89	RT	US 20 EAST AND ARROW, WELD AND ARROW	6.50	2.50	16.25	0	1
R4-7	342+28	RT	KEEP RIGHT	2.00	2.50	5.00	1	0
R3-5	342+28	RT	LEFT TURN ONLY	2.50	3.00	7.50	1	0
R3-5	243+65	LT	RIGHT TURN ONLY	2.50	3.00	7.50	1	0
D1-2	244+53	LT	DESTINATION (ELGIN, CHICAGO)	4.50	2.50	11.25	0	1
M3-2	335+14	RT	EAST	2.00	1.00	2.00	1	0
M1-4	335+14	RT	U.S. ROUTE 20 SIGN	2.00	2.00	4.00	1	0
M5-1	335+14	RT	ADVANCE RIGHT TURN ARROW	1.75	1.25	2.19	1	0
CUSTOM SIGN	251+29	LT	US 20 EAST, WELD RD WITH STOP LIGHT	7.50	2.50	18.75	0	1
W4-2	254+34	LT	LANE ENDS	3.00	3.00	9.00	1	0
EXISTING RAMP D								
R5-1a	702+10	RT	WRONG WAY	3.50	2.50	8.75	1	0
R5-1a	703+97	RT	WRONG WAY	3.50	2.50	8.75	1	0
R5-1	705+82	RT	DO NOT ENTER	3.00	3.00	9.00	1	0
R5-1	706+07	LT	DO NOT ENTER	3.00	3.00	9.00	1	0
R3-5	706+28	LT	LEFT TURN ONLY	2.50	3.00	7.50	1	0
R4-7	706+28	LT	KEEP RIGHT	2.00	2.50	5.00	1	0
R1-1	706+29	RT	STOP (FOLDED)	3.00	3.00	9.00	1	0
R5-1	706+29	RT	DO NOT ENTER	3.00	3.00	9.00	1	0
D3-1 CUSTOM	706+29	RT	RANDALL RD	5.00	1.50	7.50	1	0
D3-1 CUSTOM	706+29	RT	RANDALL RD	5.00	1.50	7.50	1	0
EXISTING RAMP C								
R5-1100	501+21	RT	USE PROHIBITED BY	4.00	5.00	20.00	0	1
EXISTING WELD ROAD								
R4-7	40+54	CT	KEEP RIGHT	2.00	2.50	5.00	1	0
R1-1	40+66	LT	STOP (FOLDED)	3.00	3.00	9.00	1	0
R2-1	41+83	RT	SPEED LIMIT 45	2.00	2.50	5.00	1	0
R2-1	58+24	LT	SPEED LIMIT 45	2.00	2.50	5.00	1	0
W14-3	69+14	LT	NO PASSING ZONE (PENNANT)	4.00	3.00	6.00	1	0
EXISTING U.S. 20								
M3-2	926+22	RT	EAST	3.00	1.50	4.50	1	0
M1-4	926+22	RT	U.S. ROUTE 20 SIGN	3.00	3.00	9.00	1	0
R8-4	951+67	RT	EMERGENCY PARKING ONLY	2.50	2.00	5.00	1	0
TOTAL							53	7



USER NAME = RROGERS
 DESIGNED - TBH
 DRAWN - TBH
 CHECKED - DWW
 DATE - 01-03-19
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 01/03/2019

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

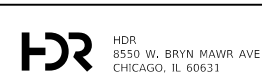
**PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN
 REMOVAL SIGN SCHEDULE**

SCALE: N/A SHEET 5 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	93
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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TYPE / NAME	STATION	LT/RT	COMMENT/DESCRIPTION	POST	SIGN	SIGN	SIGN	POST	POST	72000100	72000200	72800100	73000100	87502500	X1400145	87800100
				OFFSET	PANEL	PANEL	PANEL	ONE	TWO	SIGN	SIGN	TELESCOPING	WOOD	TRAFFIC	RADAR	CONCRETE
				TO EOP	WIDTH	DEPTH	AREA	LENGTH	LENGTH	PANEL	PANEL	STEEL	SIGN	SIGNAL	SPEED	FOUNDATION
				FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	TYPE 1	TYPE 2	STEEL SIGN	SUPPORT	POST, GALVANIZED STEEL 16 FT.	EACH	FOOT
PROPOSED NORTHBOUND RANDALL ROAD																
M2-1	332+20	RT	JUNCTION	15.00	2.50	1.75	4.38	19.00	-	4.38	-	19.00	-	-	-	-
M1-4	332+20	RT	U.S. ROUTE 20 SIGN		3.00	3.00	9.00			9.00						
CUSTOM SIGN	330+30	RT	US 20 EAST - POLE MOUNTED	17.50	7.50	2.50	18.75	-	-	-	18.75	-	-	-	-	-
M3-4	334+20	RT	WEST		2.00	1.00	2.00			2.00						
M1-4	334+20	RT	U.S. ROUTE 20 SIGN	15.50	2.00	2.00	4.00	19.00	-	4.00	-	19.00	-	-	-	-
M6-3	334+20	RT	AHEAD ARROW		1.75	1.25	2.19			2.19						
M3-2	334+20	RT	EAST		2.00	1.00	2.00			2.00						
M1-4	334+20	RT	U.S. ROUTE 20 SIGN	17.50	2.00	2.00	4.00	19.00	-	4.00	-	19.00	-	-	-	-
M5-1	334+20	RT	ADVANCE RIGHT TURN ARROW		1.75	1.25	2.19			2.19						
R5-1102	341+90	RT	CLASS II TRUCK ROUTE - POLE MOUNTED	-	2.00	2.00	4.00	-	-	4.00	-	-	-	-	-	-
R4-7	342+32	LT	KEEP RIGHT	1.00	2.00	2.50	5.00	15.00	-	5.00	-	15.00	-	-	-	-
R2-1	343+27	RT	SPEED LIMIT 45 W/ RADAR FEEDBACK	15.50	3.00	4.00	12.00	-	-	-	12.00	-	-	1.00	1.00	3.00
PROPOSED RAMP E																
D1-3	1100+00	RT	DESTINATION (ROCKFORD, ELGIN, CHICAGO)	7.25	5.50	3.50	19.25	18.00	18.00	-	19.25	-	36.00	-	-	-
W13-2	1101+00	RT	EXIT 35 M.P.H.	6.00	3.00	4.00	12.00	19.00	-	-	12.00	-	19.00	-	-	-
D1-1	1102+00	RT	LARKIN AVE	8.25	7.50	1.50	11.25	16.00	16.00	-	11.25	-	32.00	-	-	-
R3-5	1103+10	RT	RIGHT TURN ONLY - POLE MOUNTED	17.25	2.50	3.00	7.50	-	-	7.50	-	-	-	-	-	-
W13-3	1104+10	RT	RAMP 25 M.P.H.	15.50	3.00	4.00	12.00	15.00	-	-	12.00	-	15.00	-	-	-
M3-2	1104+96	LT	EAST - POLE MOUNTED		2.00	1.00	2.00			2.00						
M1-4	1104+96	LT	U.S. ROUTE 20 SIGN - POLE MOUNTED		2.00	2.00	4.00			4.00						
M6-2	1104+96	LT	DIAGONAL ARROW - POLE MOUNTED		1.75	1.25	2.19			2.19						
R1-1	1104+96	LT	STOP (FOLDED) - POLE MOUNTED		3.00	3.00	9.00			9.00						
W1-8R	1105+76	LT	CHEVRON	13.50	3.00	4.00	12.00	18.00	-	-	12.00	-	18.00	-	-	-
W1-8R	1106+56	LT	CHEVRON	13.50	3.00	4.00	12.00	18.00	-	-	12.00	-	18.00	-	-	-
W1-8R	1107+36	LT	CHEVRON	13.50	3.00	4.00	12.00	18.00	-	-	12.00	-	18.00	-	-	-
W1-8R	1108+16	LT	CHEVRON	13.50	3.00	4.00	12.00	18.00	-	-	12.00	-	18.00	-	-	-
W1-8R	1108+96	LT	CHEVRON	13.50	3.00	4.00	12.00	18.00	-	-	12.00	-	18.00	-	-	-
W4-1	1109+73	LT	MERGE	14.00	4.00	4.00	16.00	18.00	-	-	16.00	-	18.00	-	-	-
PROPOSED SOUTHBOUND RANDALL ROAD																
R5-1102	235+61	LT	CLASS II TRUCK ROUTE - POLE MOUNTED	-	2.00	2.00	4.00	-	-	4.00	-	-	-	-	-	-
R2-1	238+34	LT	SPEED LIMIT 45 W/ RADAR FEEDBACK	17.50	3.00	4.00	12.00	-	-	-	12.00	-	-	1.00	1.00	3.00
R6-1	240+49	LT	ONE WAY	15.00	4.50	1.50	6.75	14.00	-	6.75	-	14.00	-	-	-	-
R6-1	240+49	LT	ONE WAY		4.50	1.50	6.75			6.75						
R6-1	240+93	LT	ONE WAY - POLE MOUNTED		4.50	1.50	6.75			6.75						
R6-1	240+93	LT	ONE WAY - POLE MOUNTED		4.50	1.50	6.75			6.75						
D3-1 CUSTOM	240+93	LT	US 20 EAST - POLE MOUNTED		5.00	1.50	7.50			7.50						
M3-2	241+47	LT	EAST - POLE MOUNTED		2.00	1.00	2.00			2.00						
M1-4	241+47	LT	U.S. ROUTE 20 SIGN - POLE MOUNTED		2.00	2.00	4.00			4.00						
M6-2	241+47	LT	RIGHT ARROW - POLE MOUNTED		1.75	1.25	2.19			2.19						
R1-1	241+47	LT	STOP (FOLDED) - POLE MOUNTED		3.00	3.00	9.00			9.00						
W13-3	242+25	LT	RAMP 25 M.P.H.	17.50	3.00	4.00	12.00	17.00	-	-	12.00	-	17.00	-	-	-
R3-5	243+25	LT	RIGHT TURN ONLY - POLE MOUNTED	17.25	2.50	3.00	7.50	-	-	7.50	-	-	-	-	-	-
D1-2	244+25	LT	DESTINATION (ELGIN, CHICAGO)	18.50	5.00	2.50	12.50	16.00	16.00	-	12.50	-	16.00	-	-	-
R3-7	248+00	RT	RIGHT LANE MUST TURN RIGHT - POLE MOUNTED	15.50	3.00	3.00	9.00	-	-	9.00	-	-	-	-	-	-
M3-2	248+25	RT	EAST		2.00	1.00	2.00			2.00						
M1-4	248+25	RT	U.S. ROUTE 20 SIGN	15.00	2.00	2.00	4.00	17.00	-	4.00	-	17.00	-	-	-	-
M5-1	248+25	RT	ADVANCE RIGHT TURN ARROW		1.75	1.25	2.19			2.19						
W13-2	250+25	RT	EXIT 35 M.P.H.	15.00	2.00	2.50	5.00	15.00	-	5.00	-	15.00	-	-	-	-
CUSTOM SIGN	251+30	RT	US 20 EAST - POLE MOUNTED	17.50	7.50	2.50	18.75	-	-	-	18.75	-	-	-	-	-
R3-7	252+41	RT	RIGHT LANE MUST TURN RIGHT - POLE MOUNTED	15.50	3.00	3.00	9.00	-	-	9.00	-	-	-	-	-	-
W4-1	255+50	RT	MERGE	14.00	3.00	3.00	9.00	15.00	-	9.00	-	15.00	-	-	-	-
PROPOSED RAMP D																
R5-1a	702+00	RT	WRONG WAY	15.75	3.50	2.50	8.75	17.00	-	8.75	-	17.00	-	-	-	-
R5-1a	704+00	RT	WRONG WAY	15.75	3.50	2.50	8.75	17.00	-	8.75	-	17.00	-	-	-	-
R5-1	705+80	RT	DO NOT ENTER	15.50	3.00	3.00	9.00	17.00	-	9.00	-	17.00	-	-	-	-
R5-1	706+24	LT	DO NOT ENTER - POLE MOUNTED		3.00	3.00	9.00			9.00						
R3-5	706+24	LT	LEFT TURN ONLY - POLE MOUNTED		2.50	3.00	7.50			7.50						
R3-5	706+28	RT	RIGHT TURN ONLY - POLE MOUNTED		2.50	3.00	7.50			7.50						
R1-1	706+28	RT	STOP (FOLDED) - POLE MOUNTED		3.00	3.00	9.00			9.00						
R5-1	706+28	RT	DO NOT ENTER - POLE MOUNTED		3.00	3.00	9.00			9.00						
D3-1 CUSTOM	706+28	RT	RANDALL RD - POLE MOUNTED		5.00	1.50	7.50			7.50						
R5-1	705+80	RT	DO NOT ENTER	15.50	3.00	3.00	9.00	17.00	-	9.00	-	17.00	-	-	-	-
PROPOSED RAMP C																
R5-1100	501+21	RT	USE PROHIBITED BY	16.00	4.00	5.00	20.00	18.00	-	-	20.00	-	18.00	-	-	-
PROPOSED U.S. 20																
M3-2	940+22	RT	EAST	12.00	3.00	1.50	4.50	18.00	-	4.50	-	18.00	-	-	-	-
M1-4	940+22	RT	U.S. ROUTE 20 SIGN		3.00	3.00	9.00			9.00						
W4-2	942+22	RT	LANE ENDS	12.00	4.00	4.00	16.00	17.00	-	-	16.00	-	17.00	-	-	-
R8-4	951+67	RT	EMERGENCY PARKING ONLY	12.00	2.50	2.00	5.00	15.00	-	5.00	-	15.00	-	-	-	-
PROPOSED Weld Road																
OM4-1	46+28	RT	TYPE 4 OBJECT MARKER	7.25	1.50	1.50	2.25	15.00	-	2.25	-	15.00	-	-	-	-
OM4-1	46+28	LT	TYPE 4 OBJECT MARKER	7.25	1.50	1.50	2.25	15.00	-	2.25	-	15.00	-	-	-	-
OM4-1	46+40	LT	TYPE 4 OBJECT MARKER	7.25	1.50	1.50	2.25	15.00	-	2.25	-	15.00	-	-	-	-
W14-1	51+53	LT	DEAD END	7.75	2.50	2.50	6.25	15.00	-	6.25	-	15.00	-	-	-	-
R2-1	52+92	RT	SPEED LIMIT 45	13.00	2.00	2.50	5.00	15.00	-	5.00	-	15.00	-	-	-	-
R2-1	58+24	LT	SPEED LIMIT 45	7.50	2.00	2.50	5.00	15.00	-	5.00	-	15.00	-	-	-	-
W14-3	69+14	LT	NO PASSING ZONE (PENNTANT)	8.50	4.00	3.00	6.00	17.00	-	6.00	-	17.00	-	-	-	-
										TOTAL						
										300.00	253.00	341.00	278.00	2.00	2.00	6.00



USER NAME = RROGERS
DESIGNED - TBH
DRAWN - TBH
PLOT SCALE = 100,0000' / in.
PLOT DATE = 01/03/2019

REVISOR -
REVISIONS -
CHECKED - DWW
DATE - 01-03-19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN
PROPOSED SIGN SCHEDULE

SCALE: N/A SHEET 6 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336/345	14-00446-00-CH	KANE	354	94
CONTRACT NO. 61F57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

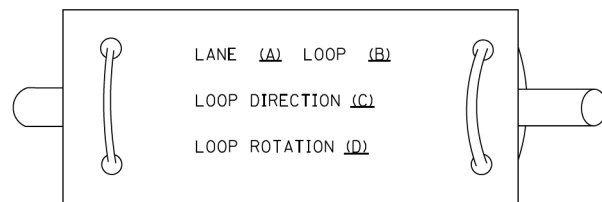
(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

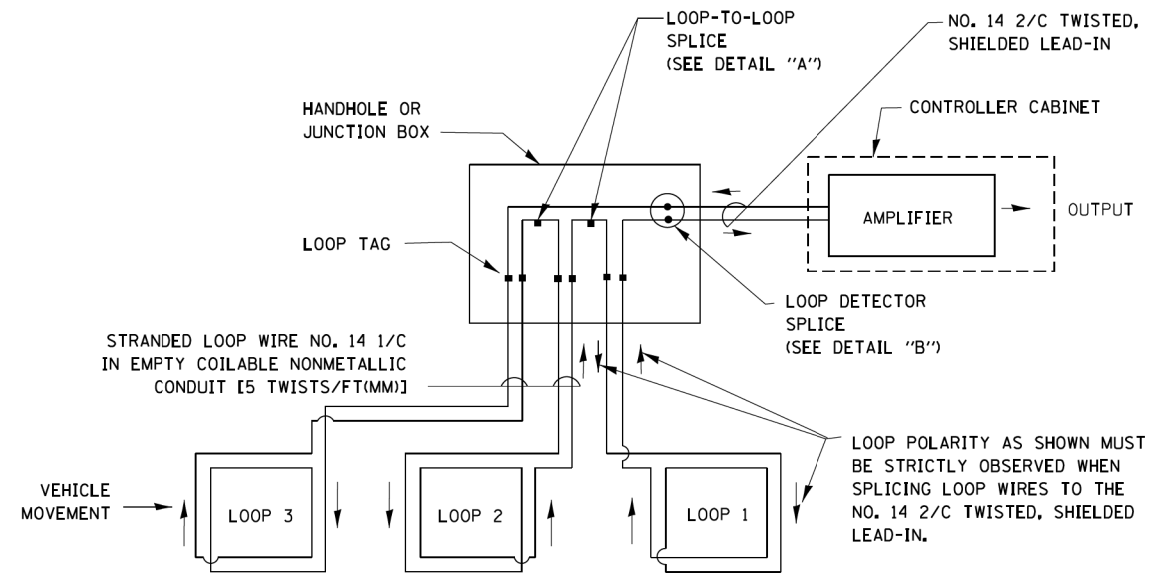
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

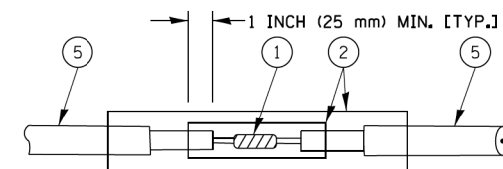


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

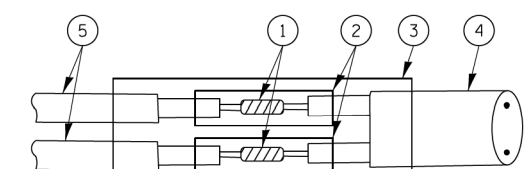


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

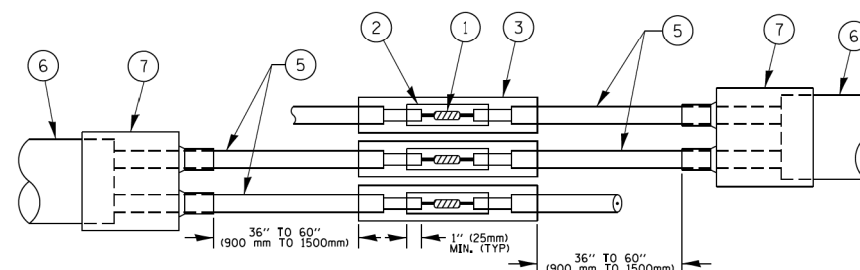


DETAIL "A"
LOOP-TO-LOOP SPLICE

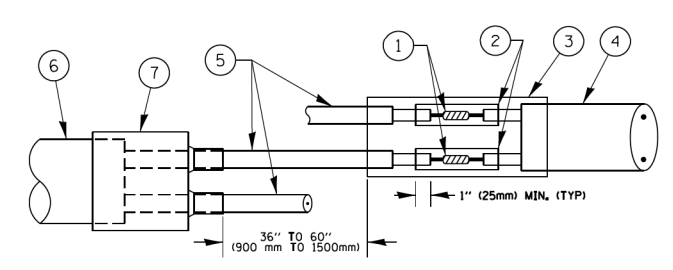


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

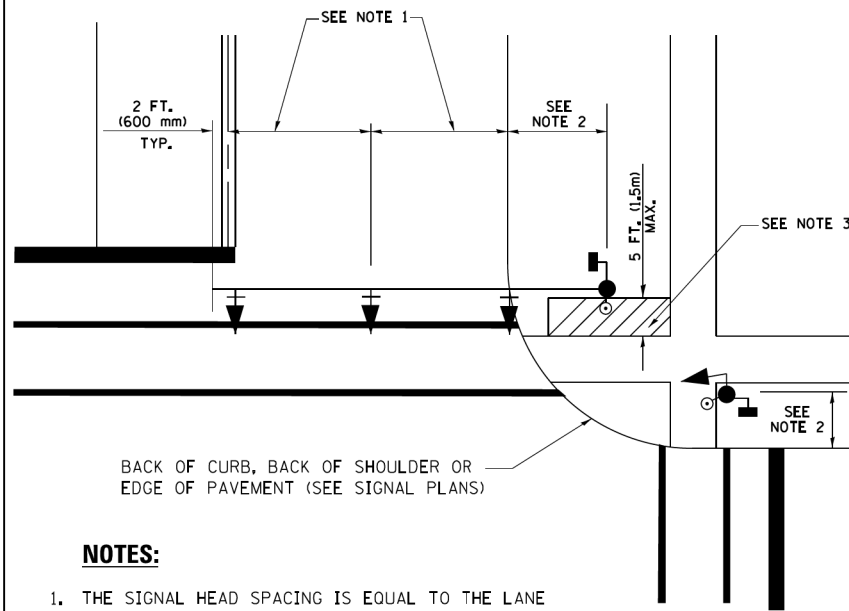
PREFORMED LOOP

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 96
ca:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61F57		
		CHECKED - DAD	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 10-28-09	REVISED -									

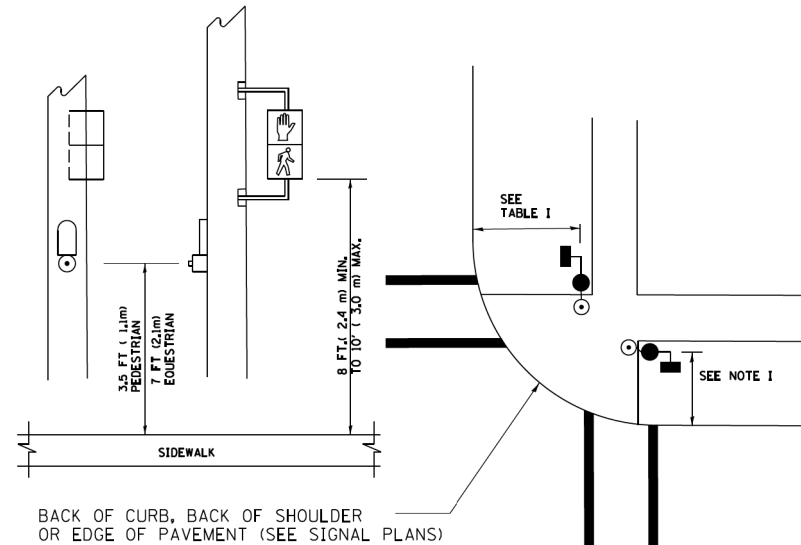
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

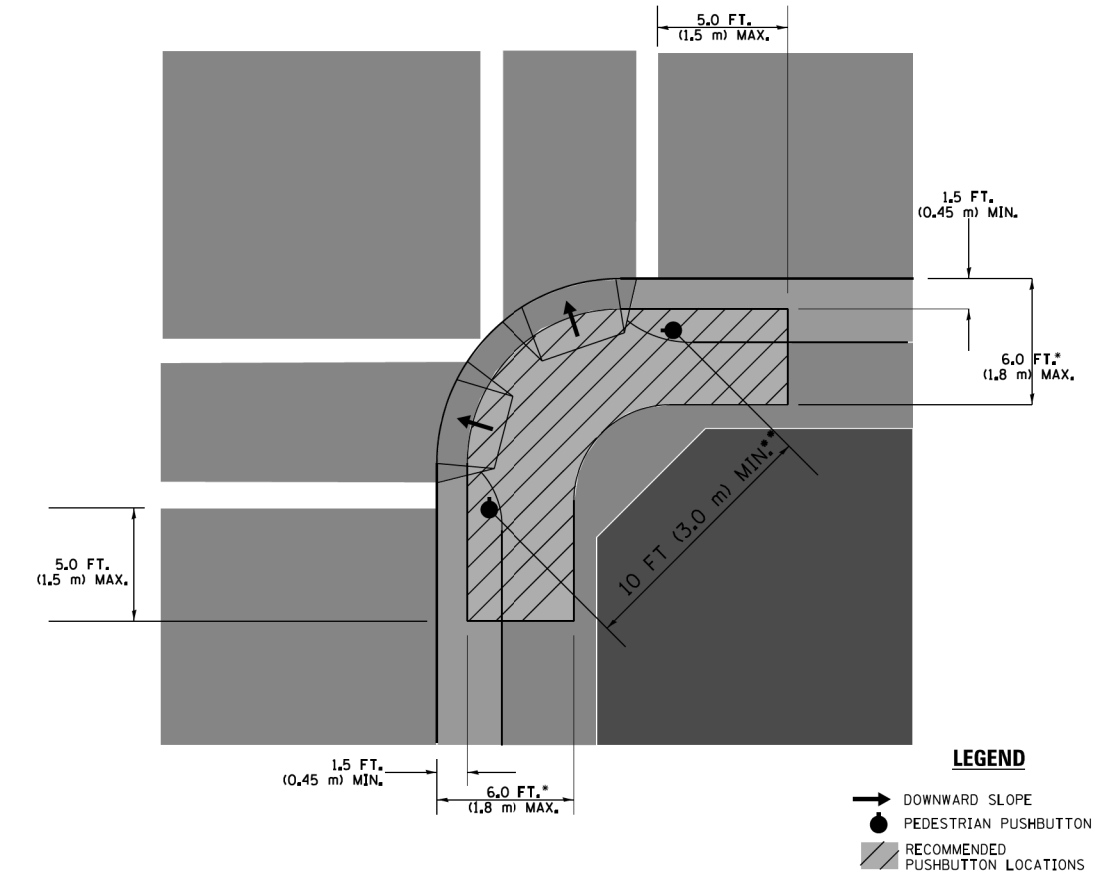
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

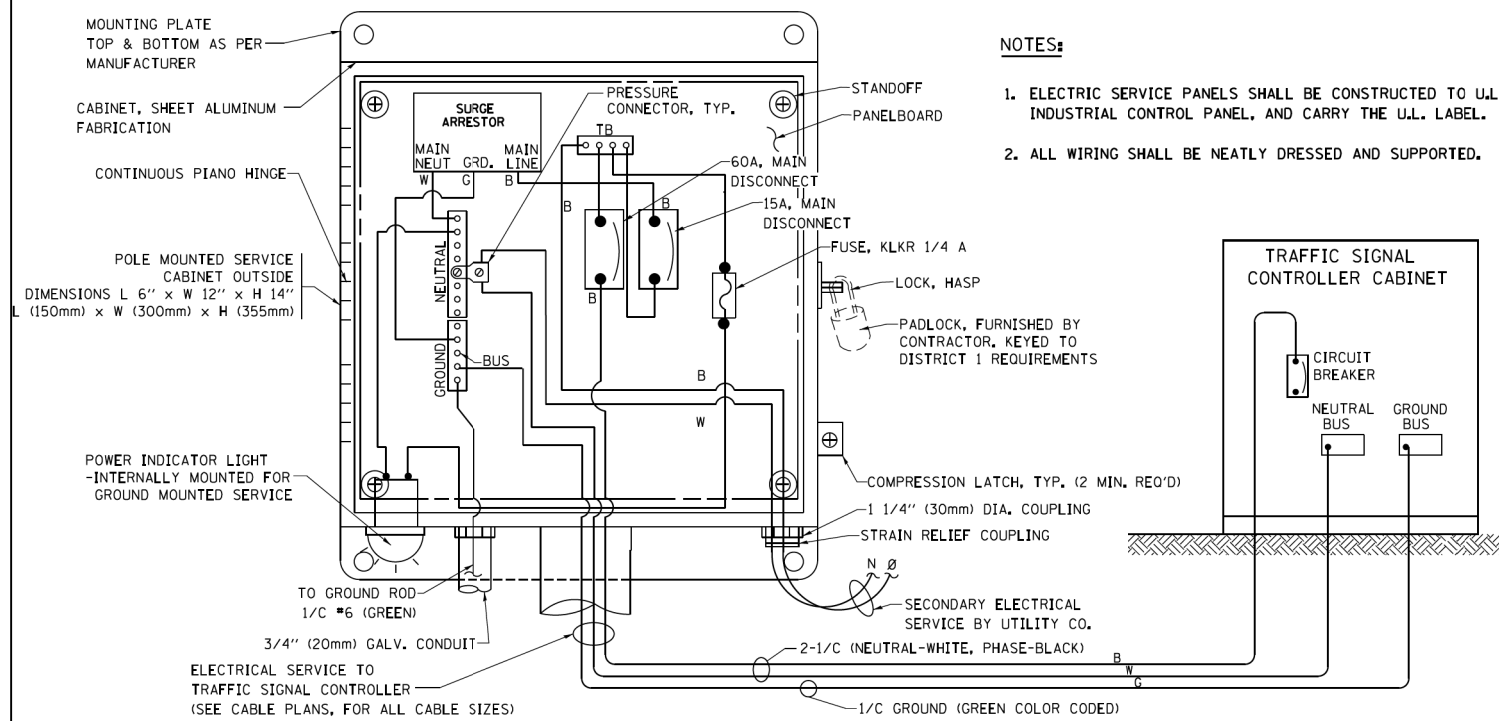
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

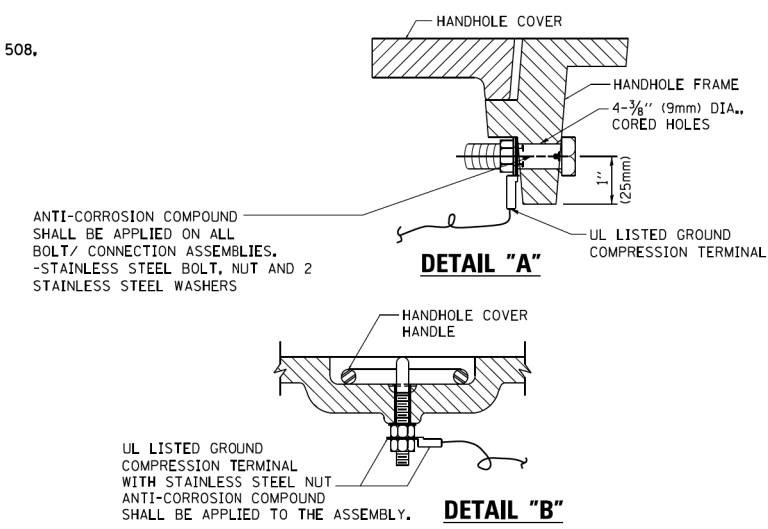
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

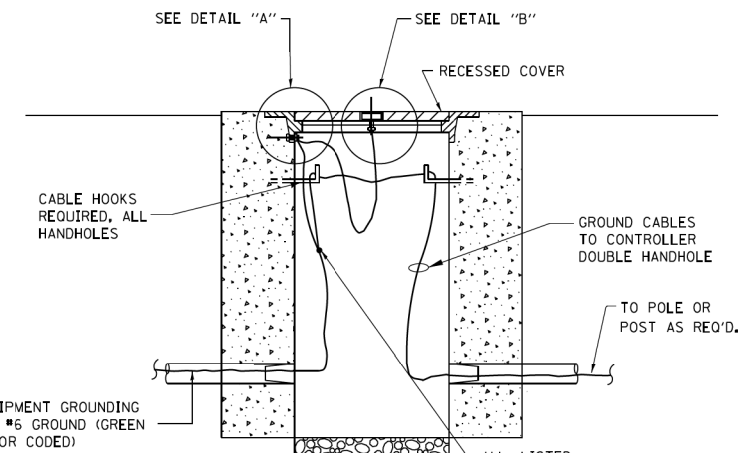


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

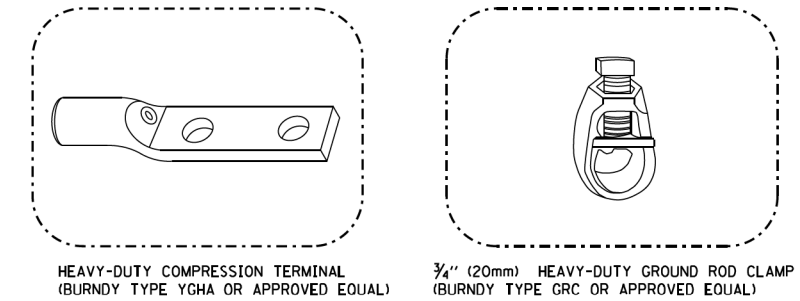


NOTES:
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

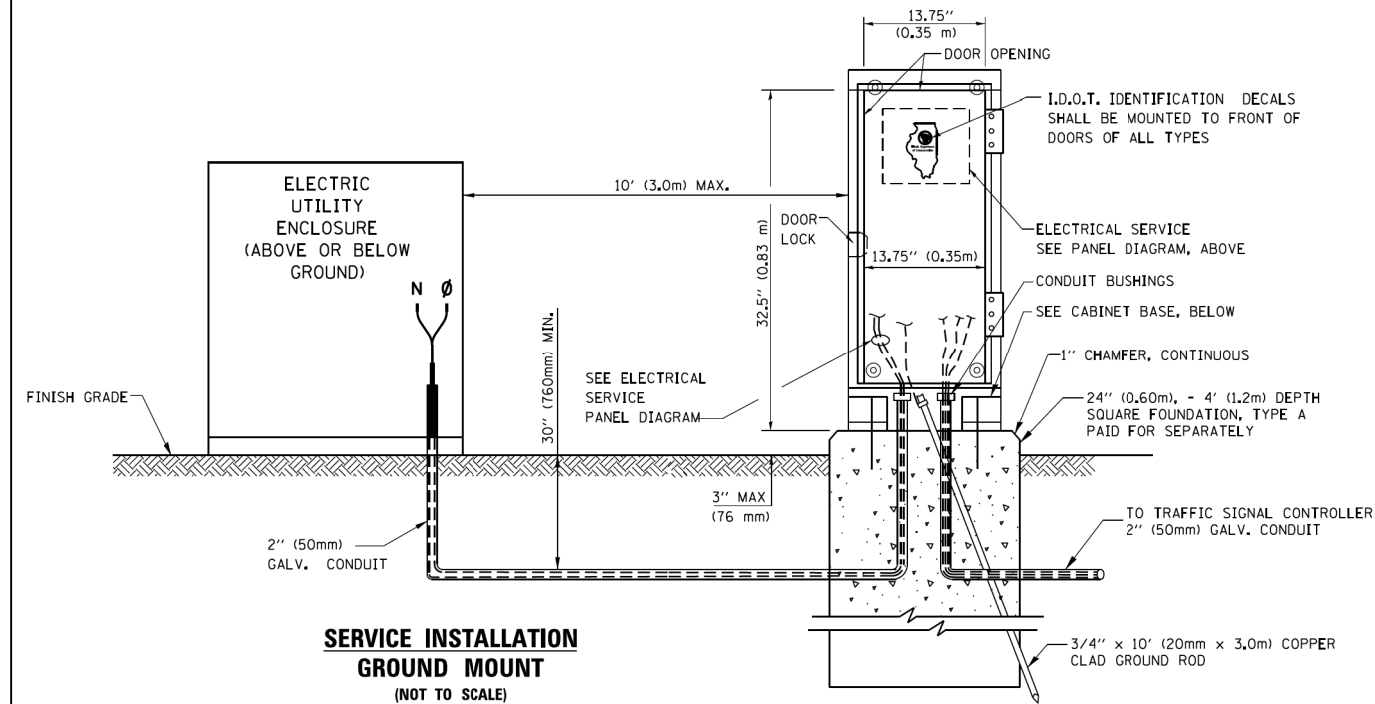


HANDHOLE COVER & FRAME – GROUNDING DETAIL (NOT TO SCALE)

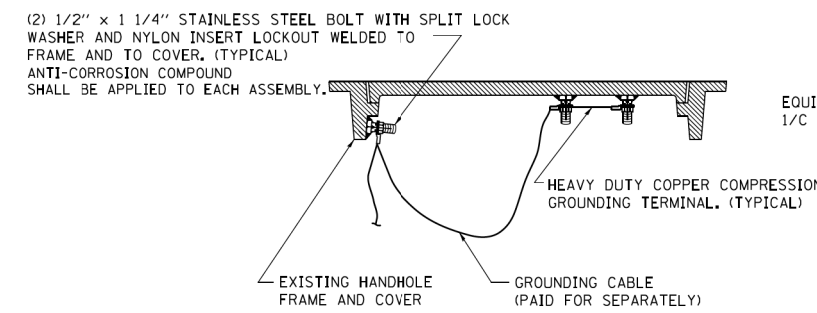


NOTES:

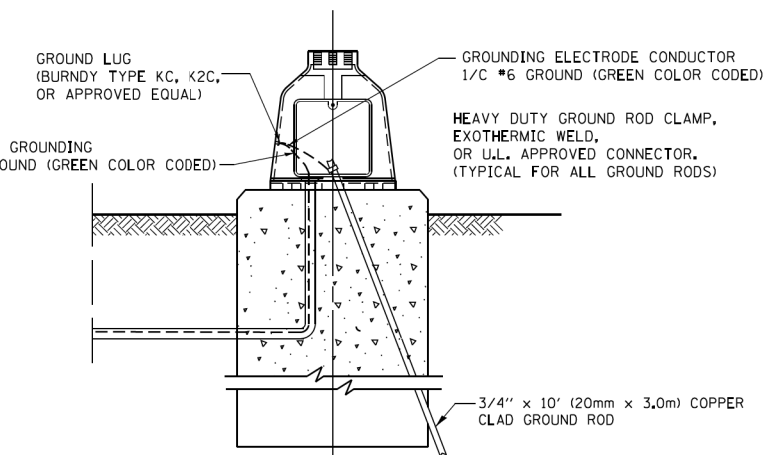
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

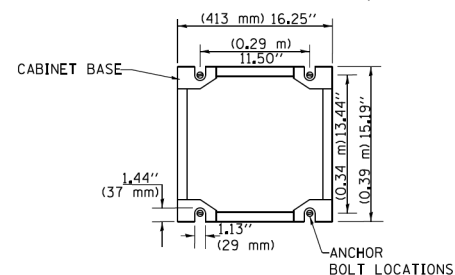


EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL (NOT TO SCALE)



MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)

CABINET – BASE BOLT PATTERN (NOT TO SCALE)

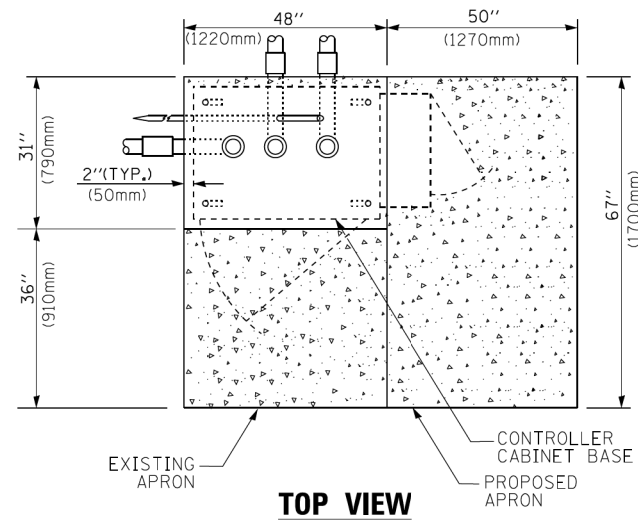


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		DATE - 10-28-09	REVISED -

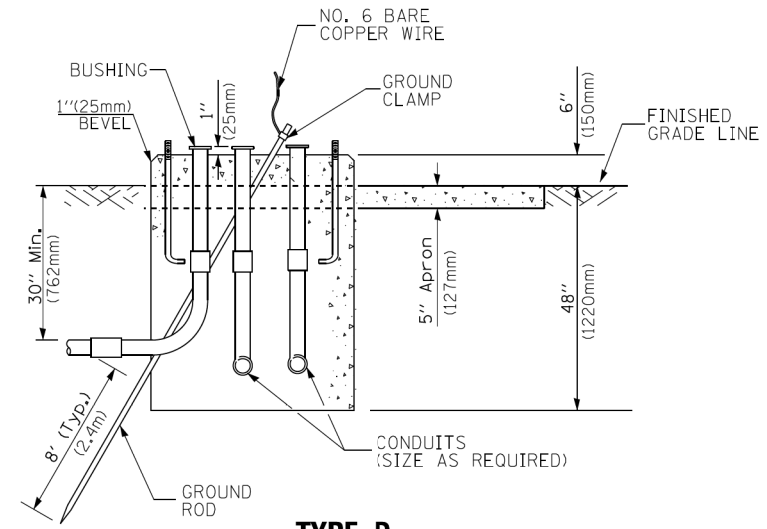
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS STA. TO STA.

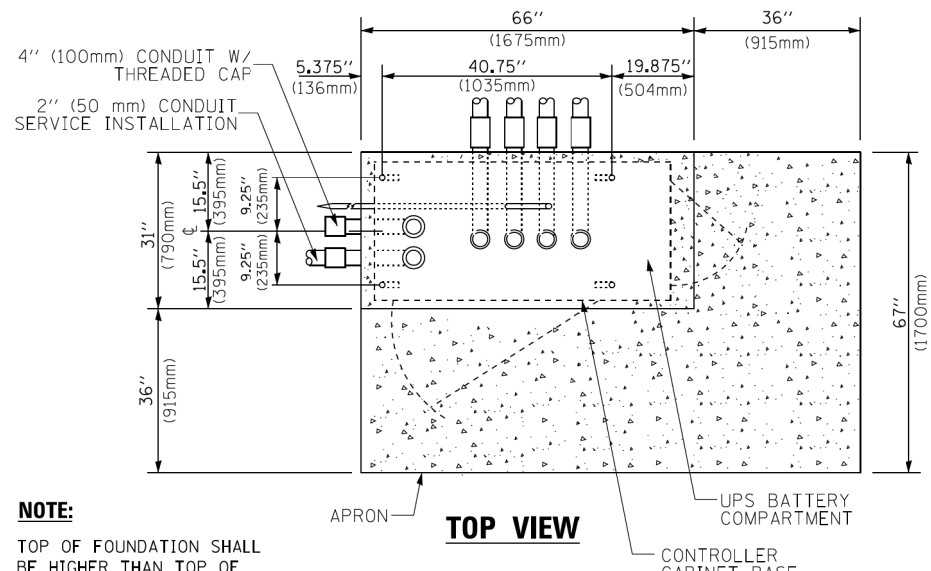
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TS-05		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW

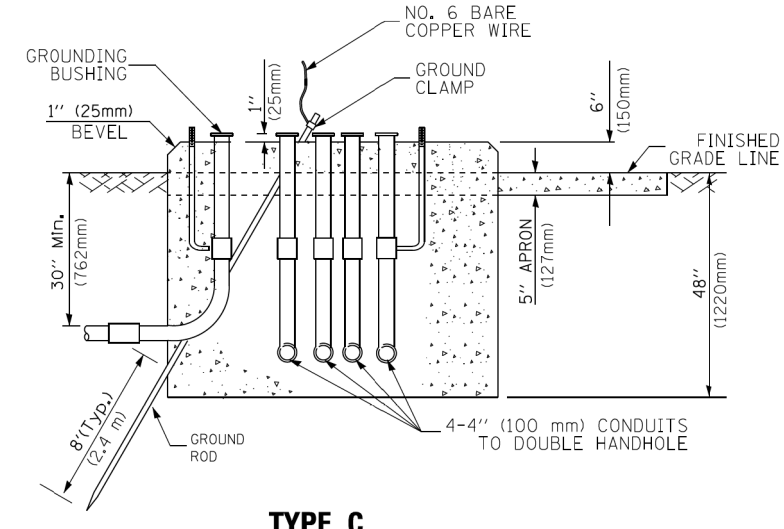


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

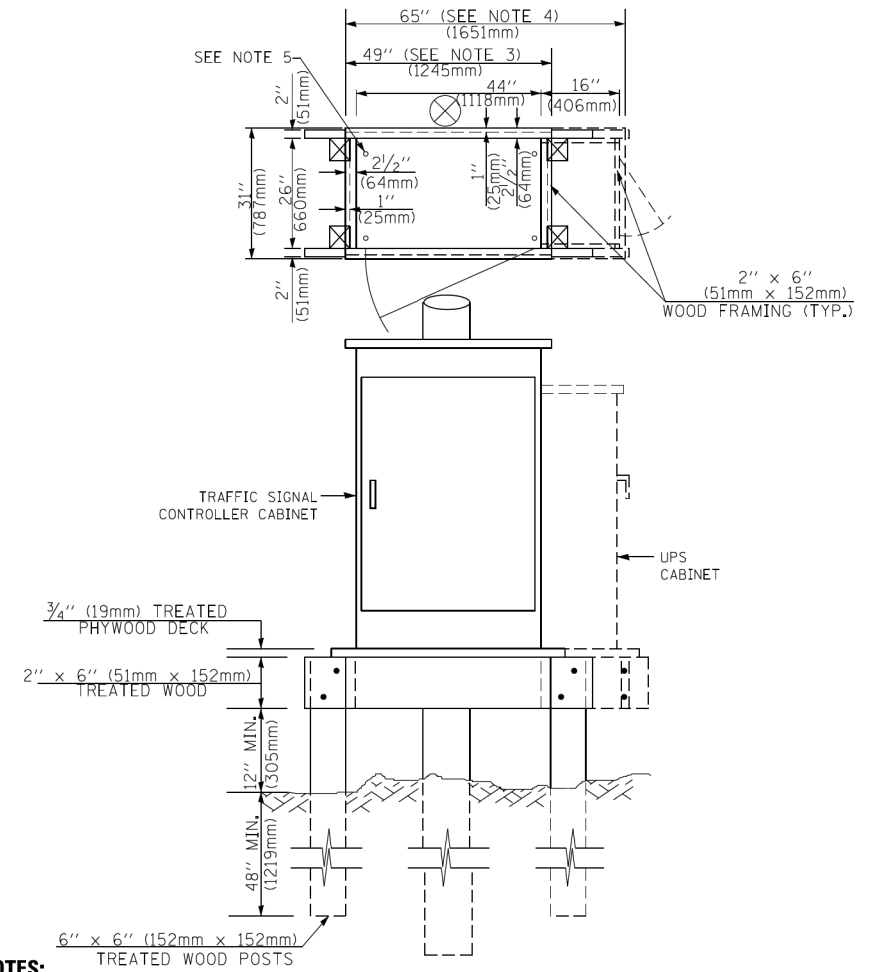


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

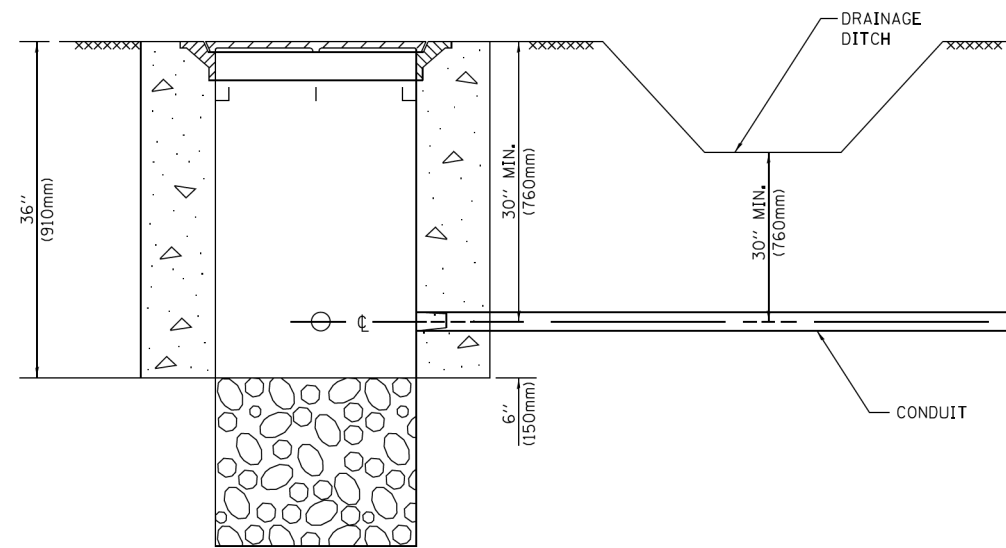
DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
- Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- For mast arm assemblies with dual arms refer to state standard 878001..

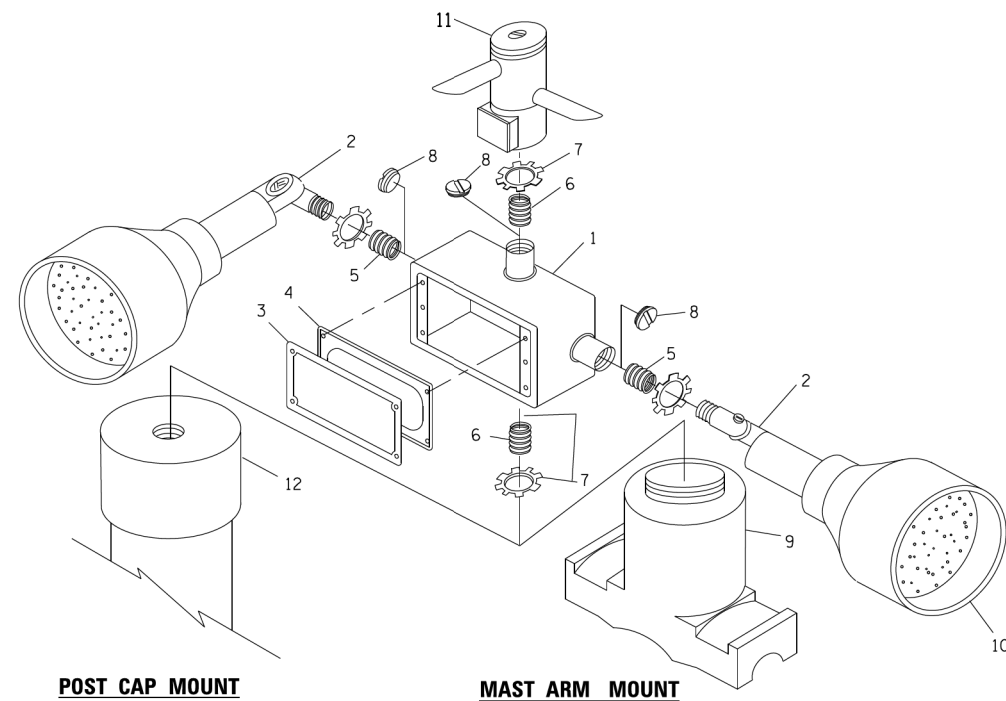
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

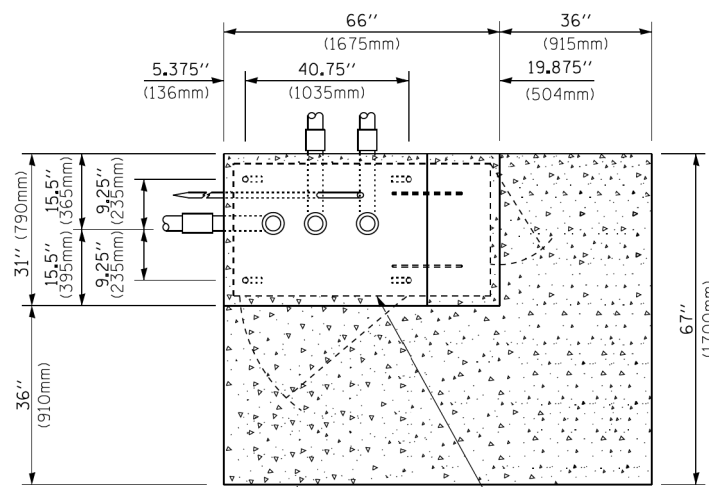
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



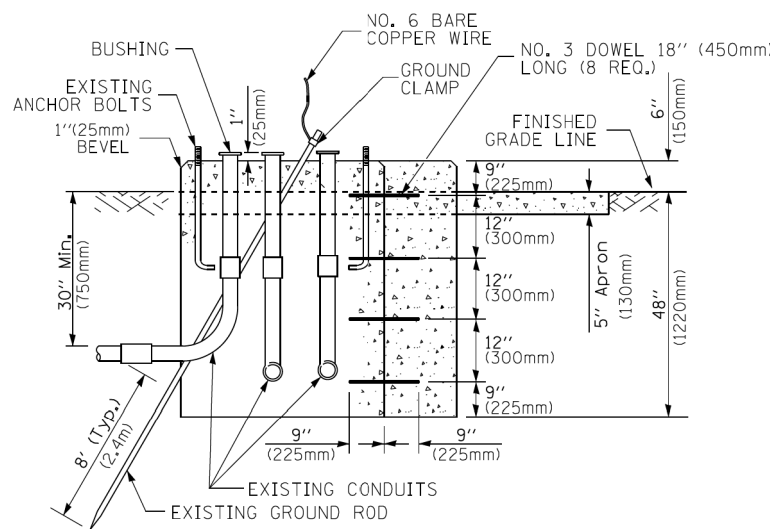
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

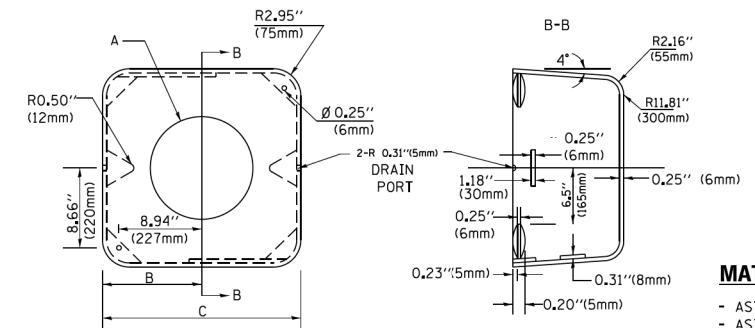


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

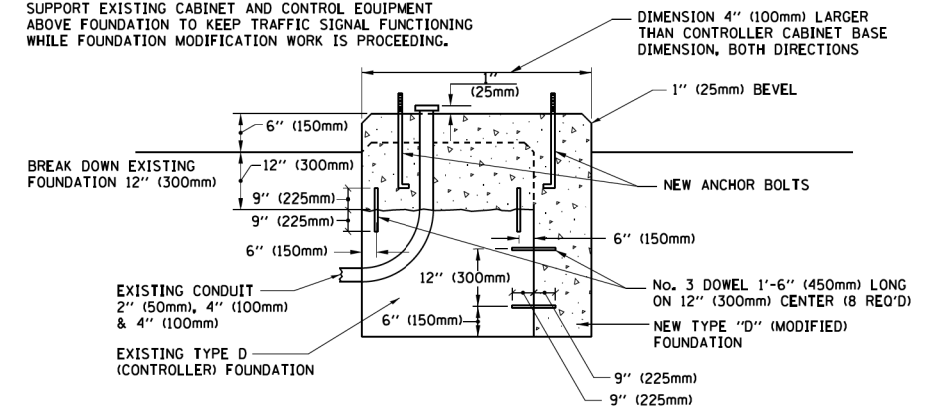
SHROUD

NOTES:

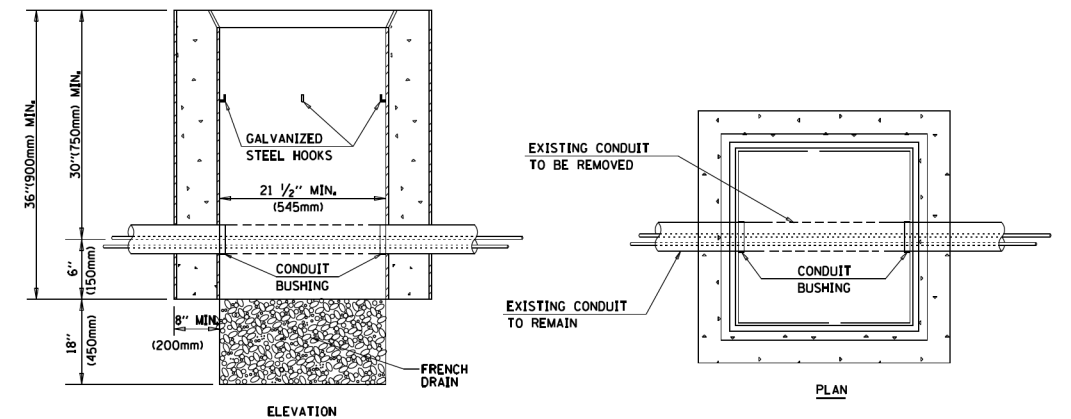
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 336/345	SECTION 14-00446-00-CH	COUNTY KANE	TOTAL SHEETS 354	SHEET NO. 100
TS-05		CONTRACT NO. 61F57		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				