F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 61D77		

TOTAL SHEETS: 125+2 = 127

INDEX OF SHEETS
SEE SHEET 2 FOR INDEX OF SHEETS

HIGHWAY STANDARDS
SEE SHEET 2 FOR LIST OF HIGHWAY STANDARDS

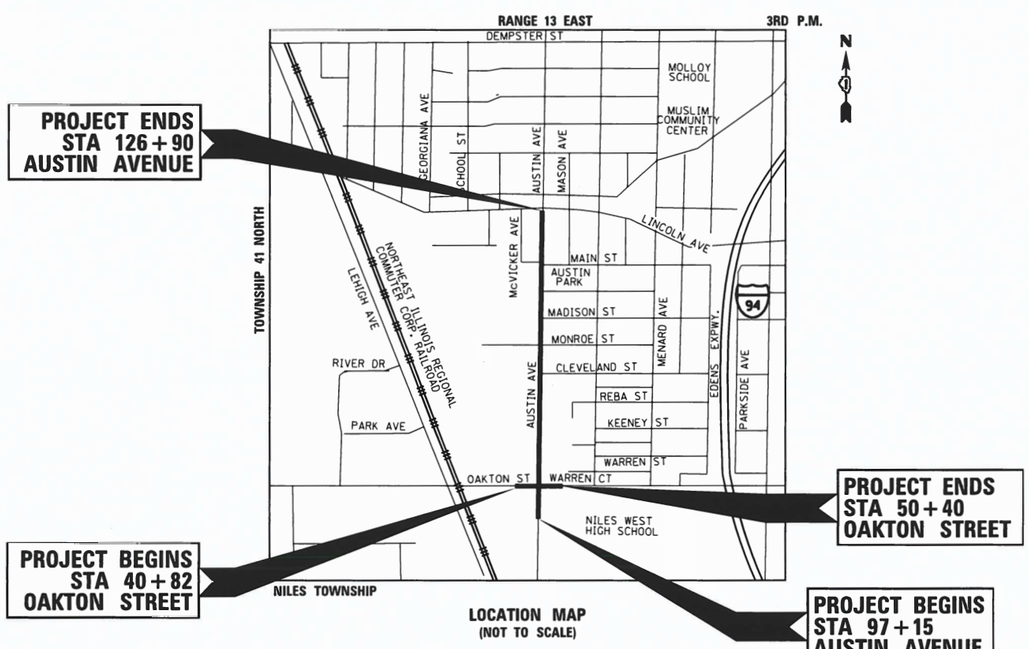
DISTRICT 1 DETAILS
SEE SHEET 2 FOR LIST OF DISTRICT 1 DETAILS

03-08-2024 LETTING ITEM 130

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 2791 (AUSTIN AVENUE)
FAU 1332 (OAKTON STREET) TO FAU 3525 (LINCOLN AVENUE)
ROADWAY IMPROVEMENTS, RESURFACING
SECTION 12-00106-00-PV
PROJECT NO. 5FI6(675)
VILLAGE OF MORTON GROVE
COOK COUNTY
C-91-225-13

LOCATION OF SECTION INDICATED THUS: –



LOCATION MAP
(NOT TO SCALE)

PROJECT LENGTH

GROSS LENGTH (OAKTON STREET) = 958 FT. = 0.18 MILE
NET LENGTH (OAKTON STREET) = 958 FT. = 0.18 MILE
GROSS LENGTH (AUSTIN AVENUE) = 2975 FT. = 0.56 MILE
NET LENGTH (AUSTIN AVENUE) = 2975 FT. = 0.56 MILE
GROSS LENGTH = 3933 FT. = 0.74 MILE
NET LENGTH = 3933 FT. = 0.74 MILE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved December 27, 2023 DATE
Village of Morton Grove, Village Engineer

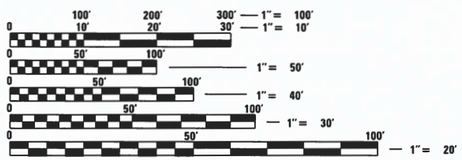
Passed January 5 2024 DATE
District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review January 5, 2024 DATE
Regional Engineer

CiorbaGroup
CONSULTING ENGINEERS
DESIGN FIRM REGISTRATION NUMBER: 184-001016
8725 W. Higgins Road, Suite 600 | Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

AUSTIN AVENUE: MAJOR URBAN COLLECTOR
ADT (2022) = 5,500
DESIGN SPEED = 30 MPH
POSTED SPEED = 25 MPH
DESIGN DESIGNATION – 672(16) URBAN COLLECTOR

OAKTON STREET: MINOR ARTERIAL
ADT (2016) = 28,100
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH



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

CONTRACT NO. 61D77

ERIC SPINA
062-065508
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

DATE: 12/28/2023
SEAL EXPIRES: 11/30/2025

CONSULTANT ENGINEER: ERIC SPINA, P.E. CIORBA GROUP, INC
FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAMBURG, IL

INDEX OF SHEETS

HIGHWAY STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
602001-02	CATCH BASIN, TYPE A
602301-04	INLET, TYPE A
602401-07	PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
602701-02	MANHOLE STEPS
604001-05	FRAMES AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) to 24' (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) to 24' (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMETTENT OR MOVING OPERATIONS, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS FOR RAISED REFLECTIVE PAVEMENT MARKERS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS
B.L.R. 28-1	COMBINATION CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

IDOT DISTRICT 1 DETAILS

STANDARD NO.	LIST OF DESCRIPTION
BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)
BD-07	STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLINGS
BD-16	DROP MANHOLE DETAILS
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
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 MARKINGS LETTERS & SYMBOLS
TC-22	ARTERIAL ROAD INFORMATIONAL SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAIL
TS-07	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

COMMITMENTS

CASTWELL PRODUCTS, LLC AT 7800 AUSTIN AVENUE IS A CRITICAL WATER CUSTOMER AND NEEDS TO BE NOTIFIED OF THE SPECIFIED SCHEDULE FOR A PLANNED WATER SERVICE INTERRUPTION OR WITHIN 1-HOUR OF DETECTION IF THERE IS AN UNFORESEEN WATER SERVICE INTERRUPTION.

CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 1/30/2024	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX AND STANDARDS

SCALE: | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	2
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.

2. EXISTING UTILITIES

   WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION AND ELEVATIONS OF UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO LOCATION AND ELEVATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDERS. THE ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION AND ELEVATION OF UTILITY FACILITIES, NOR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED.

   THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT 1-800-892-0123 AT LEAST 48 HOURS PRIOR TO START OF WORK.

3. PAVEMENT DISTURBED DURING CONSTRUCTION

   ANY EXISTING ROADWAY PAVEMENT OR SHOULDER DISTURBED DURING CONSTRUCTION THAT IS NOT SCHEDULED TO BE REMOVED SHALL BE RESTORED IN ACCORDANCE WITH I.D.O.T. AND VILLAGE OF MORTON GROVE STANDARDS.

4. FINAL FRAME ADJUSTMENTS

   THE CONTRACTOR SHALL MAKE ALL NECESSARY FINAL ADJUSTMENTS TO EXISTING AND PROPOSED FRAMES, GRATES, LIDS, AND STRUCTURES TO MEET FINAL FINISHED GRADES.

5. RECORD DRAWINGS

   THE CONTRACTOR SHALL MAINTAIN AND KEEP UP TO DATE A SET OF "RECORD DRAWINGS" SHOWING ALL CHANGES FROM THE ORIGINAL PLANS. THE CONTRACTOR SHALL DELIVER THE "RECORD DRAWINGS" TO THE ENGINEER AT THE CONCLUSION OF THE PROJECT.

6. BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

7. TACK COAT - TACK COAT MUST BE INSTALLED NO EARLIER THAN TWENTY-FOUR (24) HOURS PRIOR TO PLACEMENT OF HOT-MIX ASPHALT.

8. STATIONING AND OFFSET OF DRAINAGE STRUCTURES SHALL BE MEASURED AT THE CENTER OF THE GRATE/LID.

9. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXEL TRUCK.

10. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.

11. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

12. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

13. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART, 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.

14. RESIDENT ENGINEER TO COORDINATE WITH THE VILLAGE OF MORTON GROVE FOR TREE REPLACEMENT LOCATIONS.

15. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

16. NO TREES OVER 3 INCHES IN DIAMETER AT BREAST HEIGHT SHALL BE REMOVED FROM APRIL 1 TO SEPTEMBER 30.

MWRD GENERAL NOTES

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:

- THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).

C. GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.

3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.

4. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.

D. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
   a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
   b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED AT LOCATIONS APPROVED BY THE ENGINEER PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.

10. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

11. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).

12. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

13. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

14. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

15. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

16. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER.

17. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF STORM SEWERS AND WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

D. EROSION AND SEDIMENT CONTROL (CONT.)

19. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

20. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

21. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

22. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

CiorbaGroup
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P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: | SHEET NO. 02 OF 02 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	4
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
	20101100	TREE TRUNK PROTECTION	EACH	31	31	
*	20101200	TREE ROOT PRUNING	EACH	31	31	
*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	5	
*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	16	16	
	20200100	EARTH EXCAVATION	CU YD	2,443	2,443	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,302	1,302	
	20800150	TRENCH BACKFILL	CU YD	3,116	1,352	1,764
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	9,625	9,625	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,579	2,579	
	25200110	SODDING, SALT TOLERANT	SQ YD	2,579	2,579	
	25200200	SUPPLEMENTAL WATERING	UNIT	140	140	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	54	54	
	28000400	PERIMETER EROSION BARRIER	FOOT	180	180	
	28000510	INLET FILTERS	EACH	47	47	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,256	1,256	
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	10,423	10,423	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	2,120	2,120	
	35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	643	643	
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	110	110	
	35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SQ YD	7,373	7,373	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,564	3,564	
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	1,009	1,009	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	13	13	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	66	66	
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	682	682	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1,053	1,053	
	40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	372	372	
	40701921	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"	SQ YD	925	925	
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	65	65	
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	996	996	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	18,198	18,198	
	42400800	DETECTABLE WARNINGS	SQ FT	264	264	

• SPECIALTY ITEMS

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P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 1/4/2024	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 1 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	5
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
	44000100	PAVEMENT REMOVAL	SQ YD	8,625	8,625	
	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	3,161	3,161	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,119	1,119	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,318	5,318	
	44000600	SIDEWALK REMOVAL	SQ FT	11,943	11,943	
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	634	634	
	54248510	CONCRETE COLLAR	CU YD	1	1	
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	5	5	
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	178	178	
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	561	561	
	55100500	STORM SEWER REMOVAL 12"	FOOT	44	44	
	55100700	STORM SEWER REMOVAL 15"	FOOT	499	499	
	55100900	STORM SEWER REMOVAL 18"	FOOT	290	290	
	55101200	STORM SEWER REMOVAL 24"	FOOT	13	13	
*	56100600	WATER MAIN 6"	FOOT	52	52	
*	56100900	WATER MAIN 12"	FOOT	22	22	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
	60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	4	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	23	23	
	60255500	MANHOLES TO BE ADJUSTED	EACH	2	2	
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1	
	60500040	REMOVING MANHOLES	EACH	3	3	
	60500050	REMOVING CATCH BASINS	EACH	3	3	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,318	5,318	
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3,156	3,156	
*	66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GALLON	500	500	
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6	
*	66901000	BACKFILL PLUGS	CU YD	250	250	
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	

• SPECIALTY ITEMS

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PLOT DATE = 1/4/2024	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 2 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	6
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

DATE PLOTTED = 1/4/2024 9:34:41 AM
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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	185	185	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18	
	67100100	MOBILIZATION	L SUM	1	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	60	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,200	5,200	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,734	1,734	
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	297	297	
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	18,521	18,521	
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	774	774	
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	72	72	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	850	850	
	70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	37	37	
*	72000200	SIGN PANEL - TYPE 2	SQ FT	64	64	
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	20	20	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	284	284	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,113	5,113	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,844	1,844	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	322	322	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	252	252	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	68	68	
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	1,950	1,950	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	8,449	8,449	
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	785	785	
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	124	124	
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	350	350	
*	81400100	HANDHOLE	EACH	4	4	
*	81400200	HEAVY-DUTY HANDHOLE	EACH	2	2	
*	81400300	DOUBLE HANDHOLE	EACH	2	2	
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2	
*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1	1	
*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,004	1,004	

• SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 3 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	7
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

DATE PLOTTED = 1/4/2024 9:34:42 AM
PEN TABLE = $PENTBL$
REFERENCES = $REFDWG$
FILE NAME = N:\PROJ\0020458.00\0020458.01\Design\Misc. Sheets\0020458.01-soq01.dgn

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,114	1,114	
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,454	1,454	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,727	1,727	
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,332	1,332	
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,700	1,700	
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	157	157	
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	695	695	
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	3	
*	87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1	1	
*	87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	1	
*	87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	1	
*	87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1	1	
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	16	
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4	
*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24	24	
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28	28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6	6	
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	4	
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	4	
*	88030310	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	4	
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8	
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10	10	
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	6	6	
*	88600100	DETECTOR LOOP, TYPE I	FOOT	366	366	
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
*	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2	2	
*	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1	1	
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,191	1,191	
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
*	89502380	REMOVE EXISTING HANDHOLE	EACH	8	8	
*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2	2	
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	9	

• SPECIALTY ITEMS

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PLOT DATE = 1/4/2024	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 4 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	8
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

DATE PLOTED = 1/4/2024 9:34:42 AM
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	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	541	541	
	*	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	1	
		Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	35	35	
		Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	59	59	
	*	Z0056800	SANITARY SEWER 6"	FOOT	164		164
	*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	
#		Z0076600	TRAINEES	HOUR	500		
#		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		
		K0036120	MULCH PLACEMENT 4"	SQ YD	144	144	
	*	X0323360	WOODEN POLE REMOVAL	EACH	1	1	
		X0324058	OUTLET SPECIAL	EACH	1	1	
	*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	310	310	
	*	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	1,131	1,131	
	*	X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1	
	*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
*	X1400217	TERMINATE FIBER IN CABINET	EACH	4	4	
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3	3	
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1	1	
*	X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2	2	
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	7	7	
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	22	22	
	X4023000	TEMPORARY ACCESS (ROAD)	EACH	7	7	
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	5,245	5,245	
*	X5509902	ABANDON AND FILL EXISTING SANITARY SEWER	EACH	1		1
	X5510011	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	2	2	
*	X5610706	WATER MAIN REMOVAL, 6"	FOOT	52	52	
*	X5610712	WATER MAIN REMOVAL, 12"	FOOT	239	239	
*	X5630212	SANITARY SEWER CONNECTION	EACH	1		1
*	X6022312	DROP SANITARY MANHOLES, WITH TYPE 1 FRAME, CLOSED LID	EACH	1		1
*	X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11		11
	X6025604	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	5	5	

#0042

- **SPECIALTY ITEMS**

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
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PLOT DATE = 1/4/2024	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 5 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	9
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	ROADWAY 70% FED/ 30% LOCAL 0004	SANITARY 100% LOCAL 0004
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	132	132	
	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
*	X8100863	INTERCEPT EXISTING CONDUIT	EACH	2	2	
*	X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1	1	
*	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2,951	2,951	
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8	
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16	16	
*	X8809005	LED SIGNAL FACE, LENS COVER	EACH	18	18	
*	XX004913	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	2,712	2,712	
*	XX006249	SANITARY SEWER, PVC C909 8"	FOOT	55		55
*	XX006250	SANITARY SEWER, PVC D3034 10"	FOOT	929		929
*	XX007622	ELECTRIC METER	EACH	1	1	

• SPECIALTY ITEMS

DATE PLOTTED = 1/4/2024 9:34:43 AM
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 6 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	10
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

COMMENT	STATION	LENGTH	CUT	FILL	EARTH EXCAVATION	EARTH EXCAVATION FOR EMBANKMENT ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		FT	SQ FT	SQ FT	CY	CY	CY	CY
	97+15.00		19.6	0.9				
	97+50.00	35	36.7	4.7	36.5	31.0	3.6	27.4
	97+74.00	24	36.7	3.8	32.6	27.7	3.8	24.0
	98+00.00	26	36.9	2.1	35.4	30.1	2.8	27.3
	98+50.00	50	37.4	2.9	68.8	58.5	4.6	53.8
	99+00.00	50	68.1	2.2	97.7	83.0	4.7	78.3
	99+40.00	40	156.5	0.0	166.4	141.4	1.6	139.8
	SUBTOTALS				437.4	371.8	21.2	350.6
	100+63.55		119.1	0.0				
	100+75.00	11	48.7	4.9	35.6	30.2	1.0	29.2
	101+00.00	25	35.7	0.1	39.1	33.2	2.3	30.9
	101+50.00	50	18.6	5.9	50.3	42.7	5.6	37.2
	101+68.20	18	16.2	2.3	11.7	10.0	2.8	7.2
	102+00.00	32	16.0	2.1	19.0	16.1	2.6	13.5
	102+50.00	50	15.5	1.8	29.2	24.8	3.6	21.2
	102+77.34	27	19.6	3.0	17.8	15.1	2.4	12.7
	103+00.00	23	17.2	1.8	15.4	13.1	2.0	11.1
	103+50.00	50	14.5	2.7	29.4	24.9	4.2	20.8
	103+85.06	35	11.8	3.0	17.1	14.5	3.7	10.8
	104+00.00	15	20.0	1.5	8.8	7.5	1.2	6.2
	104+40.74	41	19.0	2.9	29.4	25.0	3.3	21.7
	104+50.00	9	11.3	3.1	5.2	4.4	1.0	3.4
	104+78.28	28	12.0	3.7	12.2	10.4	3.6	6.8
	105+00.00	22	22.0	4.2	13.7	11.6	3.2	8.4
	105+50.00	50	33.1	4.3	51.0	43.4	7.9	35.5
	106+00.00	50	15.3	5.5	44.8	38.1	9.1	29.0
	106+50.00	50	15.1	1.5	28.1	23.9	6.5	17.4
	106+54.44	4	32.7	1.5	3.9	3.3	0.2	3.1
	107+00.00	46	18.9	1.7	43.5	37.0	2.7	34.3
	107+28.98	29	19.6	3.5	20.7	17.6	2.8	14.8
	107+50.00	21	12.0	2.6	12.3	10.5	2.4	8.1
	108+00.00	50	15.2	2.5	25.2	21.4	4.7	16.7
	108+50.00	50	12.6	2.4	25.7	21.9	4.5	17.3
	109+00.00	50	12.9	2.6	23.6	20.1	4.6	15.4
	109+50.00	50	12.0	3.5	23.1	19.6	5.6	13.9
	110+00.00	50	10.9	4.0	21.2	18.0	6.9	11.1
	110+27.98	28	11.5	3.0	11.6	9.9	3.6	6.2
	110+50.00	22	11.5	3.8	9.4	8.0	2.8	5.2
	110+90.86	41	16.2	2.7	21.0	17.8	4.9	12.9
	111+00.00	9	17.1	2.4	5.6	4.8	0.9	3.9
	111+50.00	50	15.7	4.9	30.4	25.8	6.8	19.1
	111+54.71	5	16.2	4.9	2.8	2.4	0.9	1.5
	111+67.82	13	10.9	3.8	6.6	5.6	2.1	3.5
	112+00.00	32	11.7	3.6	13.5	11.4	4.4	7.0
	112+50.00	50	16.2	4.3	25.8	22.0	7.3	14.6
	112+84.14	34	17.1	4.6	21.1	17.9	5.6	12.3
	113+00.00	16	21.8	1.8	11.4	9.7	1.9	7.8
	113+19.15	19	33.1	1.3	19.5	16.5	1.1	15.4
	113+40.68	22	16.3	1.5	19.7	16.7	1.1	15.6
	113+50.00	9	17.5	5.8	5.8	5.0	1.3	3.7
	114+00.00	50	16.2	4.0	31.2	26.5	9.1	17.4
	114+50.00	50	17.9	4.6	31.6	26.8	8.0	18.9
	114+66.86	17	18.5	3.4	11.4	9.7	2.5	7.2
	115+00.00	33	12.1	4.2	18.8	16.0	4.7	11.3
	115+28.43	28	18.7	5.0	16.2	13.8	4.8	8.9
	115+50.00	22	15.6	8.6	13.7	11.6	5.4	6.2
	116+00.00	50	18.2	4.9	31.3	26.6	12.5	14.1
	116+20.78	21	30.0	2.8	18.5	15.8	3.0	12.8
	116+50.00	29	31.4	0.8	33.2	28.2	1.9	26.3
	116+70.68	21	19.4	1.8	19.5	16.5	1.0	15.5
	117+00.00	29	19.5	3.0	21.1	18.0	2.6	15.3
	117+50.00	50	16.4	1.9	33.2	28.3	4.5	23.7
	118+00.00	50	22.0	1.9	35.6	30.2	3.5	26.7
	118+03.45	3	23.5	2.0	2.9	2.5	0.2	2.2
	118+32.55	29	22.7	2.2	24.9	21.2	2.3	18.9
	118+50.00	17	26.0	2.0	15.7	13.4	1.4	12.0
	119+00.00	50	35.0	2.8	56.5	48.0	4.4	43.6
	119+50.00	50	19.1	5.7	50.1	42.6	7.9	34.7
	119+70.72	21	26.9	1.5	17.7	15.0	2.8	12.2
	120+00.00	29	18.4	1.4	24.6	20.9	1.6	19.3
	120+50.00	50	22.6	4.7	38.0	32.3	5.6	26.6
	121+00.00	50	17.2	4.1	36.9	31.3	8.1	23.2
	121+23.67	24	19.8	2.7	16.2	13.8	3.0	10.8
	121+50.00	26	32.3	0.8	25.4	21.6	1.7	19.9
BACK	121+75.93	26	30.3	0.4	30.1	25.6	0.6	25.0
AHEAD	122+00.00	24	15.2	1.9	20.3	17.2	1.0	16.2
	122+50.00	50	30.2	2.7	42.0	35.7	4.3	31.5
	123+00.00	50	40.4	1.5	65.4	55.6	3.9	51.7
	123+50.00	50	22.6	3.3	58.3	49.6	4.4	45.1
BACK	124+00.00	50	18.5	4.1	38.1	32.3	6.9	25.5
AHEAD	124+50.00	50	19.6	5.0	35.3	30.0	8.4	21.6
	125+00.00	50	22.1	4.1	38.6	32.8	8.4	24.4
	125+50.00	50	23.2	4.5	41.9	35.7	8.0	27.7
	126+00.00	50	17.2	1.9	37.4	31.8	5.9	25.9
	126+50.00	50	49.8	0.0	62.0	52.7	1.8	51.0
	126+90.00	40	18.2	1.8	50.4	42.8	1.3	41.5
	SUBTOTALS				2004.9	1704.1	302.6	1401.5

TOTAL	2443.0	2075.9	323.8	1752.1

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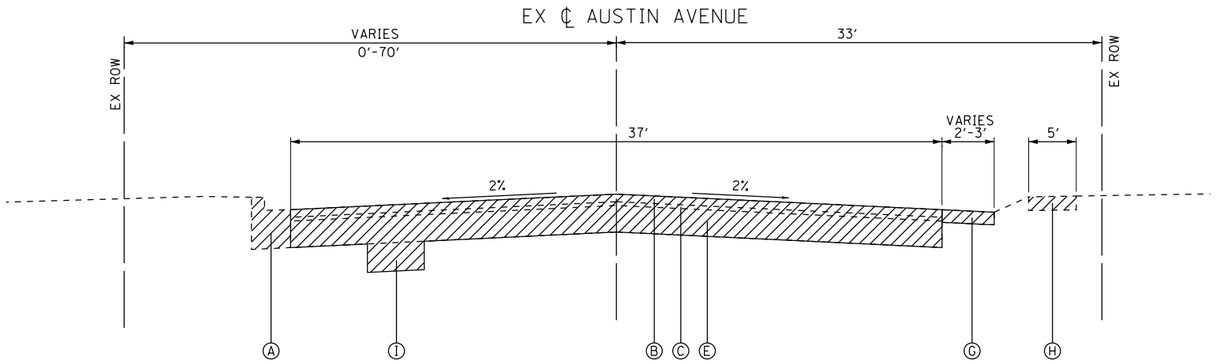
USER NAME = Roadway	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE

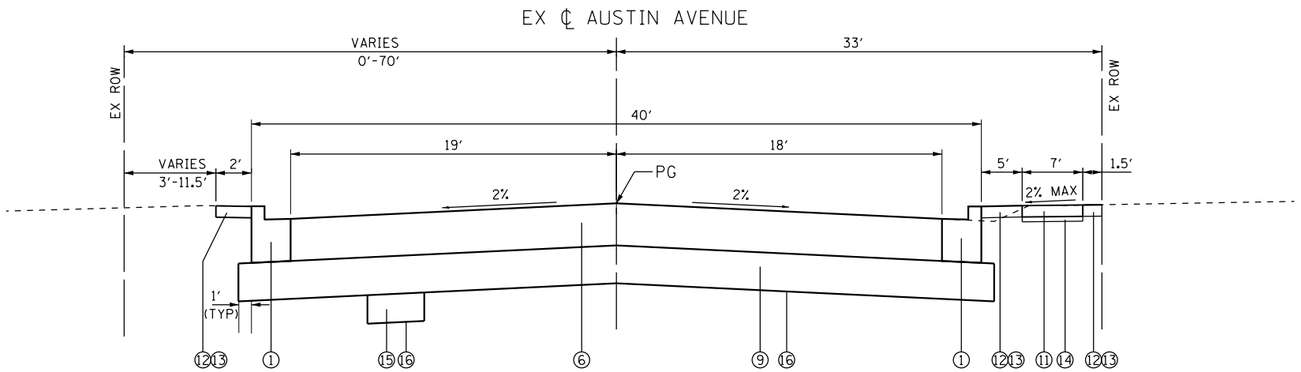
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	11
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING TYPICAL SECTION

STA 97+15.00 TO STA 99+40.00, AUSTIN AVENUE



PROPOSED TYPICAL SECTION

STA 97+15.00 TO STA 99+40.00, AUSTIN AVENUE

EXISTING CONDITIONS

- Ⓐ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- Ⓑ HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- Ⓒ HOT-MIX ASPHALT BINDER COURSE, 2"
- Ⓓ NOT USED
- Ⓔ HMA BASE COURSE - 7 1/2" TO 12 1/2"
- Ⓕ NOT USED
- Ⓖ AGGREGATE SHOULDER
- Ⓗ PCC SIDEWALK
- Ⓘ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (AS DIRECTED BY THE ENGINEER)
- Ⓙ NOT USED
- Ⓚ NOT USED

▨ REMOVAL

PROPOSED IMPROVEMENTS

- ① COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ② NOT USED
- ③ NOT USED
- ④ NOT USED
- ⑤ NOT USED
- ⑥ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"
- ⑦ NOT USED
- ⑧ NOT USED
- ⑨ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑩ NOT USED
- ⑪ PCC SIDEWALK, 5"
- ⑫ TOPSOIL FURNISH AND PLACE, 4"
- ⑬ SODDING, SALT TOLERANT
- ⑭ SUBBASE GRANULAR MATERIAL, TYPE B, 2"
- ⑮* AGGREGATE SUBGRADE IMPROVEMENT (AS DIRECTED BY THE ENGINEER)
- ⑯ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS	QMP
PAVEMENT RESURFACING - AUSTIN AVENUE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" (IL 9.5mm), N50, 1 1/2"	4% @ 50 GYR	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"	3.5% @ 50 GYR	LR 1030-2
PAVEMENT RESURFACING - OAKTON STREET		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5mm), 1 3/4"	4% @ 70 GYR	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"	3.5% @ 50 GYR	LR 1030-2
PAVEMENT WIDENING - AUSTIN AVENUE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 1 1/2"	4% @ 50 GYR	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"	3.5% @ 50 GYR	LR 1030-2
HMA BASE COURSE (HMA BINDER IL-19mm), 10"	4% @ 50 GYR	LR 1030-2
PAVEMENT RECONSTRUCTION - AUSTIN AVENUE (HMA PAVEMENT FULL DEPTH 12")		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"	4% @ 50 GYR	LR 1030-2
HMA BASE COURSE (HMA BINDER IL-19mm), 10"	4% @ 50 GYR	LR 1030-2
DRIVEWAYS		
HMA BASE COURSE (HMA BINDER IL-19.0mm), CE-8"	4% @ 50 GYR	LR 1030-2
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"	4% @ 50 GYR	LR 1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0mm)	4% @ 70 GYR	LR 1030-2
QMP DESIGNATION: LOCAL QUALITY ASSURANCE / QUALITY MANAGEMENT QC/QA PER LR 1030-2		

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES QUANTITIES 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 RECLAIMED MATERIAL SPECIFICATIONS

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PLOT SCALE = 8.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS | SHEET NO. 01 OF 03 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	12
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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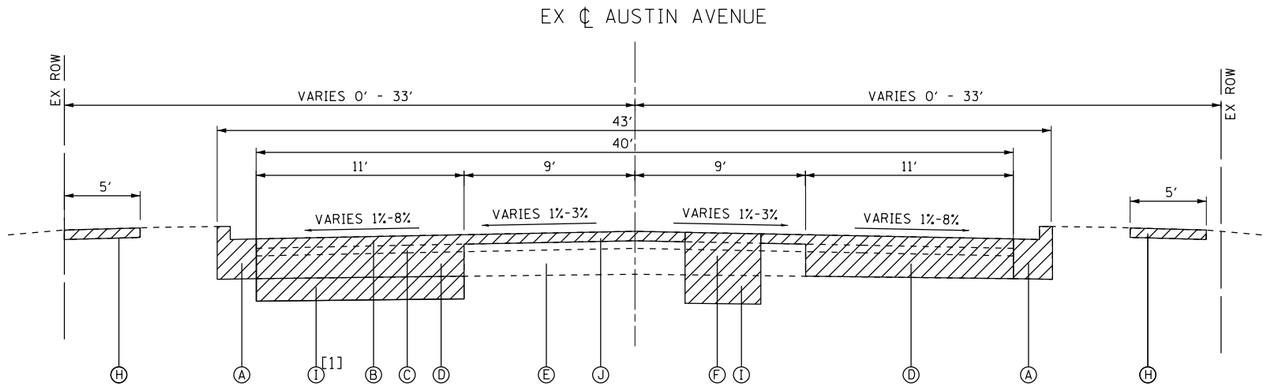


EXISTING TYPICAL SECTION

STA 100+63.55 TO STA 126+90.00, AUSTIN AVENUE

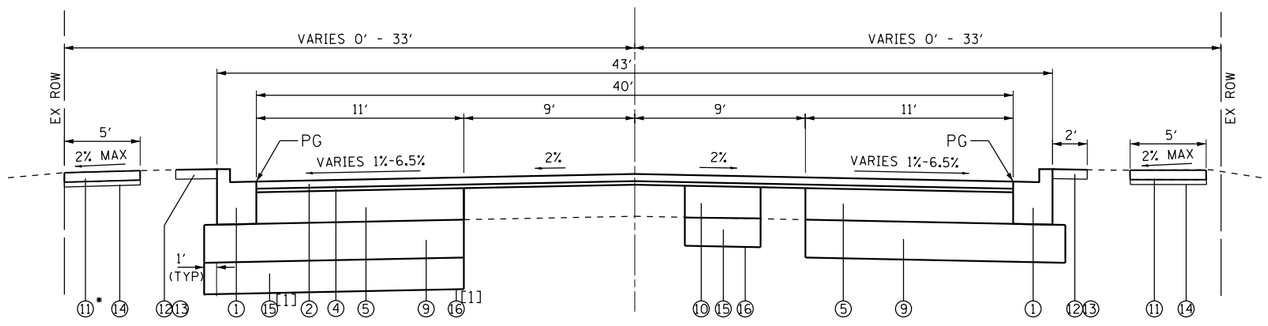
* AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER

[1]STA 120+00 TO STA 126+90 AND ADDITIONAL AREAS AS DIRECTED BY ENGINEER

EXISTING CONDITIONS

- (A) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (B) HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- (C) HOT-MIX ASPHALT BINDER COURSE, 2"
- (D) POZZOLONIC BASE - 11 3/4" TO 12"
- (E) HMA BASE COURSE - 7 1/2" TO 12 1/2"
- (F) CLASS D PATCHES, 10" (AS DIRECTED BY THE ENGINEER)
- (G) NOT USED
- (H) PCC SIDEWALK
- (I) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (AS DIRECTED BY THE ENGINEER)
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (K) NOT USED

REMOVAL



PROPOSED TYPICAL SECTION

STA 100+63.55 TO STA 126+90.00, AUSTIN AVENUE

* AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER

[1]STA 120+00 TO STA 126+90 AND ADDITIONAL AREAS AS DIRECTED BY ENGINEER

PROPOSED IMPROVEMENTS

1. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
2. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
3. NOT USED
4. POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"
5. HOT-MIX ASPHALT BASE COURSE, 10"
6. NOT USED
7. NOT USED
8. NOT USED
9. AGGREGATE SUBGRADE IMPROVEMENT, 12"
10. CLASS D PATCHES, 10" (AS DIRECTED BY THE ENGINEER)
11. PCC SIDEWALK, 5"
12. TOPSOIL FURNISH AND PLACE, 4"
13. SODDING, SALT TOLERANT
14. SUBBASE GRANULAR MATERIAL, TYPE B, 2"
15. AGGREGATE SUBGRADE IMPROVEMENT (AS DIRECTED BY THE ENGINEER)
16. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 8.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS | SHEET NO. 02 OF 03 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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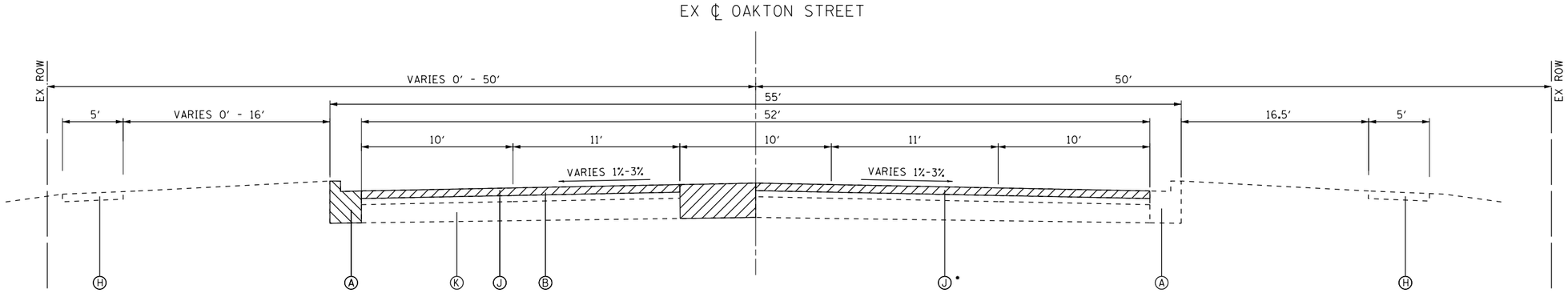
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



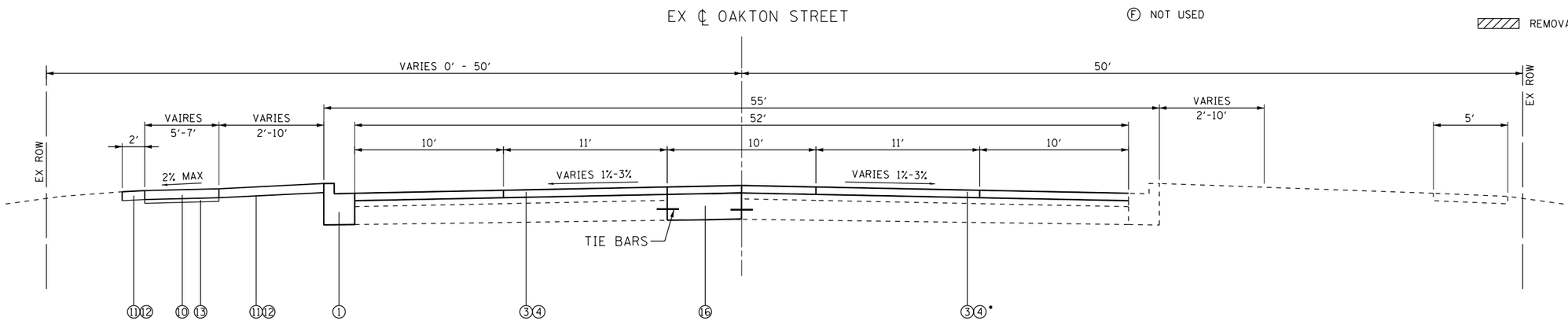
EXISTING TYPICAL SECTION

STA 40+82.21 TO STA 49+29.21, OAKTON STREET

• FULL WIDTH SURFACE REMOVAL STA 49+29.78 TO STA 50+91.33

EXISTING CONDITIONS

- (A) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (B) HOT-MIX ASPHALT SURFACE COURSE, 4''
- (C) NOT USED
- (D) NOT USED
- (E) NOT USED
- (F) NOT USED
- (G) NOT USED
- (H) PCC SIDEWALK
- (I) NOT USED
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2''
- (K) PCC BASE COURSE - 9''
- REMOVAL



PROPOSED TYPICAL SECTION

STA 40+82.21 TO STA 49+29.21, OAKTON STREET

• FULL WIDTH SURFACE AND BINCER COURSE STA 49+29.78 TO STA 50+91.33

PROPOSED IMPROVEMENTS

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (2) NOT USED
- (3) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4''
- (4) POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4''
- (5) NOT USED
- (6) NOT USED
- (7) NOT USED
- (8) NOT USED
- (9) NOT USED
- (10) PCC SIDEWALK, 5''
- (11) TOPSOIL FURNISH AND PLACE, 4''
- (12) SODDING, SALT TOLERANT
- (13) SUBBASE GRANULAR MATERIAL, TYPE B, 2''
- (14) NOT USED
- (15) NOT USED
- (16) PORTAND CEMENT CONCRETE BASE COURSE 9''

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLY HMA BINDER COURSE IL-4.75 N50

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	DRAWN - AMH	REVISED -
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PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

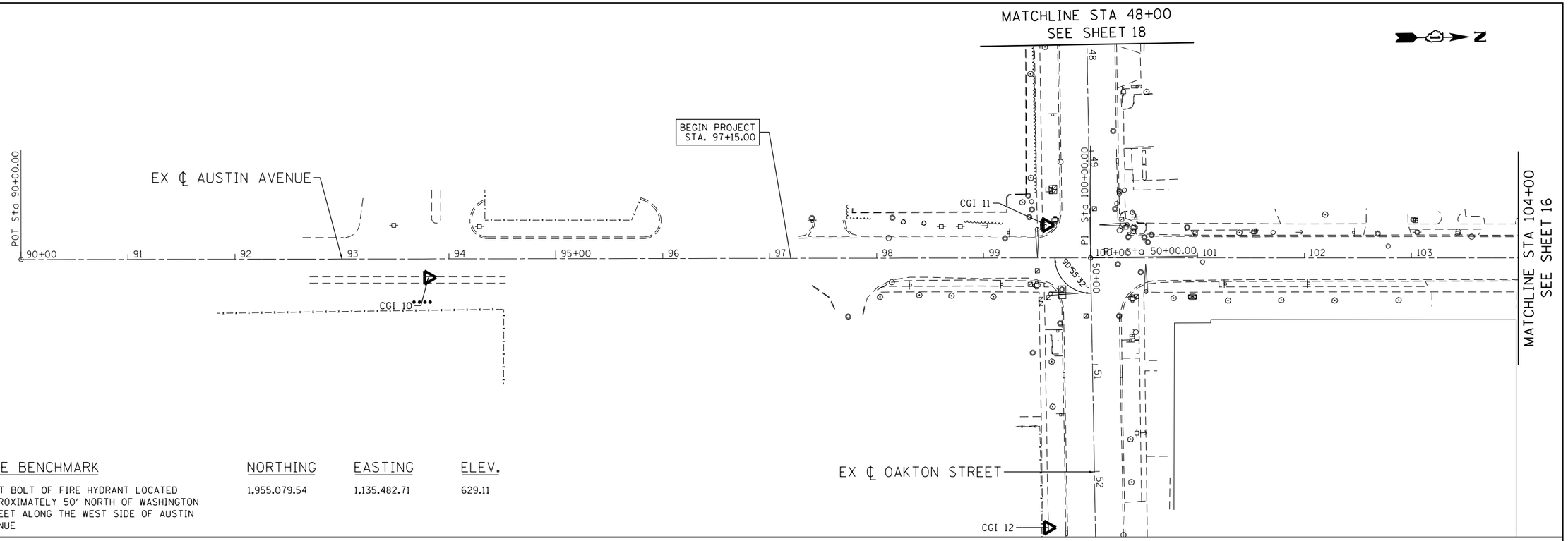
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

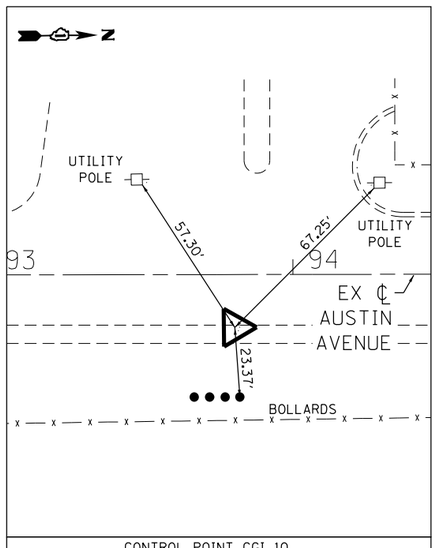
SCALE: NTS | SHEET NO. 03 OF 03 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	14
		CONTRACT NO. 61D77		

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

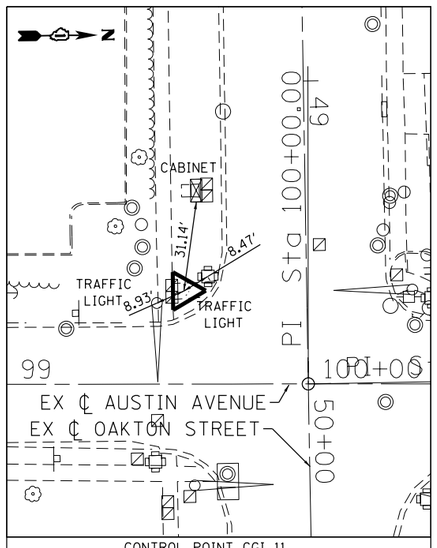


AUSTIN AVENUE BENCHMARK		NORTHING	EASTING	ELEV.
BM "A"	WEST BOLT OF FIRE HYDRANT LOCATED APPROXIMATELY 50' NORTH OF WASHINGTON STREET ALONG THE WEST SIDE OF AUSTIN AVENUE	1,955,079.54	1,135,482.71	629.11



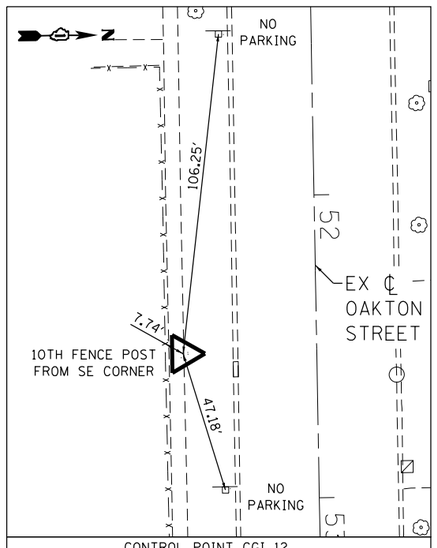
CONTROL POINT CGI 10
CHSLD "X" ON SW CORNER OF INLET ON THE EAST SIDE OF AUSTIN AVENUE SOUTH OF OAKTON STREET

N: 1,952,094.22 STA: 93+80.66
E: 1,135,488.00 O/S: 17.17 RT
ELEV: 624.78



CONTROL POINT CGI 11
BRASS DISK LOCATED IN SIDEWALK AT THE SW CORNER OF AUSTIN AVENUE AT OAKTON STREET

N: 1,952,672.88 STA: 99+58.83
E: 1,135,445.94 O/S: 31.03 LT
ELEV: 625.09



CONTROL POINT CGI 12
CHSLD "X" IN CONC SIDEWALK ON THE EAST SIDE OF OAKTON STREET EAST OF AUSTIN AVENUE

N: 1,952,670.83 STA: 52+51.39
E: 1,135,729.02 O/S: 44.18 RT
ELEV: 625.02

AUSTIN AVENUE COORDINATES TABLE

DESCRIPTION	STATION	NORTHING	EASTING
POT STATION	90+00.00	1,951,713.76	1,135,466.79
POT STATION	100+00.00	1,952,713.71	1,135,477.40
POT STATION	137+92.75	1,956,506.18	1,135,523.84

OAKTON STREET COORDINATES TABLE

DESCRIPTION	STATION	NORTHING	EASTING
POT STATION	5+50.00	1,952,690.76	1,131,027.46
POT STATION	60+00.00	1,952,718.87	1,136,477.39

NOTES:

1. ALL COORDINATES SHOWN ON THE ALIGNMENT AND CONTROL SHEET ARE BASED UPON THE NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) ILLINOIS EAST ZONE AND (NAVD 88) - NORTH AMERICAN VERTICAL DATUM 1988 (GEOID 12A ADJUSTMENT).
2. ALL DIMENSIONS GIVEN IN FEET AND DECIMAL PARTS THEROF.
3. ALL COORDINATE VALUES ARE IN THE US SURVEY FOOT UNITS.
4. NO DIMENSION SHALL BE DERIVED FROM SCALED MEASUREMENT.

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USER NAME = Roadway	DESIGNED - EPS	REVISED -	
	DRAWN - AMH	REVISED -	
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PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: | SHEET NO. 01 OF 04 SHEETS | STA. 90+00 | TO STA. 104+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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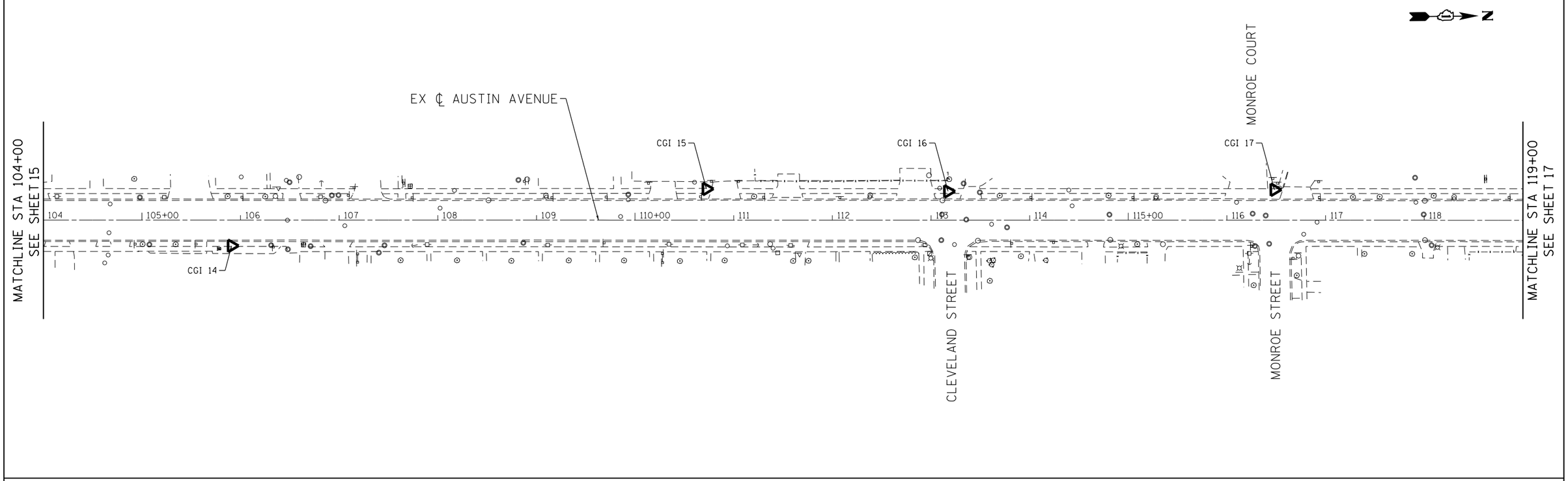
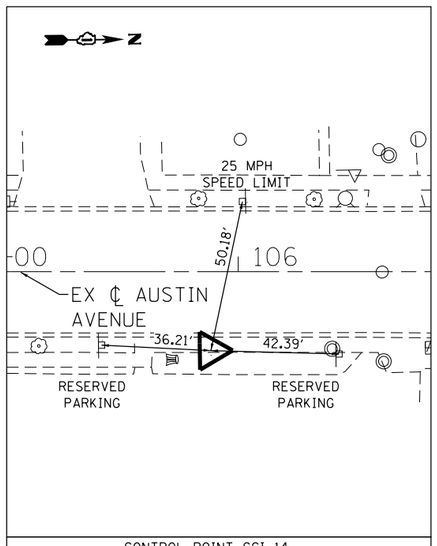
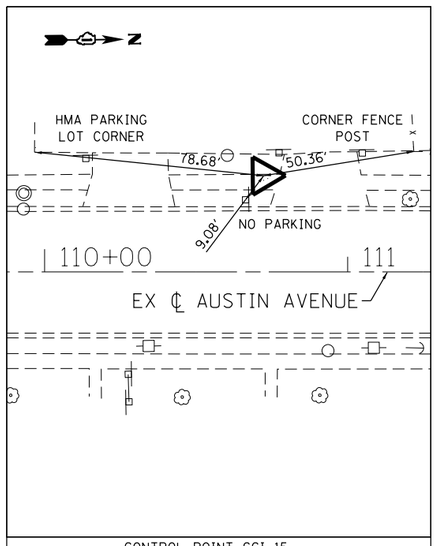
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





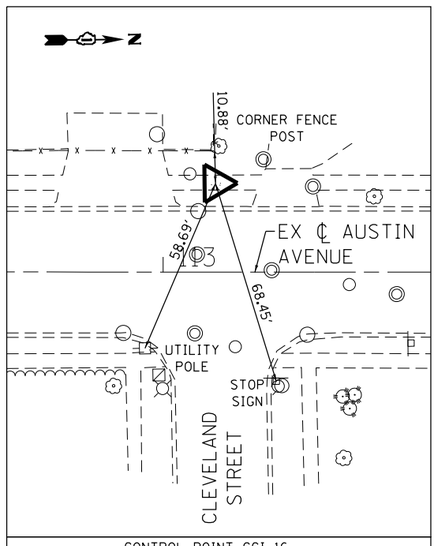
CONTROL POINT CGI 14
CHSLD "X" LOCATED IN CONC SIDEWALK EAST OF AUSTIN AVENUE NEXT TO JOSEPH KOEING SR TRAINING CENTER

N: 1,953,304.18 STA: 105+90.83
E: 1,135,510.50 O/S: 25.86 RT
ELEV: 626.52



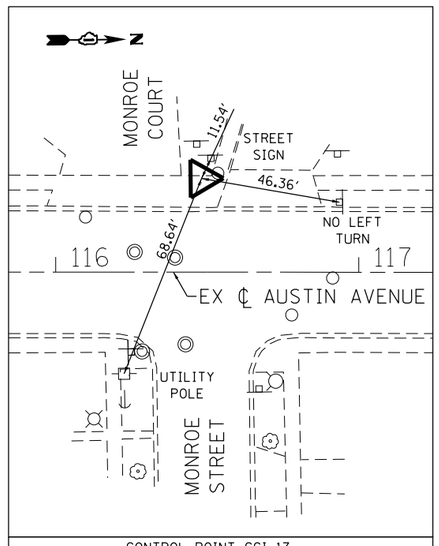
CONTROL POINT CGI 15
CHSLD "X" IN CONC SIDEWALK ON THE WEST SIDE OF AUSTIN AVENUE ADJACENT TO PARKING LOT

N: 1,953,786.20 STA: 110+72.19
E: 1,135,458.69 O/S: 31.84 LT
ELEV: 626.08



CONTROL POINT CGI 16
CHSLD "X" IN CONC SIDEWALK ON THE WEST SIDE OF AUSTIN AVENUE ACROSS FROM CLEVELAND AVENUE

N: 1,954,031.07 STA: 113+17.10
E: 1,135,464.20 O/S: 29.33 LT
ELEV: 625.82



CONTROL POINT CGI 17
CHSLD "X" IN CONC SIDEWALK ON THE WEST SIDE OF AUSTIN AVENUE ACROSS FROM MONROE STREET

N: 1,954,361.97 STA: 116+48.00
E: 1,135,466.61 O/S: 30.97 LT
ELEV: 625.83

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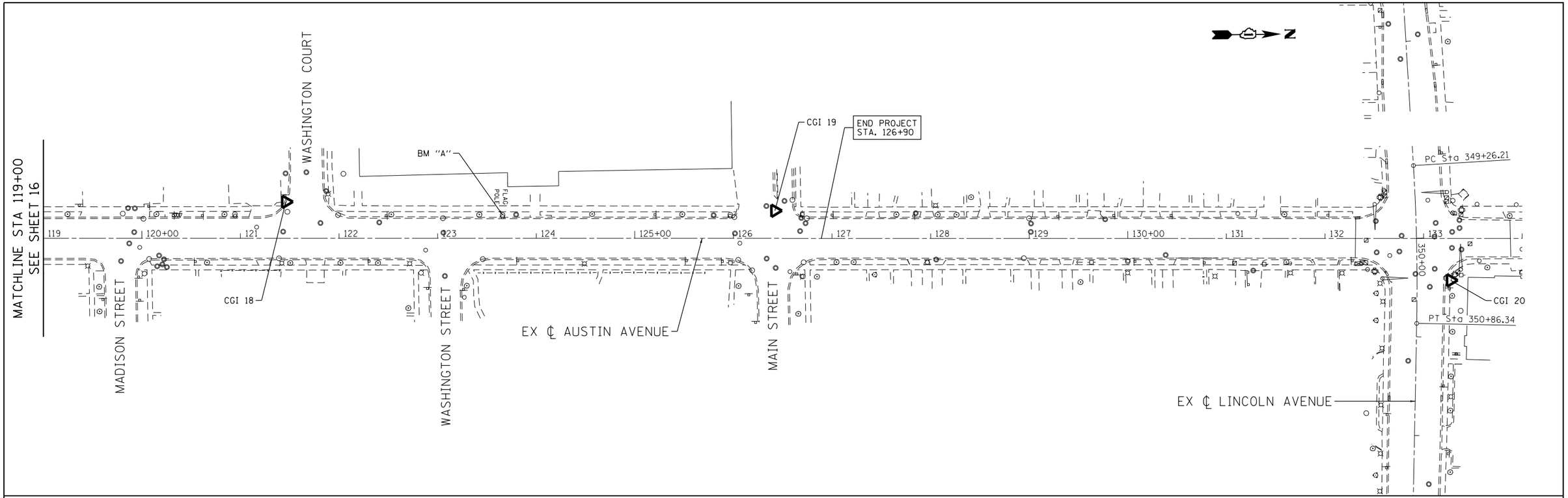
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

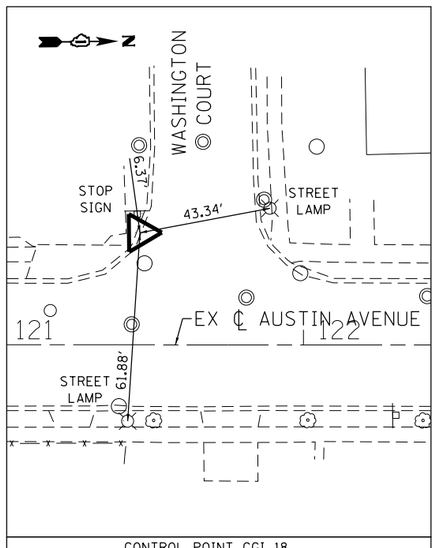
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: | SHEET NO. 02 OF 04 SHEETS | STA. 104+00 | TO STA. 119+00

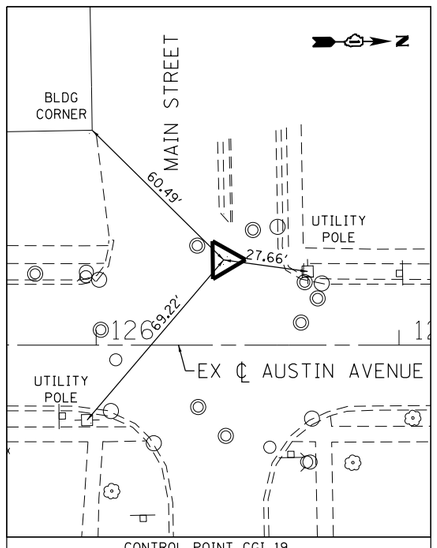
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	16
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





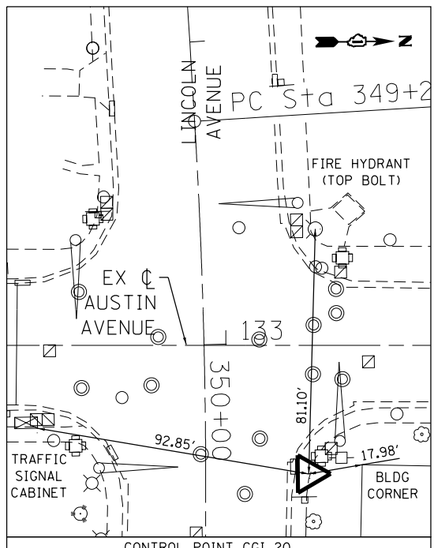
CONTROL POINT CGI 18
CHSLD "X" LOCATED IN THE SW CORNER OF WASHINGTON COURT AND AUSTIN AVENUE IN CONC CURB AND GUTTER

N: 1,954,859.90 STA: 121+45.90
E: 1,135,466.77 O/S: 36.91 LT
ELEV: 626.71



CONTROL POINT CGI 19
PK NAIL IN HMA PVMT AT THE INTERSECTION OF MAIN STREET AND AUSTIN AVENUE ON THE WEST LEG

N: 1,955,355.83 STA: 126+41.98
E: 1,135,481.80 O/S: 27.95 LT
ELEV: 627.25



CONTROL POINT CGI 20
CHSLD "X" IN CONC SIDEWALK AT NE CORNER OF AUSTIN AVENUE AND LINCOLN AVENUE

N: 1,956,040.15 STA: 133+27.22
E: 1,135,560.80 O/S: 42.67 RT
ELEV: 629.19

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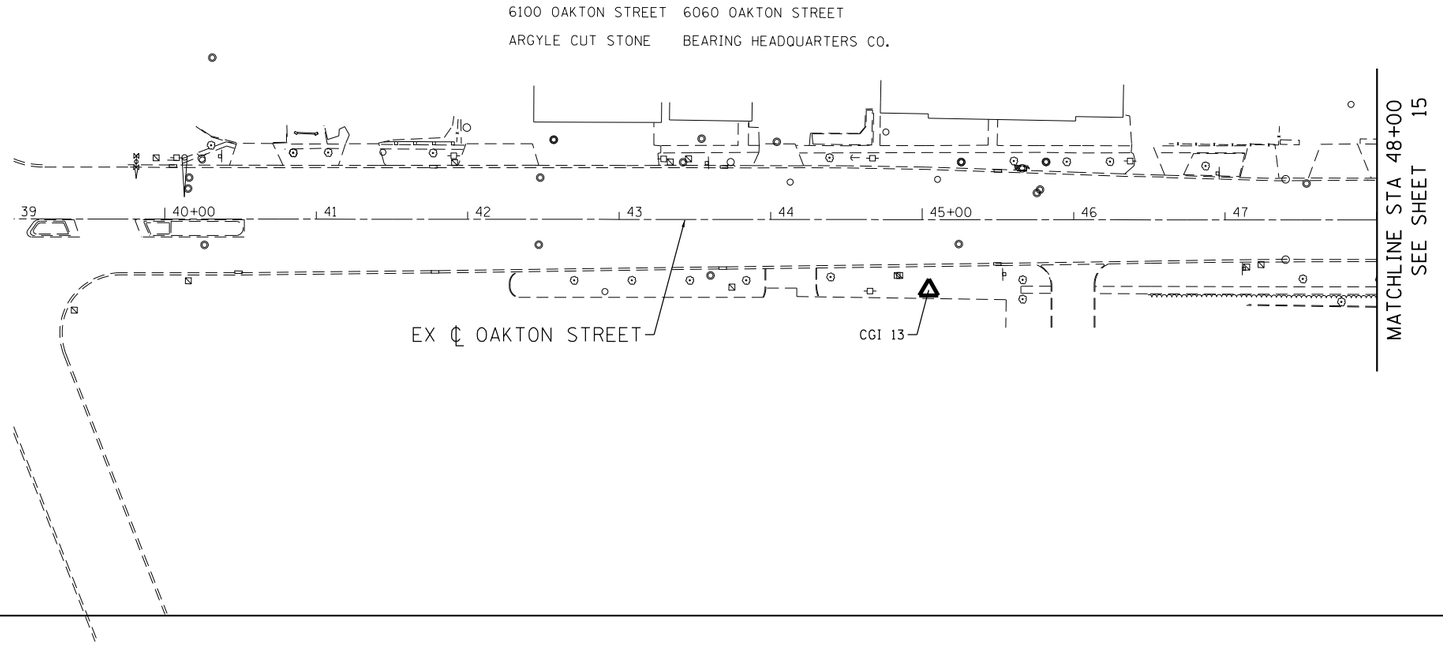
	DRAWN - AMH	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

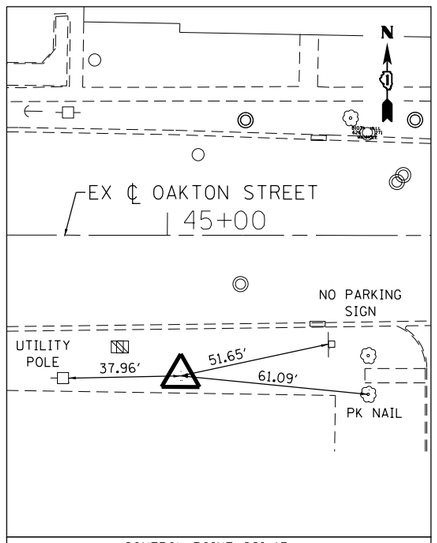
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: | SHEET NO. 03 OF 04 SHEETS | STA. 119+00 | TO STA. 134+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	17
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





CONTROL POINT CGI 13
IRON PIPE WITH YELLOW CAP IN PARKWAY SOUTH OF
OAKTON STREET AND WEST OF AUSTIN AVENUE

N: 1,952,664.97
E: 1,134,981.74
ELEV: 625.89

STA: 45+04.09
O/S: 46.18 RT

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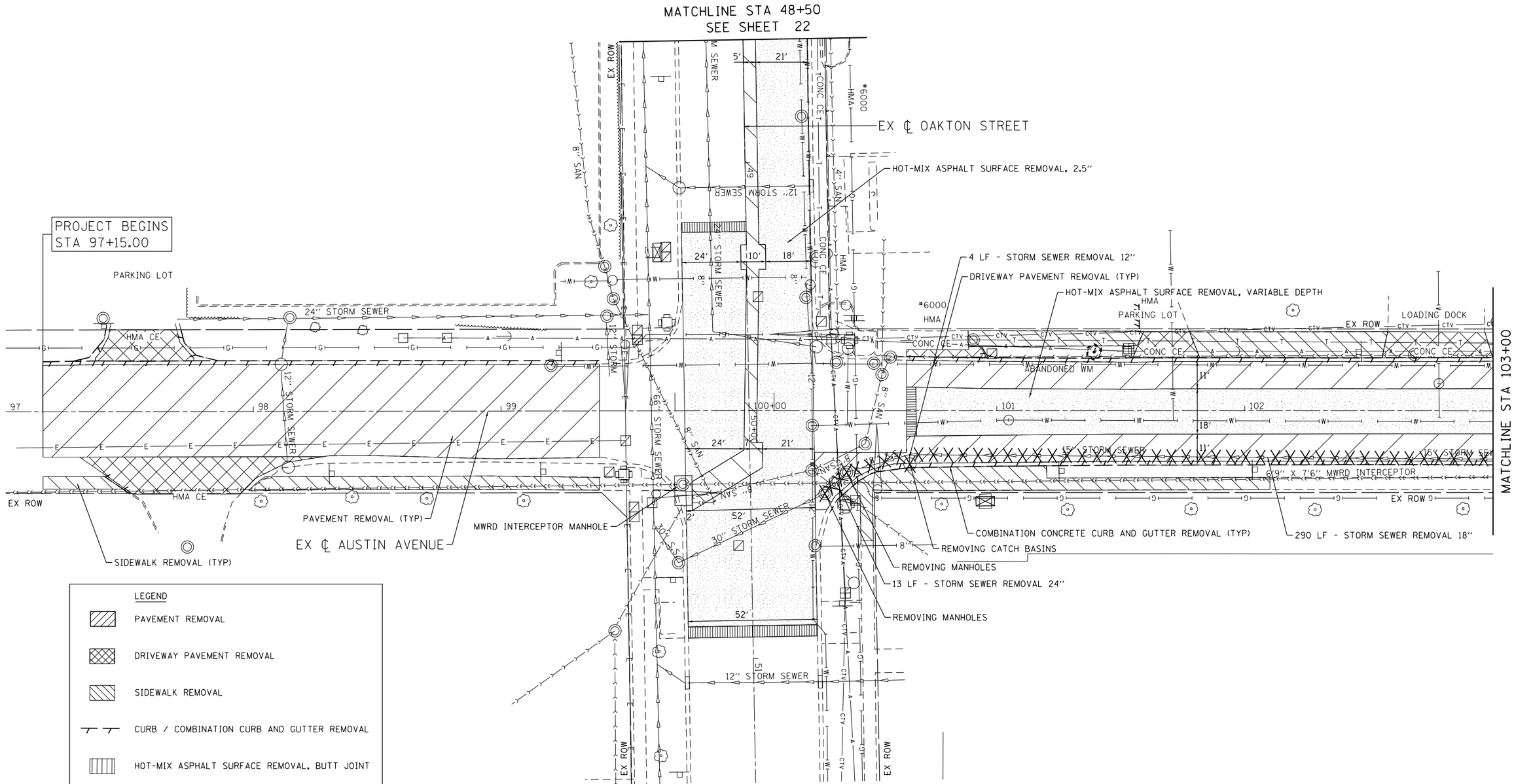
	DRAWN - AMH	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: | SHEET NO. 04 OF 04 SHEETS | STA. 39+00 | TO STA. 48+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	18
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- CURB / COMBINATION CURB AND GUTTER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" - VARIABLE DEPTH (AUSTIN)
- TREE PROTECTION

0 20' 40'

GRAPHIC SCALE

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PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS & REMOVAL PLANS

SCALE: 1" = 20' | SHEET NO. 1 OF 4 SHEETS | STA. 97+15 | TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	19
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA 103+00
SEE SHEET 19

MATCHLINE STA 109+00

15 LF - WATER MAIN REMOVAL 6"

COMBINATION CONCRETE CURB AND GUTTER REMOVAL (TYP)

40 LF - STORM SEWER REMOVAL 12"

22 LF - WATER MAIN REMOVAL 6"

22 LF - WATER MAIN REMOVAL 12"

15 LF - WATER MAIN REMOVAL 6"

PAVEMENT REMOVAL (TYP)

HOT-MIX ASPHALT SURFACE COURSE REMOVAL, VARIABLE DEPTH

EX ℄ AUSTIN AVENUE

#8050

#8100

#8200

HMA PARKING LOT

PARKING LOT

LOADING DOCK

EX ROW

CONC CE

ABANDONED WM

12" STORM SEWER

15" STORM SEWER

6'9" X 7'6" MWRD INTERCEPTOR

187 LF - STORM SEWER REMOVAL 15"

REMOVING MANHOLES

REMOVING CATCH BASINS

#8101-8149

312 LF - STORM SEWER REMOVAL 15"

217 LF - WATER MAIN REMOVAL 12"

LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- TREE PROTECTION
- CURB / COMBINATION CURB AND GUTTER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" - VARIABLE DEPTH (AUSTIN)

MATCHLINE STA 109+00

MATCHLINE STA 115+00
SEE SHEET 21

#8210

24" STORM SEWER

CLEVELAND STREET

0 20' 40'

GRAPHIC SCALE

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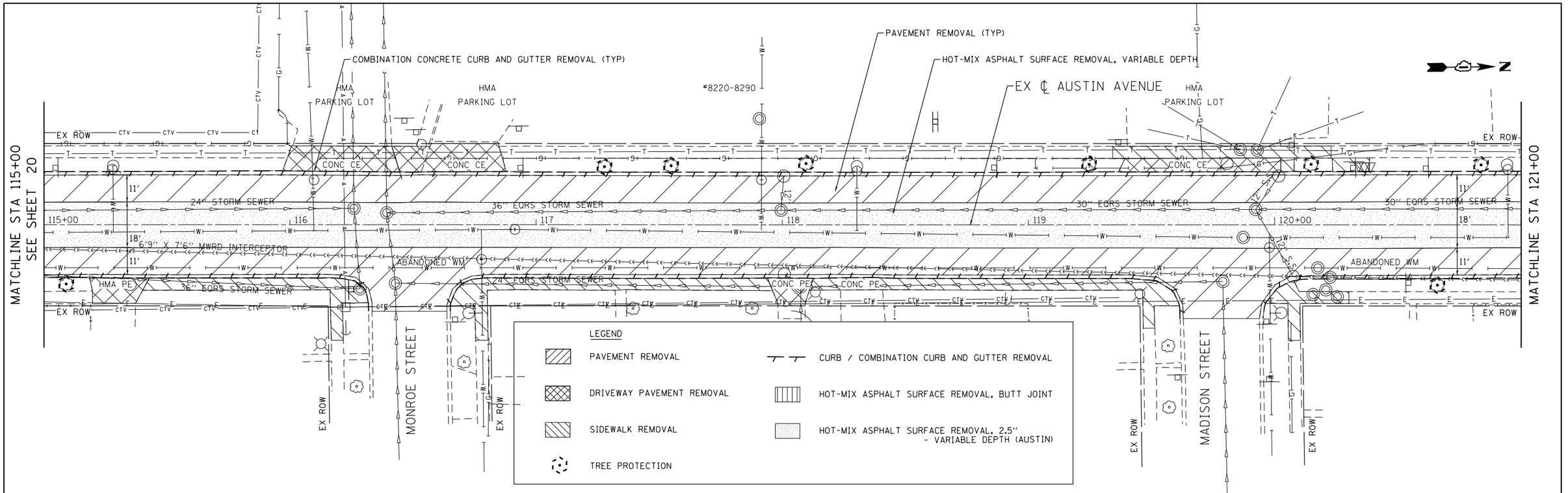
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS & REMOVAL PLANS

SCALE: 1" = 20' | SHEET NO. 2 OF 4 SHEETS | STA. 103+00 TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	20
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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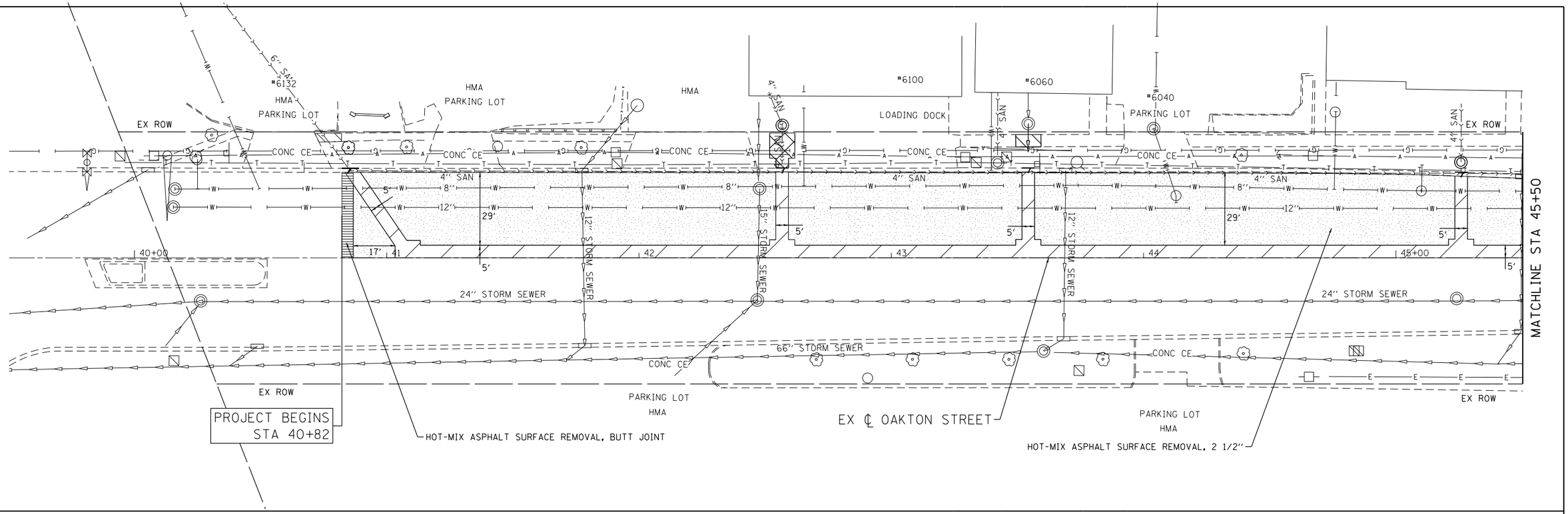
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

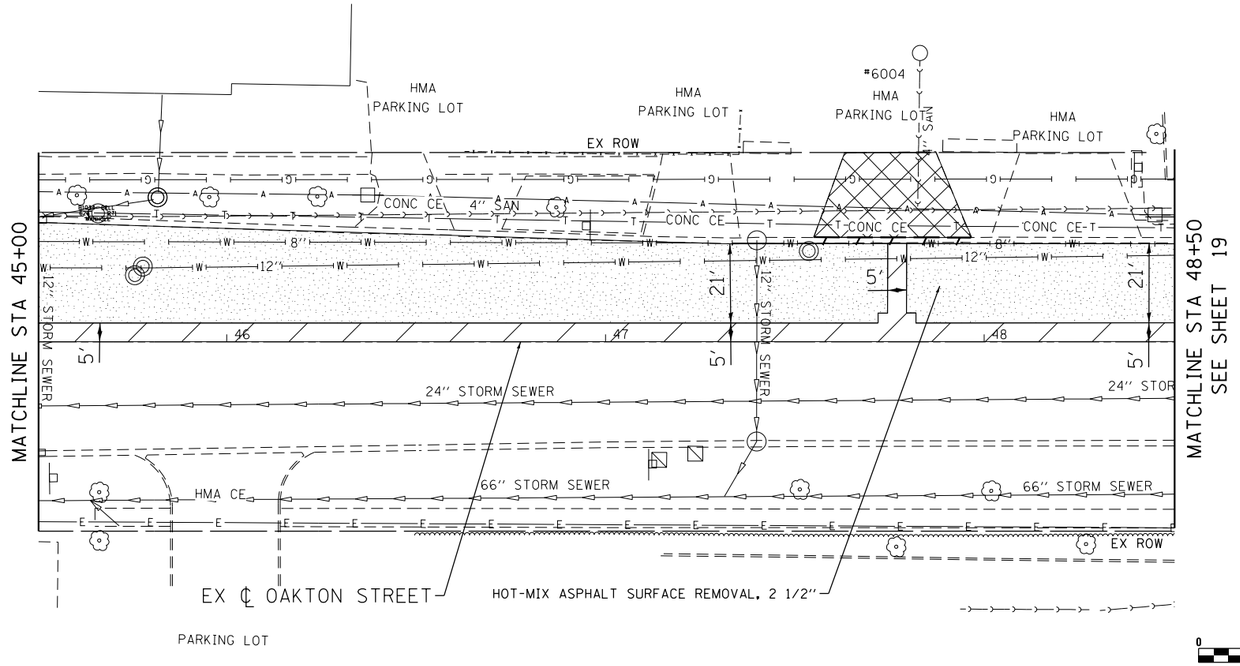
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS & REMOVAL PLANS

SCALE: 1" = 20' | SHEET NO. 3 OF 4 SHEETS | STA. 115+00 TO STA. 127+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	21
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- CURB / COMBINATION CURB AND GUTTER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" - VARIABLE DEPTH (AUSTIN)
- TREE PROTECTION
- REMOVING CATCH BASINS

0 20' 40'
GRAPHIC SCALE

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS & REMOVAL PLANS

SCALE: 1" = 20' | SHEET NO. 4 OF 4 SHEETS | STA. 40+82 | TO STA. 48+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	22
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA 48+85
SEE SHEET 28

PROJECT BEGINS
STA 97+15.00

HMA BASE COURSE, 8"
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"

HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

PARKING LOT

+41.14 33.0 LT
+55.7 CE
+70.14 33.0 LT
26'
13.5'R
HMA CE
13.5'R
+27.65 20.5 LT
+83.64 20.5 LT

ROADWAY RECONSTRUCTION STA 99+40

97 98 99 100+00 50+00

+21.88 19.5 RT
+53.35 33.3 RT
+94.93 33.3 RT
+26.40 19.5 RT
42'
7'
5'
EX ROW 38.5'R
HMA CE
+74.7 CE
38.5'R

EX ℄ AUSTIN AVENUE

PCC SIDEWALK, 5" (TYP)

HMA BASE COURSE, 8"
HOT-MIX ASPHALT SURFACE COURCE, MIX "D", N50, 2"

STA 100+00 (AUSTIN AVENUE) =
STA 50+00 (OAKTON STREET)

ROADWAY RESURFACING STA 50+91

26' 49
+00.00 70.8 LT
26' 26'
CONC CE
HMA

EX ℄ OAKTON STREET

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"

PCC DRIVEWAY PAVEMENT, 8"
COMBINATION CONCRETE
CURB AND GUTTER, TYPE B-6.12 (TYP)
PCC SIDEWALK, 5"
PCC DRIVEWAY PAVEMENT, 8"

+6000
HMA
+88.8 CE
CONC CE
PARKING
+68.4 CE
LOADING DOCK
+77.5 CE
EX ROW
5'
23'
42'
36'
+63.55 -9.0' LT
PCC DRIVEWAY PAVEMENT, 8"
11'
+63.55 9.0' RT
101 102
18'
11'
3'
23'
11'
5'
PCC SIDEWALK, 5"
EX ROW

DETECTABLE WARNINGS (TYP)

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"
HOT-MIX ASPHALT BASE COURSE, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"
PORTLAND CEMENT CONCRETE BASE COURSE, 9"

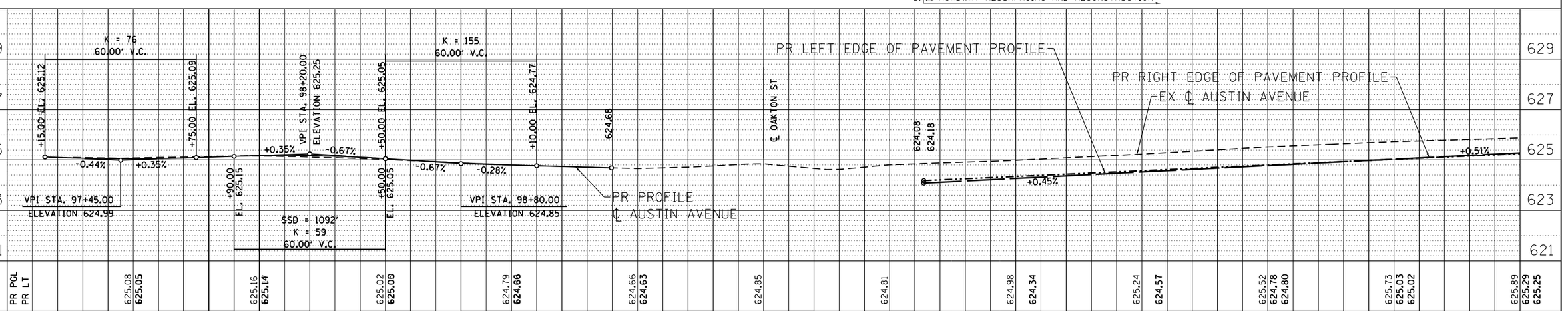
52'
15'

MATCHLINE STA 103+00
SEE SHEET 24

N

0 20' 40'
GRAPHIC SCALE

STA 100+64
ROADWAY RESURFACING AND RECONSTRUCTION



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

PROFILE
SURVEYED
PLOTTED
DESIGN CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.

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USER NAME = Roadway	DESIGNED - EPS	REVISED -	
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PLOT DATE = 1/4/2024	DATE - DEC 2023	REVISED -	

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DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 1 OF 7 SHEETS | STA. 97+15 | TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	23
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"
HOT-MIX ASPHALT BASE COURSE, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

PCC DRIVEWAY PAVEMENT, 8" (TYP)

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (TYP)

EX ℄ AUSTIN AVENUE

MATCHLINE STA 103+00
SEE SHEET 23

MATCHLINE STA 109+00
SEE SHEET 25

*8050 EX ROW

PARK +65.1 CE LOT 39' CONC CE

PARKIN LOT +49.0 CE DADING DOCK 43' CONC CE

*8100 HMA PARKIN +51.6 CE CO 17' CE

HMA PARKING LOT +29.1 CE 27' CONC CE

*8200 EX ROW

11' 18' 11'

103 104 105+00 106 107 108

CONC CE 85' EX ROW LOADI +57.9 CE OCK

25' CONC CE 18' CONC CE P +40.9 CE NG LOT HMA PAR +78.4 CE LOT HMA

PCC SIDEWALK, 5"
*8035

16' CONC CE 25' CONC CE PARKING HMA +54.5 CE PARK +98.0 CE LOT HMA

EX ROW

*8101-8149

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"
HOT-MIX ASPHALT BASE COURSE, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

0 20' 40'
GRAPHIC SCALE

PROFILE LEFT EOP

EX ℄ AUSTIN AVENUE

+75.00 EL. 626.50

+0.45% -0.35%

-0.35% +0.41%

+50.00 EL. 625.54

PR LEFT EDGE OF PAVEMENT PROFILE

EX PROF PR LT	626.12 625.48	626.38 625.71	626.60 625.93	626.76 626.16	626.84 626.39	626.92 626.41	626.81 626.24	626.60 626.06	626.55 625.89	626.40 625.71	626.25 625.54	626.30 625.74

627 625 623 621

103+50 104+00 104+50 105+00 105+50 106+00 106+50 107+00 107+50 108+00 108+50 109+00

PROFILE RIGHT EOP

EX ℄ AUSTIN AVENUE

+50.00 EL. 626.56

+0.51% -0.35%

-0.35% +0.35%

+50.00 EL. 625.51

PR RIGHT EDGE OF PAVEMENT PROFILE

EX PROF PR RT	626.12 625.54	626.38 625.80	626.60 626.05	626.76 626.31	626.84 626.56	626.92 626.38	626.81 626.21	626.60 626.03	626.55 625.86	626.40 625.68	626.25 625.51	626.30 625.69

627 625 623 621

103+50 104+00 104+50 105+00 105+50 106+00 106+50 107+00 107+50 108+00 108+50 109+00

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, PROFILE CHECKED, BM. NOTED, STRUCTURE NO'S CHKD, NOTE BOOK, NO., BY, DATE

FILE NAME = N:\PROJ\0020458.00\0020458.01\Design\Proposed Plan\0020458.01-plnpr02.dgn

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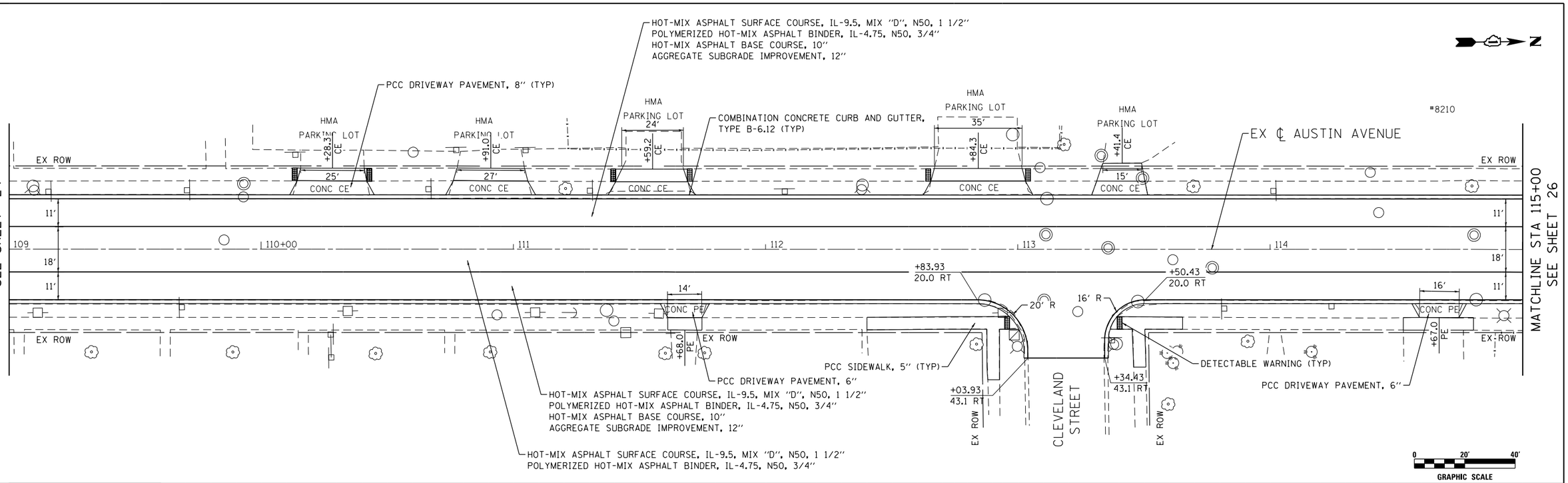
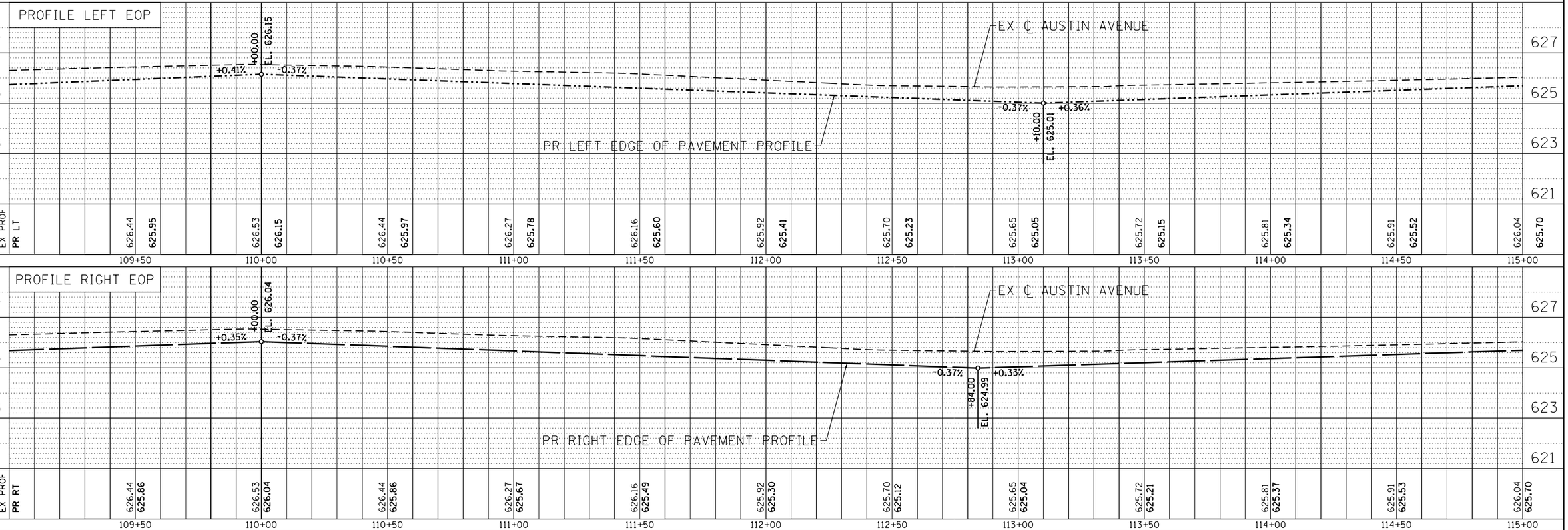
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AUSTIN AVENUE IMPROVEMENTS
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 2 OF 7 SHEETS | STA. 103+00 | TO STA. 109+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	24
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





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NOTE BOOK			
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	PLOTTED		
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	S.M. NOTED		
NOTE BOOK	STRUCTURE NOTATNS CHKD		
NO.			

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PLOT DATE = 12/28/2023	CHECKED - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AUSTIN AVENUE IMPROVEMENTS
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 3 OF 7 SHEETS | STA. 109+00 | TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	25
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA 115+00
SEE SHEET 25

MONROE COURT

PCC DRIVEWAY PAVEMENT, 8" (TYP)

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"
HOT-MIX ASPHALT BASE COURSE, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

HMA
41'

27' HMA
PARKING LOT

+20.9
CE

+71.1
CE

"8220-8290
COMBINATION CONCRETE CURB AND GUTTER,
TYPE B-6.12 (TYP)

℄ AUSTIN AVENUE

MADISON COURT

HMA
PARKING LOT

+71.1
CE

EX ROW

CONC CE

CONC CE

CONC CE

64'

11'

18'

115+00

116

117

118

119

120+00

+21.48
20.0 RT

+78.53
20.0 RT

+46.77
20.0 RT

+11.87
20.0 RT

12' R

15' R

16' R

18' R

+63.53
35.2 RT

+33.48
35.2 RT

HMA PE

+28.4
PE

PCC DRIVEWAY PAVEMENT, 6"

MONROE STREET

11'

17'

CONC PE

CONC PE

+03.8
PE

+32.5
PE

PCC DRIVEWAY PAVEMENT, 6"

PCC SIDEWALK, 5" (TYP)

+62.88
38.1 RT

+93.86
38.1 RT

MADISON STREET

DETECTABLE WARNING (TYP)

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"
HOT-MIX ASPHALT BASE COURSE, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"

MATCHLINE STA 121+00
SEE SHEET 27

0 20' 40'
GRAPHIC SCALE

PROFILE LEFT EOP

627
625
623
621

+0.36%
+50.00
EL. 625.88
-0.33%
-0.33%
+00.00
EL. 625.06
+0.40%

PR LEFT EDGE OF PAVEMENT PROFILE

EX PROF PR LT	626.18 625.88	626.18 625.72	626.13 625.55	626.09 625.39	626.06 625.22	625.92 625.06	625.96 625.26	626.04 625.46	626.15 625.66	626.33 625.86	626.56 626.06	626.78 626.26
	115+50	116+00	116+50	117+00	117+50	118+00	118+50	119+00	119+50	120+00	120+50	121+00

PROFILE RIGHT EOP

627
625
623
621

+0.33%
+50.00
EL. 625.86
-0.33%
-0.33%
+00.00
EL. 625.03
+0.40%
+00.00

PR RIGHT EDGE OF PAVEMENT PROFILE

EX PROF PR RT	626.18 625.86	626.18 625.70	626.13 625.53	626.09 625.37	626.06 625.20	625.92 625.03	625.96 625.24	626.04 625.43	626.15 625.63	626.33 625.84	626.56 626.03	626.78 626.24
	115+50	116+00	116+50	117+00	117+50	118+00	118+50	119+00	119+50	120+00	120+50	121+00

EX ℄ AUSTIN AVENUE

PLAN | SURVEYED | PLOTTED | ADDENDUM CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE | SURVEYED | PLOTTED | DRAWN | CHECKED | S.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

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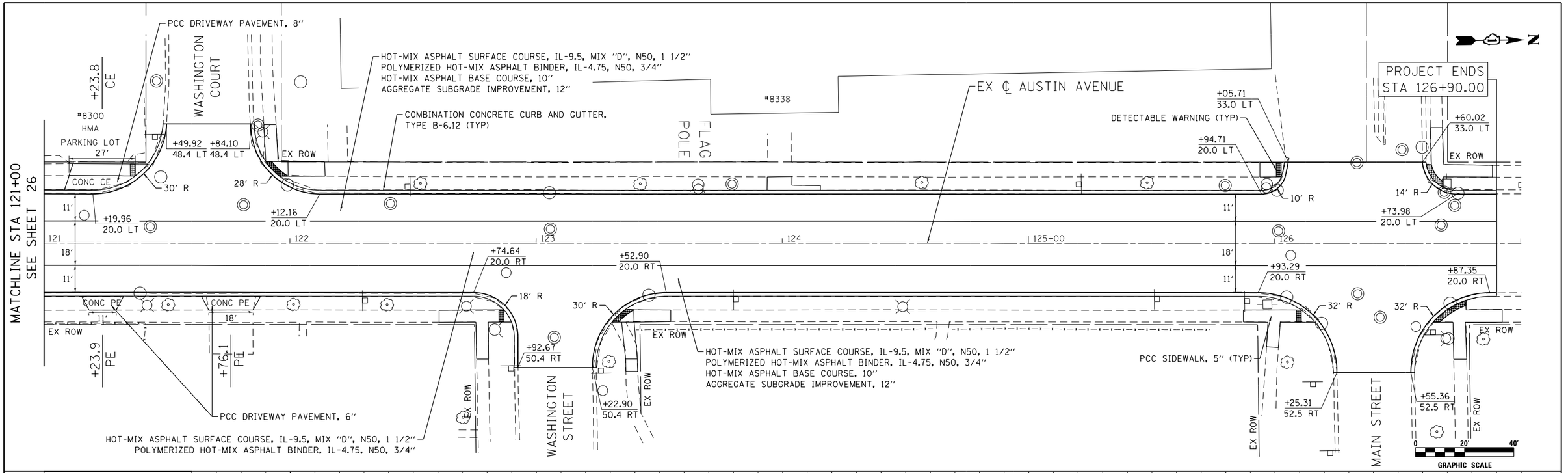
PLOT DATE = 12/28/2023	CHECKED - DEC 2023	REVISED -	

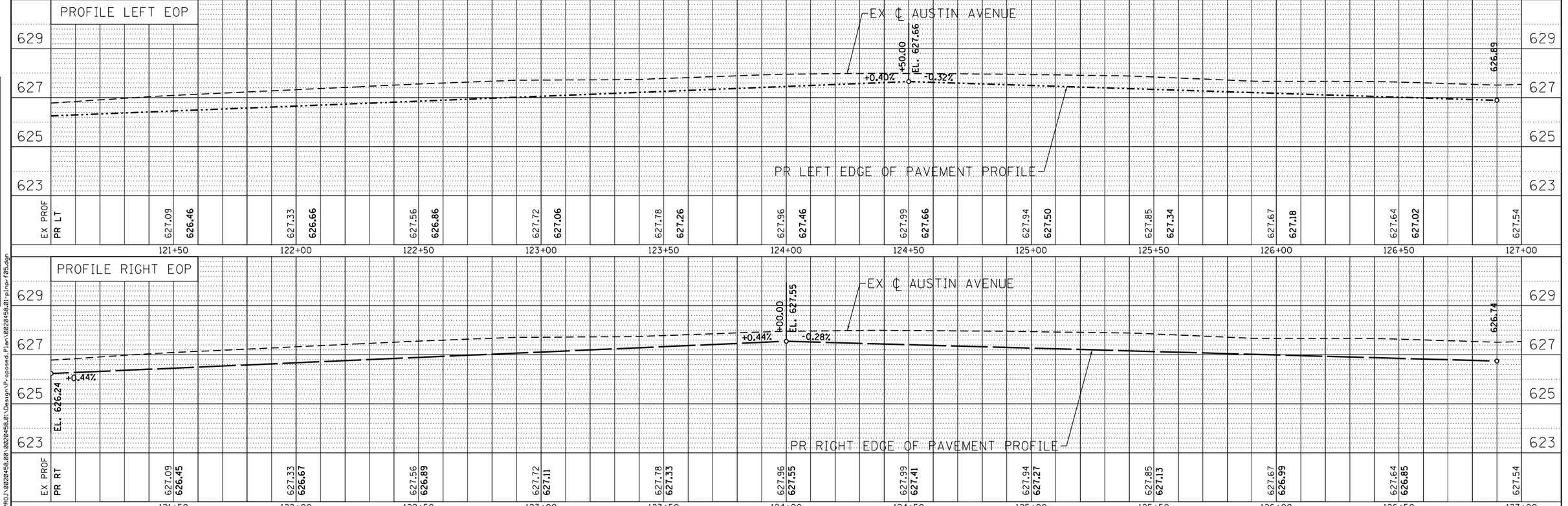
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AUSTIN AVENUE IMPROVEMENTS
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 4 OF 7 SHEETS | STA. 115+00 | TO STA. 121+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	26
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





PLAN — SURVEYED, PLOTTED, RIGHT OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO.

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PLOT DATE = 12/28/2023	CHECKED - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AUSTIN AVENUE IMPROVEMENTS
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 5 OF 7 SHEETS | STA. 121+00 | TO STA. 127+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	27
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
POLYMERIZED HOT-MIX ASPHALT BINDER, IL-4.75, N50, 3/4"

EX ℄ OAKTON STREET

#6132
HMA
PARKING LOT

HMA
PARKING LOT

HMA

#6100

#6060

#6040
PARKING LOT

LOADING DOCK

EX ROW

CONC CE

34'

34'

31'

40+00

41

42

43

44

45+00

PROJECT BEGINS
STA 40+82

MATCHLINE STA 45+50
SEE SHEET 29

N

0 20' 40'
GRAPHIC SCALE

PARKING LOT
HMA

636
634
632
630
628
626
624
622
620

EX ℄ OAKTON STREET

40+00 41+00 42+00 43+00 44+00 45+00

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

PROFILE
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BAR. NOTED
STRUCTURE NO(S)/NS CHKD
NOTE BOOK
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DATE
BY

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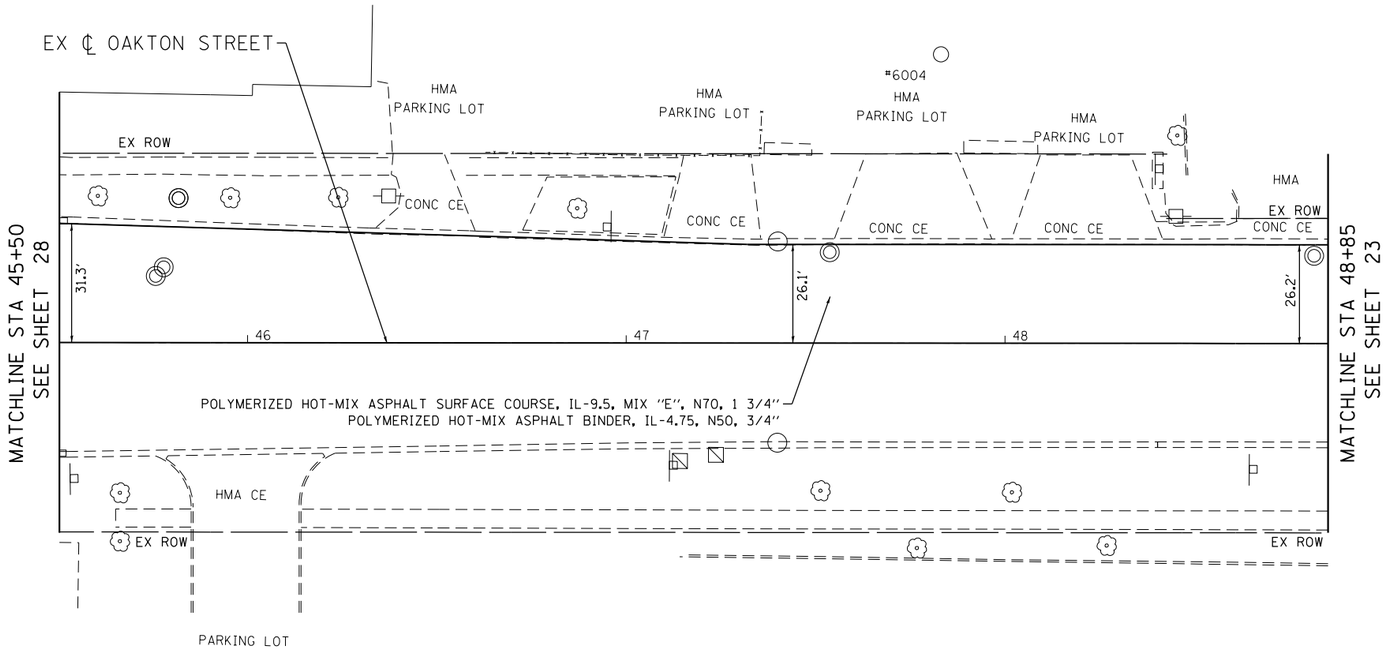
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 6 OF 7 SHEETS | STA. 40+82 | TO STA. 45+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	28
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



N

0 20' 40'
GRAPHIC SCALE

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

PROFILE
SURVEYED
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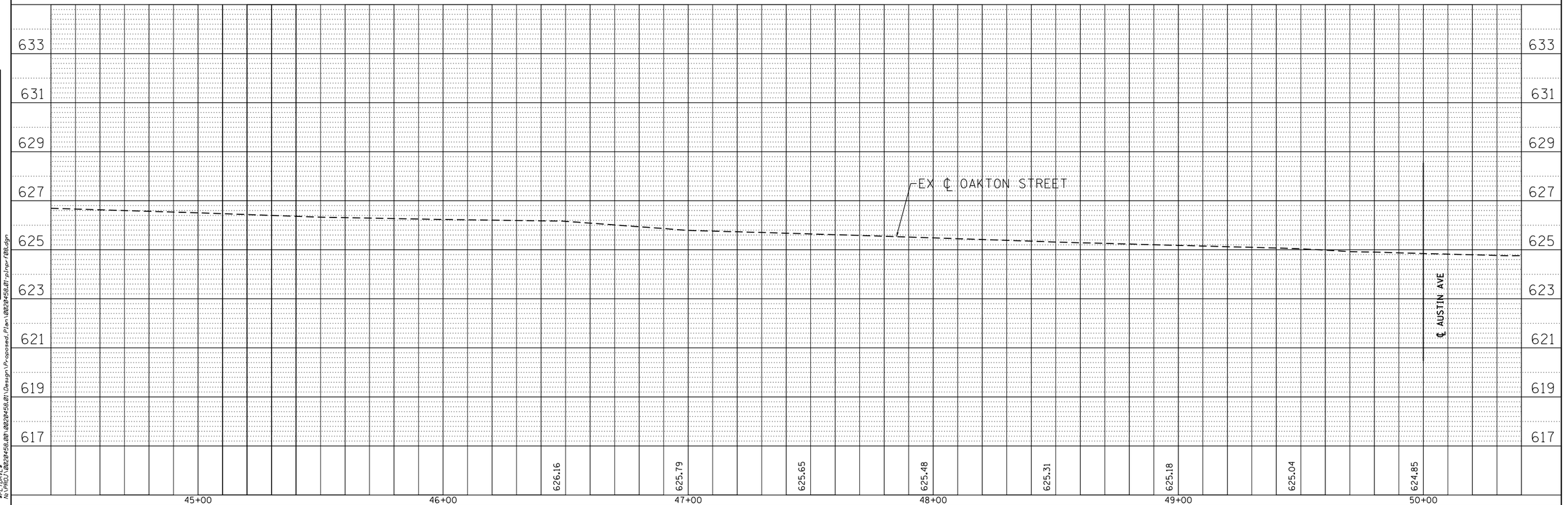
PROFILE CHECKED
BM. NOTED
STRUCTURE NO(S)/KND
NOTE BOOK
NO.
BY
DATE



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PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 7 OF 7 SHEETS | STA. 45+50 | TO STA. 48+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	29
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

STAGING AND TRAFFIC CONTROL GENERAL NOTES

1. STAGING WILL BE DONE SEQUENTIALLY AS SHOWN ON THE PLANS TO MAINTAIN TRAFFIC THROUGHOUT THE AREA.
2. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR EMERGENCY ACCESS TO STREETS THAT ARE TO BE CLOSED. COST WILL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION ITEMS OR STANDARDS.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 7 CALENDAR DAYS IN ADVANCE OF TRAFFIC CONTROL SWITCH BETWEEN STAGES. THE CONTRACTOR SHALL ALSO CONFIRM THE PLANNED STAGE CHANGE WITH THE ENGINEER 24 HOURS PRIOR.
4. PRIOR TO REMOVING TRAFFIC CONTROL AND OPENING CLOSED PAVEMENT AREAS TO TRAFFIC, THE CONTRACTOR SHALL SWEEP THE PAVEMENT SURFACE CLEAN. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
5. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL ENTRANCES THAT ARE TO REMAIN OPEN WITHIN A WORK ZONE AS REQUIRED PER THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.
6. THE CONTRACTOR SHALL GAP CONSTRUCT THE PAVEMENT AND ENTRANCES TO MAINTAIN ACCESS. ENTRANCES TO THE GAS STATION OR LOADING DOCKS WILL REQUIRE COORDINATION WITH THE PROPERTY OWNERS FOR TEMPORARY ACCESS, DURATION OF CONSTRUCTION AND TIMING OF CONSTRUCTION IN ORDER TO MINIMIZE INCONVENIENCE TO BUSINESS OPERATIONS.
7. EXISTING OR TEMPORARY PAVEMENT MARKINGS REMOVED AS A RESULT OF HMA SURFACE REMOVAL OR PAVEMENT REMOVAL WILL NOT BE PAID FOR SEPARATELY. EXISTING PAVEMENT MARKINGS TO BE REMOVED WILL BE PAID FOR AS PAVEMENT MARKING REMOVAL-GRINDING.
8. PAVEMENT, CURB, SIDEWALK AND DRIVEWAYS TO BE REMOVED MUST BE COMPLETELY REMOVED FROM THE SITE BY THE END OF THE DAY. NO REMOVAL ITEMS MAY BE STORED ON SITE.
9. WORKER SIGNS (W21-1) SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
10. CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
11. DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FEET OF THE EDGE OF TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHAL BE RESPONSIBLE FOR ENSURING THAT THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

STAGING AND TRAFFIC CONTROL SEQUENCE OF CONSTRUCTION

PRE-STAGE

CONSTRUCTION

1. MAKE CONNECTION TO EXISTING SANITARY STRUCTURE.
2. INSTALL PIPE FROM EXISTING STRUCTURE TO STA 50+20 AND INSTALL DROP MANHOLE
3. INSTALL PIPE FROM STA 50+20 TO STA 49+75
4. INSTALL PCC BASE COURSE THROUGH INTERSECTION.
5. INSTALL TEMPORARY SIGNALS.

TRAFFIC CONTROL

1. WORK ACROSS THE INTERSECTION SHALL BE DONE WITH FLAGGERS MAINTAINING ONE LANE IN EACH DIRECTION AT ALL TIMES. WORK WITHIN THE INTERSECTION SHALL ONLY BE DONE BETWEEN THE HOURS OF 9 AM AND 3 PM DAILY. OPEN TRENCHES SHALL BE PLATED AT THE END OF EACH DAY.

STAGE 1

CONSTRUCTION

1. INSTALL TEMPORARY CONCRETE BARRIER AND ATTENUATORS AS SHOWN ON THE PLANS.
2. INSTALL SANITARY SEWER, MANHOLES AND PCC BASE COURSE ON OAKTON STREET FROM STA 49+75 TO THE BEGINNING OF THE PROJECT.

TRAFFIC CONTROL

1. OAKTON STREET - CLOSE INSDIE LANES USING STANDARD 701602 AND AS SHOWN IN THE TRAFFIC CONTROL PLANS. SANTARY TRENCH MUST BE PLATED OR FILLED TO NO LESS THAN 12" BEOLOW THE EXISTING SURFACE AT THE END OF EACH DAY.

STAGE 2

CONSTRUCTION

1. RECONSTRUCT AUSTIN AVENUE SOUTH OF OAKTON STREET.
2. MILL AND RESURFACE OAKTON.
3. ESTABLISH PERMANENT PAVEMENT MARKINGS ON OAKTON STREET.

TRAFFIC CONTROL

1. AUSTIN AVENUE - USING STANDARD 701501 AND THE TRAFFIC CONTROL PLANS THE CONTRACTOR SHALL PROVIDE A FLAGGER SO THAT VEHICLES CAN ACCESS THOSE PROPERTIES.
2. THE CONTRACTOR SHALL COORDINATE WORK SO THAT THE ROADWAY CAN BE OPENED TO TWO-WAY TRAFFIC AT THE END OF EACH DAY. AT A MINIMUM THE CONTRACTOR SHALL PROVIDE AN AGGREGATE SURFACE FOR TRAFFIC.

   OAKTON STREET - MAINTAIN TRAFFIC USING STANDARDS 701427 AND 701501.

STAGE 3

CONSTRUCTION

1. REMOVE OUTSIDE EXISTING 11 FEET OF PAVEMENT, CURB AND GUTTER, SIDEWALK AND DRIVEWAYS ALONG SOUTH BOUND AUSTIN AVENUE FROM STA 102+30 TO STA 126+90.
2. INSTALL STORM SEWER.
3. CONSTRUCT CURB AND GUTTER
4. CONSTRUCT HMA BINDER.
5. CONSTRUCT DRIVEWAYS AND SIDEWALKS.

TRAFFIC CONTROL

1. AUSTIN AVENUE - MAINTAIN TRAFFIC AS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS USING STANDARD 701606 AND 701701.

STAGE 4

CONSTRUCTION

1. REMOVE OUTSIDE EXISTING 11 FEET OF PAVEMENT, CURB AND GUTTER, SIDEWALK AND DRIVEWAYS ALONG NORTH BOUND AUSTIN AVENUE FROM STA 102+30 TO STA 126+90.
2. CONSTRUCT CURB AND GUTTER
3. CONSTRUCT HMA BINDER.
4. CONSTRUCT DRIVEWAYS AND SIDEWALKS.

TRAFFIC CONTROL

1. AUSTIN AVENUE - MAINTAIN TRAFFIC AS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS USING STANDARD 701606 AND 701701.

STAGE 5

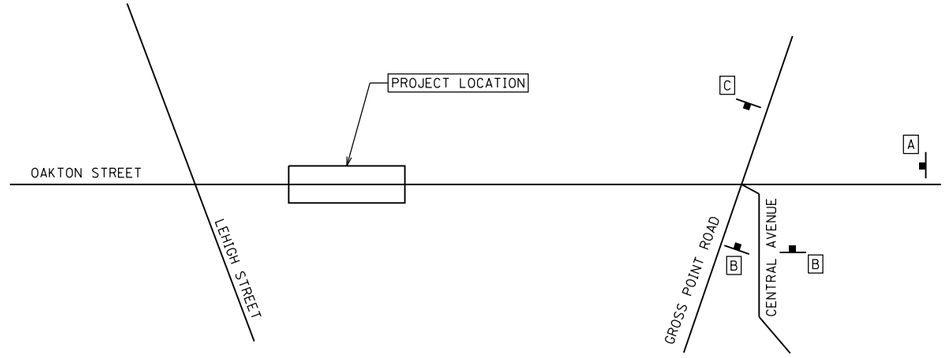
CONSTRUCTION

1. MILL REMAINING SURFACE ON AUSTIN AVENUE.
2. PAVE SURFACE COURSE ON AUSTIN AVENUE.
3. ESTABLISH PERMANENT PAVEMENT MARKING ON AUSTIN AVENUE.
4. COMPLETE RESTORATION
5. COMPLETE PUNCHLIST.

TRAFFIC CONTROL

1. AUSTIN AVENUE - MAINTAIN TRAFFIC USING STANDARDS 701427, 701501 AND 701701.

WIDTH RESTRICTION DETAIL



A
MAX WIDTH
9'-6"
0.4 MILES AHEAD
W12-I103-4848

B
9'-6"
W12-I102(0)-48
M6-1L(0)-2115

C
9'-6"
W12-I102(0)-48
M6-1R(0)-2115

NOTE:

CONTRACTOR TO PLACE SIGNS 500' FEET AHEAD OF EACH INTERSECTION

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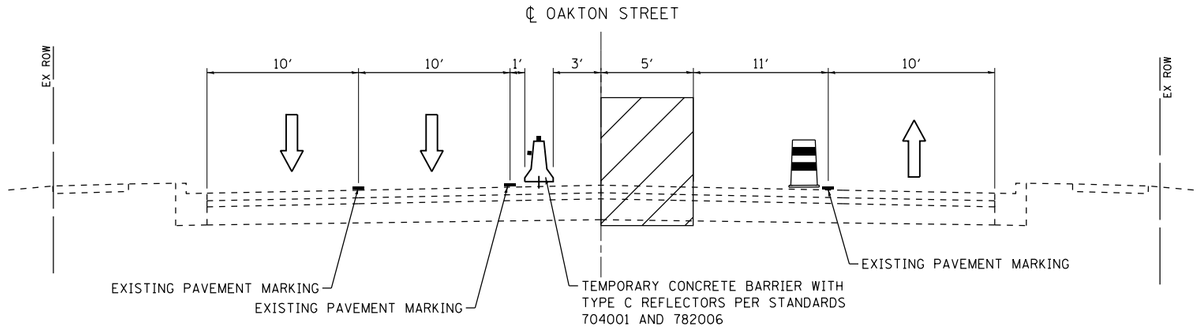
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

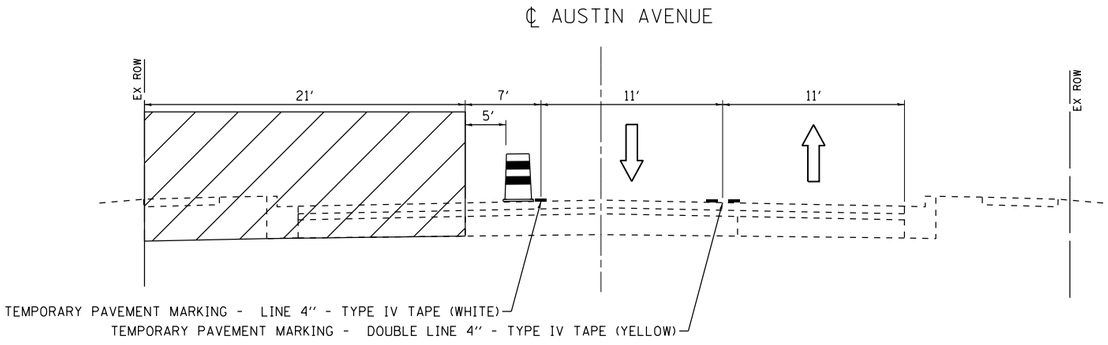
MAINTENANCE OF TRAFFIC GENERAL NOTES

SCALE: N.T.S. | SHEET NO. 1 OF 15 SHEETS | STA. | TO STA.

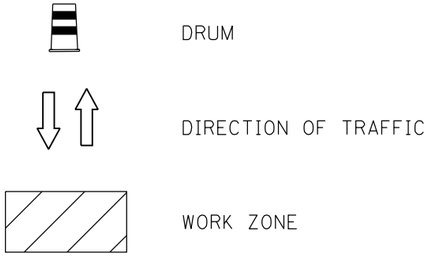
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	30
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



OAKTON STREET - STAGE 1
STA 40+75.00 TO STA 50+00.00



AUSTIN AVENUE - STAGE 3
STA 100+65 TO STA 126+90



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PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

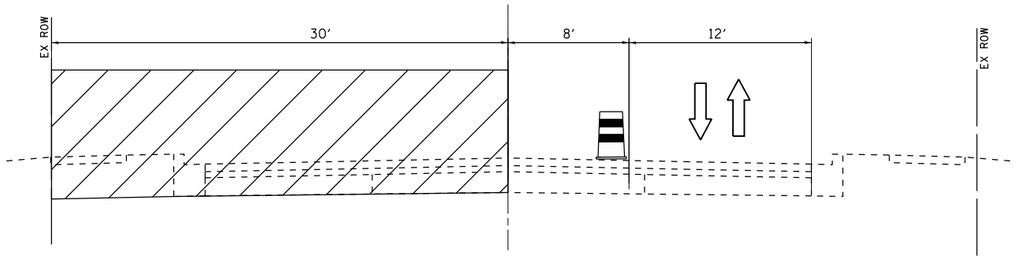
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 2 OF 15 SHEETS | STA. | TO STA.

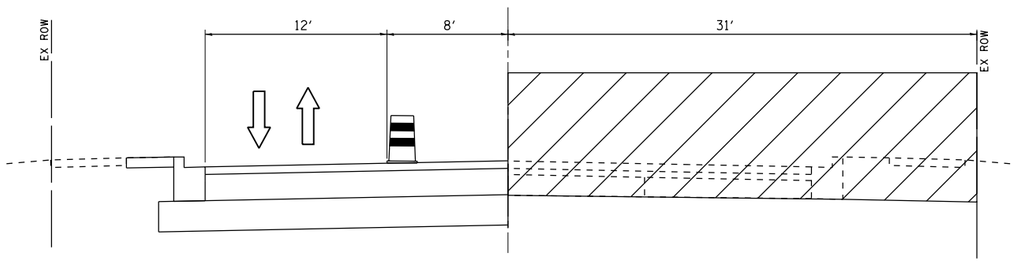
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	31
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

℄ AUSTIN AVENUE



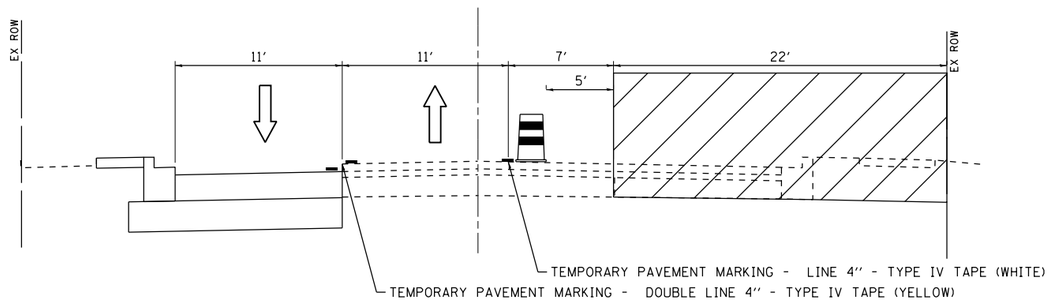
AUSTIN AVENUE - STAGE 2A
STA 100+00.00 TO STA 102+30.00

℄ AUSTIN AVENUE



AUSTIN AVENUE - STAGE 2B
STA 100+00.00 TO STA 102+30.00

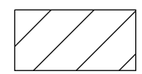
℄ AUSTIN AVENUE



AUSTIN AVENUE - STAGE 4
STA 100+65 TO STA 126+90

DRUM

DIRECTION OF TRAFFIC



WORK ZONE

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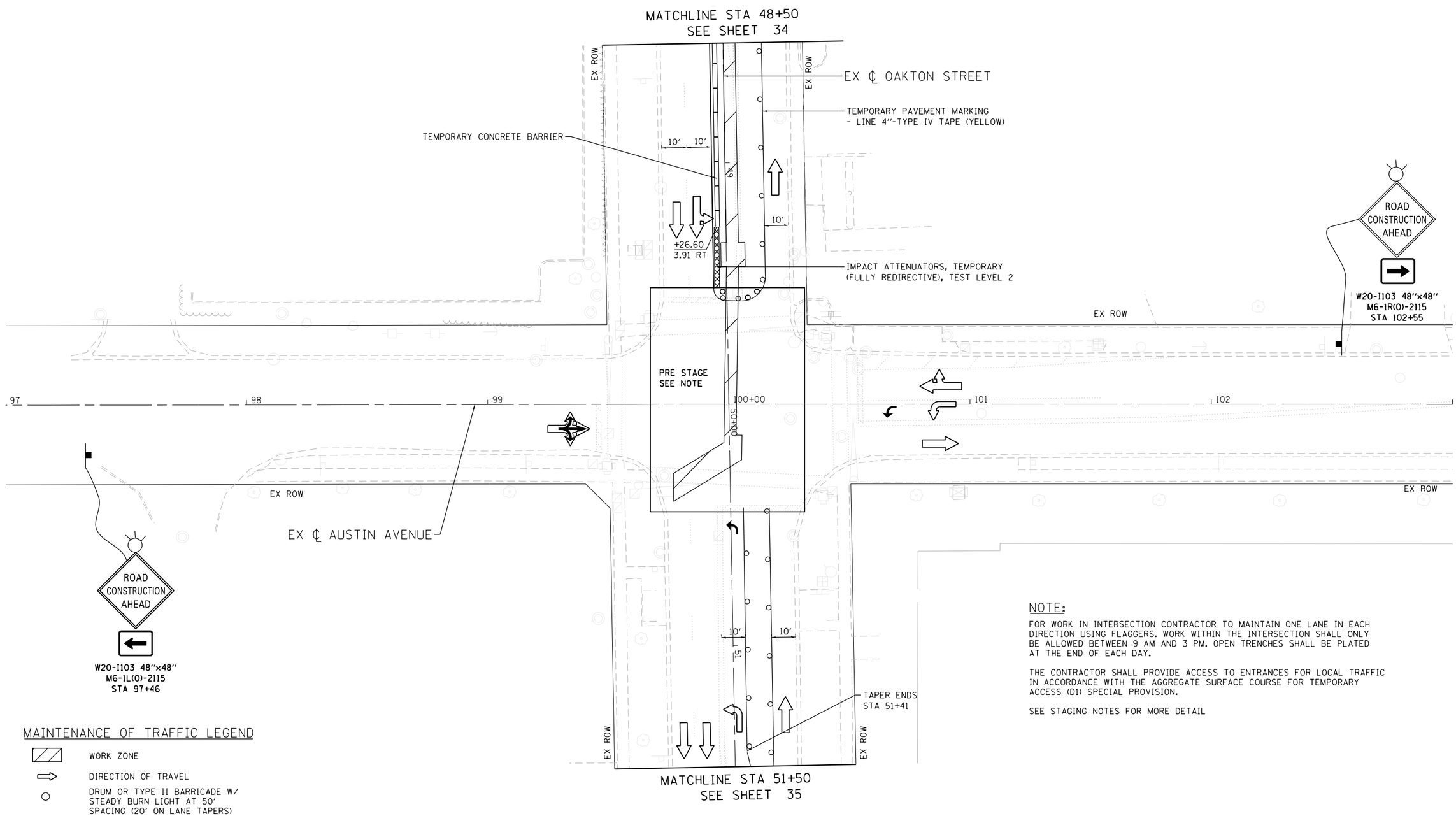
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 3 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	32
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

NOTE:

FOR WORK IN INTERSECTION CONTRACTOR TO MAINTAIN ONE LANE IN EACH DIRECTION USING FLAGGERS. WORK WITHIN THE INTERSECTION SHALL ONLY BE ALLOWED BETWEEN 9 AM AND 3 PM. OPEN TRENCHES SHALL BE PLATED AT THE END OF EACH DAY.

THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.

SEE STAGING NOTES FOR MORE DETAIL

0 20' 40'
GRAPHIC SCALE

DATE PLOTTED = 12/28/2023 6:38:25 AM
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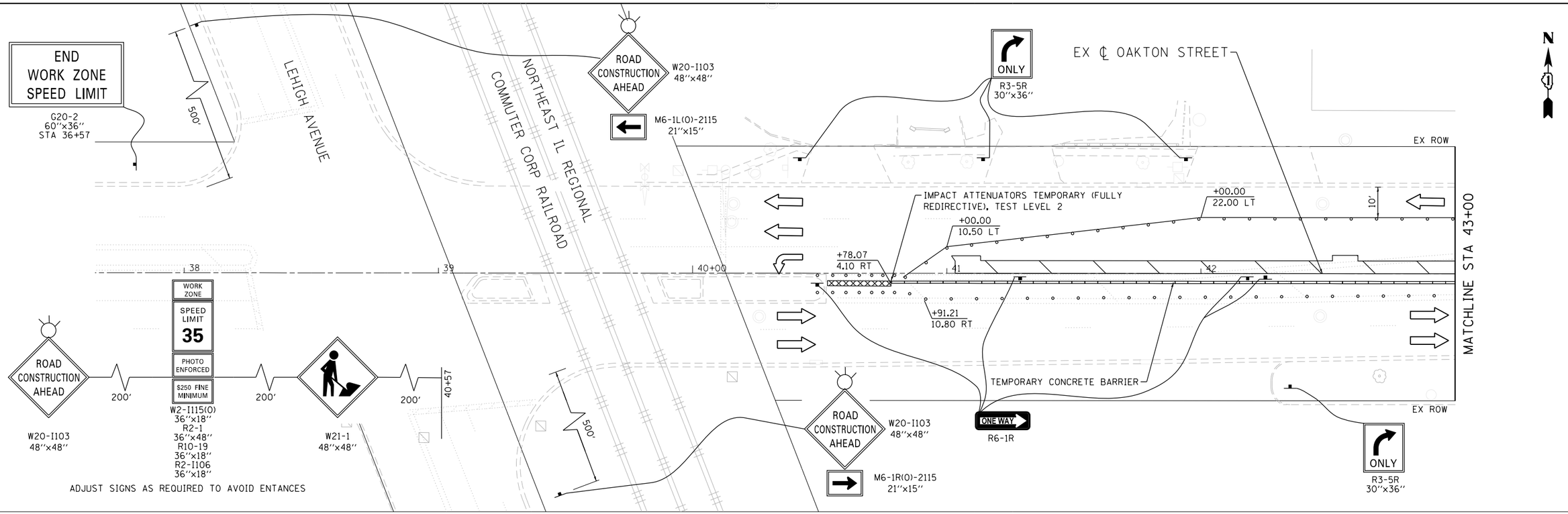
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

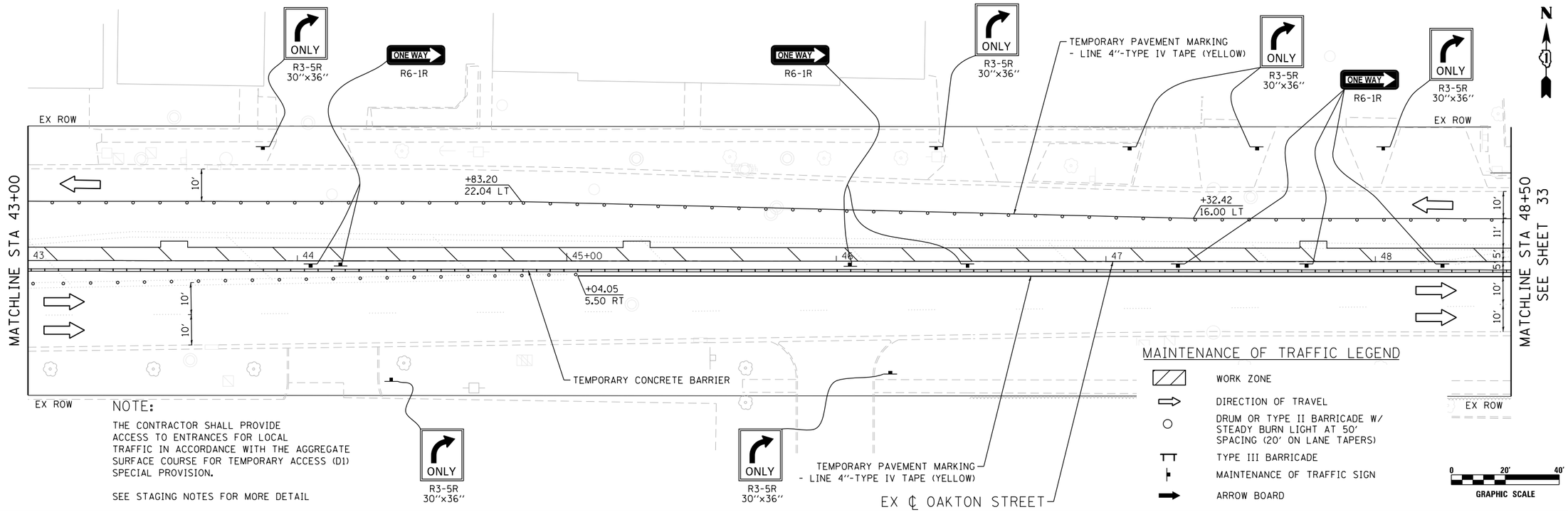
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 1

SCALE: 1" = 20' | SHEET NO. 4 OF 15 SHEETS | STA. 97+00 TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	33
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





NOTE:

THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.

SEE STAGING NOTES FOR MORE DETAIL

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

0 20' 40'
GRAPHIC SCALE

DATE PLOTTED = 12/28/2023 6:38:26 AM
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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 1

SCALE: 1" = 20' | SHEET NO. 5 OF 15 SHEETS | STA. 38+00 | TO STA. 48+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	34
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

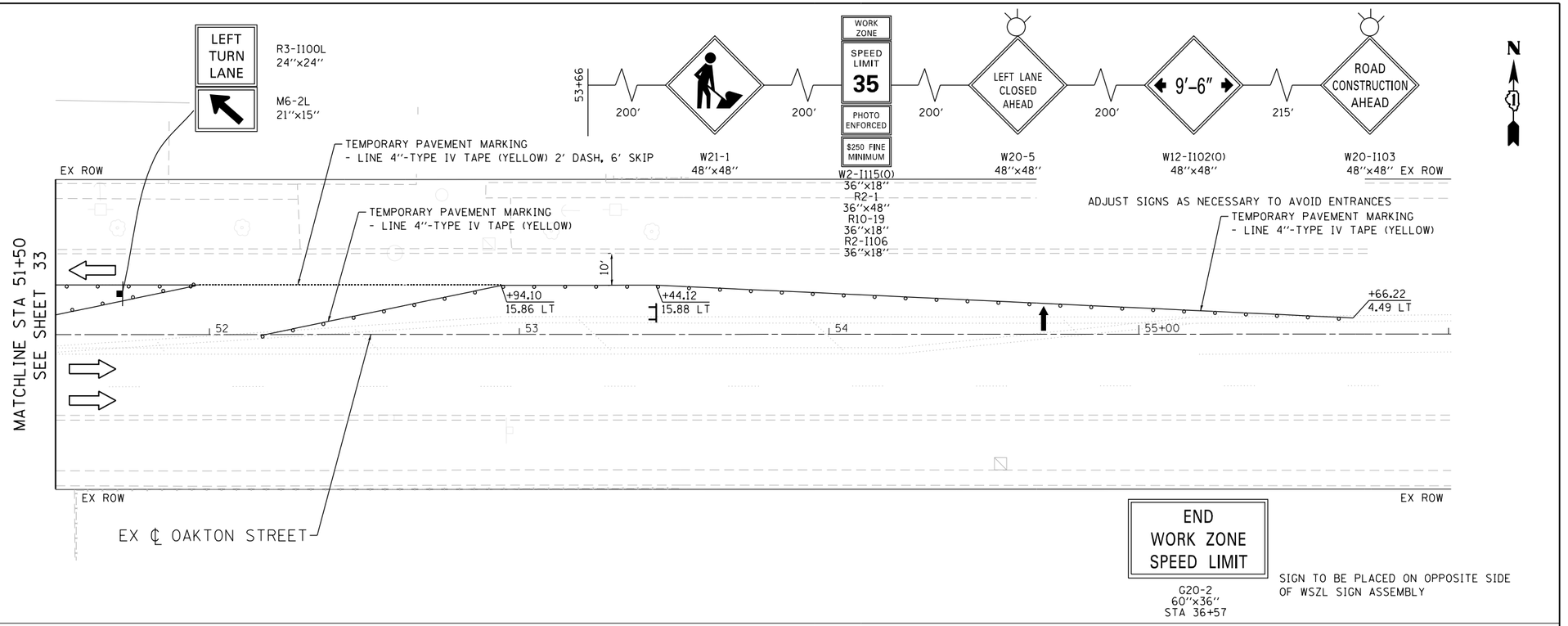
NOTES

THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.

SEE STAGING NOTES FOR MORE DETAIL

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD



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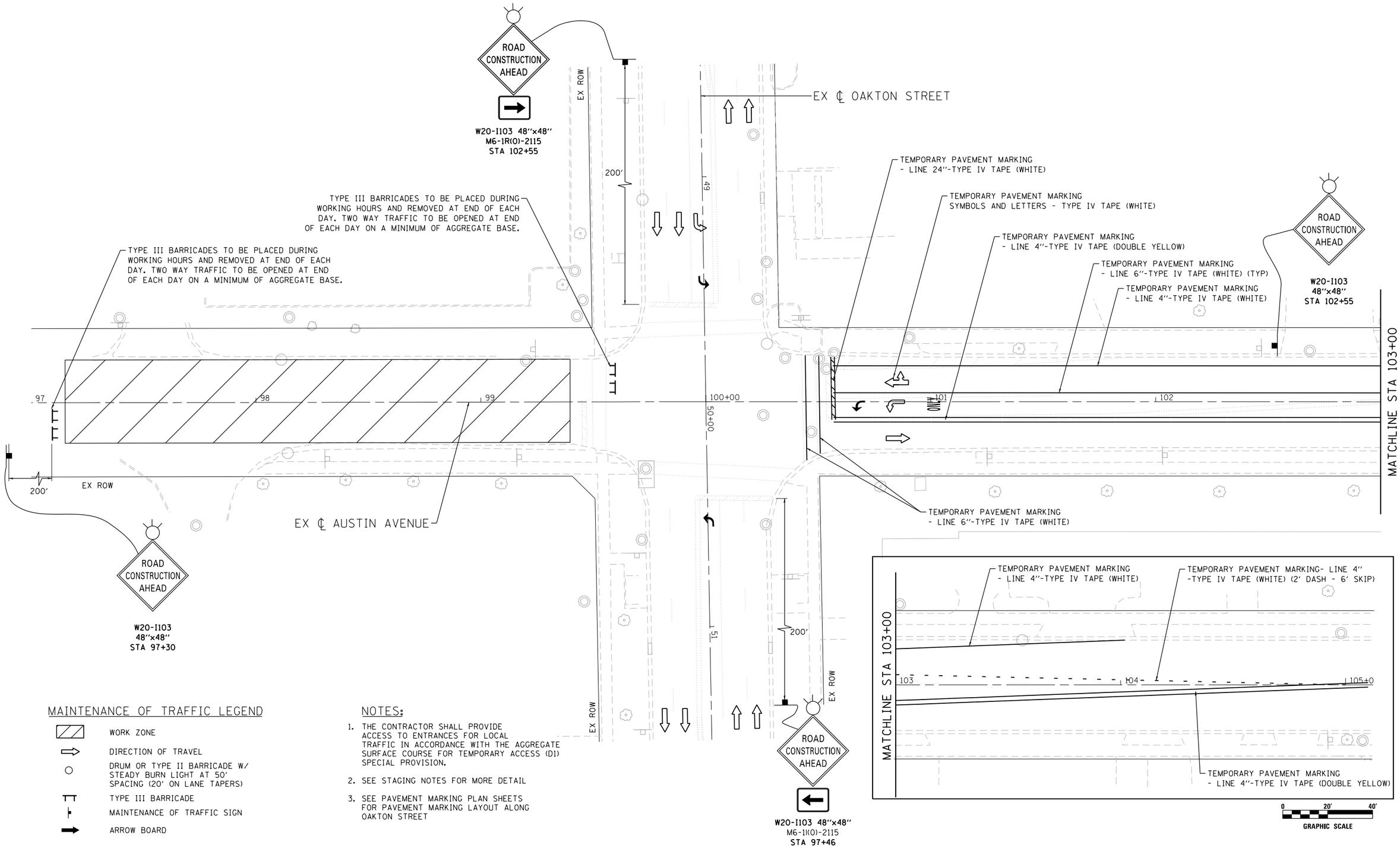
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 1

SCALE: 1" = 20' | SHEET NO. 6 OF 15 SHEETS | STA. 51+50 TO STA. 56+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	35
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

NOTES:

1. THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.
2. SEE STAGING NOTES FOR MORE DETAIL
3. SEE PAVEMENT MARKING PLAN SHEETS FOR PAVEMENT MARKING LAYOUT ALONG OAKTON STREET

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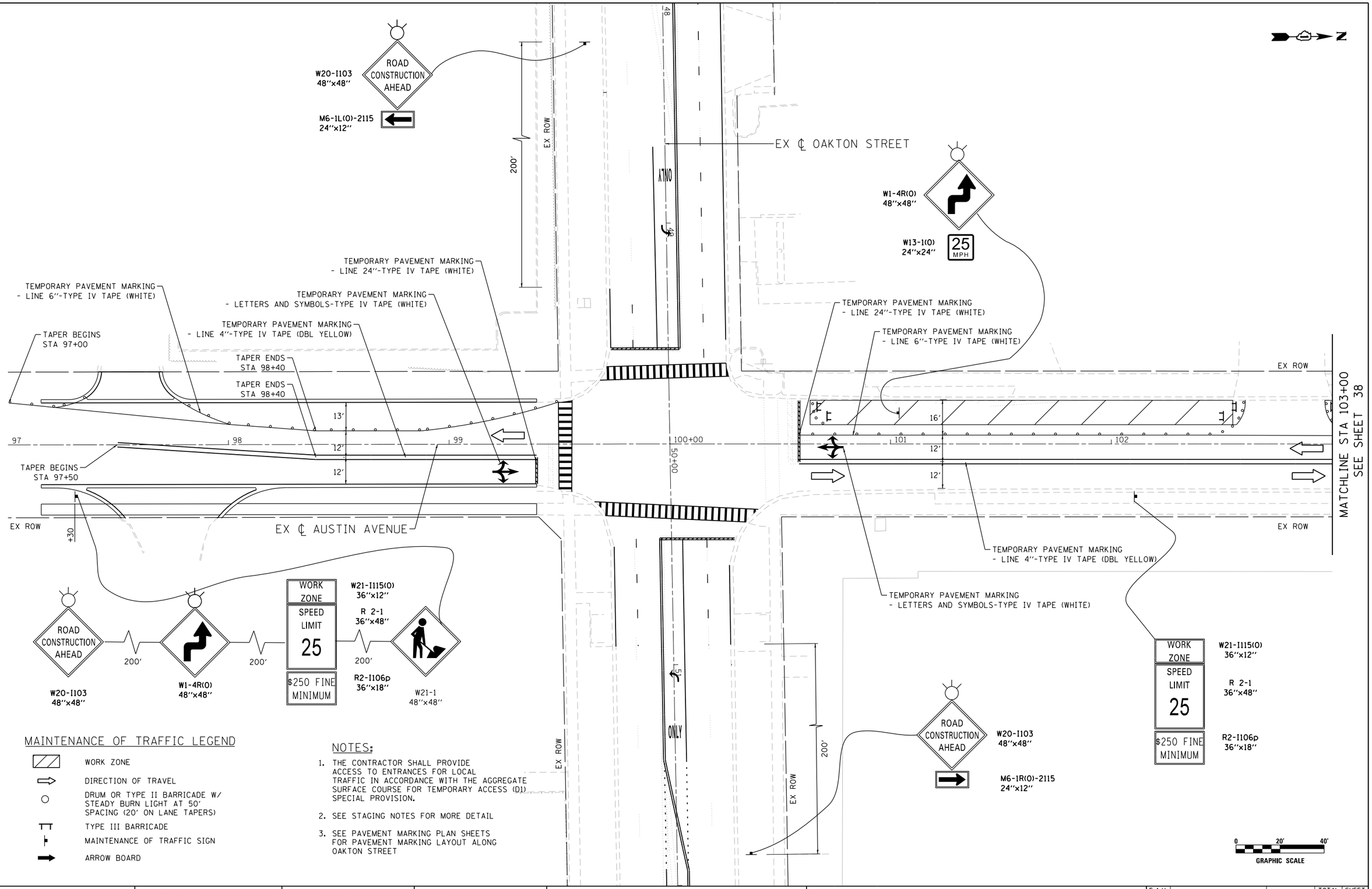
USER NAME = Roadway	DESIGNED - EPS	REVISED -	
	DRAWN - AMH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -	
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 2

SCALE: 1" = 20' | SHEET NO. 1 OF 9 SHEETS | STA. 97+00 TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	36
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

NOTES:

1. THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.
2. SEE STAGING NOTES FOR MORE DETAIL
3. SEE PAVEMENT MARKING PLAN SHEETS FOR PAVEMENT MARKING LAYOUT ALONG OAKTON STREET

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 3

SCALE: 1" = 20' | SHEET NO. 2 OF 9 SHEETS | STA. 97+00 TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	37
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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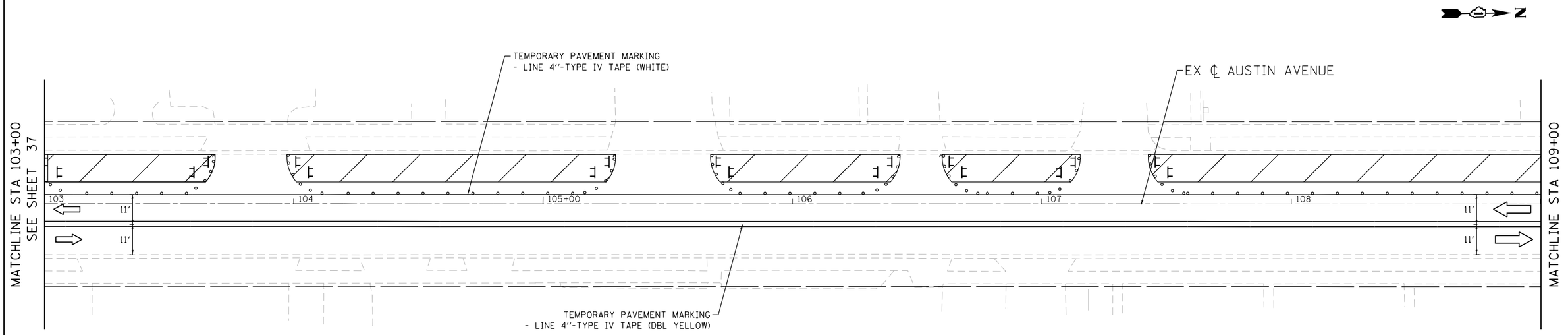

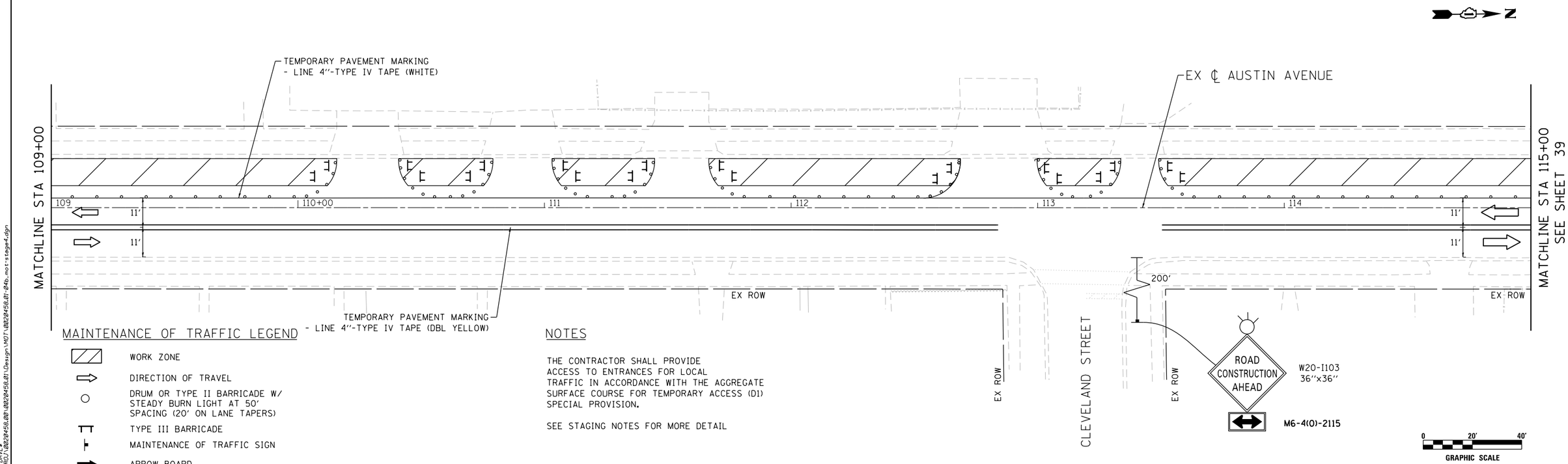

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

NOTES

THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.

SEE STAGING NOTES FOR MORE DETAIL

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 3

SCALE: 1" = 20' | SHEET NO. 3 OF 9 SHEETS | STA. 103+00 TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	38
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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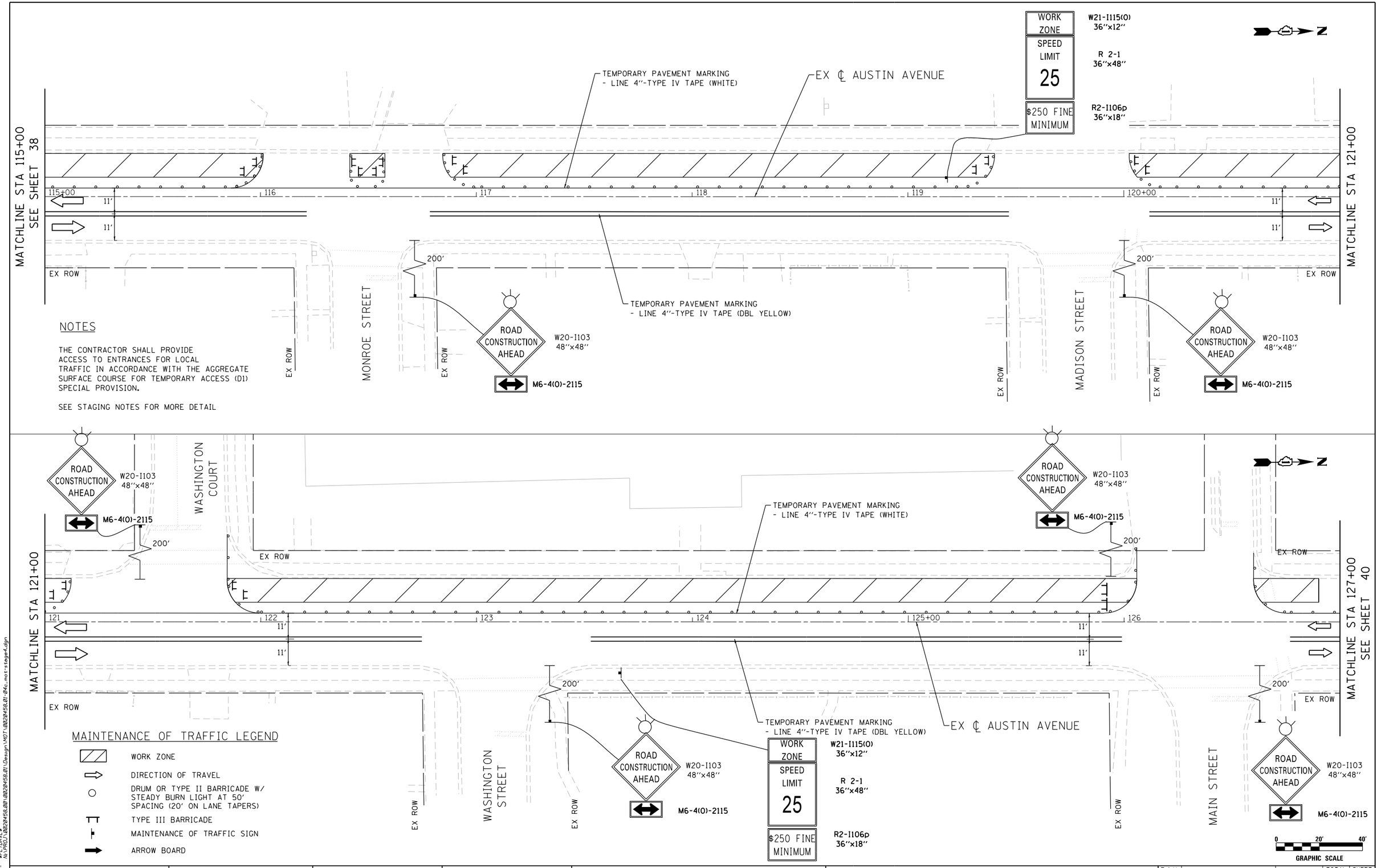

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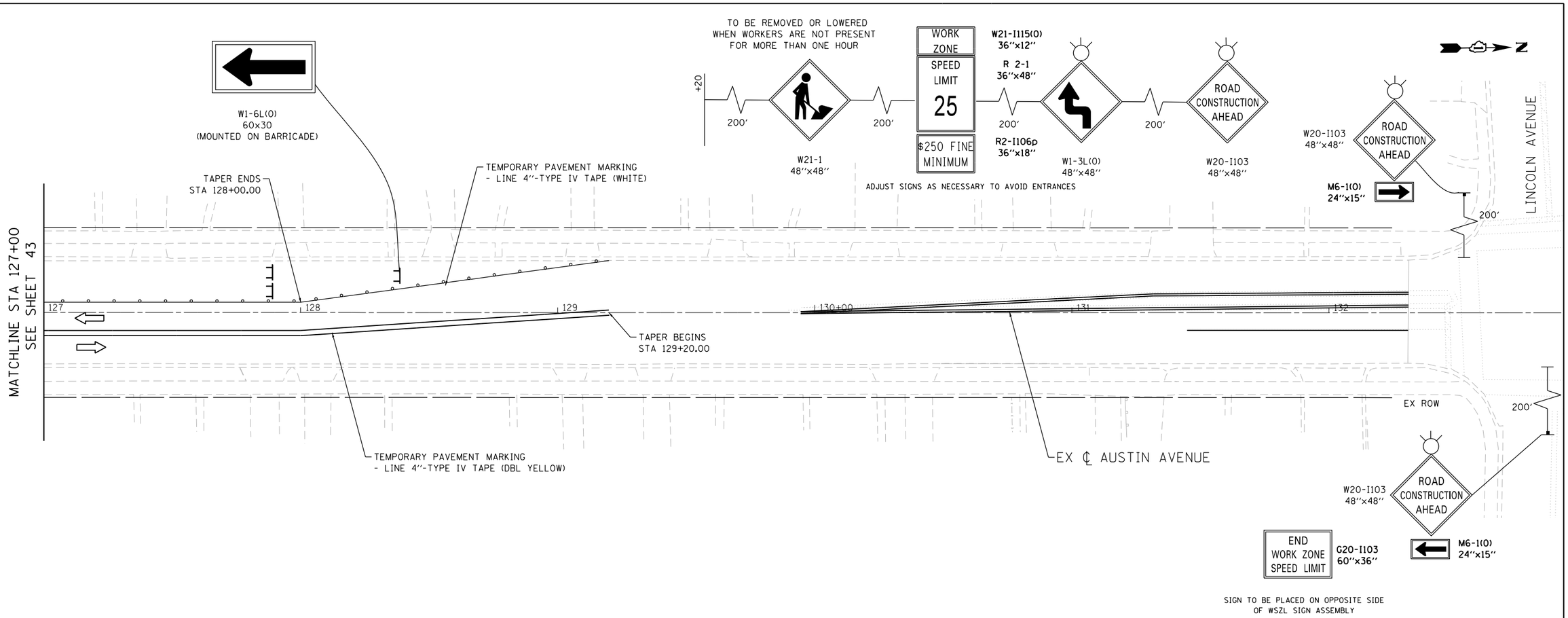
		DRAWN - AMH	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
	PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 3

SCALE: 1" = 20' | SHEET NO. 4 OF 9 SHEETS | STA. 115+00 TO STA. 127+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	39
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

NOTES

THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.

SEE STAGING NOTES FOR MORE DETAIL

0 20' 40'
GRAPHIC SCALE

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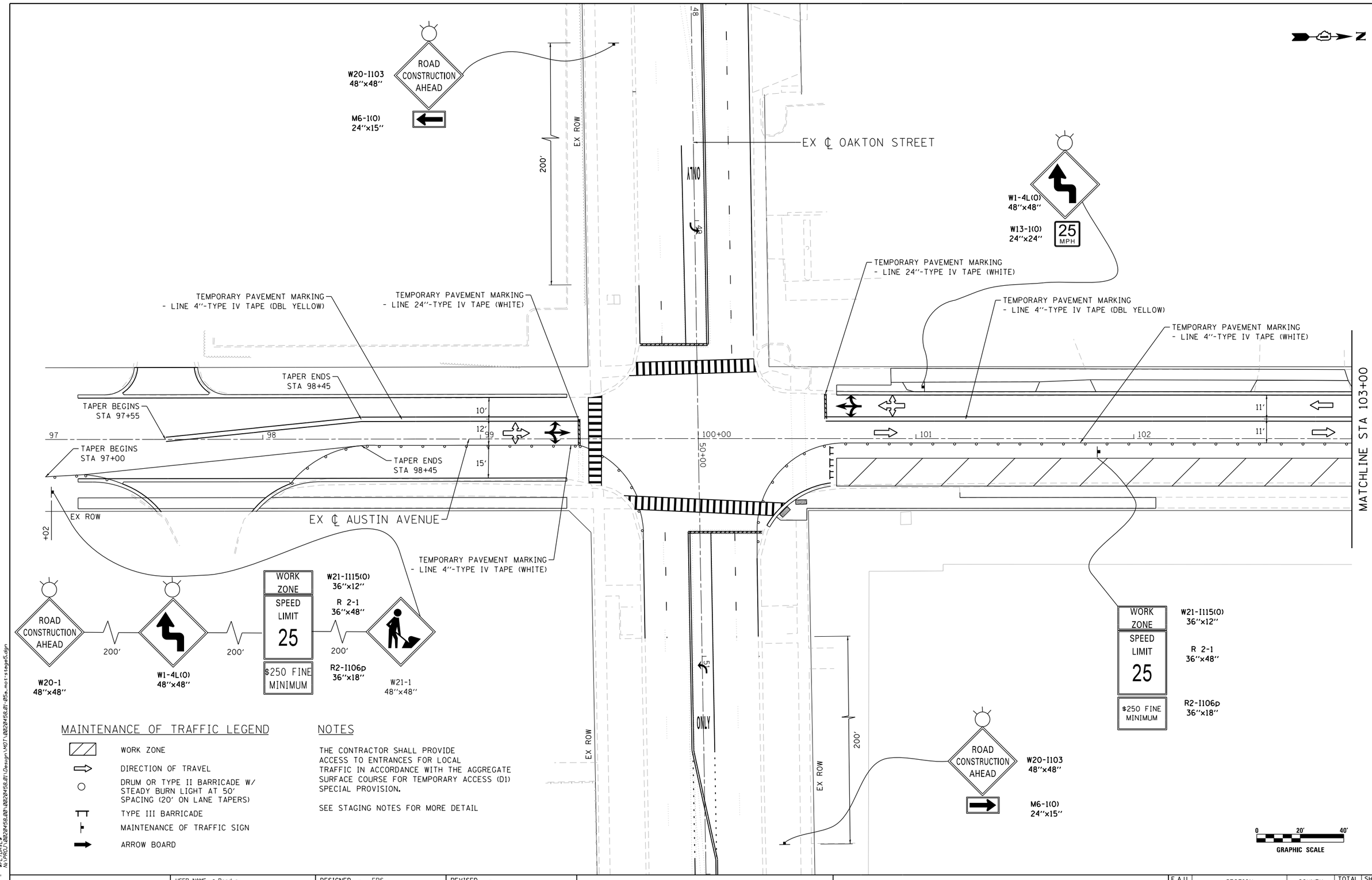
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 3

SCALE: 1" = 20' | SHEET NO. 5 OF 9 SHEETS | STA. 127+00 | TO STA. 132+91

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	40
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

NOTES

THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.

SEE STAGING NOTES FOR MORE DETAIL

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 4

SCALE: 1" = 20' | SHEET NO. 6 OF 9 SHEETS | STA. 97+00 TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	41
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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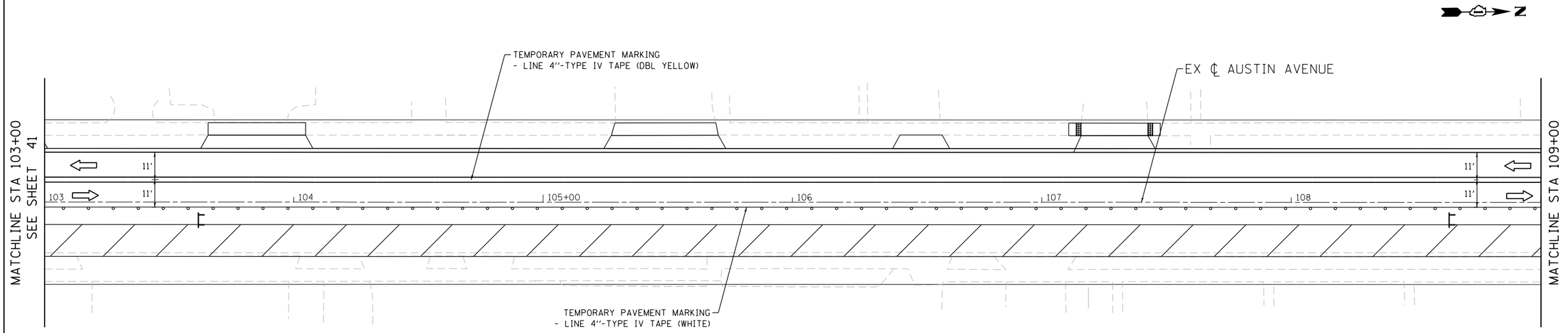

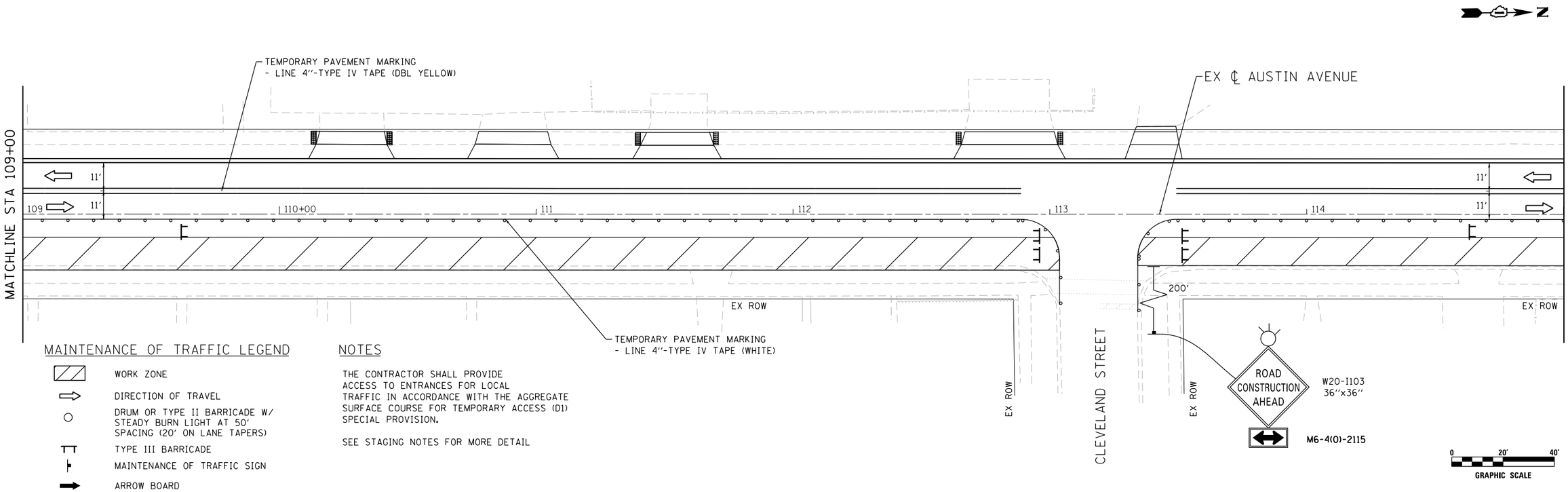

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

NOTES

THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.

SEE STAGING NOTES FOR MORE DETAIL

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

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MAINTENANCE OF TRAFFIC – STAGE 4

SCALE: 1" = 20' | SHEET NO. 7 OF 9 SHEETS | STA. 103+00 | TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	42
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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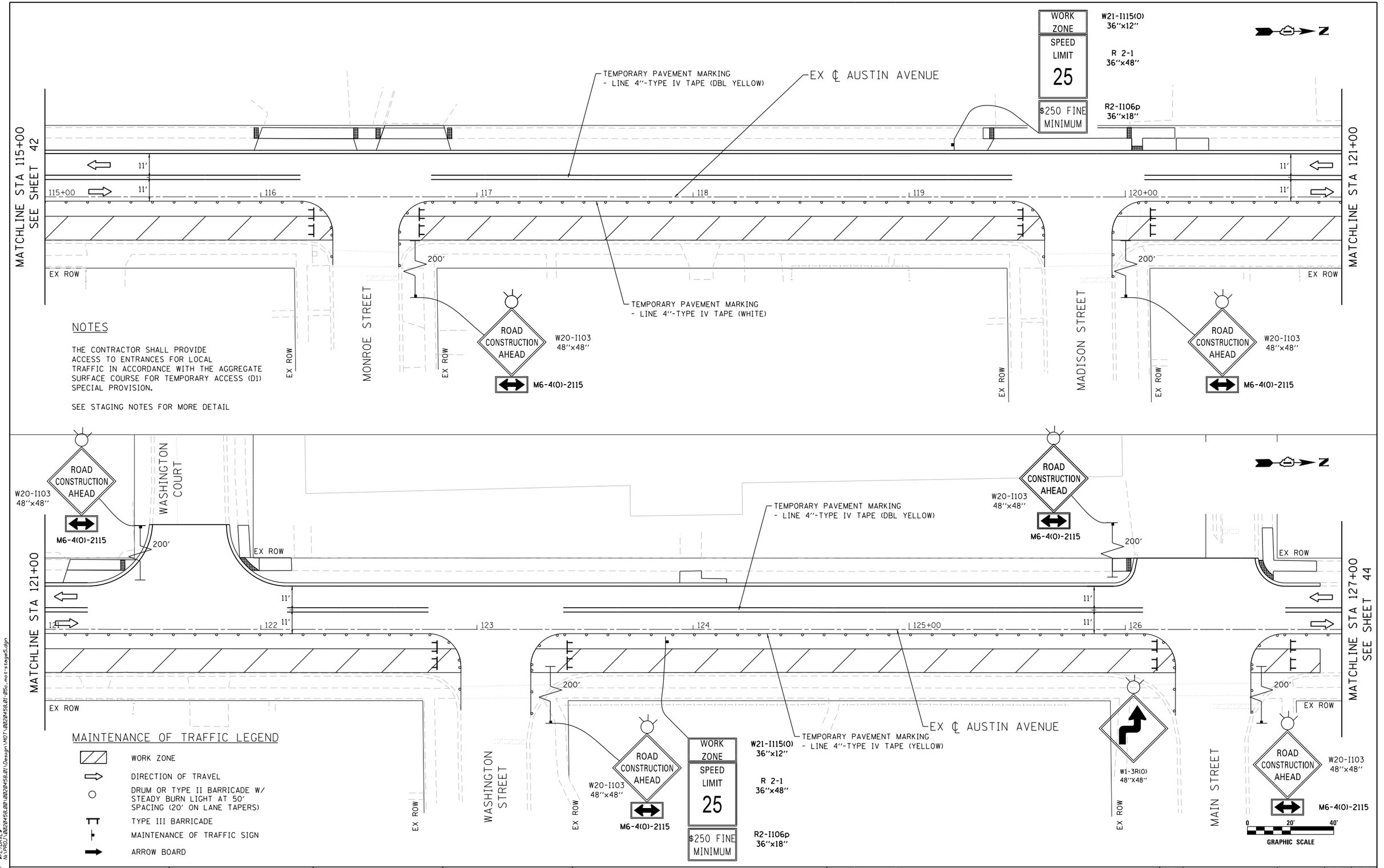

NOTES

THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.

SEE STAGING NOTES FOR MORE DETAIL

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

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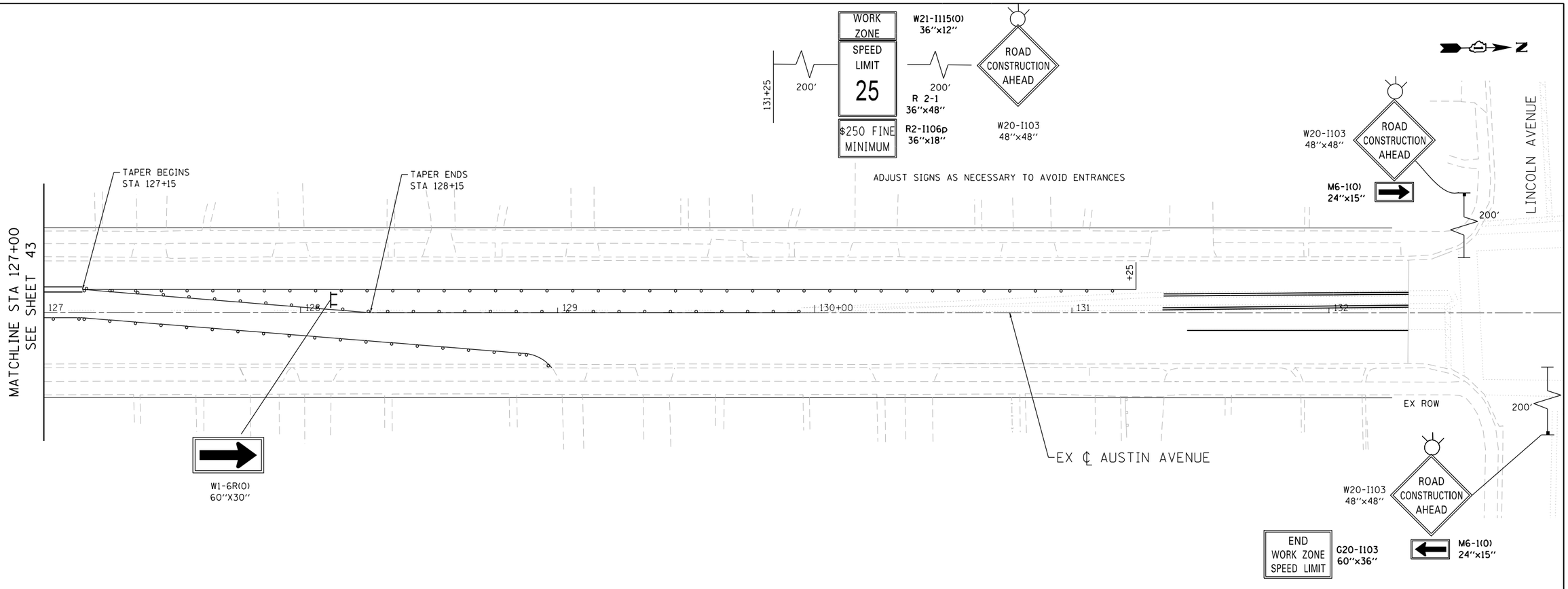
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 4

SCALE: 1" = 20' | SHEET NO. 8 OF 9 SHEETS | STA. 115+00 TO STA. 127+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	43
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- DIRECTION OF TRAVEL
- DRUM OR TYPE II BARRICADE W/ STEADY BURN LIGHT AT 50' SPACING (20' ON LANE TAPERS)
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ARROW BOARD

NOTES

THE CONTRACTOR SHALL PROVIDE ACCESS TO ENTRANCES FOR LOCAL TRAFFIC IN ACCORDANCE WITH THE AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1) SPECIAL PROVISION.

SEE STAGING NOTES FOR MORE DETAIL

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE 4

SCALE: 1" = 20' | SHEET NO. 9 OF 9 SHEETS | STA. 127+00 | TO STA. 132+91

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	44
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LEGEND

SODDING

TOPSOIL FURNISH AND PLACE, 4''

PERIMETER EROSION BARRIER

TREE TRUNK PROTECTION

INLET FILTERS

N

MATCHLINE STA 48+50
SEE SHEET EROS04

EX ROW

EX ℄ OAKTON STREET

EX ROW

EX ROW

PROJECT BEGINS
STA 97+15.00

EX ROW

97

98

99

100+00

101

102

EX ROW

EX ROW

EX ℄ AUSTIN AVENUE

50+00

151

EX ROW

EX ROW

MATCHLINE STA 103+00
SEE SHEET 46

0 20' 40'

GRAPHIC SCALE

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND RESTORATION PLAN

SCALE: 1'' = 20' | SHEET NO. 1 OF 5 SHEETS | STA. 97+15 | TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	45
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

EROSION CONTROL BARRIER

TREE PROTECTION

INLET FILTERS

N

EX ℄ AUSTIN AVENUE

EX ROW

EX ROW

MATCHLINE STA 103+00
SEE SHEET 45

103 104 105+00 106 107 108

EX ROW

EX ROW

MATCHLINE STA 109+00

N

EX ℄ AUSTIN AVENUE

EX ROW

EX ROW

MATCHLINE STA 109+00

109 110+00 111 112 113 114

EX ROW

EX ROW

EX ROW

CLEVELAND STREET

EX ROW

MATCHLINE STA 115+00
SEE SHEET 47

0 20' 40'

GRAPHIC SCALE

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND RESTORATION PLAN

SCALE: 1" = 20' | SHEET NO. 2 OF 5 SHEETS | STA. 103+00 TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	46
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LEGEND

SODDING
TOPSOIL FURNISH AND PLACE, 4"

PERIMETER EROSION BARRIER

TREE TRUNK PROTECTION

INLET FILTERS

N

MATCHLINE STA 115+00
SEE SHEET 46

EX ROW

EX ℄ AUSTIN AVENUE

115+00 116 117 118 119 120+00

MONROE STREET

MADISON STREET

MATCHLINE STA 121+00

0 20' 40'
GRAPHIC SCALE

WASHINGTON COURT

FLAG POLE

121 122 123 124 125+00 126

WASHINGTON STREET

MAIN STREET

MATCHLINE STA 1270
SEE SHEET $EROS04

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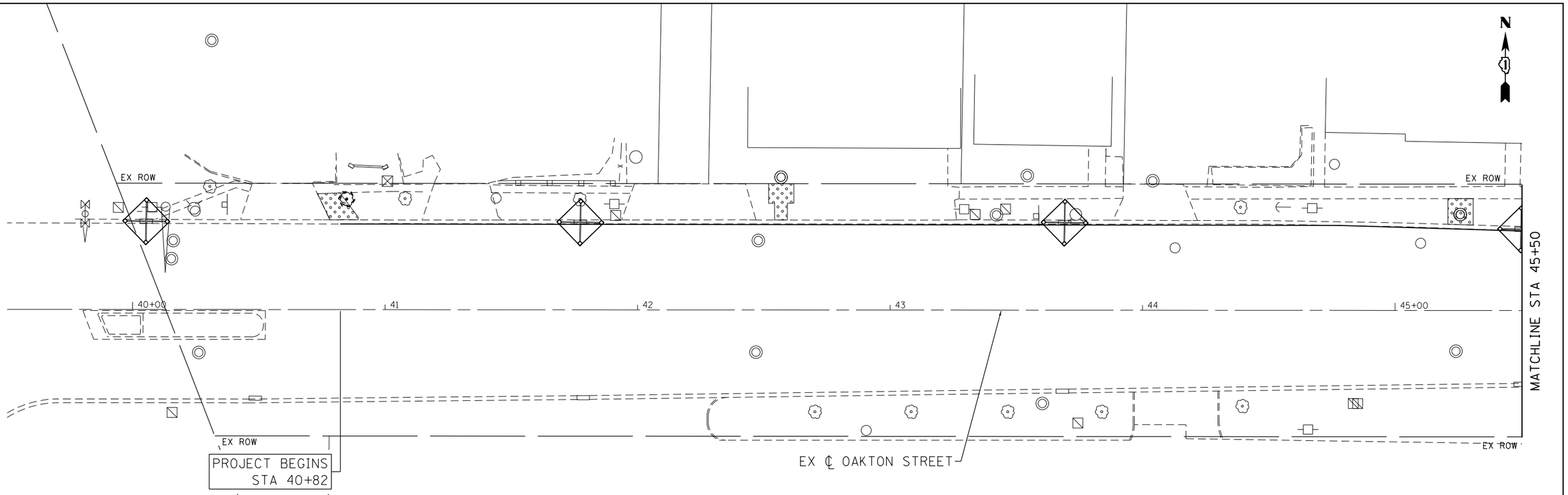
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

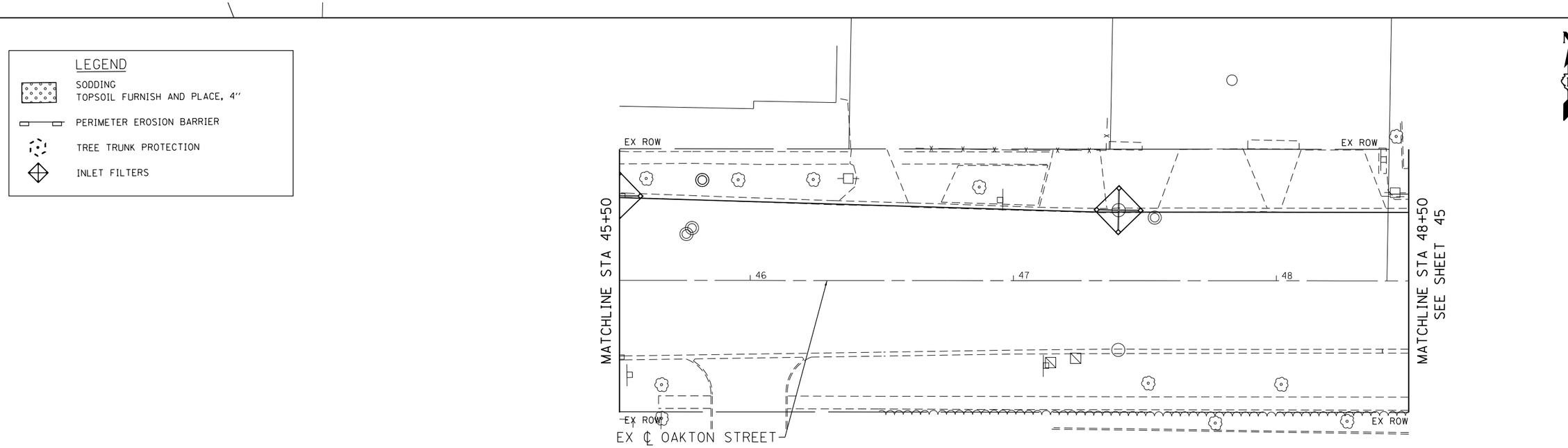
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND RESTORATION PLAN

SCALE: 1" = 20' | SHEET NO. 3 OF 5 SHEETS | STA. 115+00 | TO STA. 127+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	47
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





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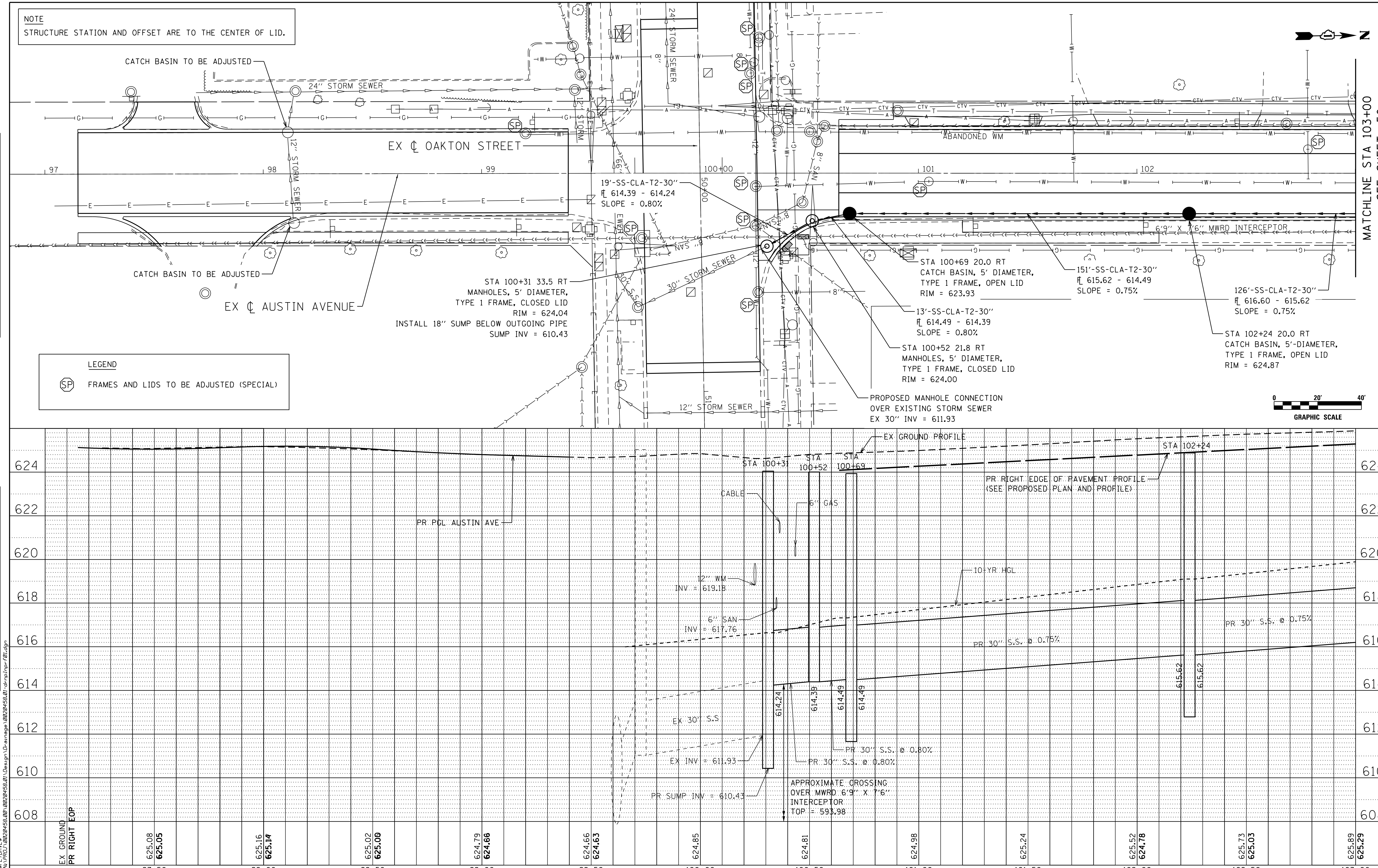
		DRAWN - AMH	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
	PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND RESTORATION PLAN

SCALE: 1" = 20' | SHEET NO. 5 OF 5 SHEETS | STA. 40+82 | TO STA. 48+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	48
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



PLAN	NOTE BOOK NO.	SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME	BY	DATE

PROFILE	NOTE BOOK NO.	SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD	BY	DATE

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USER NAME = Roadway	DESIGNED - AMD	REVISED -	
	DRAWN - AMD	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LAM	REVISED -	
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN AND PROFILE

SCALE: 1'' = 20' | SHEET NO. 1 OF 5 SHEETS | STA. 97+15 TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	49
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA 103+00
SEE SHEET 49

MATCHLINE STA 109+00
SEE SHEET 51

EX ℄ AUSTIN AVENUE

LEGEND

(SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

N

CATCH BASIN TO BE ADJUSTED

PROPOSED CATCH BASIN CONNECTION OVER EXISTING STORM SEWER EX 12" INV. = 622.15

15 L.F WATER MAIN, 6"

ABANDONED WM

CONCRETE COLLAR EX 12" INV. = 620.32

12" STORM SEWER

8" SAN

6'9" X 7'6" MWRD INTERCEPTOR

35'-SS-WM REQ-15"
℄ 621.64 - 621.05
SLOPE = 1.72%

22 L.F WATER MAIN, 6"

CATCH BASIN TO BE ADJUSTED

CATCH BASIN TO BE ADJUSTED

(2X) PROPOSED CATCH BASIN CONNECTION OVER EXISTING STORM SEWER

PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE

10" SAN

12" STORM SEWER

15 L.F WATER MAIN, 6"

22 L.F WATER MAIN, 12"

103 104 105+00 106 107 108

100'-SS-CLA-T2-30"
℄ 617.38 - 616.60
SLOPE = 0.75%

62'-SS-CLA-T2-30"
℄ 618.00 - 617.53
SLOPE = 0.75%

178'-SS-CLA-T2-24"
℄ 620.41 - 619.51
SLOPE = 0.51%

STA 106+74 17.4 RT
MANHOLES, 6'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 626.18

81" x 90" MWRD INTERCEPTOR

STA 103+54 20.0 RT
CATCH BASIN, 5' DIAMETER,
TYPE 1 FRAME, OPEN LID
RIM = 625.53

20'-SS-WM REQ-30"
℄ 617.53 - 617.38
SLOPE = 0.75%

STA 105+41 18.5 RT
MANHOLES, 5' DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 626.48

STA 106+35 20.0 RT
CATCH BASIN, 5' DIAMETER,
TYPE 1 FRAME, OPEN LID
RIM = 626.23

5'-SS-CLA-T2-15"
℄ 621.10 - 621.05
SLOPE = 1.14%

PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE

STA 108+52 20.0 RT
CATCH BASIN, 4' DIAMETER,
TYPE 1 FRAME, OPEN LID
RIM = 625.49

90'-SS-CLA-T2-30"
℄ 618.76 - 618.00
SLOPE = 0.80%

39'-SS-WM REQ-30"
℄ 619.00 - 618.76
SLOPE = 0.62%

NOTE
STRUCTURE STATION AND OFFSET ARE TO THE CENTER OF LID.

0 20' 40'
GRAPHIC SCALE

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

PROFILE
SURVEYED
PLOTTED
PROFILE CHECKED
BAL. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

631 629 627 625 623 621 619 617 615

PR RIGHT EDGE OF PAVEMENT PROFILE
(SEE PROPOSED PLAN AND PROFILE)

EX GROUND PROFILE

STA 103+54
STA 105+41
STA 106+35
STA 106+74
STA 108+52

WATER MAIN, 6"
T/P = 621.23

WATER MAIN REMOVAL, 6"
T/P = 620.23

WATER MAIN REMOVAL, 6"
T/P = 620.31

10-YR HGL

10" SAN
INV = 620.81

PR 30" S.S. @ 0.75%

PR 30" S.S. WM REQ @ 0.75%

PR 30" S.S. @ 0.81 %

PR 30" S.S. WM REQ @ 0.62 %

PR 24" S.S. @ 0.51%

PARALLEL MWRD
6'9" X 7'6"
INTERCEPTOR
TOP = 594.00

620.41

618.00 618.00 618.76 618.76 619.00 619.51

WATER MAIN, 6"
T/P = 617.25

616.60 616.60

EX GROUND	626.12	626.38	626.60	626.76	626.84	626.92	626.81	626.60	626.55	626.40	626.25	626.30
PR RIGHT EOP	625.54	625.80	626.05	626.31	626.56	626.38	626.21	626.03	625.86	625.68	625.51	625.69

103+50 104+00 104+50 105+00 105+50 106+00 106+50 107+00 107+50 108+00 108+50 109+00

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USER NAME = Roadway	DESIGNED - AMD	REVISED -	
	DRAWN - AMD	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LAM	REVISED -	
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 2 OF 5 SHEETS | STA. 103+00 TO STA. 109+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	50
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA 109+00
SEE SHEET 50

MATCHLINE STA 115+00
SEE SHEET 52

VALVE VAULT TO BE ADJUSTED

CATCH BASIN TO BE ADJUSTED

EX ℄ AUSTIN AVENUE

24" STORM SEWER

6'9" X 7'6" MWRD INTERCEPTOR

ABANDONED WM

12" STORM SEWER

CATCH BASIN TO BE ADJUSTED

MAINTAIN PRIVATE RESTRICTED OUTLET TO CURB LINE

CATCH BASIN TO BE ADJUSTED

CATCH BASIN TO BE ADJUSTED

CATCH BASIN TO BE ADJUSTED

EX ROW

CLEVELAND STREET

EX ROW

LEGEND

(SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

0 20' 40'
GRAPHIC SCALE

PR RIGHT EDGE OF PAVEMENT PROFILE

EX GROUND PROFILE

	109+50	110+00	110+50	111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50	115+00
EX GROUND	626.44	626.53	626.44	626.27	626.16	625.92	625.70	625.65	625.72	625.81	625.91	626.04
PR RIGHT EOP	625.86	626.04	625.86	625.67	625.49	625.30	625.12	625.04	625.21	625.37	625.53	625.70

633 631 629 627 625 623 621 619 617

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

PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
ELEV. NOTED
STRUCTURE NO(S)/ATHS CHKD
NOTE BOOK
NO.
BY
DATE

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USER NAME = Roadway	DESIGNED - AMD	REVISED -
	DRAWN - AMD	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LAM	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 3 OF 5 SHEETS | STA. 109+00 TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	51
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA 115+00
SEE SHEET 51

MATCHLINE STA 121+00
SEE SHEET 53

EX ROW

MONROE COURT

MONROE STREET

MADISON COURT

MADISON STREET

EX ℄ AUSTIN AVENUE

24" STORM SEWER

36" EORS STORM SEWER

30" EORS STORM SEWER

6'9" X 7'6" MWRD INTERCEPTOR

ABANDONED WM

24" EORS STORM SEWER

CATCH BASIN TO BE ADJUSTED

MANHOLE TO BE ADJUSTED

LEGEND

(SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

GRAPHIC SCALE 0 20' 40'

PR RIGHT EDGE OF PAVEMENT PROFILE

EX GROUND PROFILE

	EX GROUND	626.18	626.18	626.13	626.09	626.06	625.92	625.96	626.04	626.15	626.33	626.56	626.78
	PR RIGHT EOP	625.86	625.70	625.53	625.37	625.20	625.03	625.24	625.43	625.63	625.84	626.03	626.24
	115+50	116+00	116+50	117+00	117+50	118+00	118+50	119+00	119+50	120+00	120+50	121+00	

PLAN / PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
NOTE BOOK
NO.
BY
DATE
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BM. NOTED
STRUCTURE NOTATNS CHKD

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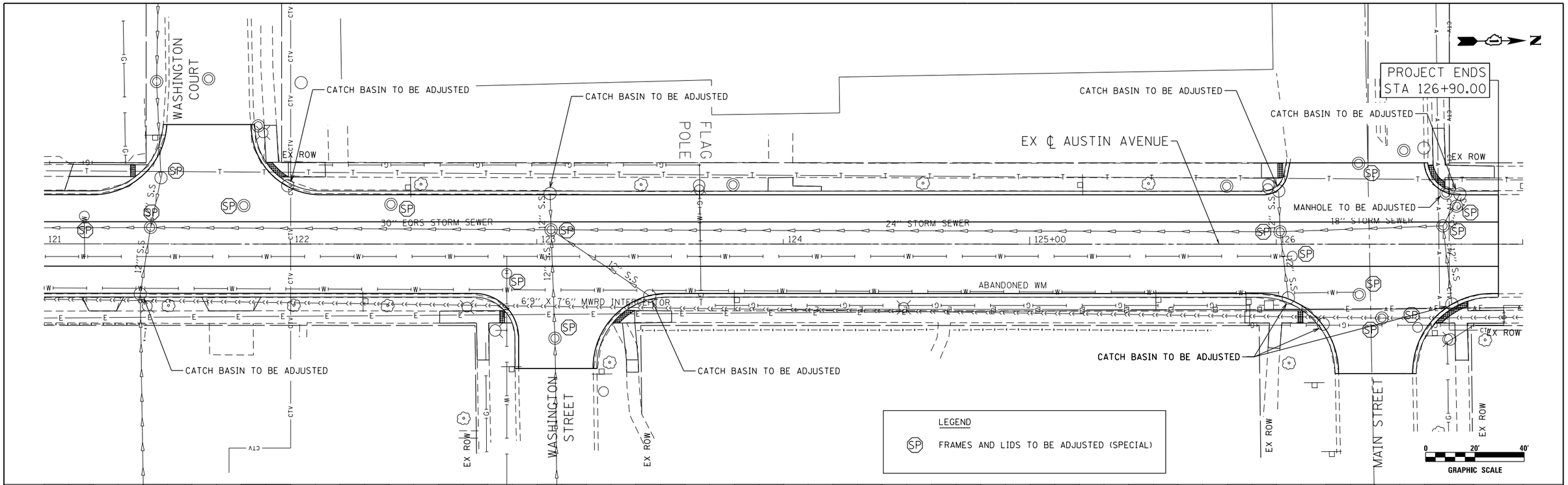
USER NAME = Roadway	DESIGNED - AMD	REVISED -
	DRAWN - AMD	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LAM	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

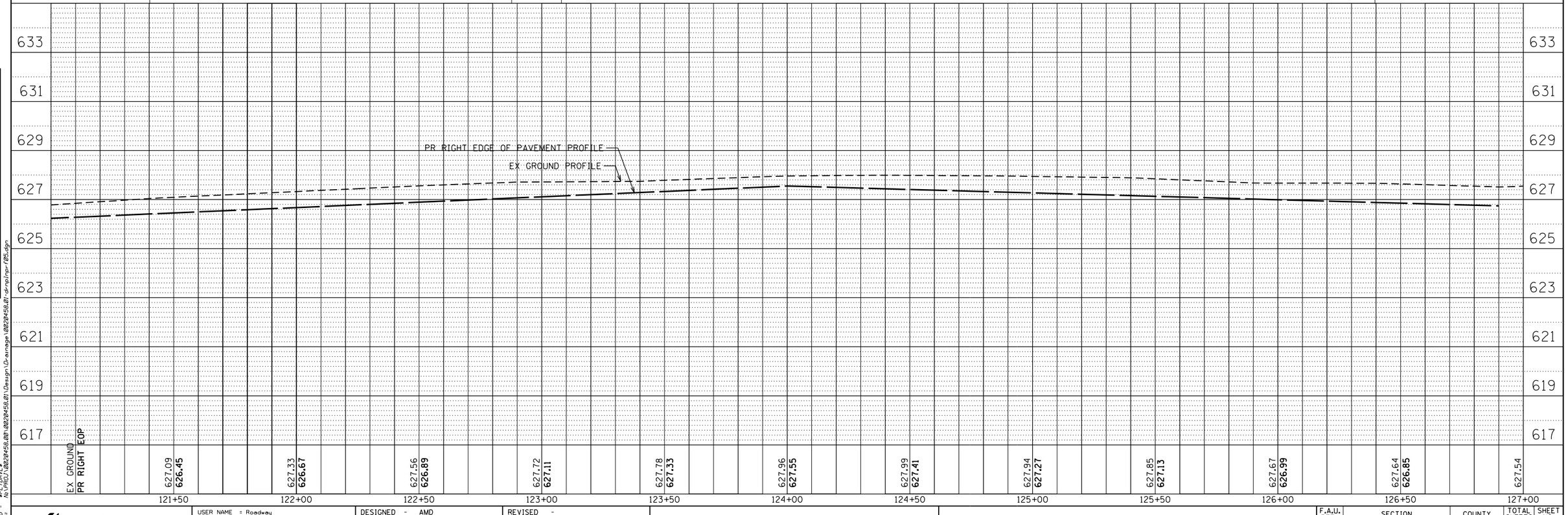
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 4 OF 5 SHEETS | STA. 115+00 TO STA. 121+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	52
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





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PROFILE — SURVEYED | PLOTTED | DRAWN | CHECKED | BM. NOTED | STRUCTURE NO(S)/(S) CHKD | NOTE BOOK | NO. | BY | DATE

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USER NAME = Roadway	DESIGNED - AMD	REVISED -
	DRAWN - AMD	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LAM	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 5 OF 5 SHEETS | STA. 121+00 | TO STA. 127+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	53
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

STA 40+31 106.5' LT
RIM = 627.34
6" INV. = 619.47

STA 40+76 47.5' LT
MANHOLES, SANITARY, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 628.15
6" INV. = 621.09 (NW)
6" INV. = 619.67 (SE)

6132
OAKTON

STM INLET
RIM = 627.19

WM VALVE
RIM = 627.70
TP = 621.6

WM VALVE
RIM = 627.97

6" SAN

STM INLET
RIM = 626.98
RIM = 621.98 (S)

STM CB
RIM = 627.24

STM MH
RIM = 626.96
INV = 622.16 (S)

ABANDON AND FILL EXISTING
SANITARY SEWER, 4" (TYP)

55 FT - SAN SEW
PVC C909 8" @ 1.0%

SAN. T/P: 620.09
WM INV: 620.93

SAN. T/P: 619.99
WM INV: 620.6

153 FT - SAN SEW PVC
(D3034) SDR 26, 8" @ 0.4%

STA 41+08 1.9' LT
MANHOLES, SANITARY, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 627.8
8" INV. = 619.12 (E)
6" INV. = 619.12 (N)

STA 42+57 47.1' LT
MANHOLES, SANITARY, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 627.32
6" INV. = 618.95

SAN MH
RIM = 627.33
INV = 625.13 (S)

4" SAN

44 FT - SAN SEW 6"
PVC SDR 26 @ 1.0%

SAN T/P: 619.18
WM INV: 620.72

SAN MH
RIM = 627.05
INV = 620.85 (N)

STM INLET
RIM = 626.85
INV = 619.65 (N)

STA 42+57 2.1' LT
MANHOLES, SANITARY, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 627.2
8" INV. = 618.51 (E,W)
6" INV. = 618.51 (N)

12" STORM SEWER

15" STORM SEWER

24" STORM SEWER

66" STORM SEWER

2" WATER SERVICE

EX ℄ OAKTON STREET

6100
OAKTON

STA 43+54 47.1' LT
MANHOLES, SANITARY, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 626.89
6" INV. = 619.03

SAN T/P: 618.97
WM INV: 620.72

SAN MH
RIM = 626.95

94 FT - SAN SEW PVC
(D3034) SDR 26, 8" @ 0.4%

45 FT - SAN SEW 6"
PVC SDR 26 @ 2.0%

STA 43+54 2.1' LT
MANHOLES, SANITARY, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 626.9
8" INV. = 618.13 (E,W)
6" INV. = 618.13 (N)

6060
OAKTON

SAN MH
RIM = 626.89

WM VALVE
RIM = 626.62

WM VALVE
RIM = 626.52

10' MIN (TYP)

168 FT - SAN SEW PVC (D3034) SDR 26, 8" @ 0.4%

STA 45+26 38.0' LT
SANITARY MH, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 626.24
6" INV. = 618.06

SAN T/P: 618.30
WM INV: 620.23

6040
OAKTON

WM VALVE
RIM = 626.14
TP = 620.54

30 FT - SAN SEW 6"
PVC SDR 26 @ 2.0%

STA 45+26 2.3' LT
MANHOLES, SANITARY, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 626.4
8" INV. = 617.46 (E,W)
6" INV. = 617.46 (N)

STM MH
RIM = 626.20

MATCHLINE STA 45+50
SEE SHEET 5 OF 5 ANPNP02

N

0 20' 40'
GRAPHIC SCALE

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

PROFILE
SURVEYED
PLOTTED
PROFILE CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

628
626
624
622
620
618
616
614
612

STA 40+76
STA 41+08
STA 42+57
STA 43+54
STA 45+26

EX GROUND PROFILE

12" STORM
INV = 621.50

15" STORM
INV = 622.00

EX 12" WM

12" STORM
INV = 623.40

PR 8" SAN

12" WM
INV = 620.60

8" WM
INV = 620.93

619.67
619.12
619.12
618.51
618.51
618.13
618.13
617.46
617.46

40+00
41+00
42+00
43+00
44+00
45+00

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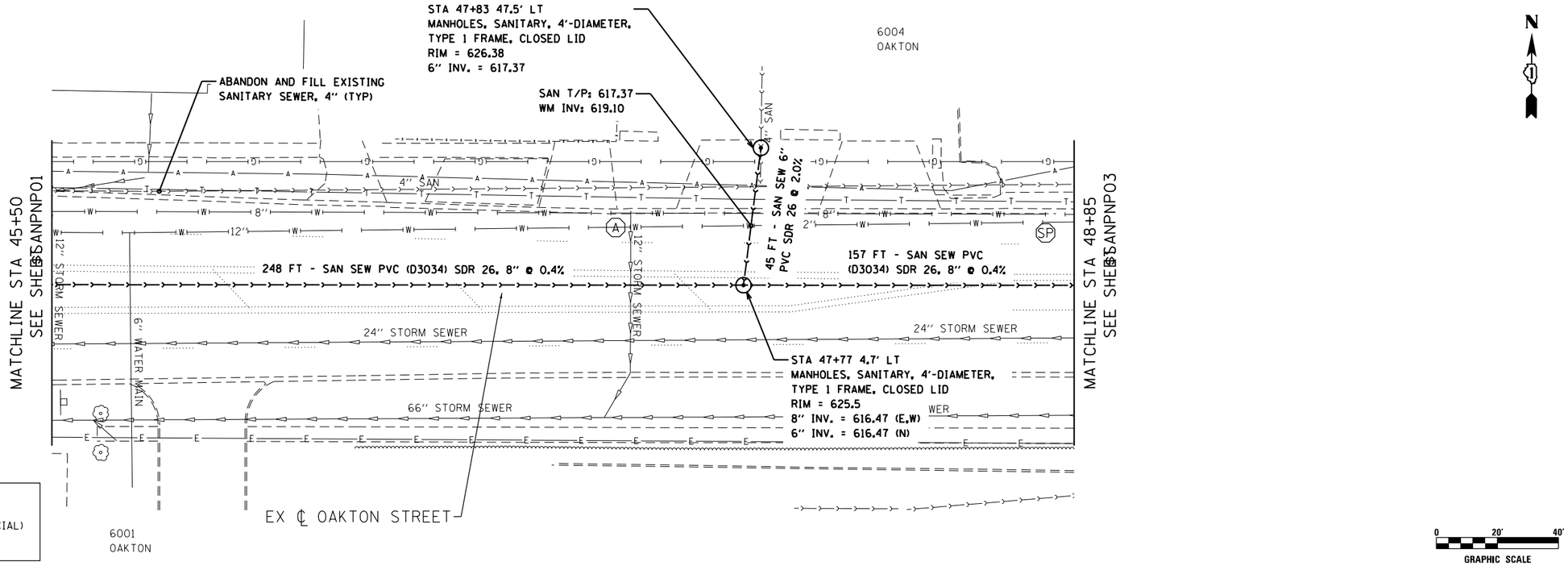
USER NAME = Roadway	DESIGNED - AMD	REVISED -
	DRAWN - AMD	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LAM	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANITARY SEWER AND UTILITIES PLAN AND PROFILE

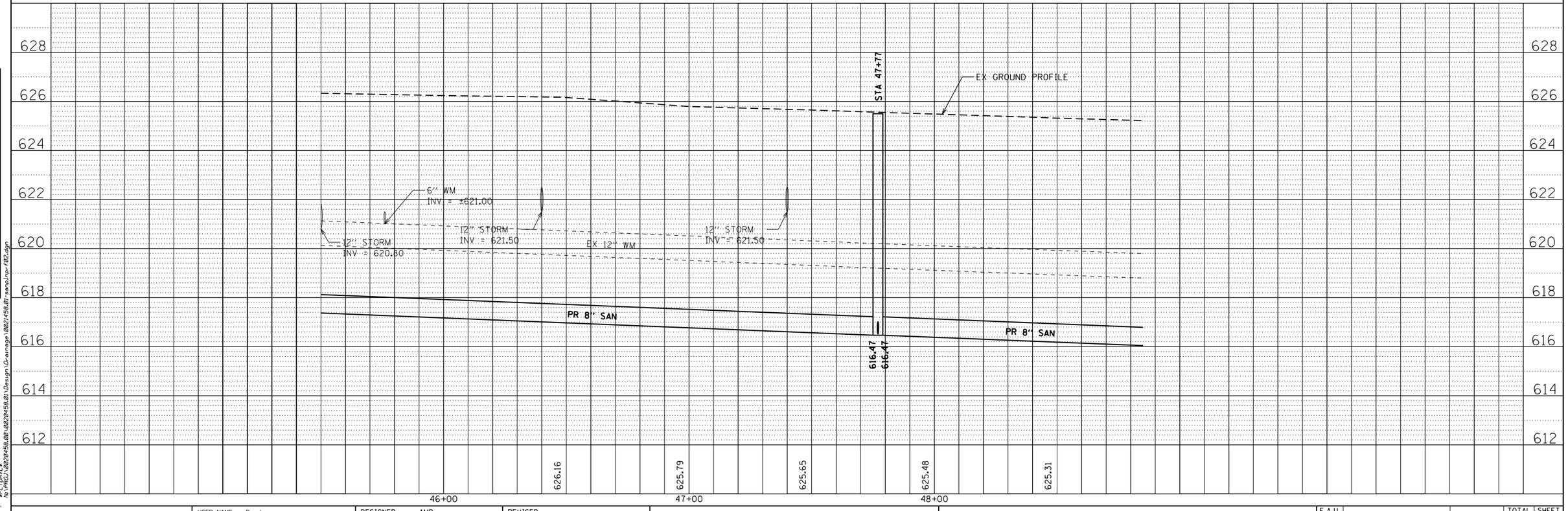
SCALE: | SHEET NO. 1 OF 3 SHEETS | STA. 40+98 | TO STA. 45+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	54
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



LEGEND

(SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)



PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADE CHECKED, BM. NOTED, STRUCTURE NO(S)TA'NS CHKD, NOTE BOOK, NO., BY, DATE

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USER NAME = Roadway	DESIGNED - AMD	REVISED -
	DRAWN - AMD	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LAM	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANITARY SEWER AND UTILITIES PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 2 OF 3 SHEETS | STA. 45+50 TO STA. 48+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	55
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

ABANDON AND FILL EXISTING SANITARY SEWER, 4" (TYP)

STA 49+38 2.6' LT
MANHOLES, SANITARY, 4'-DIAMETER,
TYPE 1 FRAME, CLOSED LID
RIM = 624.20
8" INV. = 615.84 (E,W)

MATCHLINE STA 48+85
SEE SHEET 5 SANPNP02

EX ℄ AUSTIN AVENUE

STA 50+20 0.0' RT
DROP SANITARY MH,
TYPE 1 FRAME, CLOSED LID
RIM = 624.55
INV. = 615.02 (W)
INV. = 610.47 (S)

27 FT - SAN SEW PVC
(D3034) SDR 26, 8" ø 1.00%

SANITARY SEWER
CONNECTION, 8", INV = 610.20

EXISTING 8" INV = 617.25
W/ INTERNAL DROP TO ±609.00

EXISTING 8" INV = ± 609.00

EXISTING 12" INV = ± 608.00

EXISTING MWRD INTERCEPTOR
CONNECTION MANHOLE
RIM = 624.50

82 FT - SAN SEW PVC
(D3034) SDR 26, 8" ø 1.00%

EX ℄ OAKTON STREET

EXISTING STRUCTURE INFORMATION

A	VALVE RIM = 624.73	M	STM INLET RIM = 624.66 INV = 622.06 (S)
B	WM VALVE RIM = 624.64	N	STM CB RIM = 624.24 INV = 620.44 (N)
C	VALVE RIM = 624.64	O	SAN MH RIM = 625.27
D	WM VALVE RIM = 624.42	P	WM VALVE RIM = 625.29 TP = 619.79
E	WM VALVE RIM = 624.53	Q	SAN MH RIM = 625.38 INV = 615.48 (NE)
F	STM MH RIM = 624.19 INV = 620.29 (S)	R	STM MH RIM = 625.37
G	WM VALVE RIM = 624.18	S	MANHOLE RIM = 624.88
H	WM VALVE RIM = 624.05	T	SAN MH RIM = 624.50
I	SAN MH RIM = 624.34	U	STM MH RIM = 625.03
J	SAN MH RIM = 624.52	V	SAN MH RIM = 625.37 INV = 607.97 (W)
K	WM VALVE RIM = 624.64	W	SAN MH RIM = 642.16 INV = 618.36 (SW)
L	WM VALVE RIM = 624.08		

N

0 20' 40'
GRAPHIC SCALE

EX GROUND PROFILE

℄ AUSTIN AVE

STA 49+38

STA 50+20

12" STORM
INV = 621.36

24" STORM
INV = 620.20

EX 12" WM

8" WM
INV = 618.80

ABANDONED
8" WM
INV = 618.80

EXISTING MWRD INTERCEPTOR
CONNECTION MANHOLE

NORTH WALL
EXISTING 8" INVERT = 617.25
WITH INTERNAL DROP TO ±609.00

PR 8" SAN

615.84
615.84

615.02

610.47
610.41

PROPOSED 8" SANITARY
SEWER CONNECTION
INV = 610.20

NORTH WALL
EXISTING 8" INVERT ±609.00

625.18 625.04 624.85 624.76 624.77 624.76 624.71 624.68 624.71 624.69

49+00 50+00 51+00 52+00 53+00

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, DUAL NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

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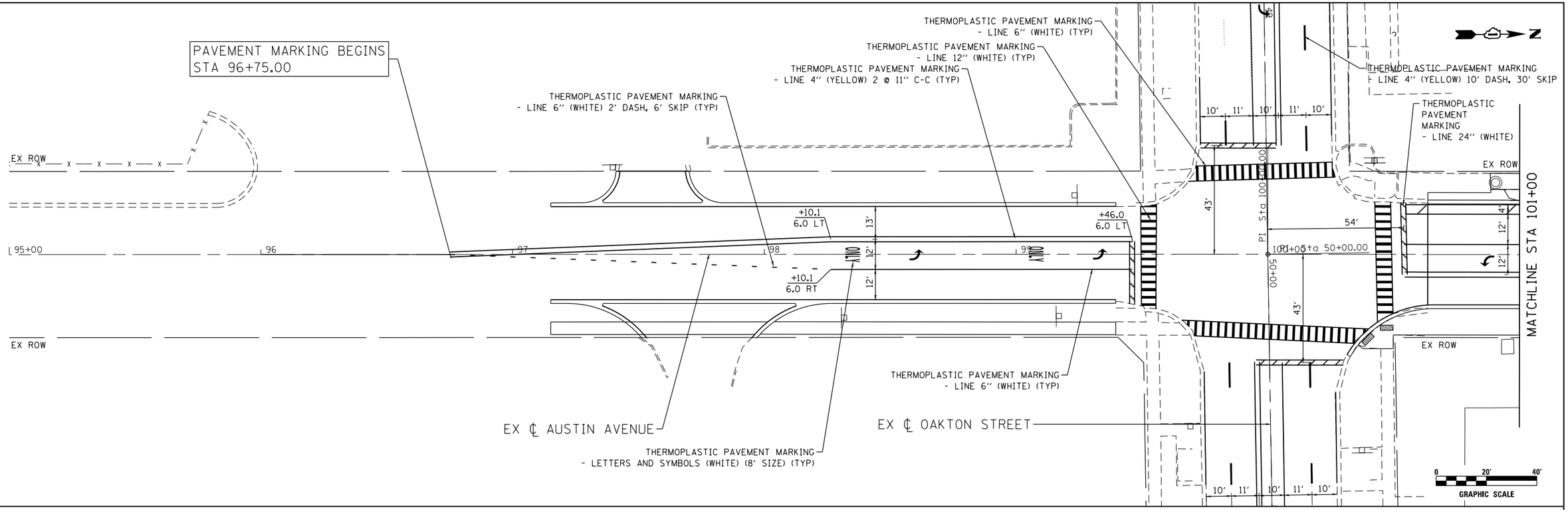
USER NAME = Roadway	DESIGNED - AMD	REVISED -
	DRAWN - AMD	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LAM	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

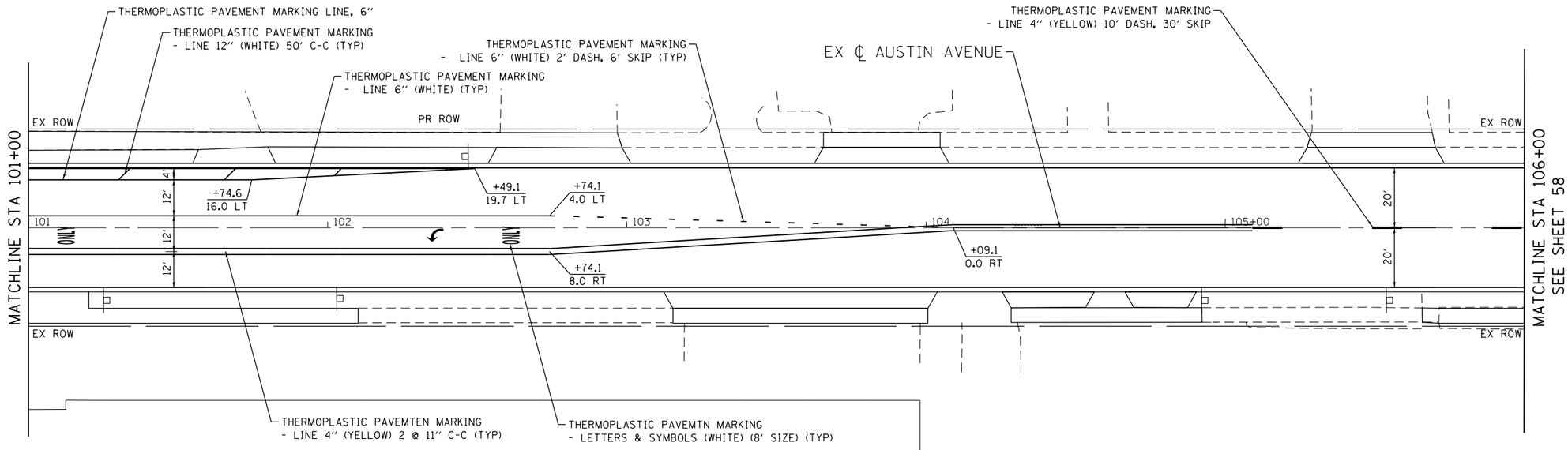
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANITARY SEWER AND UTILITIES PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 3 OF 3 SHEETS | STA. 48+85 | TO STA. 53+40

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	56
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





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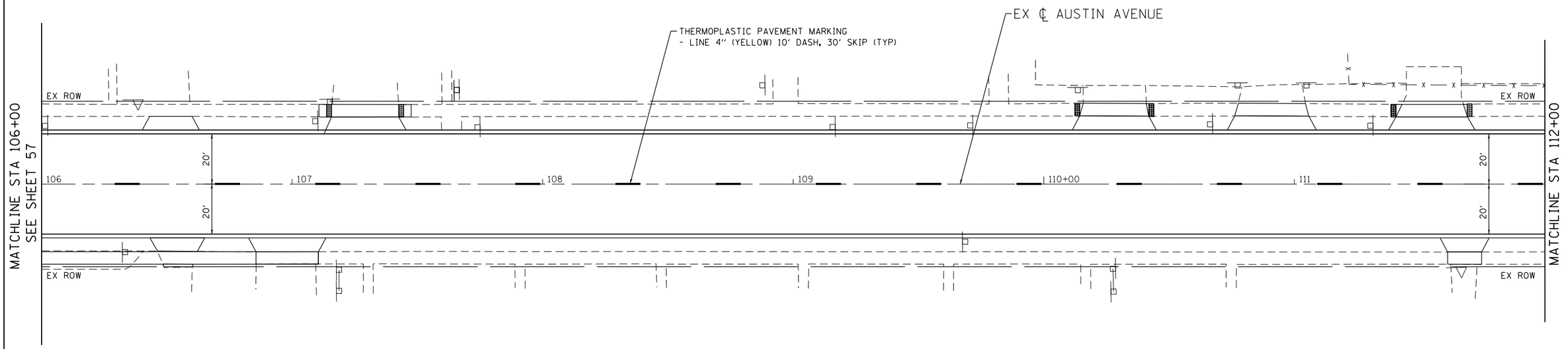
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

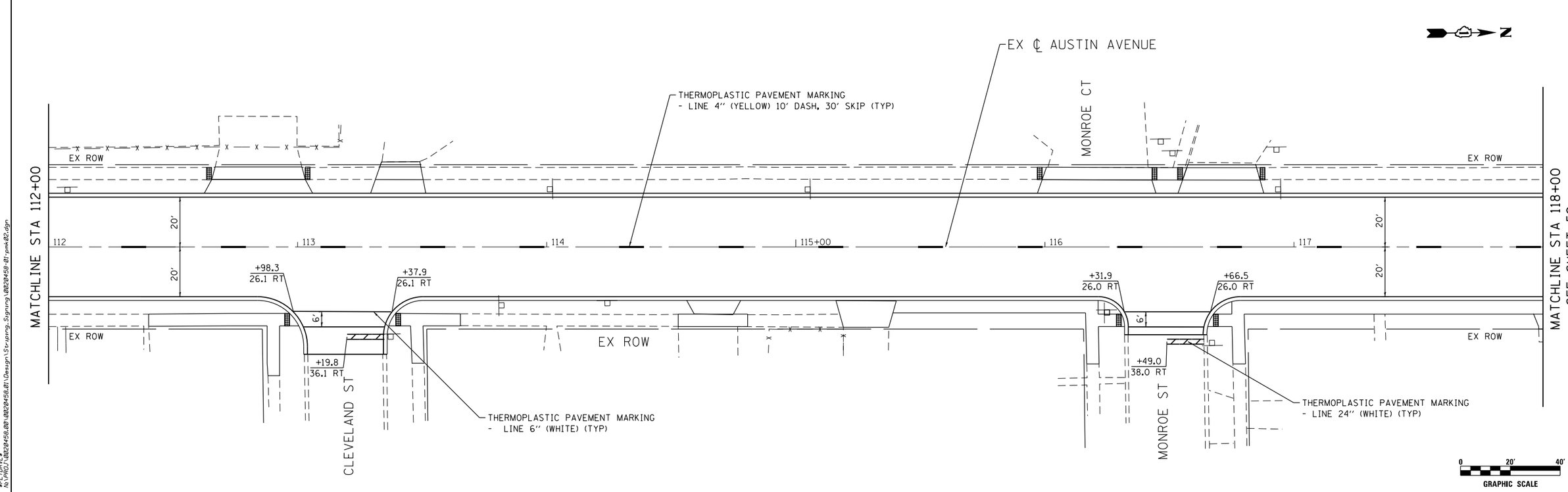
SCALE: 1" = 20' | SHEET NO. 1 OF 6 SHEETS | STA. 96+75 | TO STA. 106+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	57
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



0 20' 40'

GRAPHIC SCALE



0 20' 40'

GRAPHIC SCALE

DATE PLOTTED = 12/28/2023 6:38:39 AM
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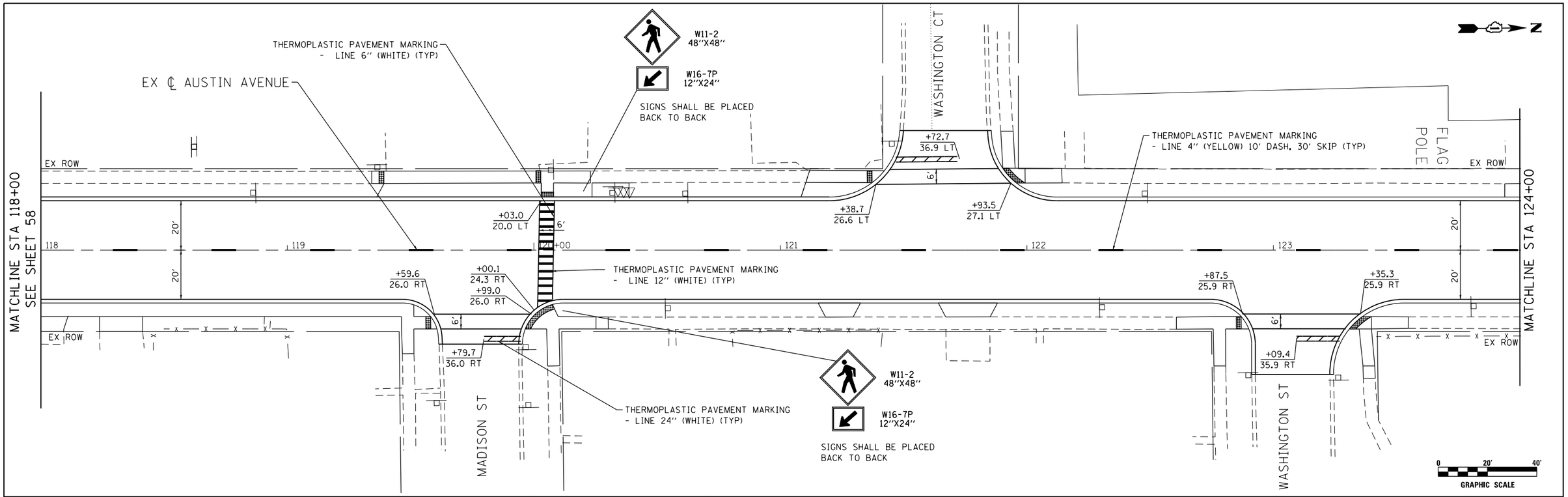
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

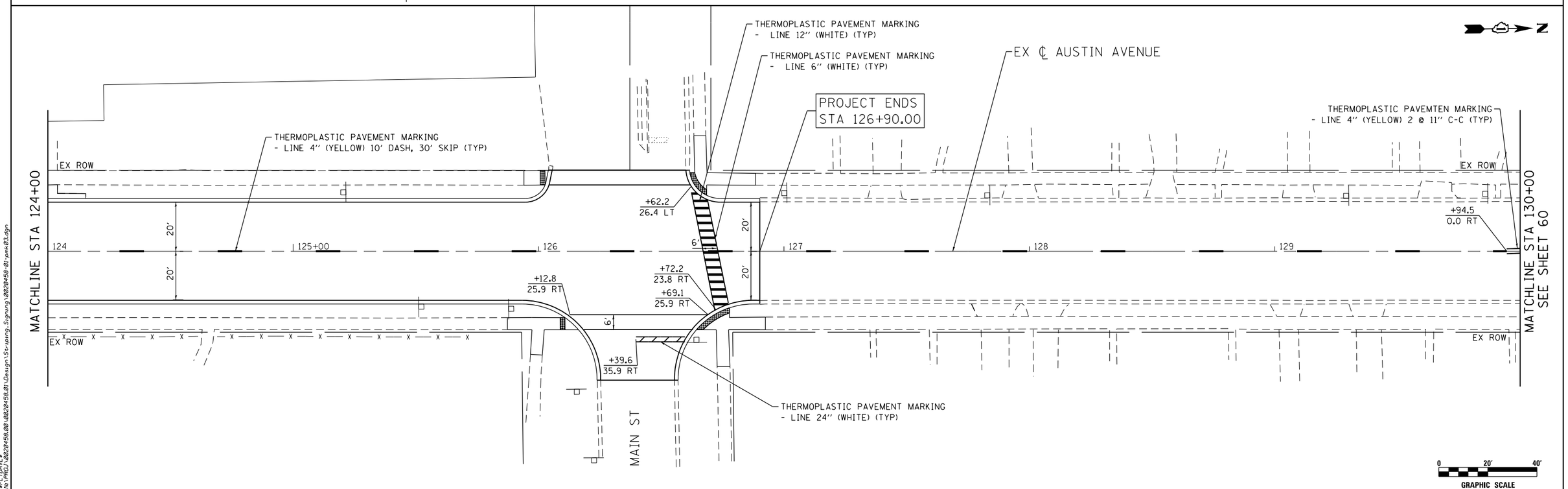
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 20' | SHEET NO. 2 OF 6 SHEETS | STA. 106+00 TO STA. 118+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	58
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





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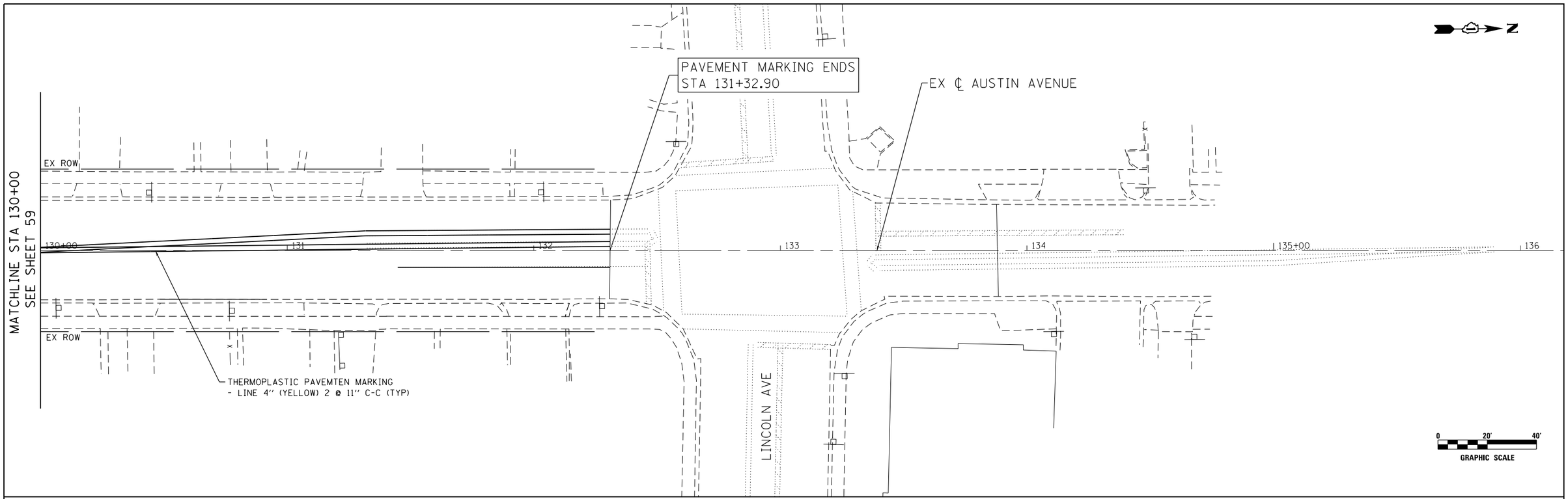
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 20' | SHEET NO. 3 OF 6 SHEETS | STA. 118+00 | TO STA. 130+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	59
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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USER NAME = Roadway	DESIGNED - EPS	REVISED -
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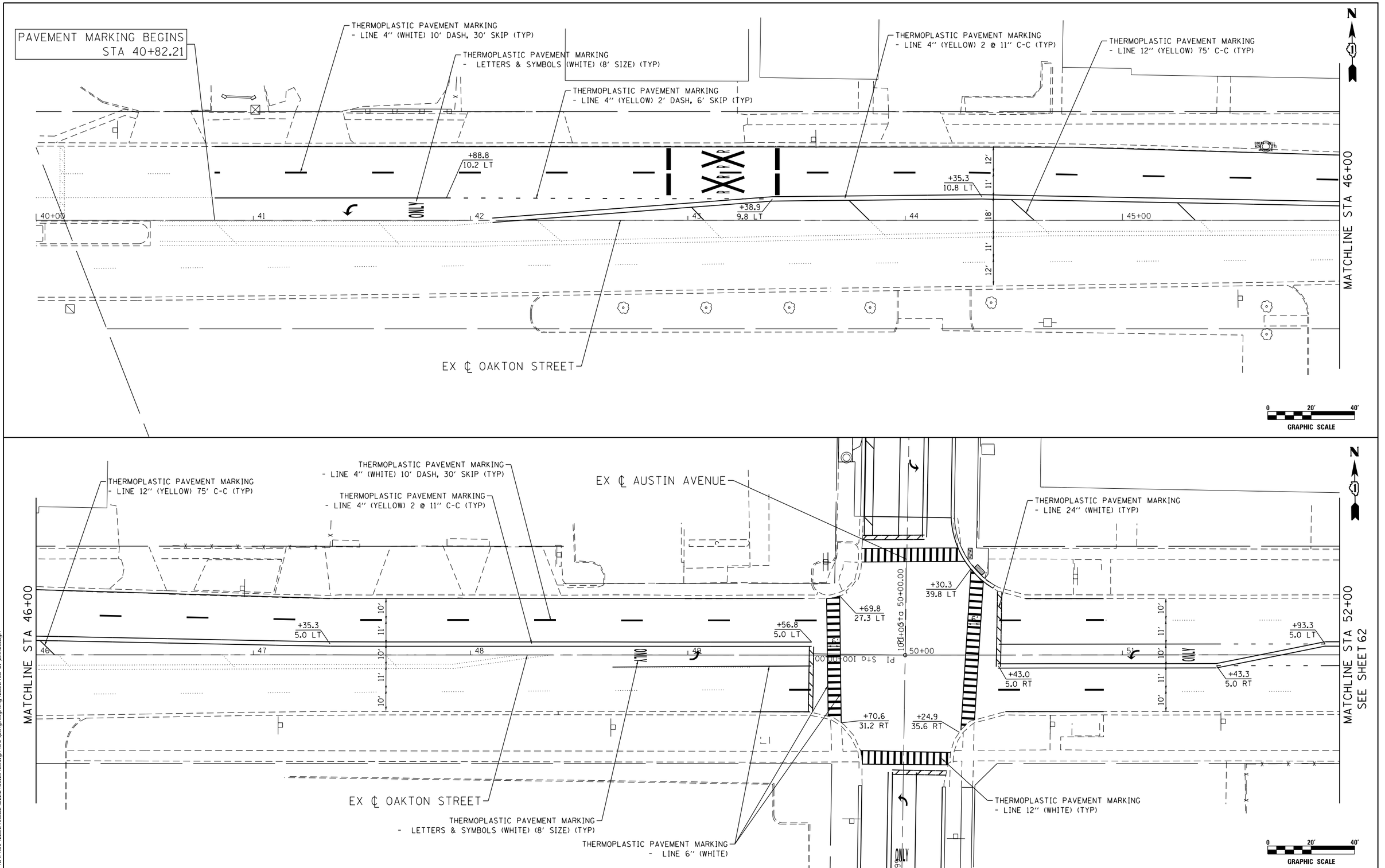
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: | SHEET NO. 4 OF 6 SHEETS | STA. 130+00 | TO STA. 131+32

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	60
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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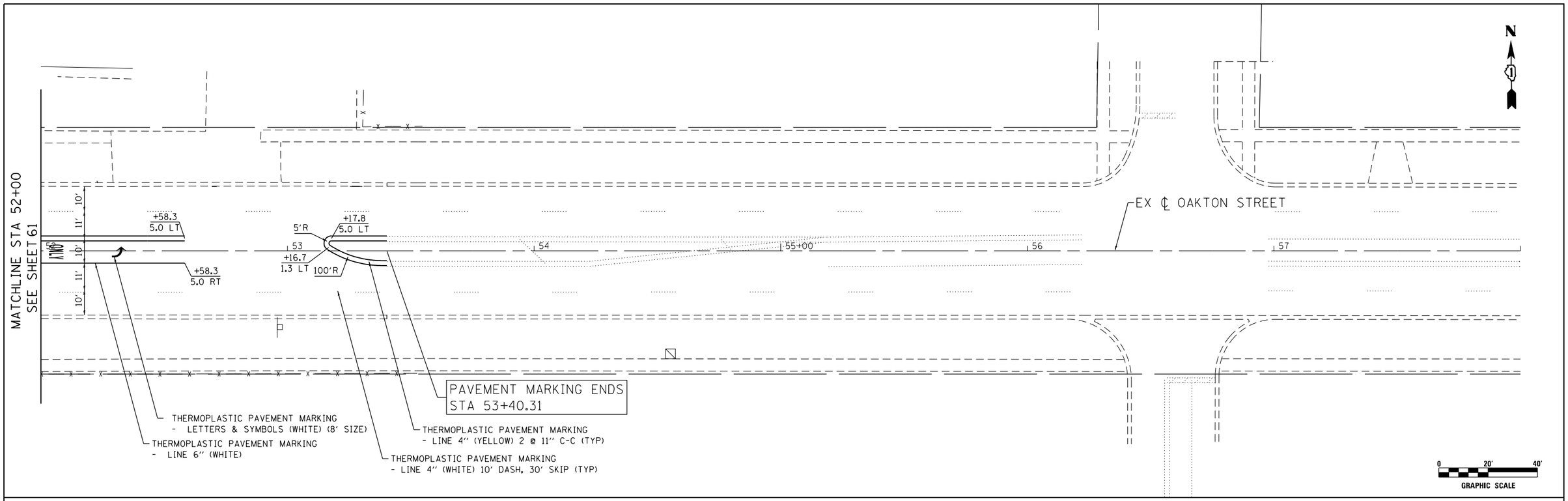
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1'' = 20' | SHEET NO. 5 OF 6 SHEETS | STA. 44+04 | TO STA. 52+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	61
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - AMH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

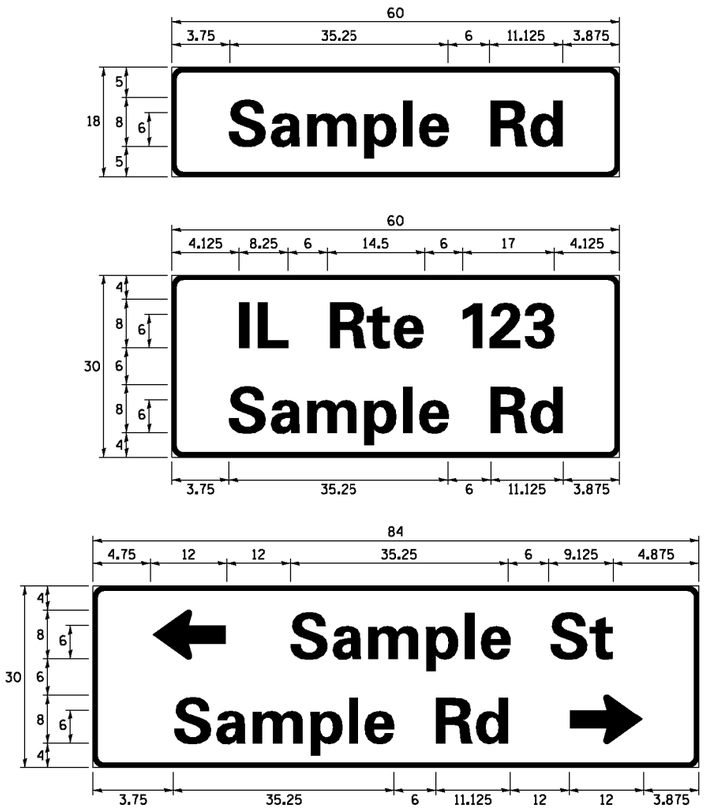
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1'' = 20' | SHEET NO. 6 OF 6 SHEETS | STA. 52+00 | TO STA. 53+40

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	62
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.

2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)

3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE ¾" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.

4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.

5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.

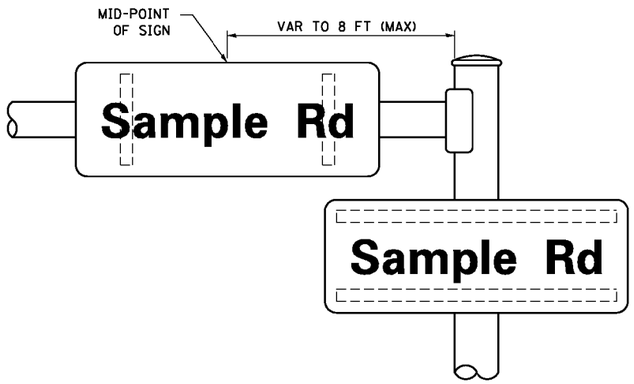
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:	PARTS LISTING:	
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA	SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
	SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
- WESTERN REMAC, INC. WOODRIDGE, IL	BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

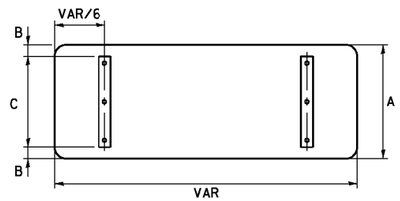
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

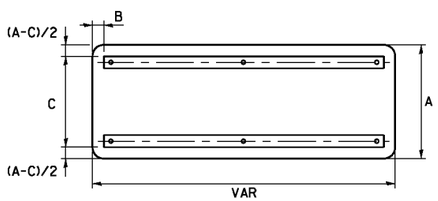
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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Default	PLOT DATE = 7/31/2015	CHECKED - IP	REVISED -	
		DATE - 10/01/2014	REVISED -	

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	63
	TS-02	CONTRACT NO. 61D77		
	ILLINOIS FED. AID PROJECT			

ts02.dgn 7/31/2015 11:17:05 AM User:drivekosgn

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P	P
SAMPLING (SYSTEM) DETECTOR	S	S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS	IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS	QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	CD	CD
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1*G	1*6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6*18	6*18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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		DRAWN - IP	REVISED -
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Default	PLOT DATE = 9/29/2016	DATE - 9/29/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	64
	TS-05	CONTRACT NO. 61D77		
	ILLINOIS	FED. AID PROJECT		

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.

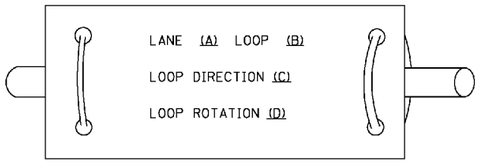
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

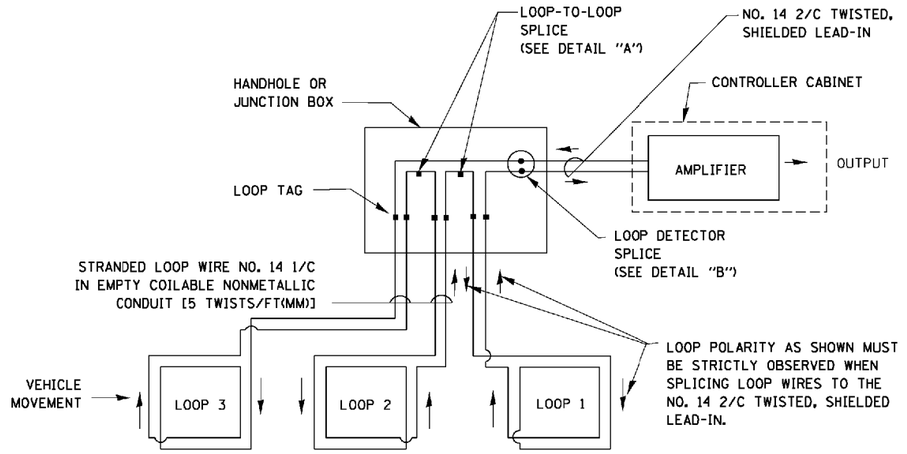


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

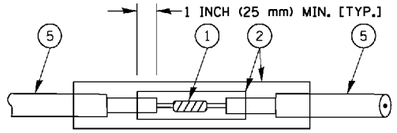
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

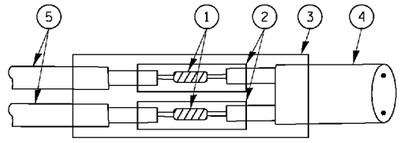


DETECTOR LOOP WIRING SCHEMATIC

- 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.

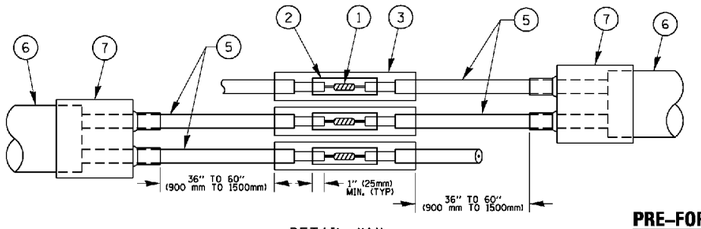


DETAIL "A"
LOOP-TO-LOOP SPLICE



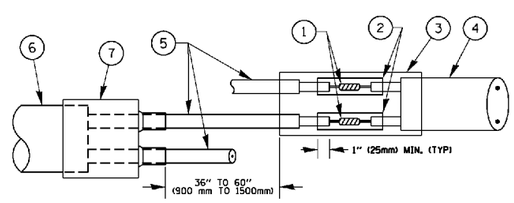
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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 LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

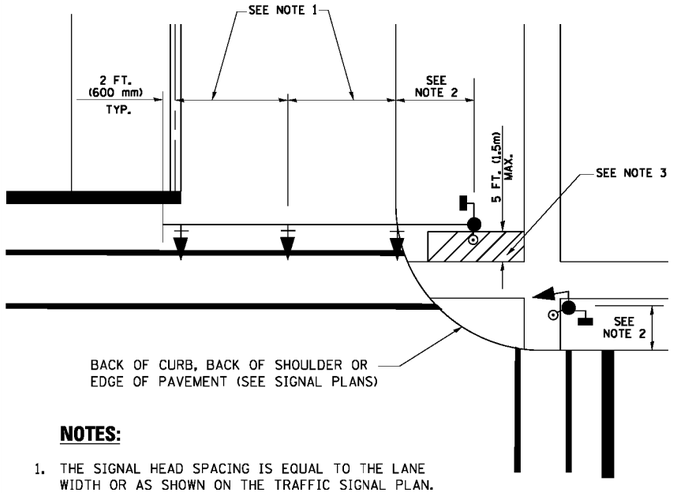
(6) PRE-FORMED LOOP

(7) XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME = c:\pw_work\pwidot\footemj\d0108315\ts05.dgn	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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000 ' / in.	DRAWN - BCK	REVISED -					2791	12-00106-00-PV	COOK	125	65
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -						TS-05	CONTRACT NO. 61D77		
		DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

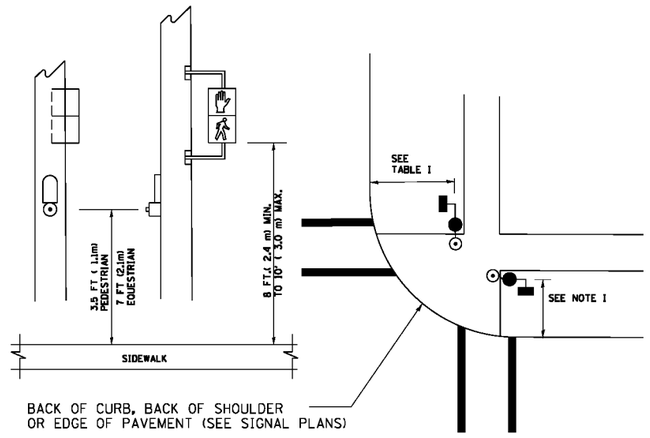
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

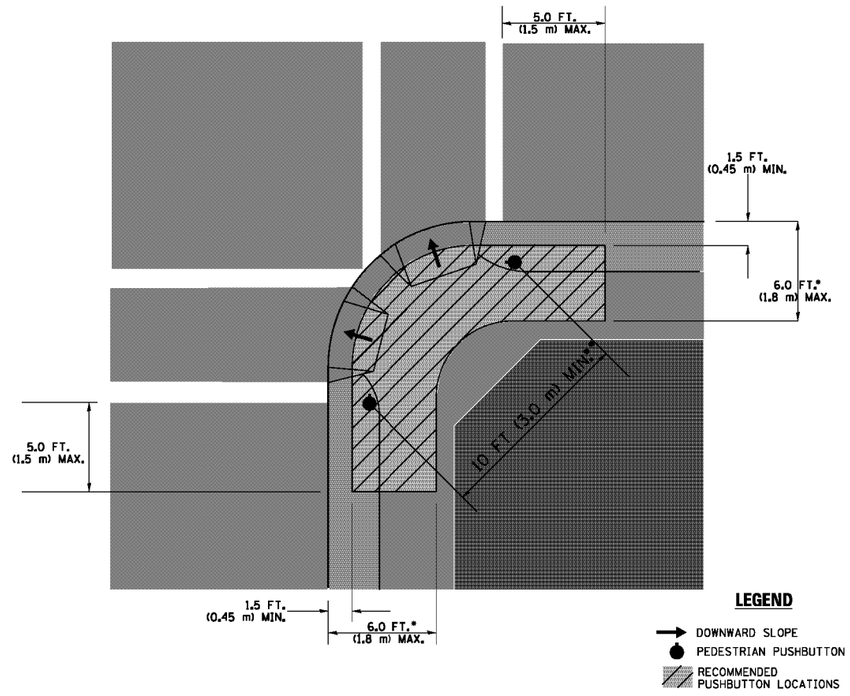
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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 CJRRENT 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 TOTHE 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.

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		DRAWN - BCK	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 3 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	66
	TS-05	CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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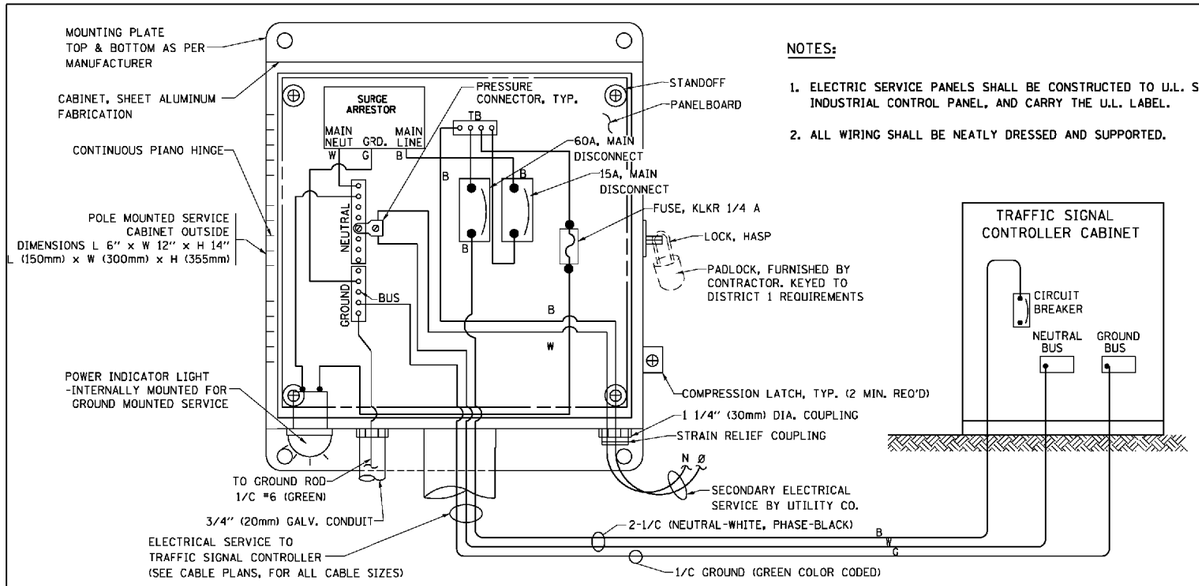
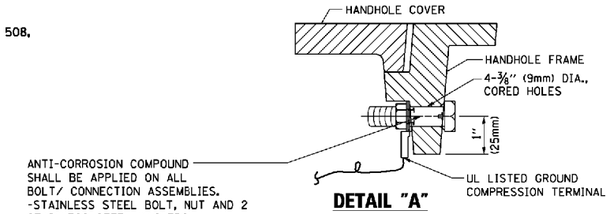


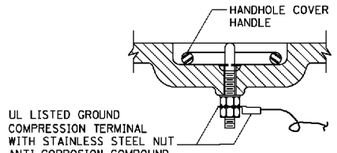
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

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



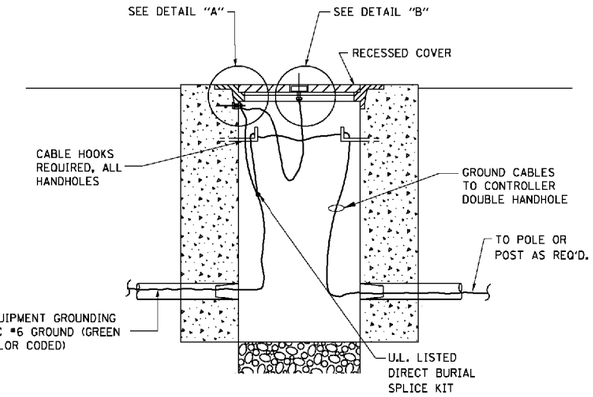
DETAIL "A"



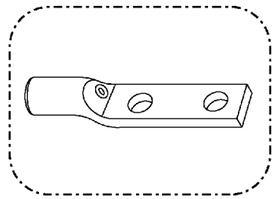
DETAIL "B"

NOTES:
GROUNDING SYSTEM

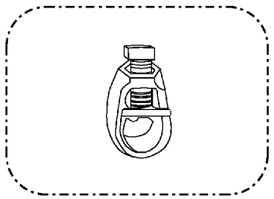
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS, THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, 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)



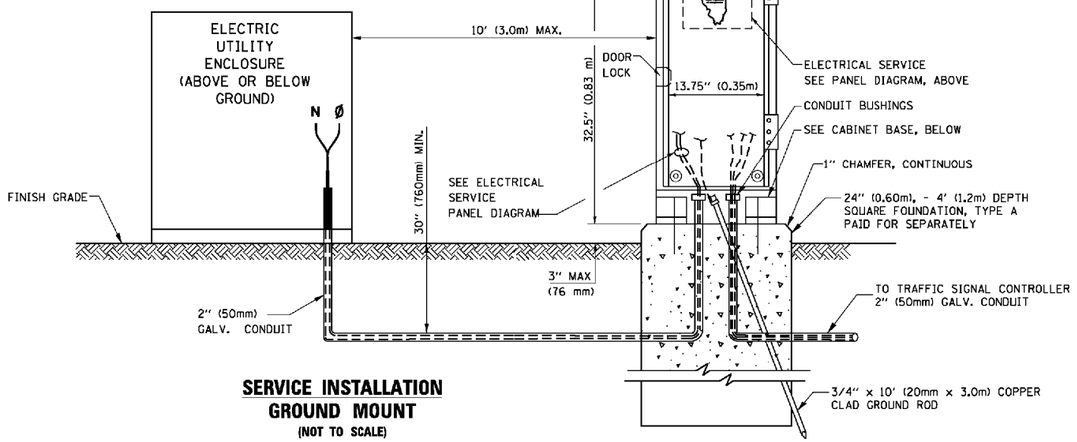
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



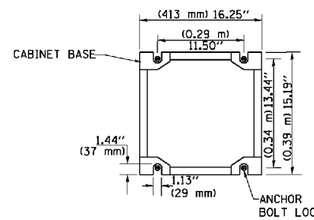
¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

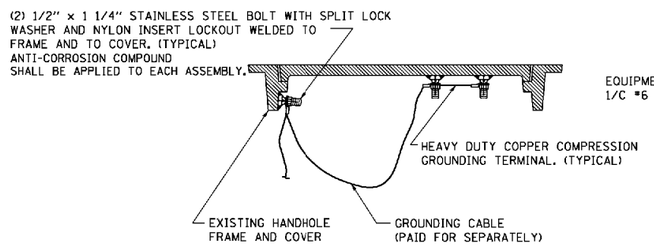
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



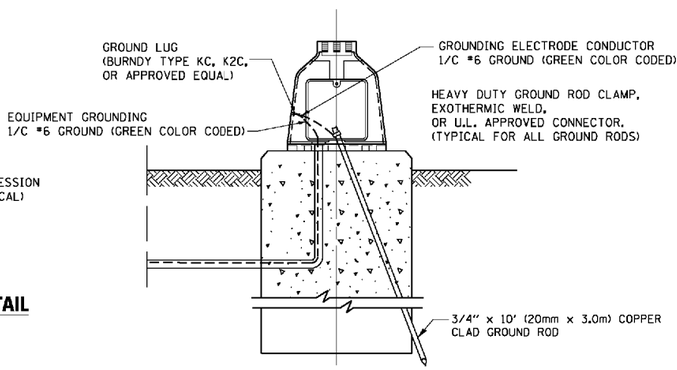
SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)



CABINET – BASE BOLT PATTERN
(NOT TO SCALE)



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



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

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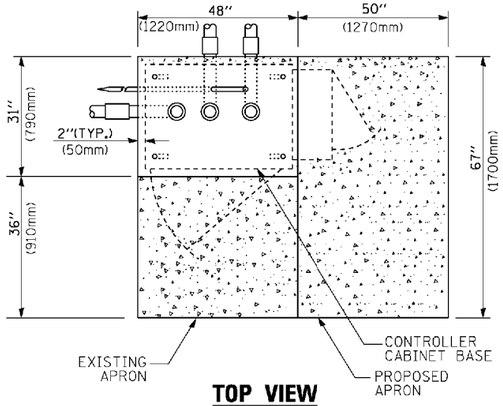
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

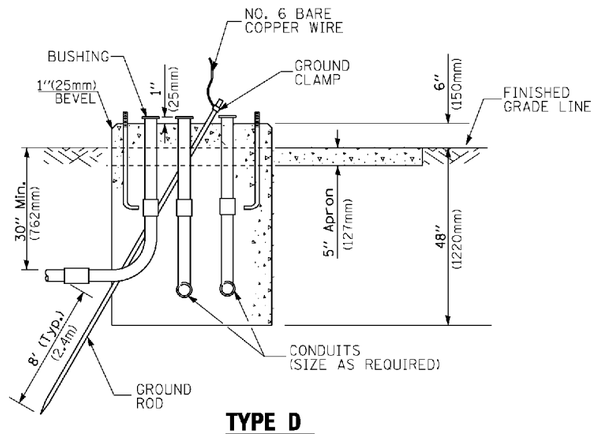
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 4 OF 7 SHEETS | STA. | TO STA.

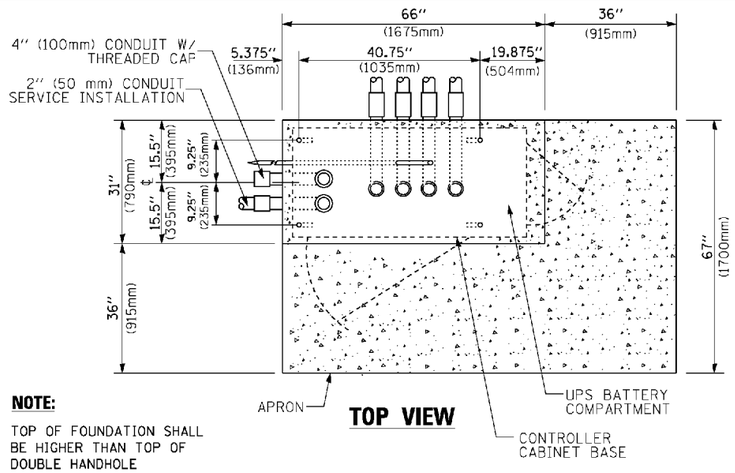
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	67
	TS-05	CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TOP VIEW



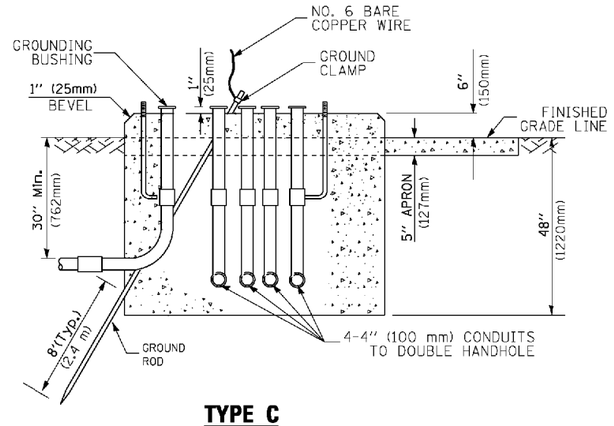
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



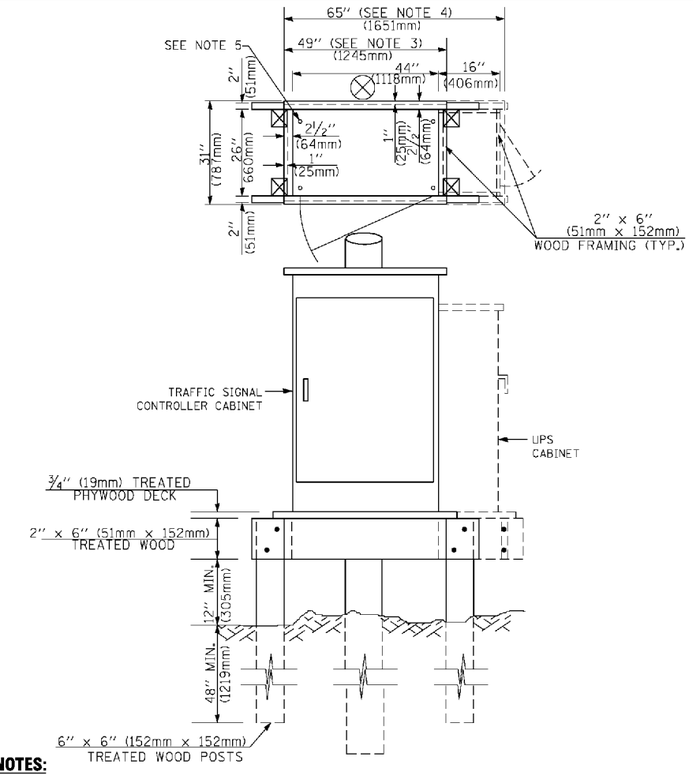
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



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



NOTES:

1. 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
2. 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.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. 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.
6. 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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. 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.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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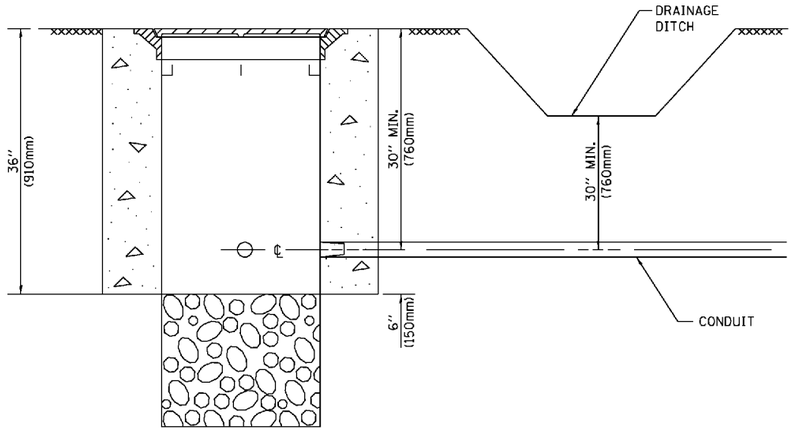
		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 5 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	68
	TS-05	CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

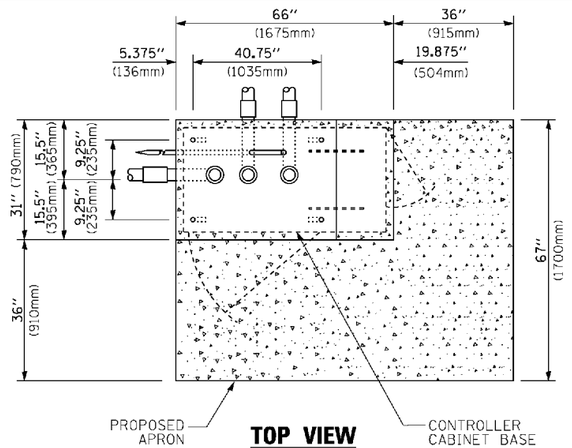


NOTES:

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.

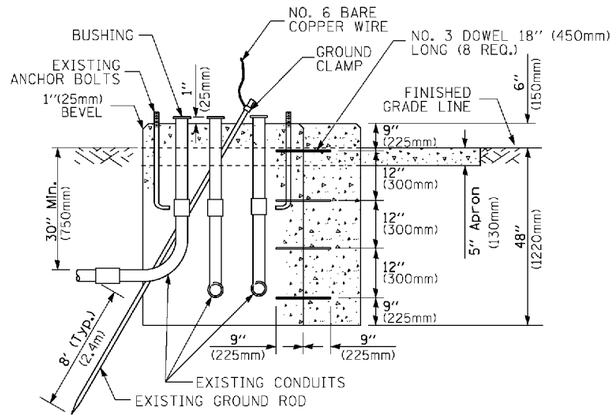
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



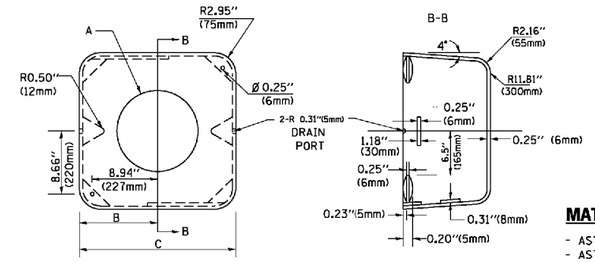
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL:

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

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

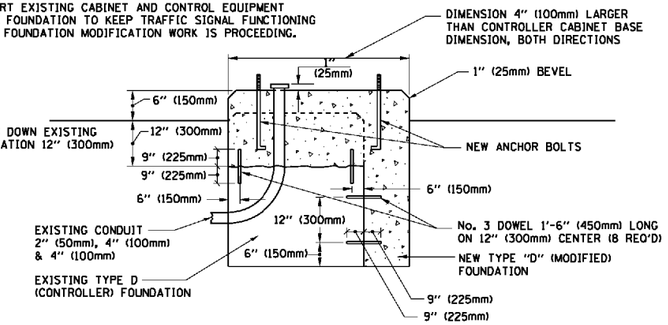
SHROUD

NOTES:

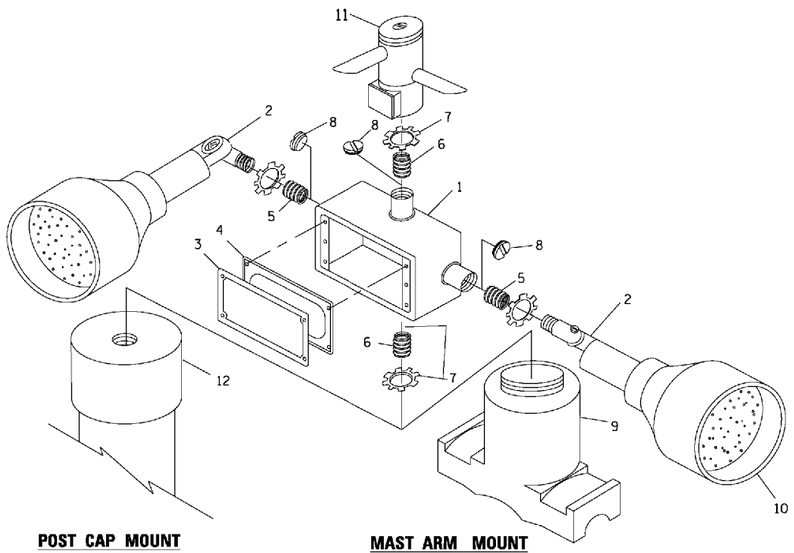
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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



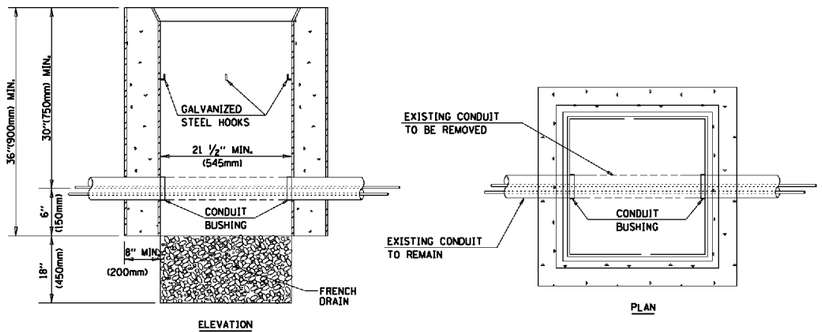
POST CAP MOUNT **MAST ARM MOUNT**

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	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(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.

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



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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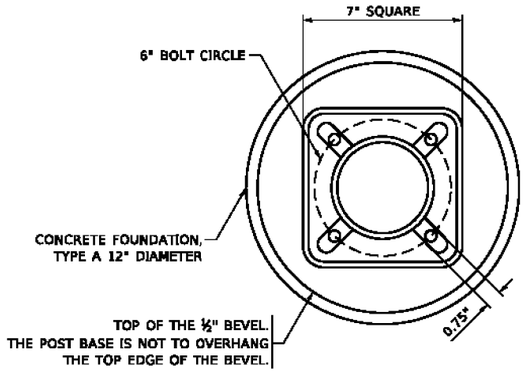
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

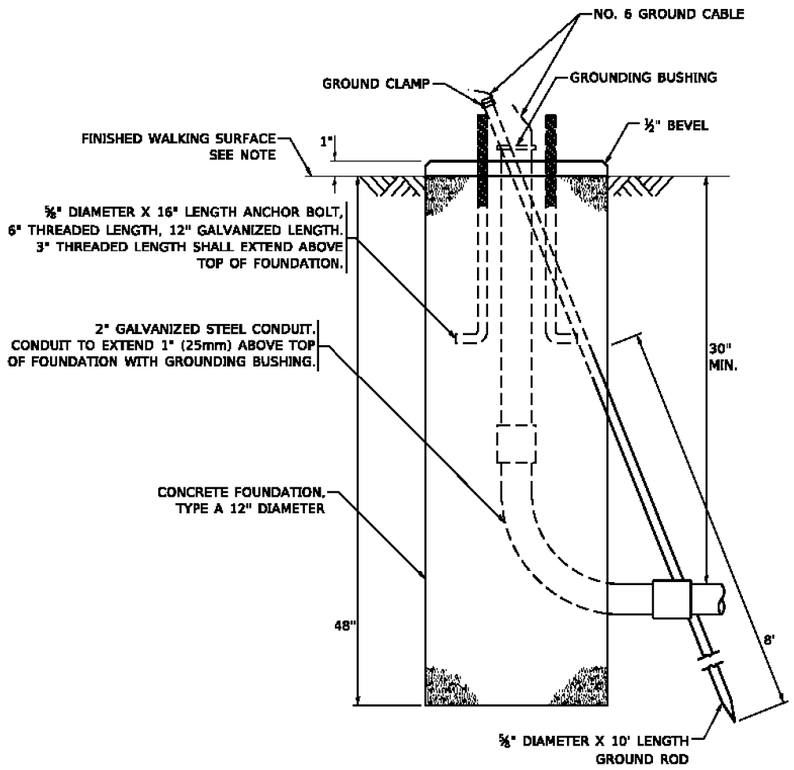
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	69
	TS-05	CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



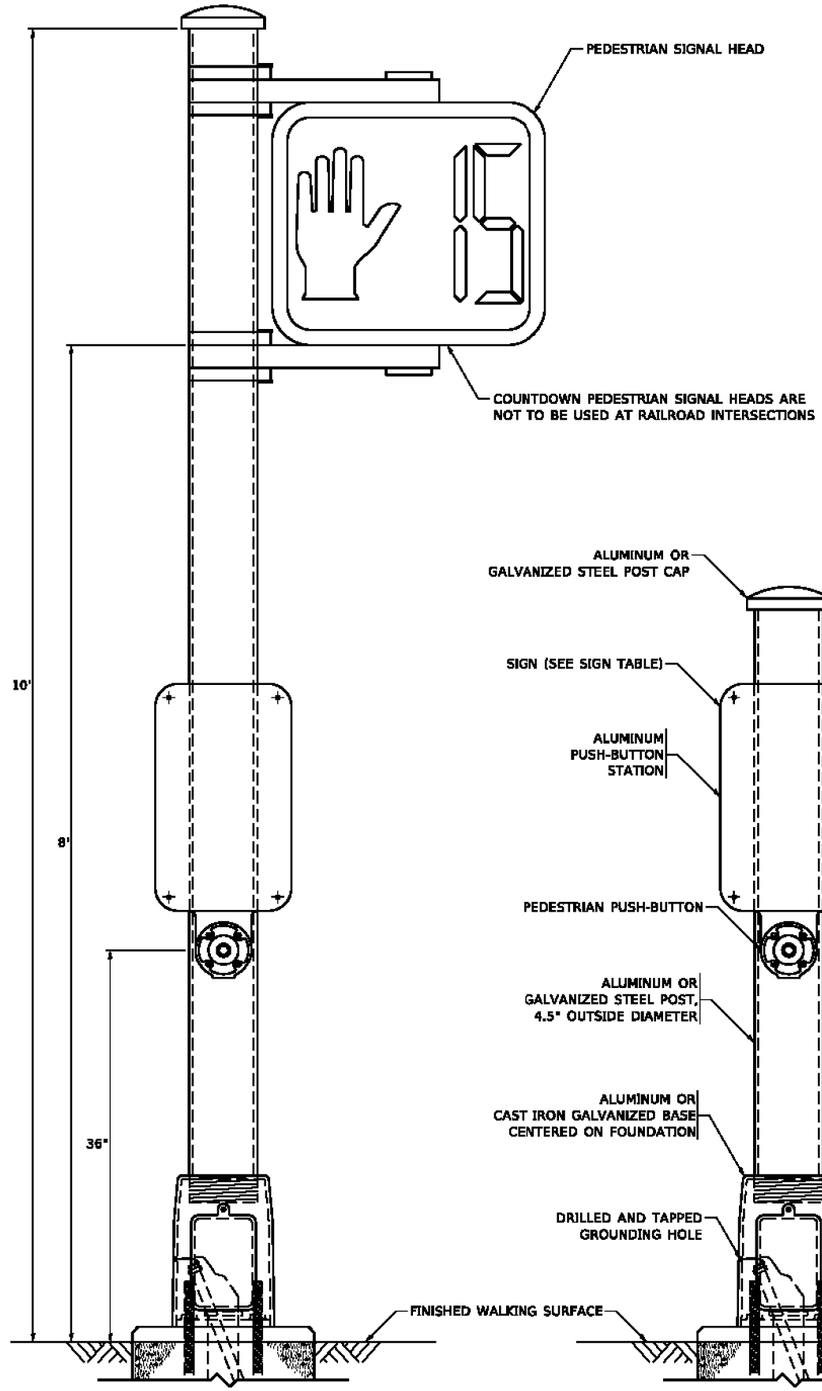
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



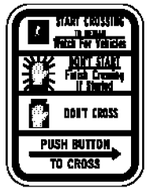
CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



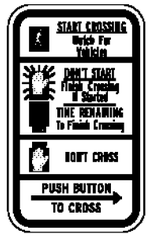
PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.

R10–3b



R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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	DRAWN - IP	REVISED -	
PLOT SCALE = 100.0000 ' / In.	CHECKED - LP	REVISED -	
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -	

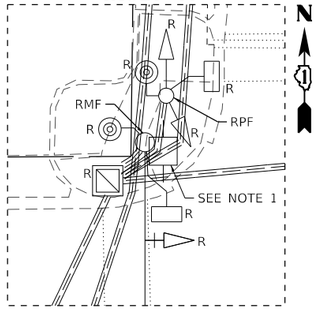
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	70
	TS-05	CONTRACT NO. 61D77		
		ILLINOIS	FED. AID PROJECT	

INSET 'A'



(ONLY REMOVALS SHOWN)

NOTES:

1. REMOVE ABANDONED WOOD UTILITY POLE. PLACE TEMPORARY WOOD POLE IN THE SAME LOCATION AS THE REMOVED POLE.

PRE-STAGE SHOWN

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE SPARE PART DEPARTMENT. CONTACT JOHN BROWN AT MEADE ELECTREIC TO SCHEDULE DELIVERY.

1	EACH	CONTROLLER AND CABINET (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPERNSE. THE SALVAGE VAUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4	EACH	STEEL MAST ARM ASSEMBLY AND POST
4	EACH	TRAFFIC SIGNAL POST
10	EACH	3-SECTION SIGNAL HEAD
4	EACH	5-SECTION SIGNAL HEAD
8	EACH	PEDESTRIAN SIGNAL HEAD
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION
6	EACH	TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER.

2	EACH	CONFIRMATION BEACON
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

0 20' 40'
GRAPHIC SCALE

TS 14325
EAGLE 80

CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
OAKTON STREET AT AUSTIN AVENUE

SCALE: 1"=20' | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	71
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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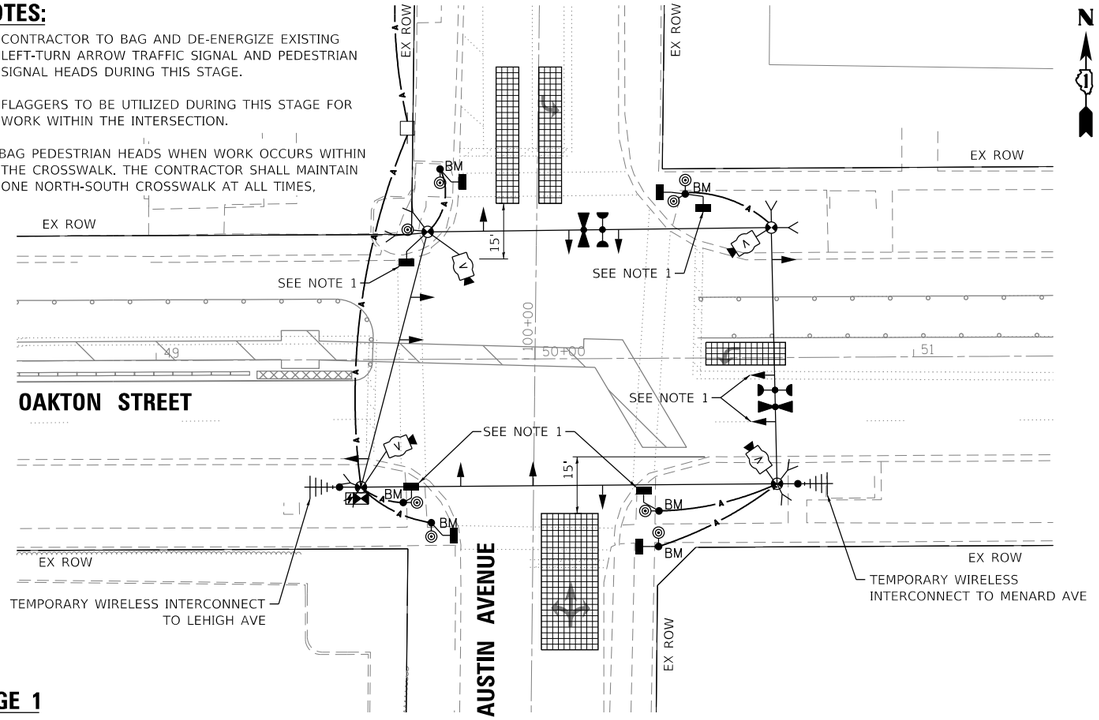
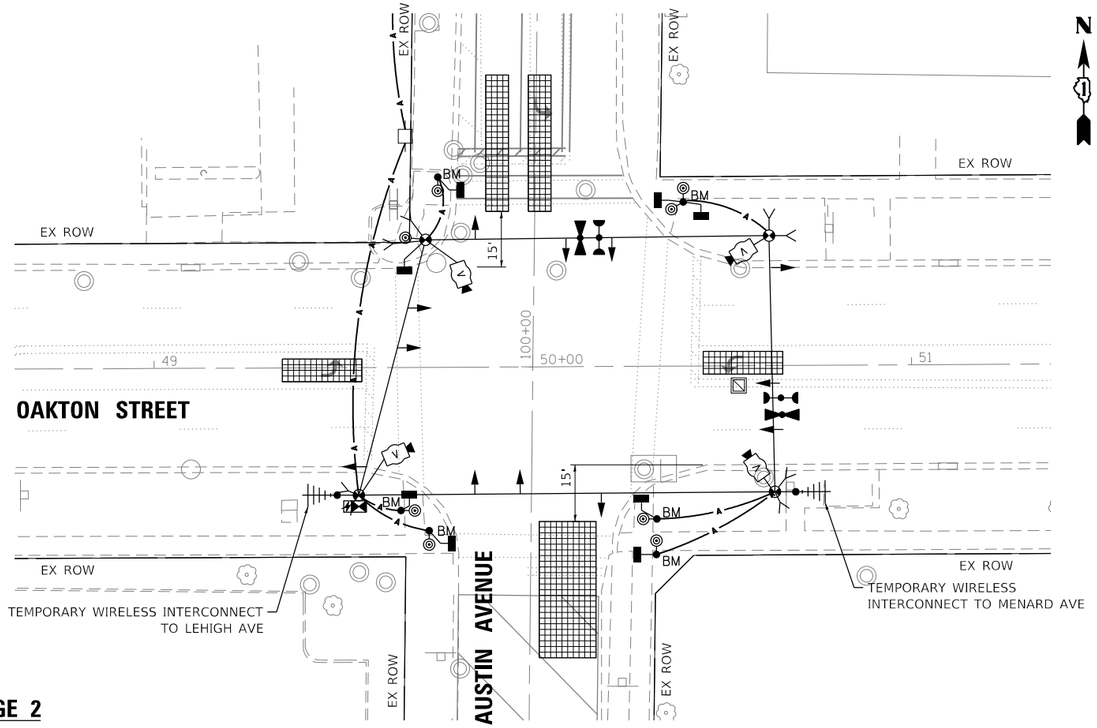
NOTES:

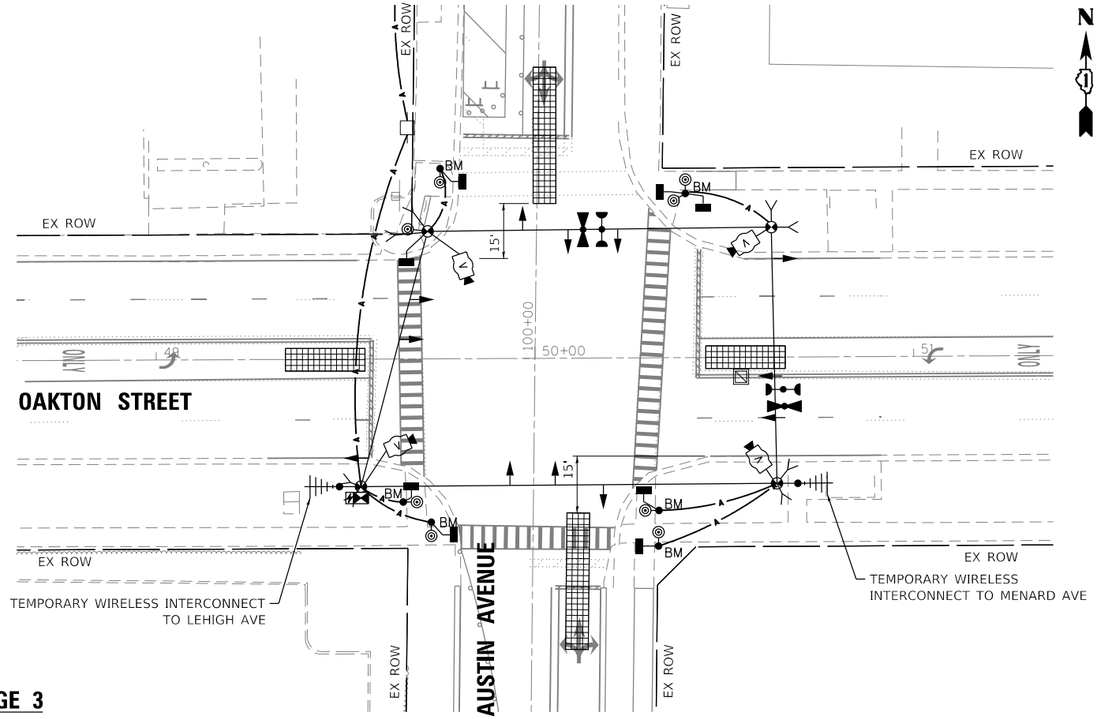
1. CONTRACTOR TO BAG AND DE-ENERGIZE EXISTING LEFT-TURN ARROW TRAFFIC SIGNAL AND PEDESTRIAN SIGNAL HEADS DURING THIS STAGE.
2. FLAGGERS TO BE UTILIZED DURING THIS STAGE FOR WORK WITHIN THE INTERSECTION.
3. BAG PEDESTRIAN HEADS WHEN WORK OCCURS WITHIN THE CROSSWALK. THE CONTRACTOR SHALL MAINTAIN ONE NORTH-SOUTH CROSSWALK AT ALL TIMES,



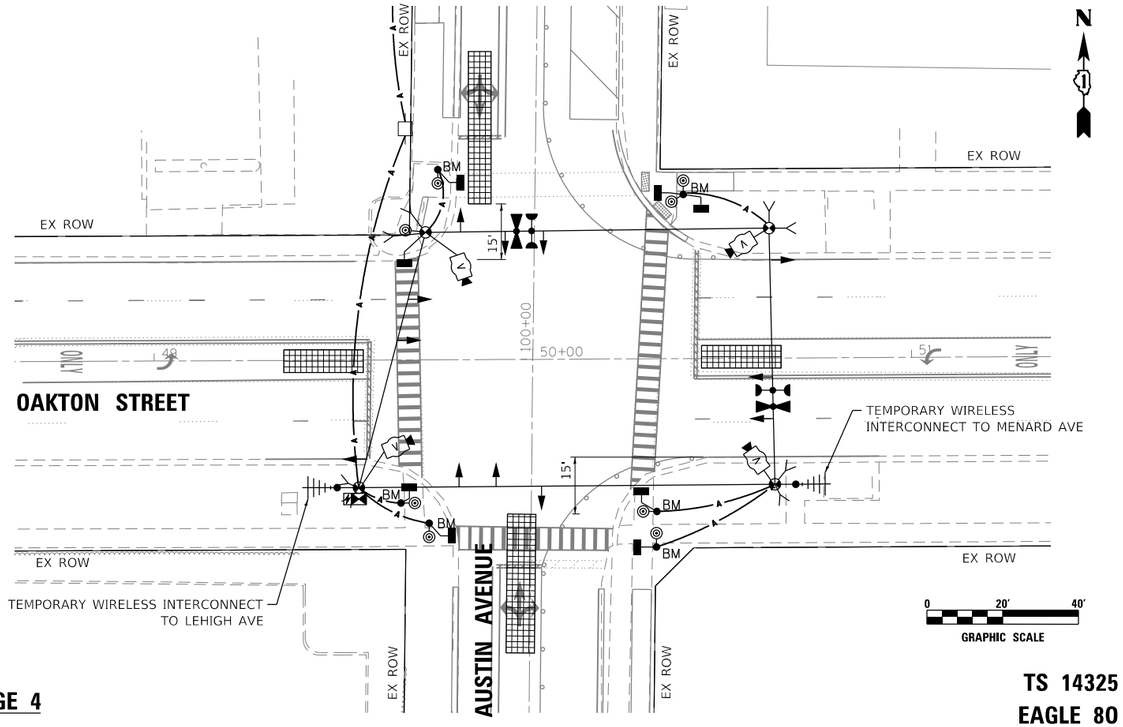
STAGE 1



STAGE 2



STAGE 3



STAGE 4

TS 14325
EAGLE 80

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8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

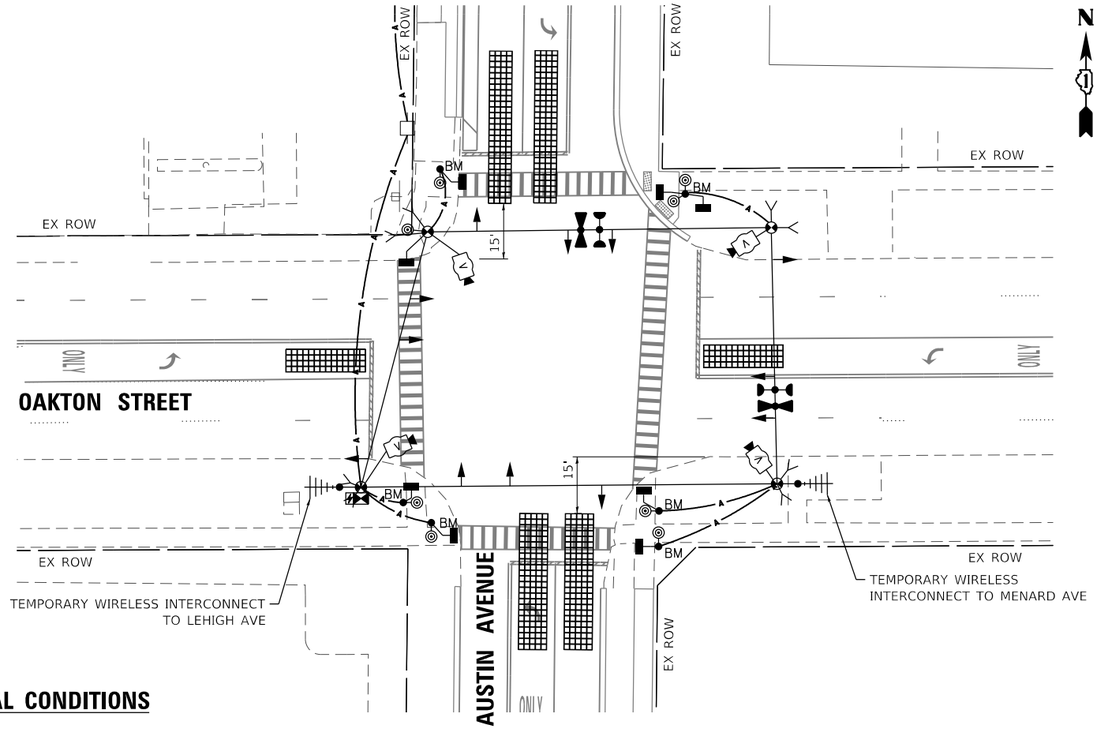
USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 1/4/2024	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
OAKTON STREET AT AUSTIN AVENUE

SCALE: 1"=20' | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	72
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



FINAL CONDITIONS

0 20' 40'

GRAPHIC SCALE

TS 14325

EAGLE 80

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USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
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PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

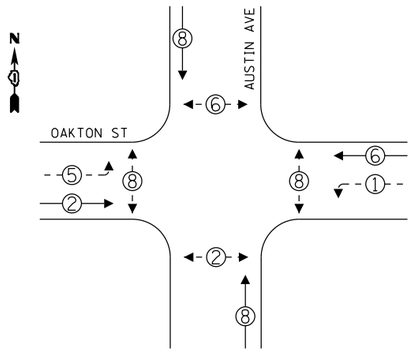
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
OAKTON STREET AT AUSTIN AVENUE

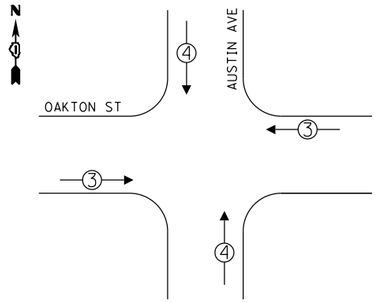
SCALE: 1"=20' | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	73
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TEMPORARY CONTROLLER SEQUENCE
PRE–STAGE, STAGE 2,3,4



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

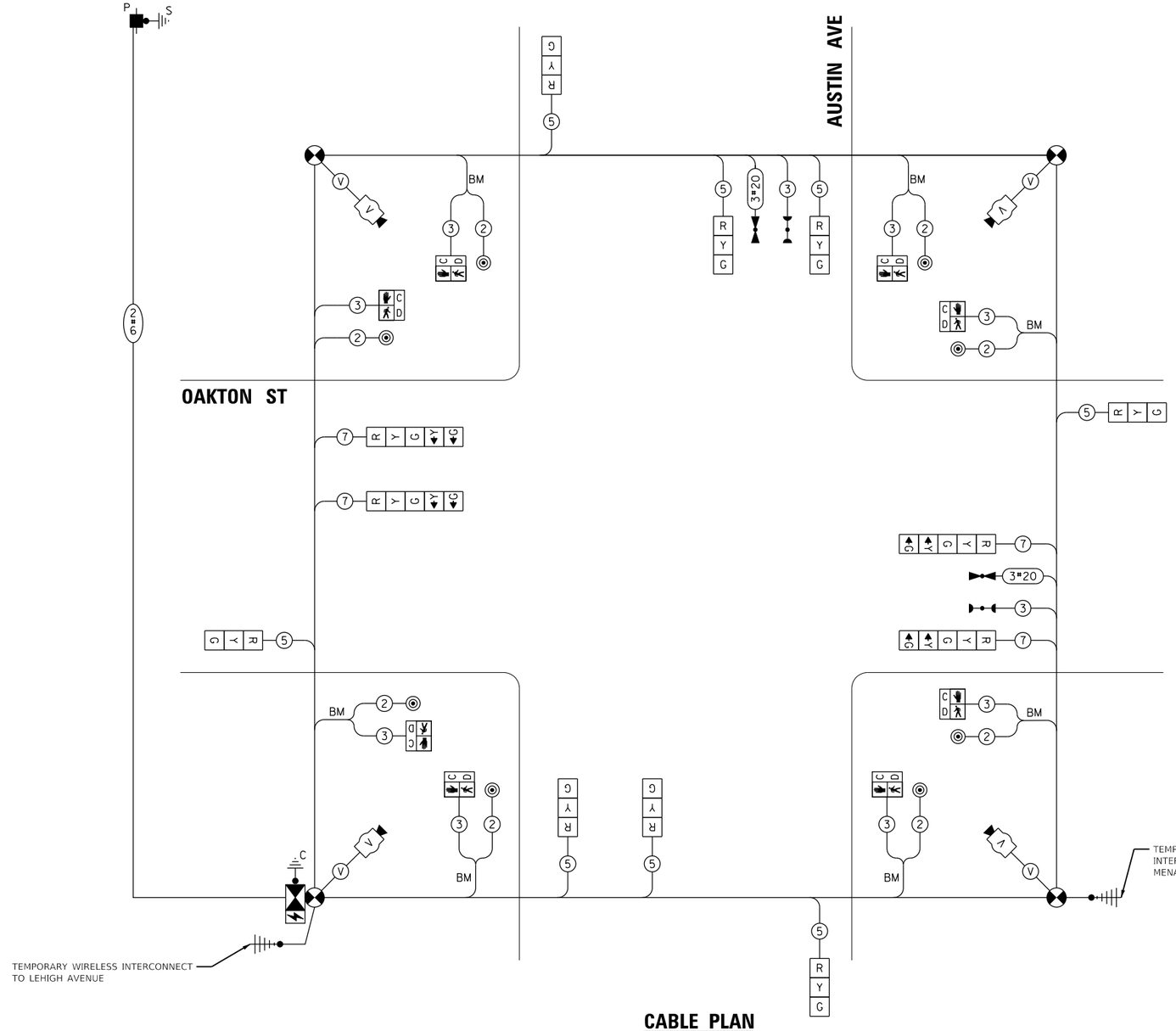


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
Type	Quantity	Unit Wattage	Total Wattage
Signal Head 3 - Section	8	11	88
4 - Section	-	14	-
5 - Section	4	13	52
Programmable Signals			
3 - Section	-	22	-
4 - Section	-	32	-
5 - Section	-	28	-
Ped. Signal	8	15	120
Controller	1	150	150
Master Controller	-	100	-
UPS	1	25	25
Detection Radar	-	20	-
Video	4	20	80
Blank-Out Sign	-	25	-
Network Switch II or III	-	35	-
Cellular Modem	-	15	-
TOTAL UPS SIZING			515
UPS Charging	1	225	225
Battery Heater Mat	1	180	180
Cabinet Heater	1	200	200
Flasher	-	15	-
LED Street Name Sign	-	120	-
Luminaire	-	240	-
TOTAL SERVICE WIRE SIZING			1120

ENERGY COSTS TO:
VILLAGE OF MORTON GROVE
6101 CAPULINA AVENUE
MORTON GROVE, IL 60053
ENERGY SUPPLY
CONTACT: AXL DAVIS
PHONE: (773) 231-2969
COMPANY: COMMONWEALTH EDISON
ACCOUNT: 08781-15014



CABLE PLAN
(NOT TO SCALE)

TS 14325
EAGLE 80

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USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 2.0001 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

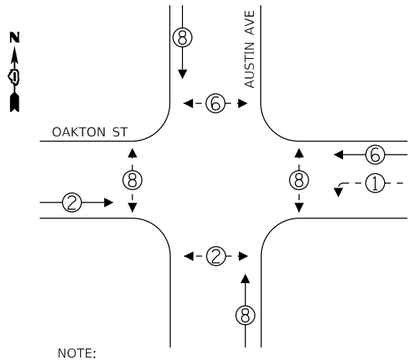
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY PREEMPTION SEQUENCE
OAKTON STREET AT AUSTIN AVENUE – PRE–STAGE, STAGE 2,3,4

SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

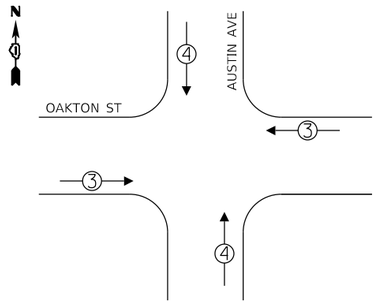
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	74
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TEMPORARY CONTROLLER SEQUENCE
STAGE 1



NOTE:
EASTBOUND LEFT TURN ARROWS SHALL BE
DEACTIVATED WHILE LEFT TURN LANE IS CLOSED.

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

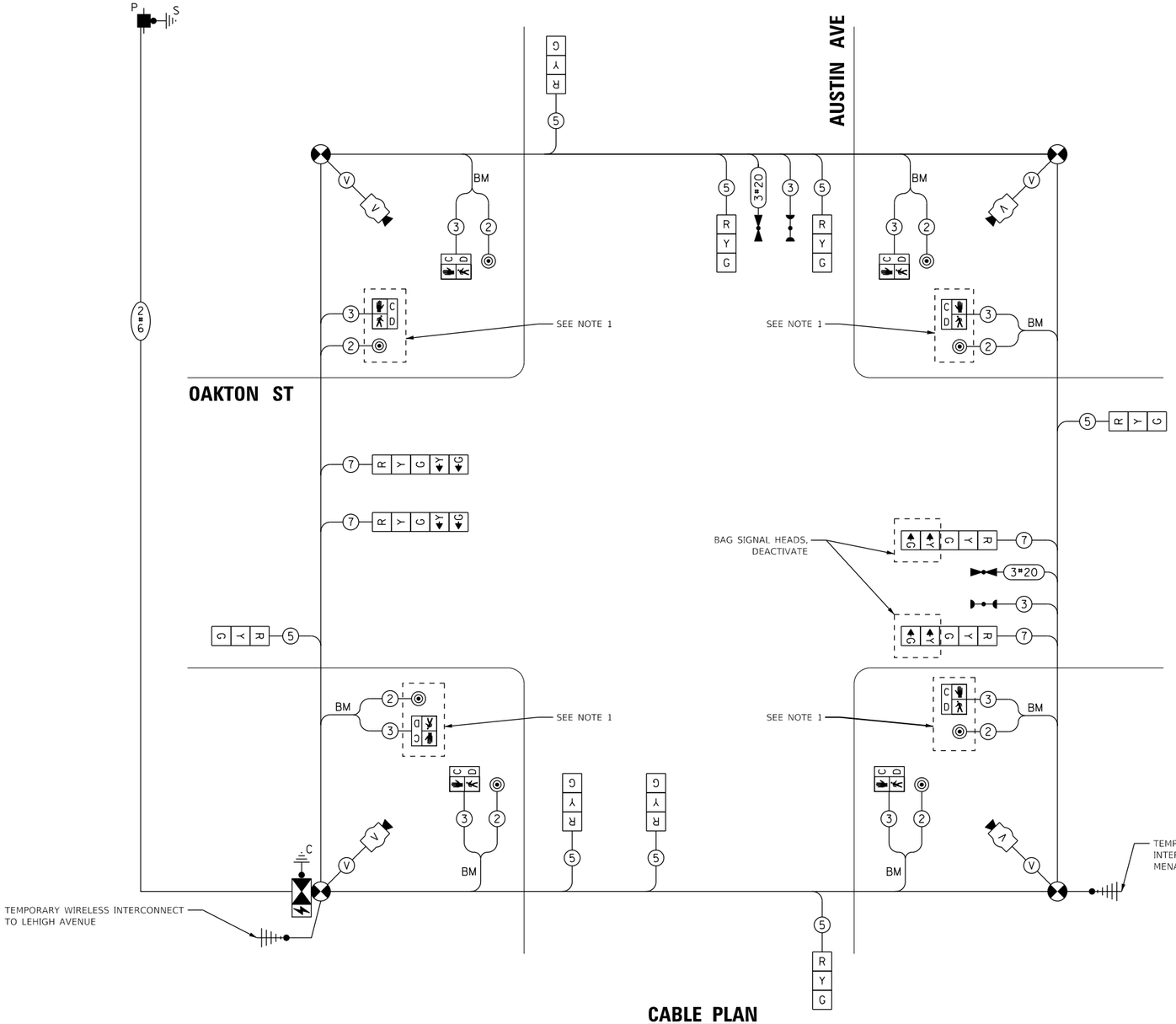


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
Type	Quantity	Unit Wattage	Total Wattage
Signal Head 3 - Section	10	11	110
4 - Section	-	14	-
5 - Section	2	13	26
Programmable Signals			
3 - Section	-	22	-
4 - Section	-	32	-
5 - Section	-	28	-
Ped. Signal	6	15	90
Controller	1	150	150
Master Controller	-	100	-
UPS	1	25	25
Detection Radar	-	20	-
Video	4	20	80
Blank-Out Sign	-	25	-
Network Switch II or III	-	35	-
Cellular Modem	-	15	-
TOTAL UPS SIZING			481
UPS Charging	1	225	225
Battery Heater Mat	1	180	180
Cabinet Heater	1	200	200
Flasher	-	15	-
LED Street Name Sign	-	120	-
Luminaire	-	240	-
TOTAL SERVICE WIRE SIZING			1086

ENERGY COSTS TO:
VILLAGE OF MORTON GROVE
6101 CAPULINA AVENUE
MORTON GROVE, IL 60053
ENERGY SUPPLY
CONTACT: AXL DAVIS
PHONE: (773) 231-2969
COMPANY: COMMONWEALTH EDISON
ACCOUNT: 08781-15014



CABLE PLAN
(NOT TO SCALE)

NOTES:

1. BAG PEDESTRIAN HEADS WHEN WORK OCCURS WITHIN THE CROSSWALK. THE CONTRACTOR SHALL MAINTAIN ONE NORTH-SOUTH CROSSWALK AT ALL TIMES.

TS 14325
EAGLE 80

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CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 2.0001 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

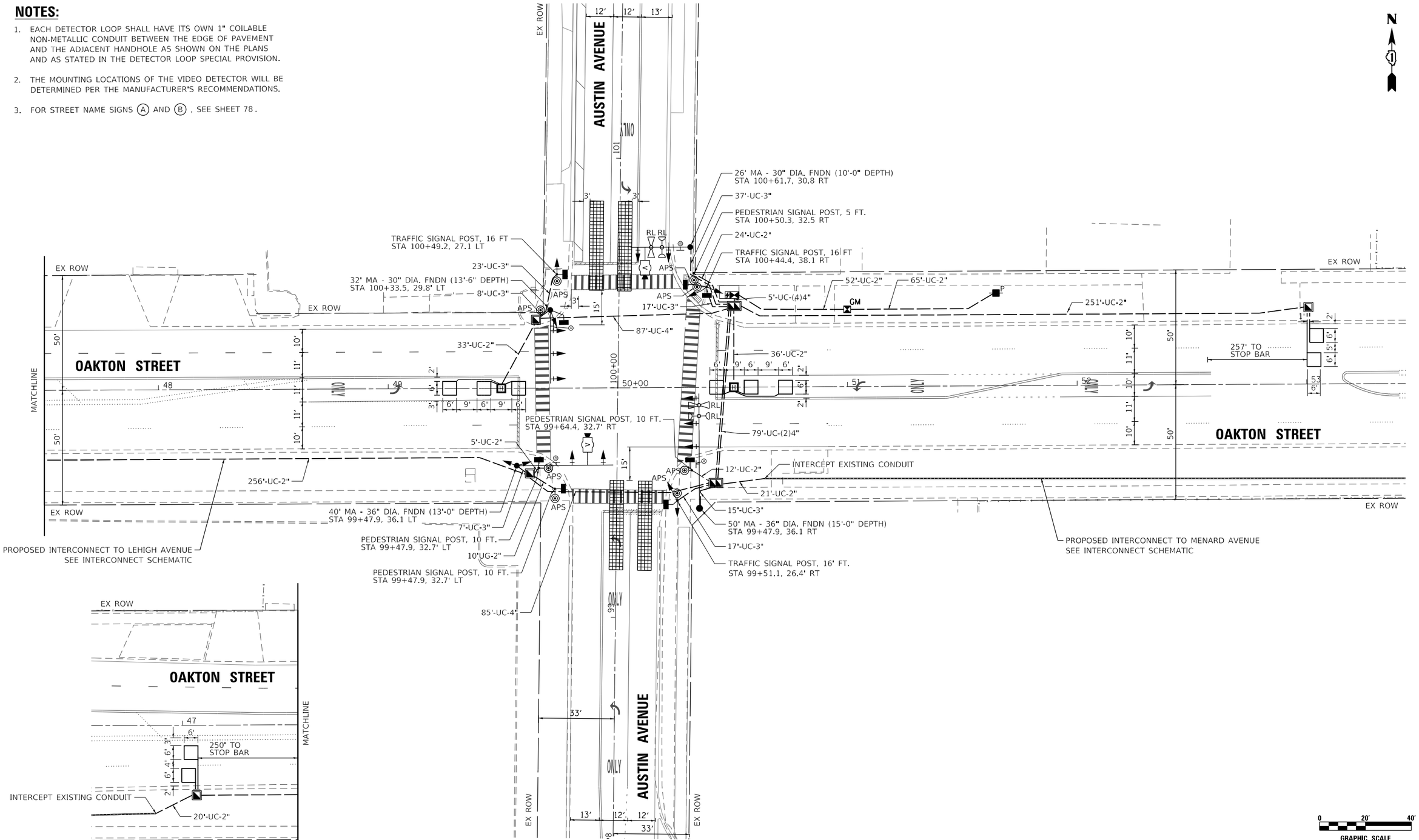
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY PREEMPTION SEQUENCE
OAKTON STREET AT AUSTIN AVENUE – STAGE 1

SCALE: NONE | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	75
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE DETECTOR LOOP SPECIAL PROVISION.
2. THE MOUNTING LOCATIONS OF THE VIDEO DETECTOR WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. FOR STREET NAME SIGNS (A) AND (B), SEE SHEET 78.



TS 14325

EAGLE 80

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P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

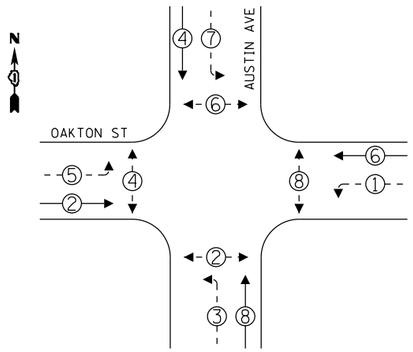
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
OAKTON STREET AT AUSTIN AVENUE

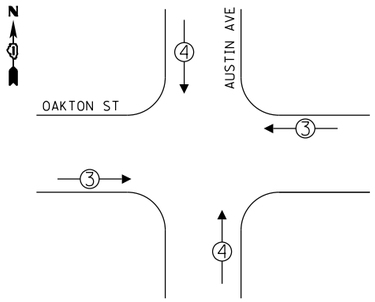
SCALE: 1"=20' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	76
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

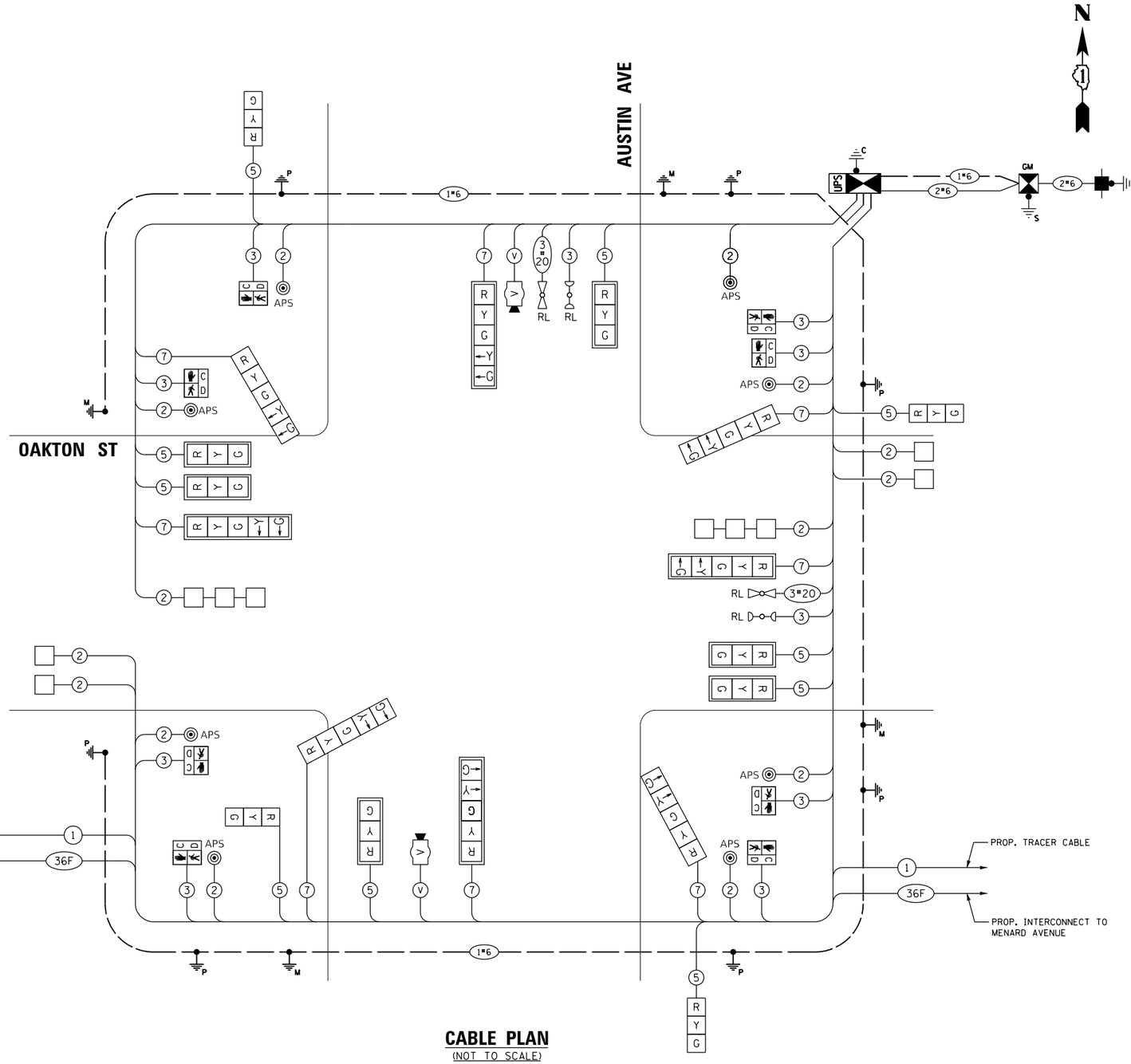


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE

TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS			
Type	Quantity	Unit Wattage	Total Wattage
Signal Head 3 - Section	10	11	110
4 - Section	-	14	-
5 - Section	8	13	104
Programmable Signals			
3 - Section	-	22	-
4 - Section	-	32	-
5 - Section	-	28	-
Ped. Signal	8	15	120
Controller	1	150	150
Master Controller	-	100	-
UPS	1	25	25
Detection Radar	-	20	-
Video	-	20	-
Blank-Out Sign	-	25	-
Network Switch II or III	-	35	-
Cellular Modem	-	15	-
TOTAL UPS SIZING			509
UPS Charging	1	225	225
Battery Heater Mat	1	180	180
Cabinet Heater	1	200	200
Flasher	-	15	-
LED Street Name Sign	-	120	-
Luminaire	-	240	-
TOTAL SERVICE WIRE SIZING			1114

ENERGY COSTS TO:
VILLAGE OF MORTON GROVE
6101 CAPULINA AVENUE
MORTON GROVE, IL 60053
ENERGY SUPPLY
CONTACT: AXL DAVIS
PHONE: (773) 231-2969
COMPANY: COMMONWEALTH EDISON
ACCOUNT: 08781-15014



CABLE PLAN
(NOT TO SCALE)

NOTES:

1. ALL RED INDICATIONS SHALL HAVE A LENS COVER.

TS 14325
EAGLE 80

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USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 2.0001 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

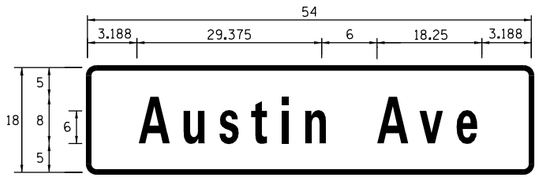
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
OAKTON STREET AT AUSTIN AVENUE

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	77
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

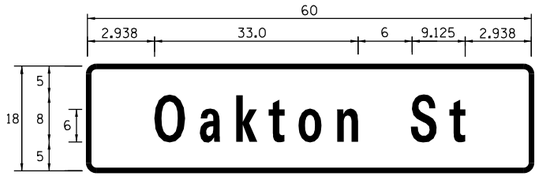
SIGN PANEL – TYPE 1 OR TYPE 2

Ⓐ



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	1	ZZ	2

Ⓑ



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

NOTE:

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION,
SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	SIGN PANEL - TYPE 1	SQ FT	29
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	744
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	124
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	350
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,114
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,454
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,727
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,332
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,700
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	157
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	695
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	16
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
	INDUCTIVE LOOP DETECTOR	EACH	6
	DETECTOR LOOP, TYPE I	FOOT	366
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	8
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
	WOODEN POLE REMOVAL	EACH	1
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	310
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
	LED SIGNAL FACE, LENS COVER	EACH	18
	ELECTRIC METER	EACH	1

* 100% COST TO THE VILLAGE OF MORTON GROVE

TS 14325
EAGLE 80

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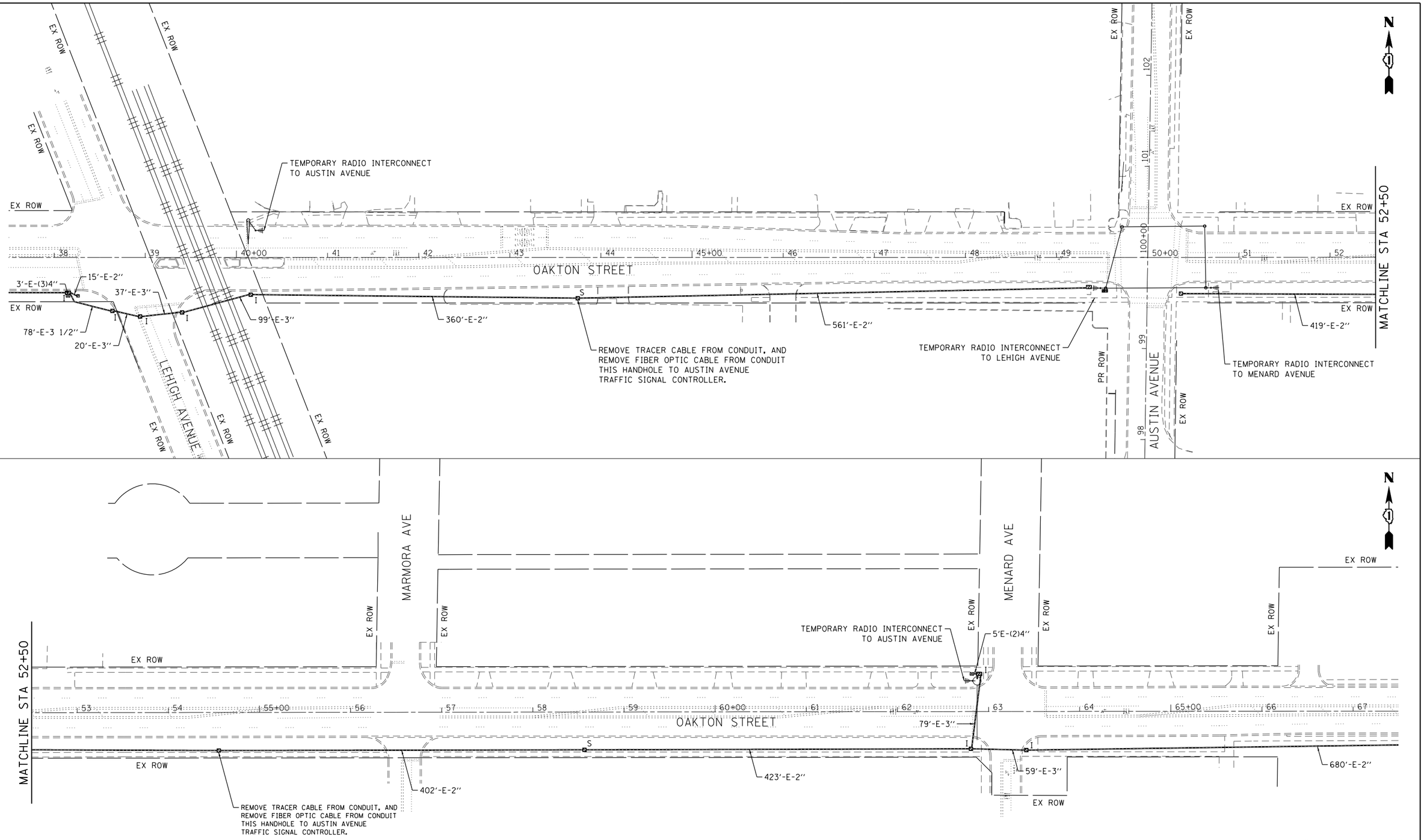
USER NAME = Electrical	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 2.0001 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 1/4/2024	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
OAKTON STREET AT AUSTIN AVENUE

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	78
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TS 14325

EAGLE 80

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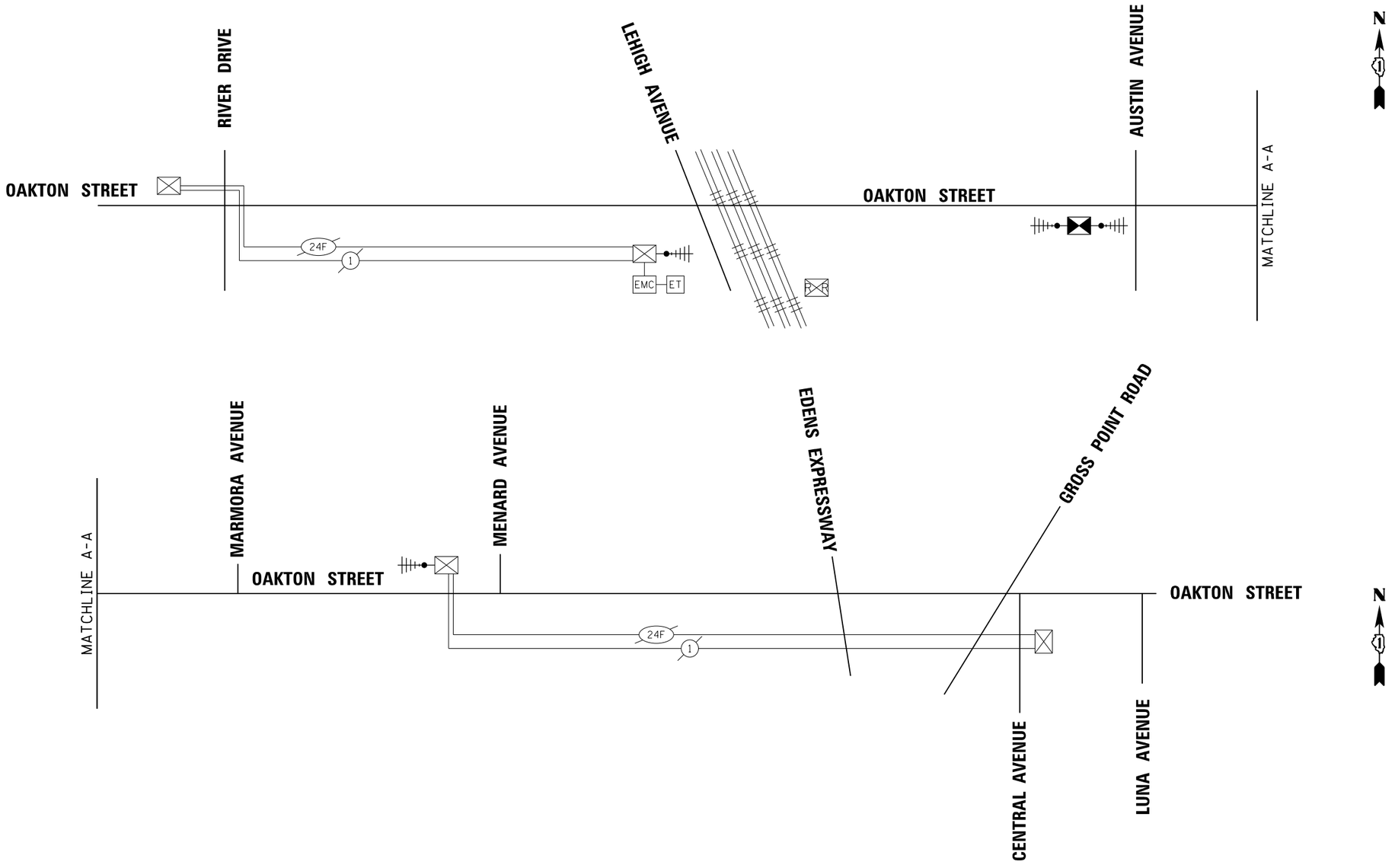
USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
OAKTON STREET
FROM RIVER DRIVE TO AUSTIN AVENUE

SCALE: 1'' = 50' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	79
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TS 14325
EAGLE 80

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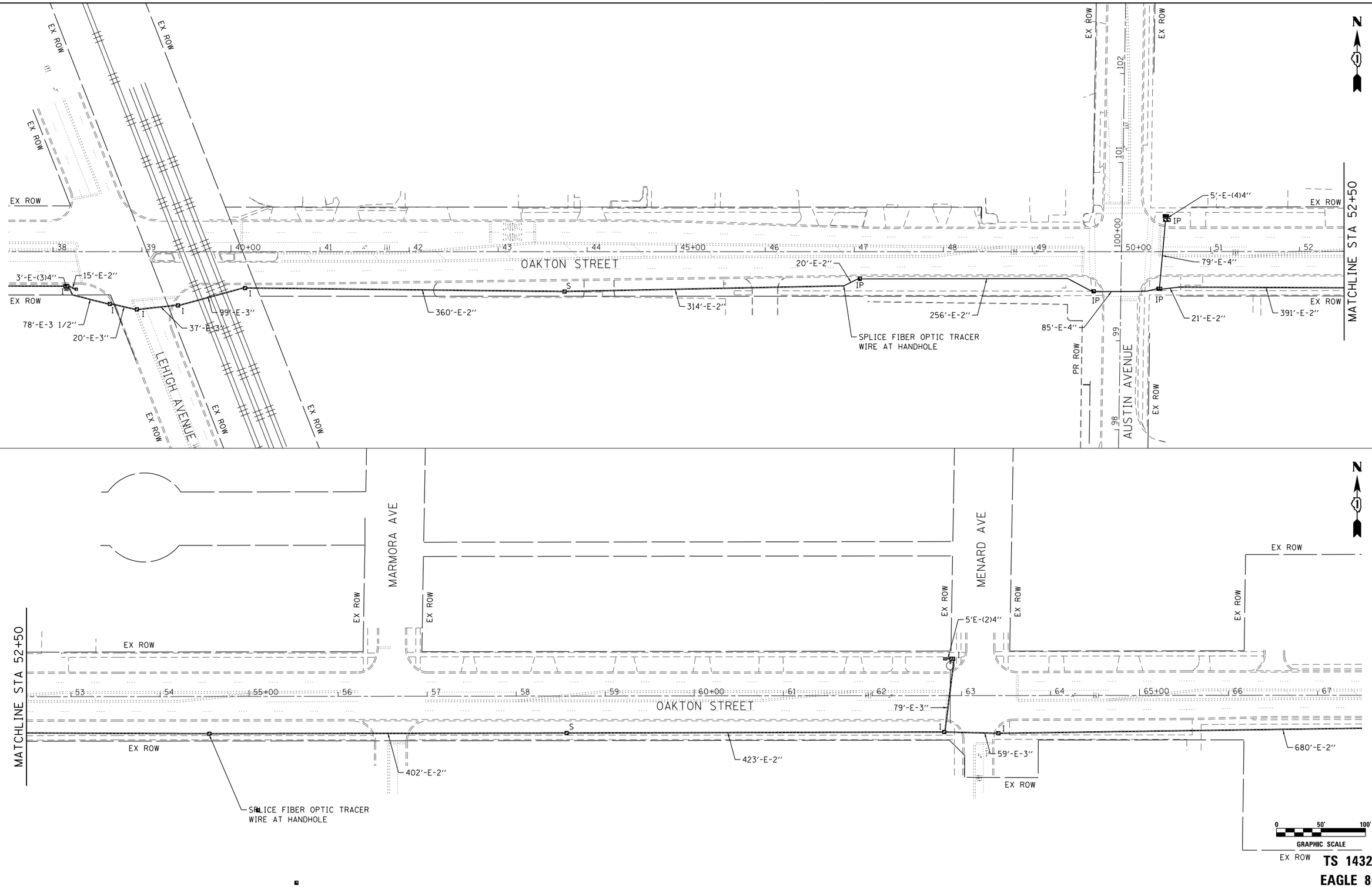
USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
OAKTON STREET FROM RIVER DRIVE TO GROSS POINT ROAD
MORTON GROVE, IL

SCALE: N.T.S. | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	80
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TS 14325

EAGLE 80

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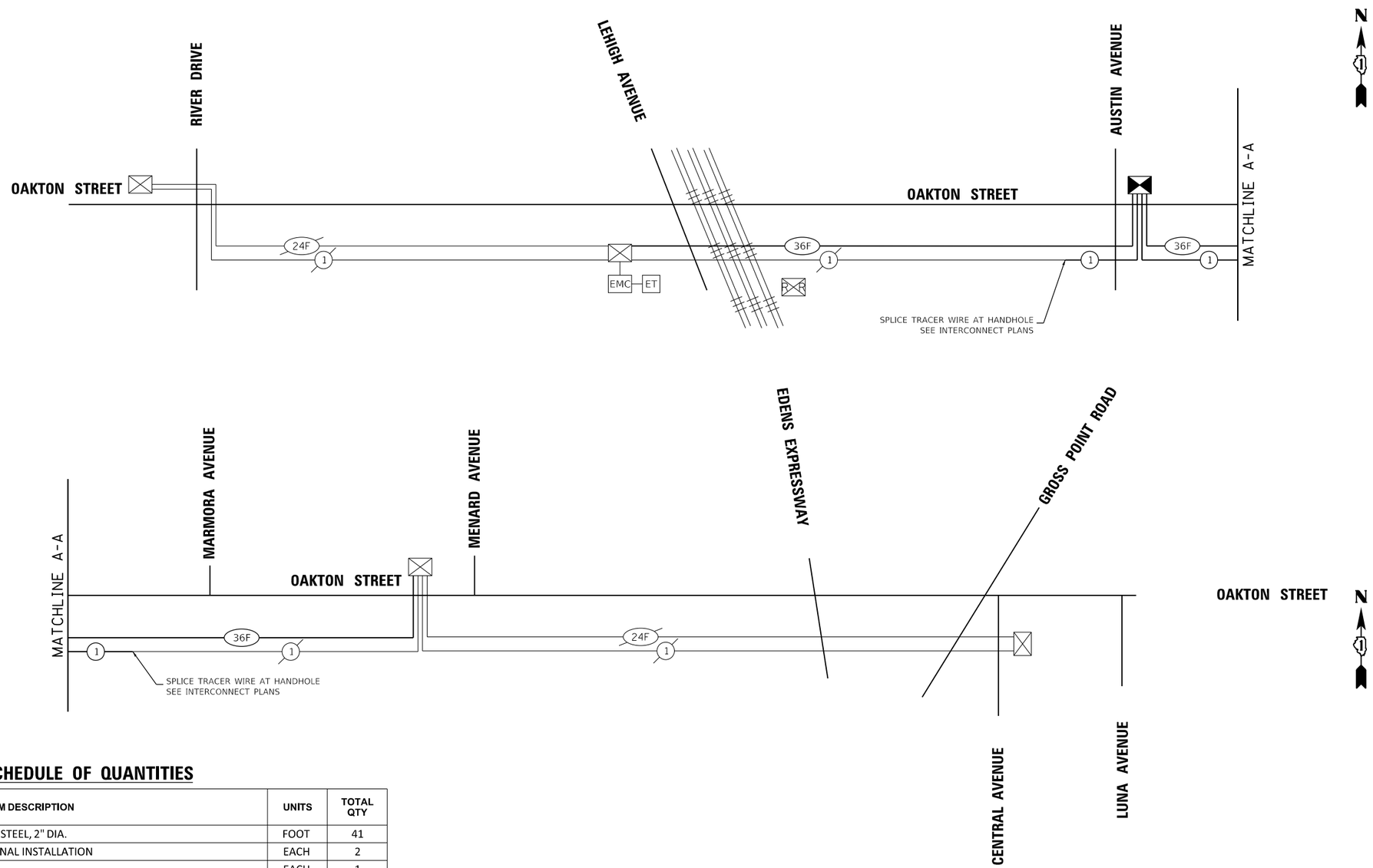
USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
OAKTON STREET
FROM RIVER DRIVE TO AUSTIN AVENUE

SCALE: 1" = 50' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	81
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	41
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
	TRANSCEIVER - FIBER OPTIC	EACH	1
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,004
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,191
	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
*	ROD AND CLEAN EXISTING CONDUIT	FOOT	1,131
	TERMINATE FIBER IN CABINET	EACH	4
	INTERCEPT EXISTING CONDUIT	EACH	2
	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2,951
	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	2,712

* NOMINAL QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER

NOTES:

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION QUANTITIES HAVE BEEN INCLUDED FOR THE FOLLOWING INTERSECTIONS:

1) OAKTON ST AT LEHIGH AVE (TS 5450)
2) OAKTON ST AT MENARD AVE (TS 14330)

TS 14325
EAGLE 80

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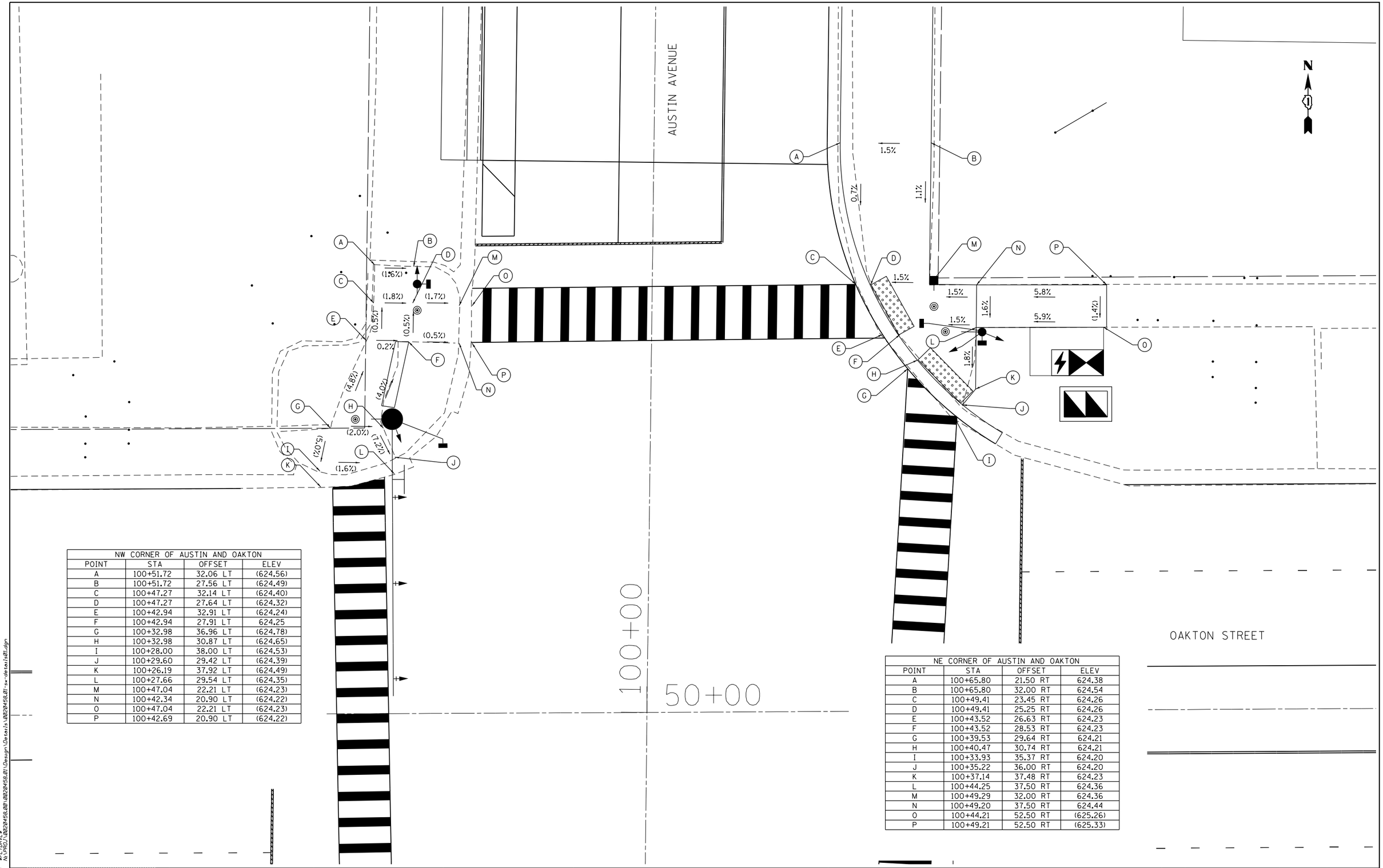
USER NAME = Roadway	DESIGNED - JMV	REVISED -
	DRAWN - JMV	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JMV	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
OAKTON STREET FROM RIVER DRIVE TO GROSS POINT ROAD
MORTON GROVE, IL

SCALE: N.T.S. | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	82
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NW CORNER OF AUSTIN AND OAKTON			
POINT	STA	OFFSET	ELEV
A	100+51.72	32.06 LT	(624.56)
B	100+51.72	27.56 LT	(624.49)
C	100+47.27	32.14 LT	(624.40)
D	100+47.27	27.64 LT	(624.32)
E	100+42.94	32.91 LT	(624.24)
F	100+42.94	27.91 LT	624.25
G	100+32.98	36.96 LT	(624.78)
H	100+32.98	30.87 LT	(624.65)
I	100+28.00	38.00 LT	(624.53)
J	100+29.60	29.42 LT	(624.39)
K	100+26.19	37.92 LT	(624.49)
L	100+27.66	29.54 LT	(624.35)
M	100+47.04	22.21 LT	(624.23)
N	100+42.34	20.90 LT	(624.22)
O	100+47.04	22.21 LT	(624.23)
P	100+42.69	20.90 LT	(624.22)

NE CORNER OF AUSTIN AND OAKTON			
POINT	STA	OFFSET	ELEV
A	100+65.80	21.50 RT	624.38
B	100+65.80	32.00 RT	624.54
C	100+49.41	23.45 RT	624.26
D	100+49.41	25.25 RT	624.26
E	100+43.52	26.63 RT	624.23
F	100+43.52	28.53 RT	624.23
G	100+39.53	29.64 RT	624.21
H	100+40.47	30.74 RT	624.21
I	100+33.93	35.37 RT	624.20
J	100+35.22	36.00 RT	624.20
K	100+37.14	37.48 RT	624.23
L	100+44.25	37.50 RT	624.36
M	100+49.29	32.00 RT	624.36
N	100+49.20	37.50 RT	624.44
O	100+44.21	52.50 RT	(625.26)
P	100+49.21	52.50 RT	(625.33)

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USER NAME = Roadway	DESIGNED - $DES_WM	REVISED -	
	DRAWN - $DRAWN_WM	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - $CHK_WM	REVISED -	
PLOT DATE = 1/4/2024	DATE - DEC 2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

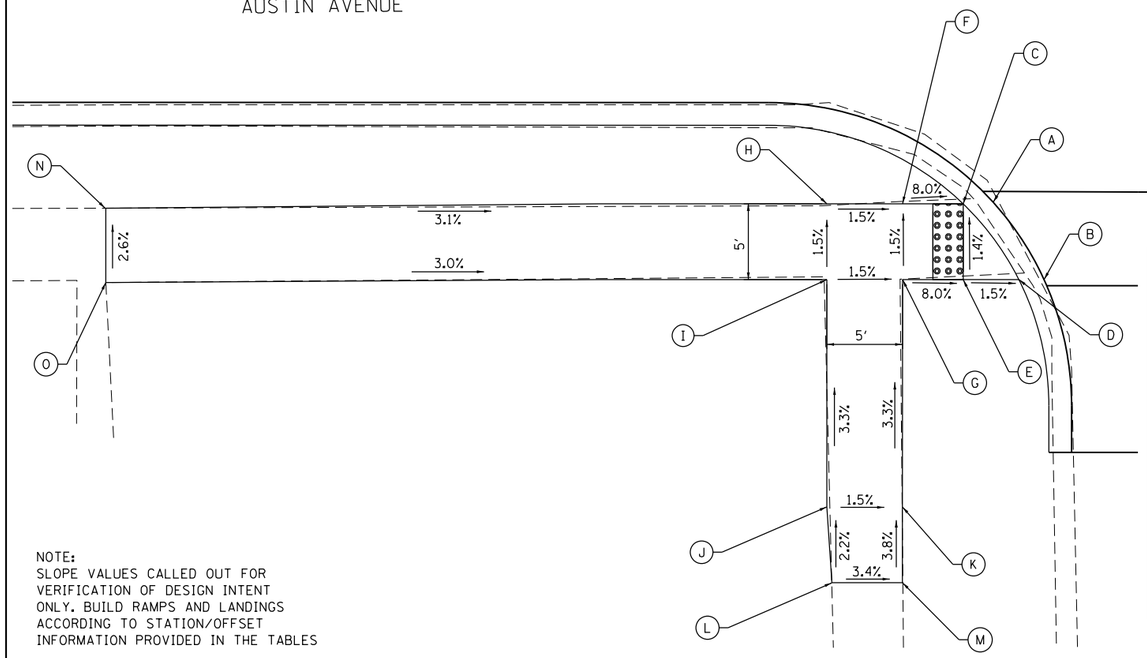
SIDEWALK DETAILS

SCALE: 1'' = 5' | SHEET NO. 1 OF 5 SHEETS | STA. | TO STA.

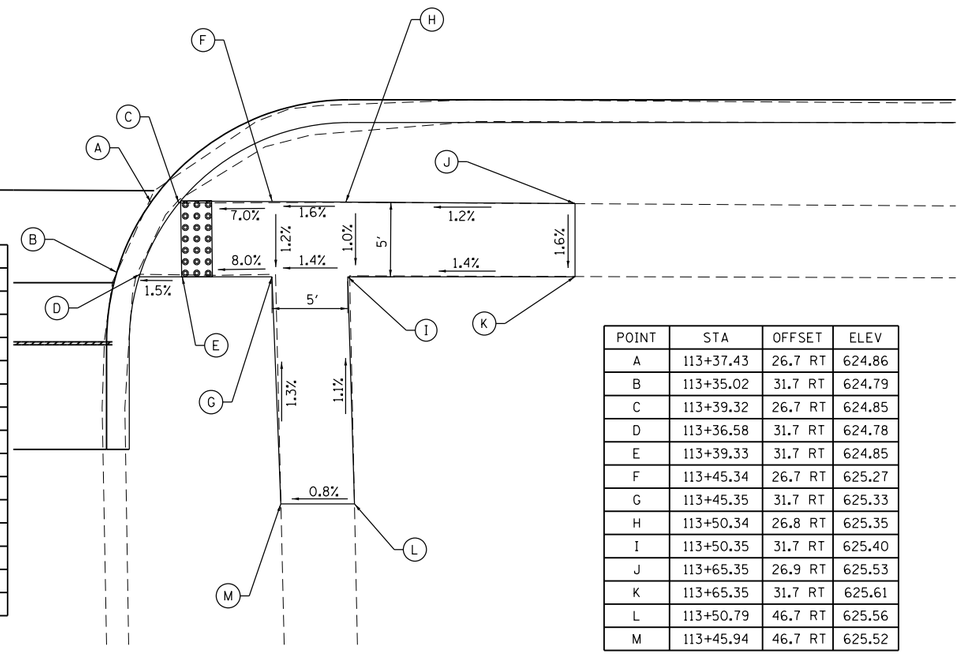
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	83
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

AUSTIN AVENUE

CLEVELAND STREET



POINT	STA	OFFSET	ELEV
A	112+98.85	26.7 RT	624.88
B	113+02.12	31.7 RT	624.90
C	112+96.77	26.7 RT	624.87
D	113+00.45	31.7 RT	624.89
E	112+96.77	31.7 RT	624.94
F	112+92.77	26.7 RT	625.19
G	112+92.77	31.7 RT	625.26
H	112+87.77	26.7 RT	625.26
I	112+87.77	31.7 RT	625.34
J	112+87.77	46.7 RT	625.84
K	112+92.77	46.7 RT	625.76
L	112+88.10	51.7 RT	625.73
M	112+92.77	51.7 RT	625.57
N	112+40.18	27.0 RT	625.57
O	112+40.18	31.9 RT	625.70

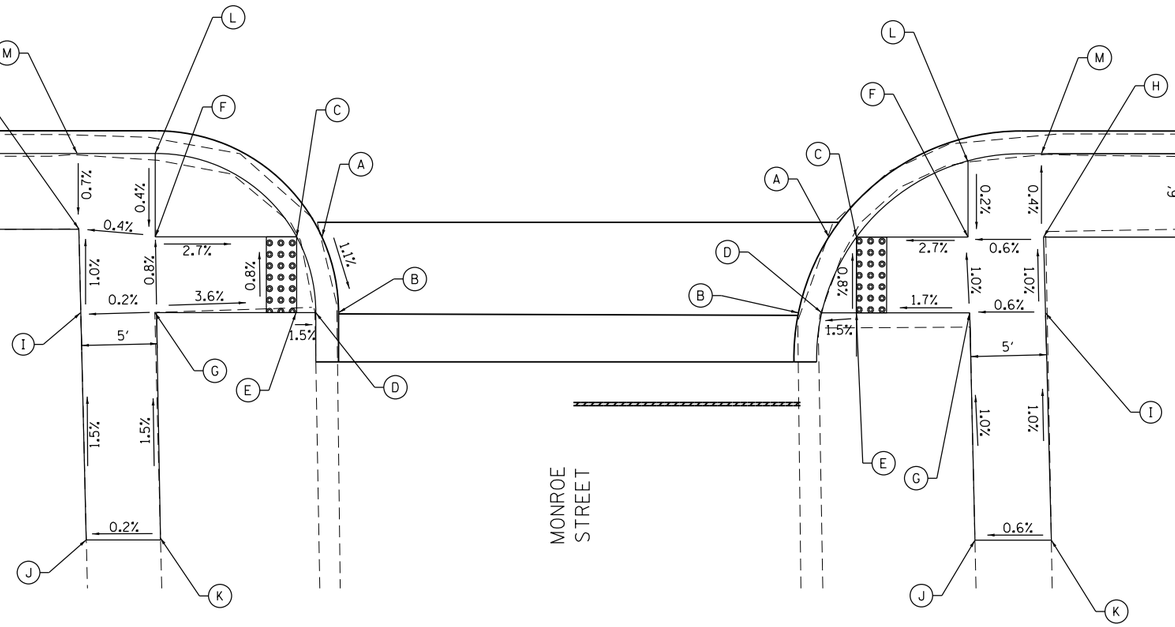


POINT	STA	OFFSET	ELEV
A	113+37.43	26.7 RT	624.86
B	113+35.02	31.7 RT	624.79
C	113+39.32	26.7 RT	624.85
D	113+36.58	31.7 RT	624.78
E	113+39.33	31.7 RT	624.85
F	113+45.34	26.7 RT	625.27
G	113+45.35	31.7 RT	625.33
H	113+50.34	26.8 RT	625.35
I	113+50.35	31.7 RT	625.40
J	113+65.35	26.9 RT	625.53
K	113+65.35	31.7 RT	625.61
L	113+50.79	46.7 RT	625.56
M	113+45.94	46.7 RT	625.52

NOTE:
SLOPE VALUES CALLED OUT FOR VERIFICATION OF DESIGN INTENT ONLY. BUILD RAMPS AND LANDINGS ACCORDING TO STATION/OFFSET INFORMATION PROVIDED IN THE TABLES

AUSTIN AVENUE

MONROE STREET



POINT	STA	OFFSET	ELEV
A	116+32.39	27.0 RT	625.47
B	116+33.48	32.0 RT	625.41
C	116+30.71	27.0 RT	625.46
D	116+31.98	32.0 RT	625.40
E	116+30.72	32.0 RT	625.42
F	116+21.38	27.0 RT	625.71
G	116+21.46	32.0 RT	625.75
H	116+16.33	26.5 RT	625.69
I	116+16.46	32.0 RT	625.74
J	116+16.82	47.0 RT	625.96
K	116+21.73	47.0 RT	625.97
L	116+21.38	21.5 RT	625.73
M	116+16.21	21.6 RT	625.73

POINT	STA	OFFSET	ELEV
A	116+65.84	27.0 RT	625.55
B	116+63.84	32.0 RT	625.55
C	116+67.66	27.0 RT	625.54
D	116+65.37	32.0 RT	625.54
E	116+67.67	32.0 RT	625.58
F	116+75.03	27.0 RT	625.74
G	116+75.14	32.0 RT	625.79
H	116+80.01	27.0 RT	625.77
I	116+80.14	32.0 RT	625.82
J	116+75.49	47.0 RT	625.94
K	116+80.53	47.0 RT	625.97
L	116+75.03	22.0 RT	625.75
M	116+79.87	21.5 RT	625.75

0 2.5' 5'
GRAPHIC SCALE

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	DRAWN - AMH	REVISED -
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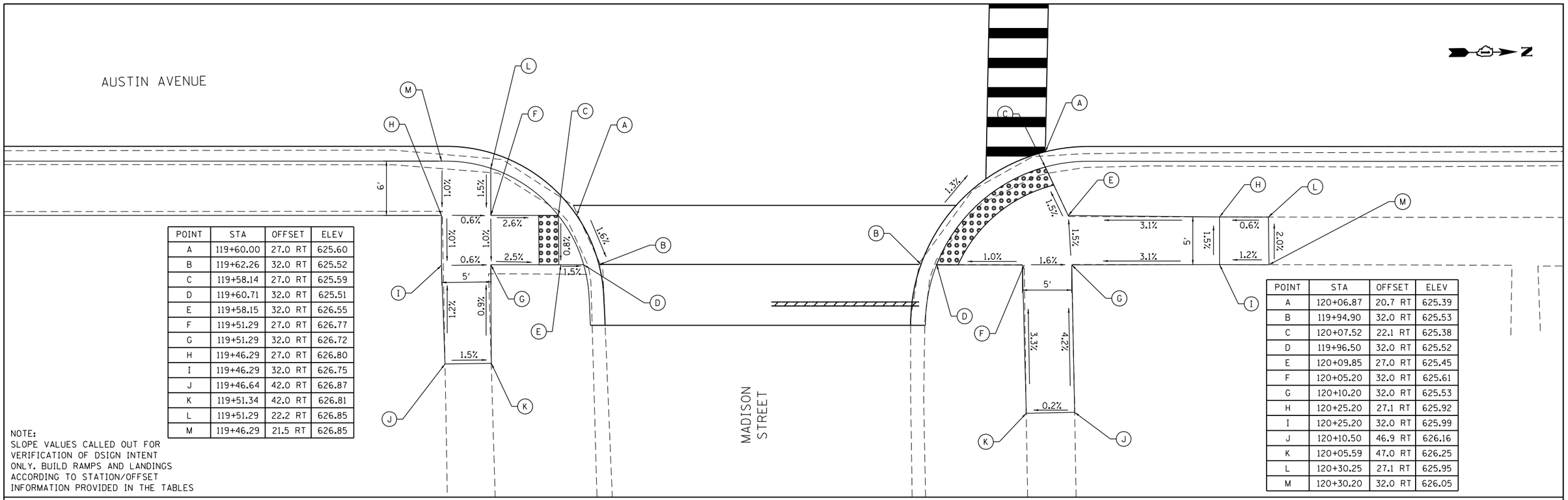
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS

SCALE: 1" = 5' | SHEET NO. 2 OF 5 SHEETS | STA. | TO STA.

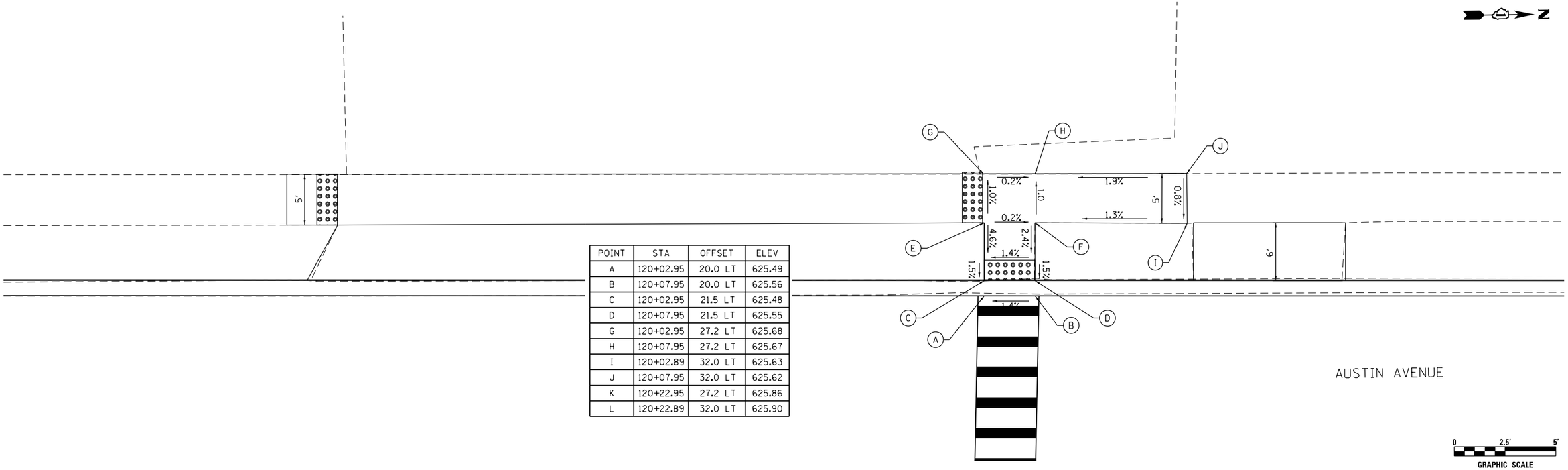
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	84
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



POINT	STA	OFFSET	ELEV
A	119+60.00	27.0 RT	625.60
B	119+62.26	32.0 RT	625.52
C	119+58.14	27.0 RT	625.59
D	119+60.71	32.0 RT	625.51
E	119+58.15	32.0 RT	626.55
F	119+51.29	27.0 RT	626.77
G	119+51.29	32.0 RT	626.72
H	119+46.29	27.0 RT	626.80
I	119+46.29	32.0 RT	626.75
J	119+46.64	42.0 RT	626.87
K	119+51.34	42.0 RT	626.81
L	119+51.29	22.2 RT	626.85
M	119+46.29	21.5 RT	626.85

NOTE:
SLOPE VALUES CALLED OUT FOR VERIFICATION OF DSIGN INTENT ONLY. BUILD RAMPS AND LANDINGS ACCORDING TO STATION/OFFSET INFORMATION PROVIDED IN THE TABLES

POINT	STA	OFFSET	ELEV
A	120+06.87	20.7 RT	625.39
B	119+94.90	32.0 RT	625.53
C	120+07.52	22.1 RT	625.38
D	119+96.50	32.0 RT	625.52
E	120+09.85	27.0 RT	625.45
F	120+05.20	32.0 RT	625.61
G	120+10.20	32.0 RT	625.53
H	120+25.20	27.1 RT	625.92
I	120+25.20	32.0 RT	625.99
J	120+10.50	46.9 RT	626.16
K	120+05.59	47.0 RT	626.25
L	120+30.25	27.1 RT	625.95
M	120+30.20	32.0 RT	626.05



POINT	STA	OFFSET	ELEV
A	120+02.95	20.0 LT	625.49
B	120+07.95	20.0 LT	625.56
C	120+02.95	21.5 LT	625.48
D	120+07.95	21.5 LT	625.55
G	120+02.95	27.2 LT	625.68
H	120+07.95	27.2 LT	625.67
I	120+02.89	32.0 LT	625.63
J	120+07.95	32.0 LT	625.62
K	120+22.95	27.2 LT	625.86
L	120+22.89	32.0 LT	625.90

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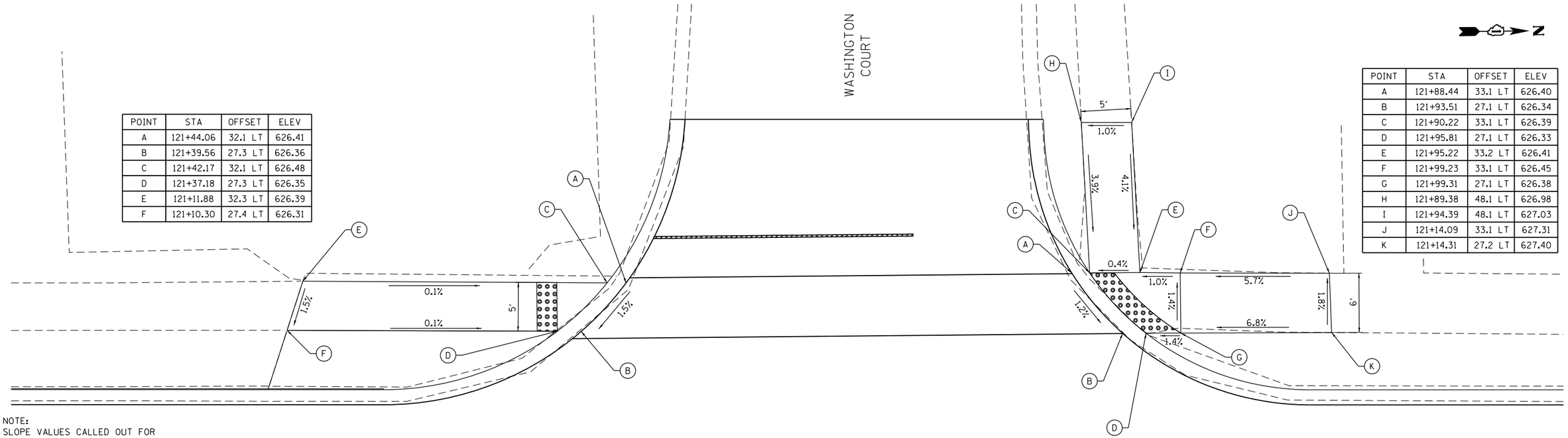
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS

SCALE: 1" = 5' | SHEET NO. 3 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	85
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

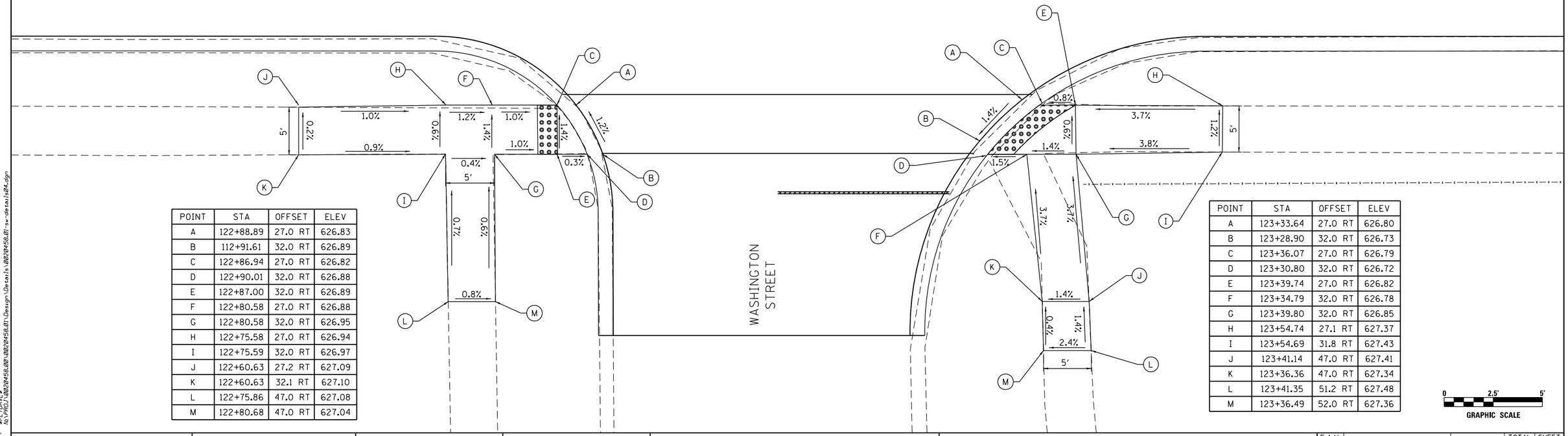


POINT	STA	OFFSET	ELEV
A	121+44.06	32.1 LT	626.41
B	121+39.56	27.3 LT	626.36
C	121+42.17	32.1 LT	626.48
D	121+37.18	27.3 LT	626.35
E	121+11.88	32.3 LT	626.39
F	121+10.30	27.4 LT	626.31

POINT	STA	OFFSET	ELEV
A	121+88.44	33.1 LT	626.40
B	121+93.51	27.1 LT	626.34
C	121+90.22	33.1 LT	626.39
D	121+95.81	27.1 LT	626.33
E	121+95.22	33.2 LT	626.41
F	121+99.23	33.1 LT	626.45
G	121+99.31	27.1 LT	626.38
H	121+89.38	48.1 LT	626.98
I	121+94.39	48.1 LT	627.03
J	121+14.09	33.1 LT	627.31
K	121+14.31	27.2 LT	627.40

NOTE:
SLOPE VALUES CALLED OUT FOR VERIFICATION OF DESIGN INTENT ONLY. BUILD RAMPS AND LANDINGS ACCORDING TO STATION/OFFSET INFORMATION PROVIDED IN THE TABLES.

AUSTIN AVENUE



POINT	STA	OFFSET	ELEV
A	122+88.89	27.0 RT	626.83
B	112+91.61	32.0 RT	626.89
C	122+86.94	27.0 RT	626.82
D	122+90.01	32.0 RT	626.88
E	122+87.00	32.0 RT	626.89
F	122+80.58	27.0 RT	626.88
G	122+80.58	32.0 RT	626.95
H	122+75.58	27.0 RT	626.94
I	122+75.59	32.0 RT	626.97
J	122+60.63	27.2 RT	627.09
K	122+60.63	32.1 RT	627.10
L	122+75.86	47.0 RT	627.08
M	122+80.68	47.0 RT	627.04

POINT	STA	OFFSET	ELEV
A	123+33.64	27.0 RT	626.80
B	123+28.90	32.0 RT	626.73
C	123+36.07	27.0 RT	626.79
D	123+30.80	32.0 RT	626.72
E	123+39.74	27.0 RT	626.82
F	123+34.79	32.0 RT	626.78
G	123+39.80	32.0 RT	626.85
H	123+54.74	27.1 RT	627.37
I	123+54.69	31.8 RT	627.43
J	123+41.14	47.0 RT	627.41
K	123+36.36	47.0 RT	627.34
L	123+41.35	51.2 RT	627.48
M	123+36.49	52.0 RT	627.36

0 2.5' 5'
GRAPHIC SCALE

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PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS

SCALE: 1" = 5' | SHEET NO. 4 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	86
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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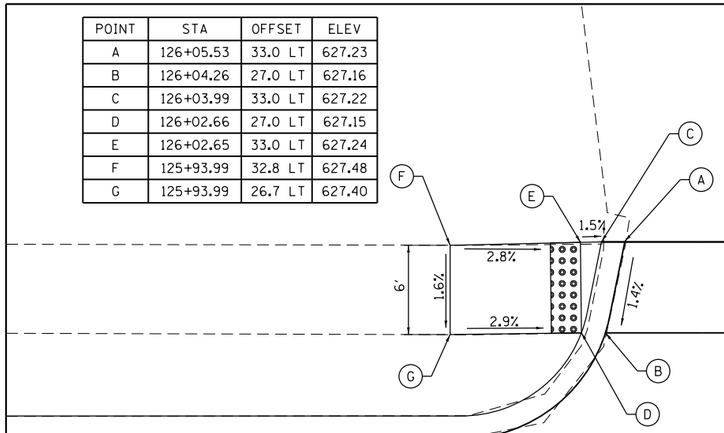
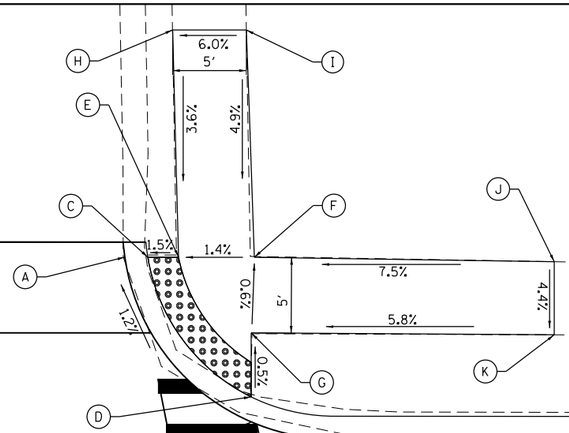
POINT	STA	OFFSET	ELEV
A	126+05.53	33.0 LT	627.23
B	126+04.26	27.0 LT	627.16
C	126+03.99	33.0 LT	627.22
D	126+02.66	27.0 LT	627.15
E	126+02.65	33.0 LT	627.24
F	125+93.99	32.8 LT	627.48
G	125+93.99	26.7 LT	627.40





POINT	STA	OFFSET	ELEV
A	126+60.13	32.0 LT	626.57
B	126+68.47	21.1 LT	626.72
C	126+61.64	32.0 LT	626.56
D	126+68.47	22.8 LT	626.71
E	126+63.67	32.0 LT	626.59
F	126+68.67	32.0 LT	626.66
G	126+68.47	27.0 LT	626.69
H	126+63.27	47.0 LT	627.13
I	126+68.14	47.0 LT	627.43
J	126+88.47	31.7 LT	627.78
K	126+88.47	26.9 LT	627.56

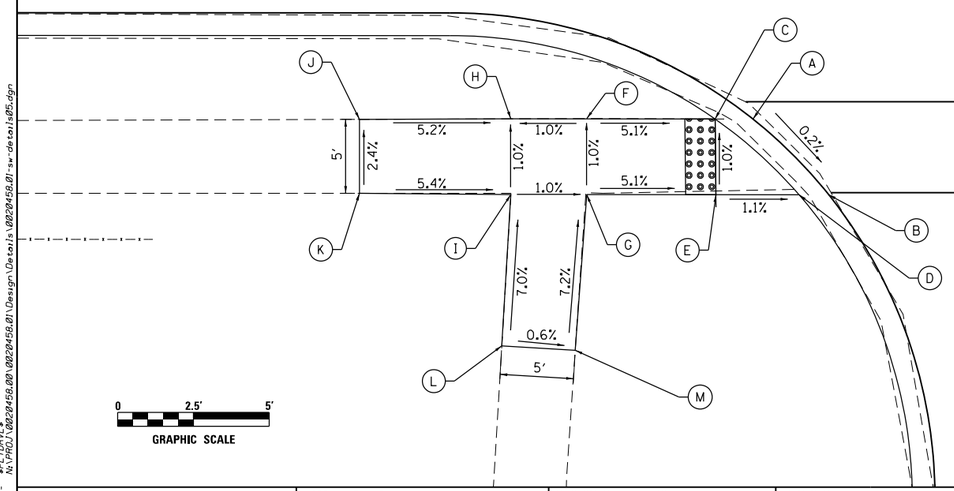
AUSTIN AVENUE

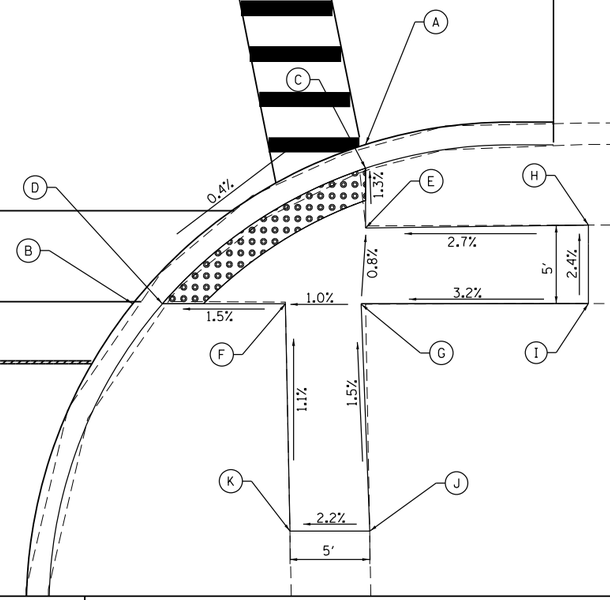
NOTE:
SLOPE VALUES CALLED OUT FOR VERIFICATION OF DESIGN INTENT ONLY. BUILD RAMPS AND LANDINGS ACCORDING TO STATION/OFFSET INFORMATION PROVIDED IN THE TABLES.

126

127

POINT	STA	OFFSET	ELEV
A	126+13.27	27.0 RT	626.43
B	126+18.27	32.0 RT	626.42
C	126+10.77	27.0 RT	626.42
D	126+16.31	32.0 RT	626.41
E	126+10.82	32.0 RT	626.41
F	126+02.29	27.0 RT	626.85
G	126+02.30	32.0 RT	626.90
H	125+97.28	27.0 RT	626.90
I	125+97.29	32.0 RT	626.95
J	125+87.29	27.0 RT	627.42
K	125+87.29	31.9 RT	627.54
L	125+96.69	42.0 RT	627.65
M	126+01.54	42.3 RT	627.62





MAIN STREET

POINT	STA	OFFSET	ELEV
A	126+77.74	21.5 RT	626.56
B	126+62.37	32.0 RT	626.48
C	126+77.74	23.1 RT	626.55
D	126+64.32	32.0 RT	626.47
E	126+77.74	27.0 RT	626.60
F	126+72.45	32.0 RT	626.64
G	126+77.45	32.0 RT	626.59
H	126+92.45	26.8 RT	627.00
I	126+92.45	32.0 RT	627.12
J	126+78.01	47.0 RT	626.87
K	126+72.75	47.0 RT	626.76

0 2.5' 5'
GRAPHIC SCALE

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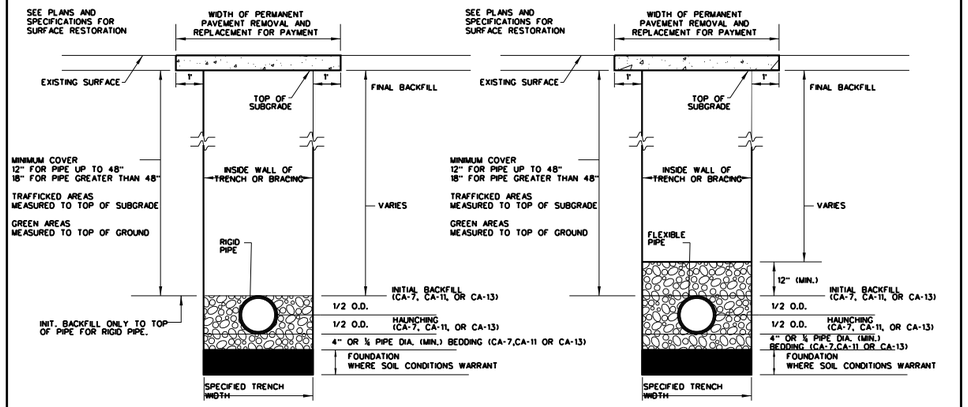
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS

SCALE: 1" = 5' | SHEET NO. 5 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	87
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



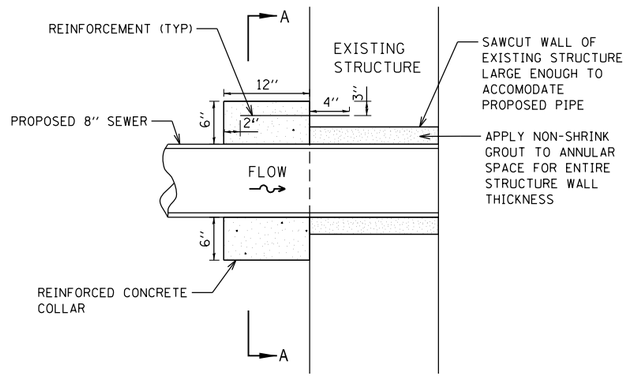
RIGID PIPE INSTALLATION DETAIL

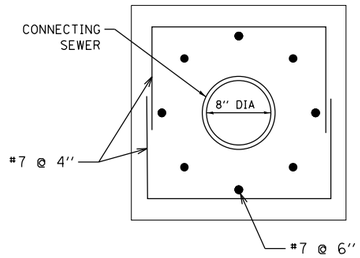
FLEXIBLE PIPE INSTALLATION DETAIL

NOTES:
1. FOR QUALIFIED SEWER CONSTRUCTION ONLY.
2. SHORING, OR EQUIVALENT PROTECTIVE SYSTEM, REQUIRED FOR TRENCHES OF 5' DEPTH OR GREATER, OR AS REQUIRED BY MUNICIPALITY.

NOT TO SCALE

	TECHNICAL GUIDANCE MANUAL	7/1/15
	RIGID AND FLEXIBLE PIPE INSTALLATION DETAIL	STD. DWG. NO. 34
		PAGE NO. 35





SECTION A-A

NOTES:

1. EXISTING REINFORCEMENT STEEL SHALL BE CLEANED OF ALL LOOSE CONCRETE PARTICLES, AND CUT, BENT, AND TIED TO NEW REBAR INTO THE COLLAR.

2. APPLY BONDING AGENT BETWEEN NEW SEWER AND OLD CONCRETE SURFACE.

3. ALL GAPS AFTER INSTALLATION OF NEW SEWER TO BE DRY PACKED WITH GROUT.

SANITARY SEWER CONNECTION

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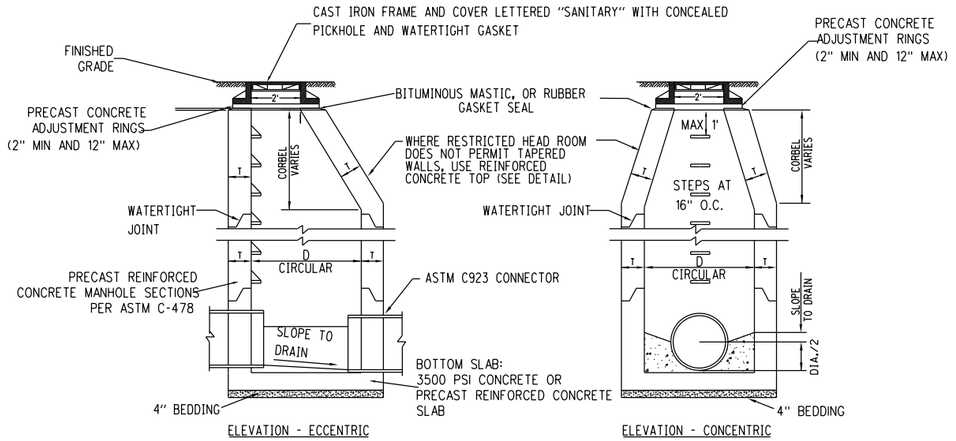
USER NAME = Roadway	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

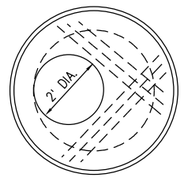
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MWRD DETAILS

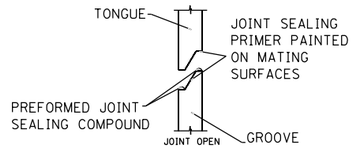
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

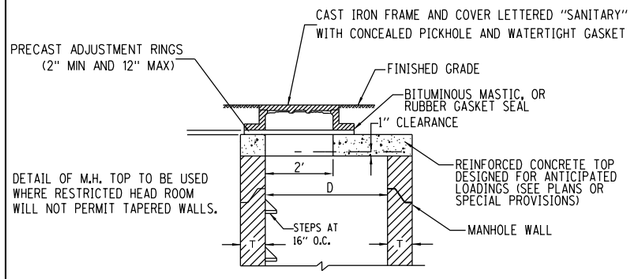
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	88
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



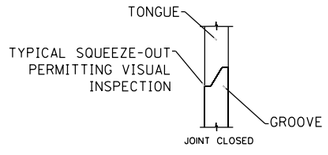


WATERPROOF FRAME AND BOLTED LID (SEE NOTES)





REINFORCED CONCRETE TOP



WATER TIGHT JOINT DETAIL

1. MANHOLES TO HAVE PRECAST "RUBBER BOOTS" CONFORMING TO ASTM C-923 AT ALL PIPE CONNECTIONS.
2. SANITARY MANHOLES SUBJECT TO SATURATION SOIL CONDITIONS OR SURFACE SUBMERGENCE SHALL BE EQUIPPED WITH CHIMNEY SEALS AND WATER TIGHT BOLTED DOWN MANHOLE COVERS.
3. MASTIC SEALANT OR RUBBER GASKET SEAL MUST BE APPLIED BETWEEN CONCRETE & FLANGE OF FRAME BEFORE LID BOLTS ARE TIGHTENED.
4. SAFETY LANDINGS REQUIRED FOR MANHOLES GREATER THAN 28 FEET DEPTH (RIM TO INVERT). MAXIMUM VERTICAL SPACING OF SAFETY LANDING IS 20 FEET.
5. FOR DROP CONNECTIONS, USE DROP CONNECTION MANHOLE DETAIL.
6. FOR ONLINE CONNECTIONS GREATER THAN 15 INCHES, USE DOGHOUSE MANHOLE DETAIL.

ALT MATERIALS FOR WALLS		
PRECAST REINFORCED CONCRETE SECTION		
CAST-IN-PLACE CONCRETE		

NOT TO SCALE

	TECHNICAL GUIDANCE MANUAL	7/1/15
	TYPICAL SANITARY MANHOLE "A" AND "B" DETAIL	STD. DWG. NO.39
		PAGE NO. 40

DATE PLOTTED = 12/28/2023 6:38:51 AM
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USER NAME = Roadway	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

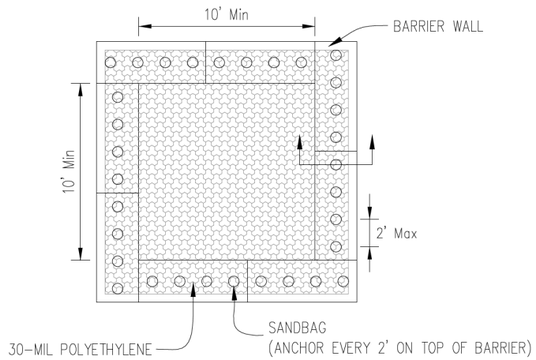
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MWRD DETAILS

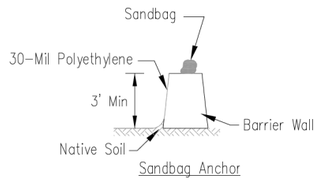
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	89
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

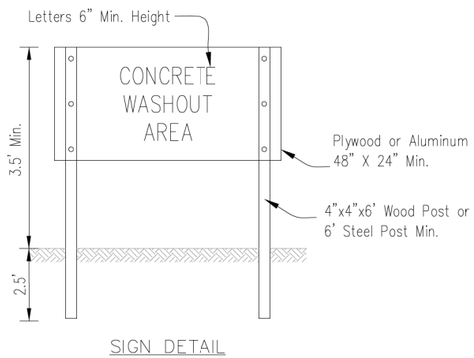
AUTOCAD2006



PLAN VIEW



BARRIER WALL ANCHOR SECTION

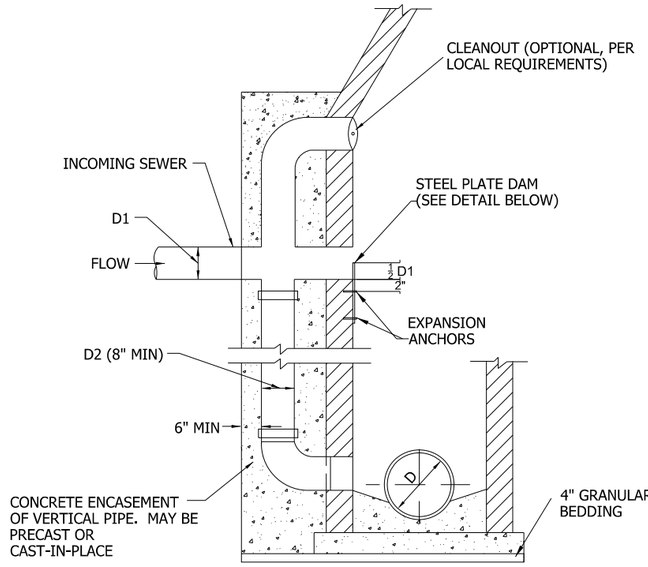


SIGN DETAIL

NOTES:

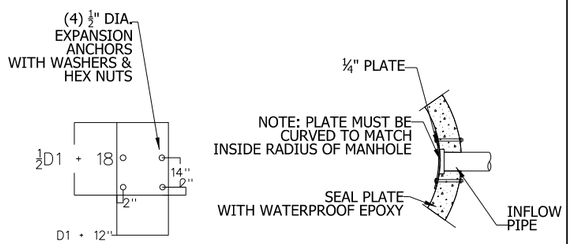
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the faciliities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet 3 of 3	Drawing No. IUM-65DRW	File No.	TEMPORARY CONCRETE WASHOUT FACILITY – BARRIER WALL	Date
			Designed	
			Drawn B. JOHNSON	6/08
			Checked	
			Approved	



NOTES:
1. REQUIRED FOR 2FT. OR GREATER DROP TO SANITARY OR COMBINED SEWER.
2. MINIMUM WALL THICKNESS IS 6" FOR CAST IN PLACE CONCRETE STRUCTURES AND 1/12 MANHOLE DIAMETER FOR PRECAST CONCRETE STRUCTURES.
3. CONCRETE FOR ENCASEMENT SHALL BE 4,000 PSI @ 28 DAYS.
4. FORCEMAIN FLOW NOT ALLOWED AS INCOMING SEWER, SEE FORCEMAIN DISCHARGE DETAIL.

DIAMETER (INCHES)	
D1	D2
6	8
8	8
10	8
12	8
15	10
18	12
21	15
24	18



STEEL PLATE DAM

NOTES:
1. PLATE AND FASTENERS MUST BE FABRICATED IN STAINLESS STEEL, DUCTILE IRON, OR EQUIVALENT WATERPROOF/WEATHER PROOF MATERIALS.
2. BOLTS TACK WELDED TO PLATE.
3. ANCHOR EMBEDMENT: 3" MIN.

NOT TO SCALE

	TECHNICAL GUIDANCE MANUAL	7/1/15
	typical drop manhole connection	STD. DWG. NO.33
		PAGE NO. 34

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USER NAME = Roadway	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

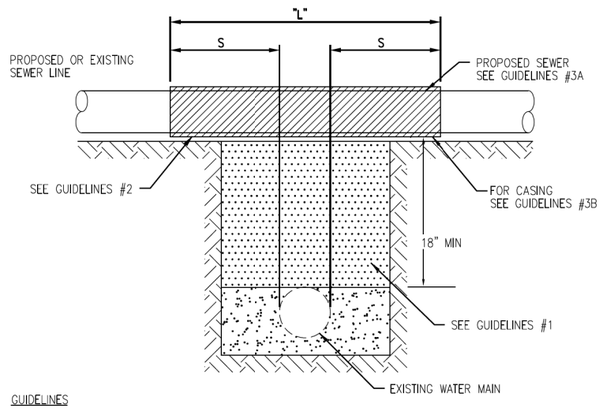
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MWRD DETAILS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	90
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN



GUIDELINES

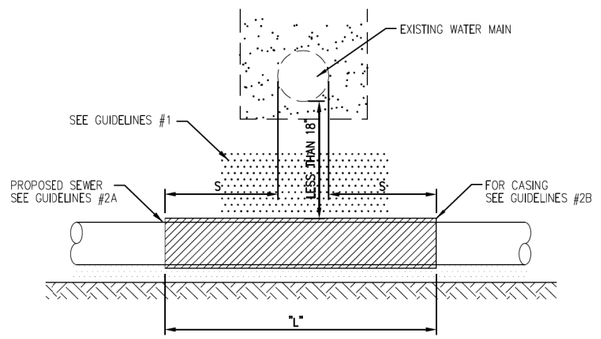
1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

   B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION



GUIDELINES

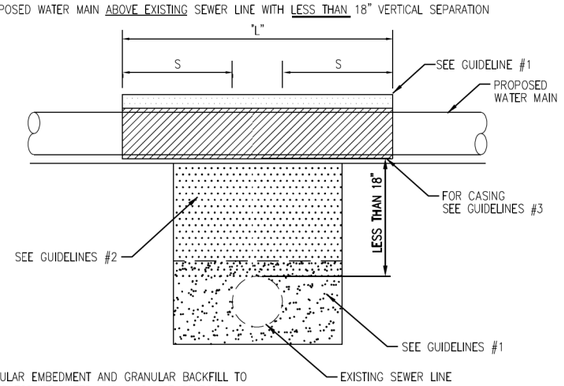
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

   B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION



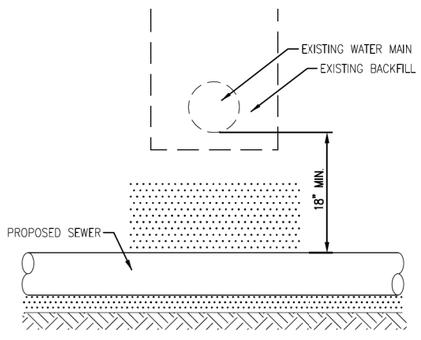
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION

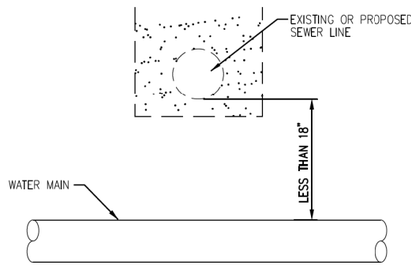


GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. **NOT ALLOWED.**



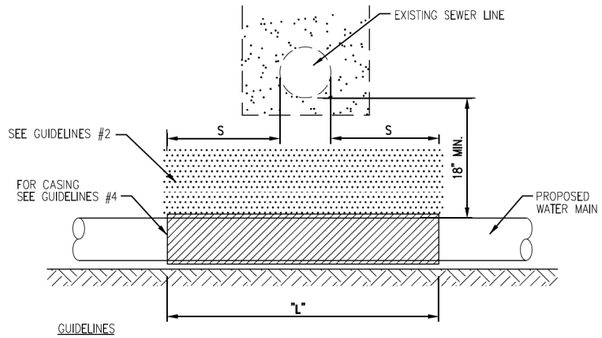
NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

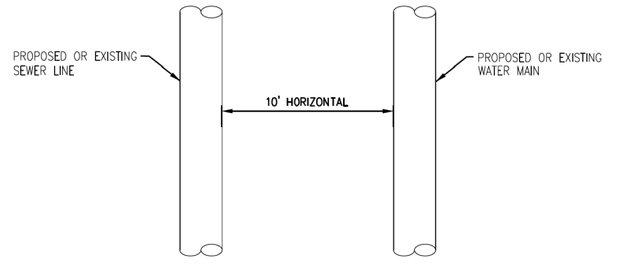
*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.



GUIDELINES

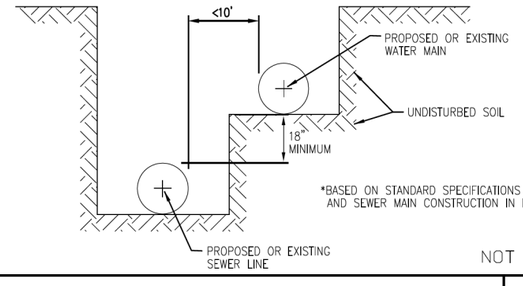
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

PER IEPA, WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED



PLAN VIEW

PER IEPA, WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED **LESS THAN 10 FEET** FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY



*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

NOT TO SCALE

TECHNICAL GUIDANCE MANUAL

7/1/15

WATER AND SEWER SEPARATION REQUIREMENTS (PER IEPA)

STD. DWG. NO. 41

PAGE NO. 42

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USER NAME = Roadway	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/28/2023	DATE - DEC 2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MWRD DETAILS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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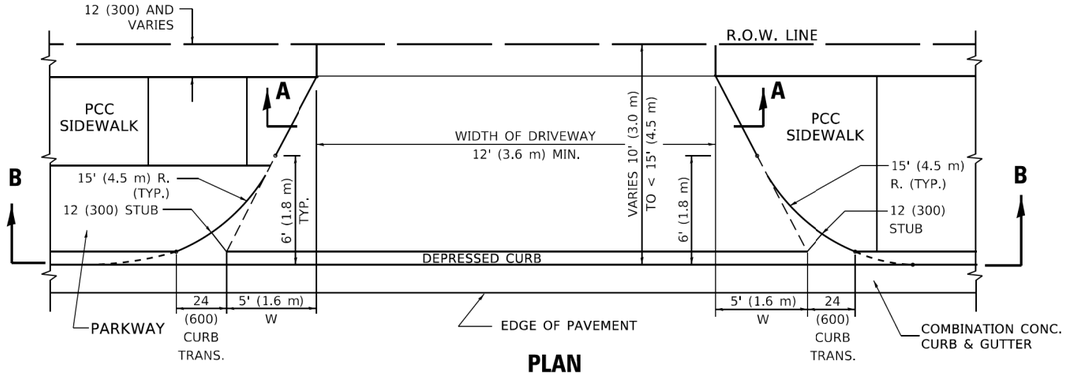
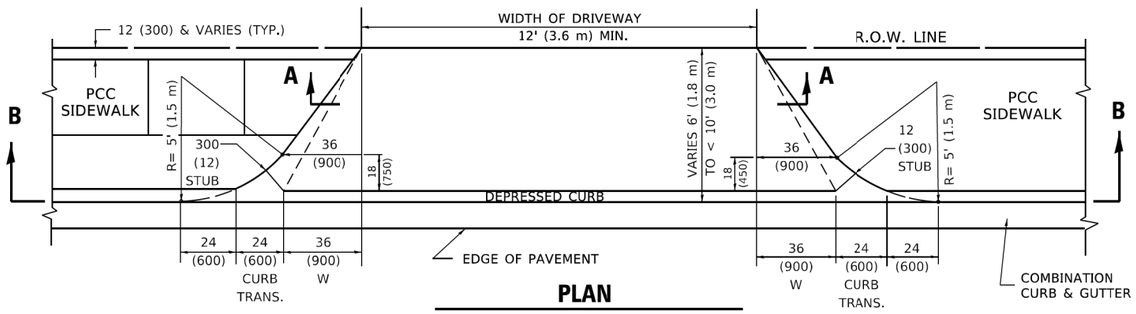
		CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



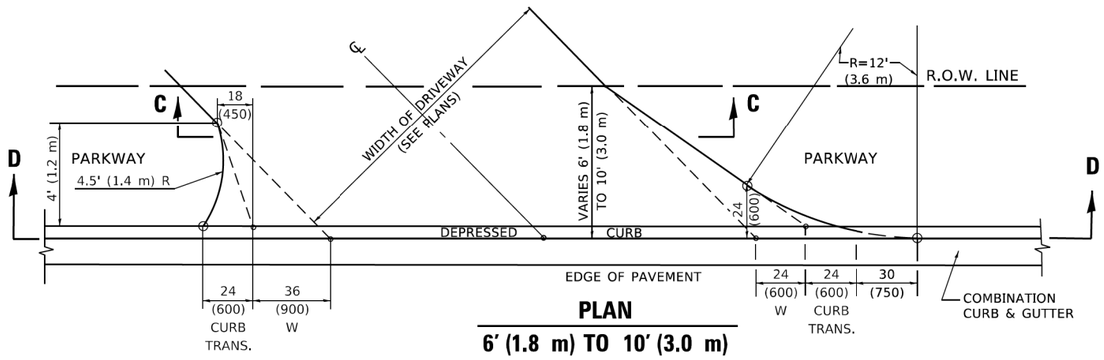
PLAN

10′ (3.0 m) TO < 15′ (4.5 m)



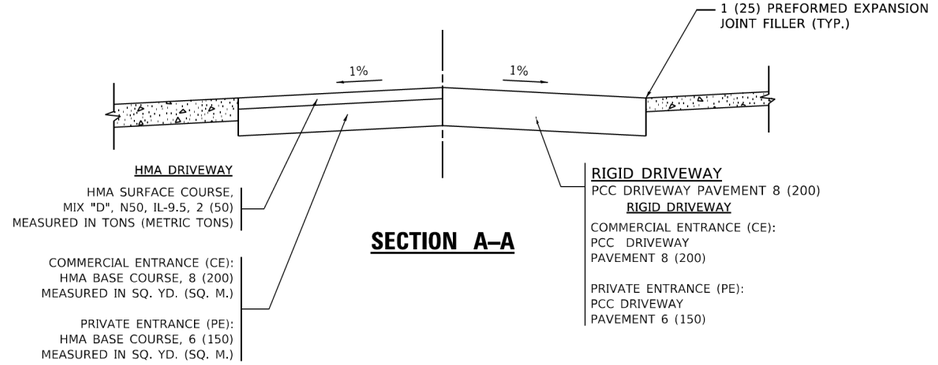
PLAN

6′ (1.8 m) TO < 10′ (3.0 m)

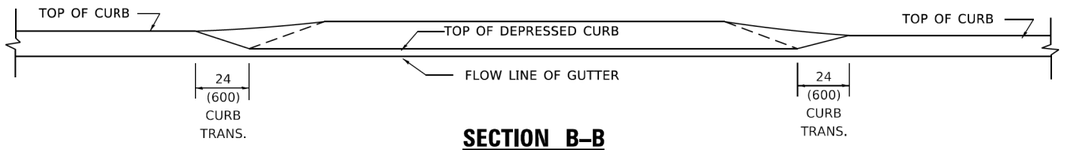


PLAN

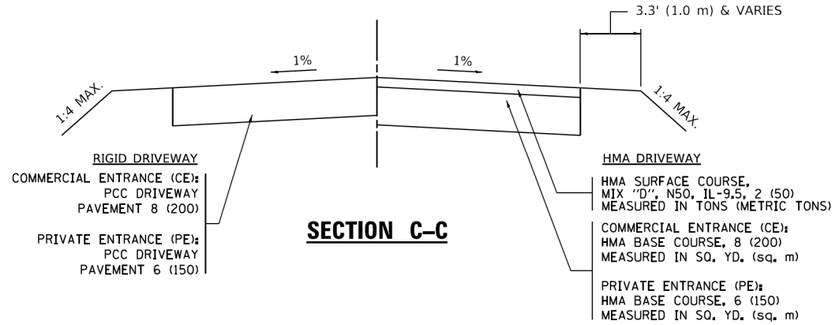
6′ (1.8 m) TO 10′ (3.0 m)



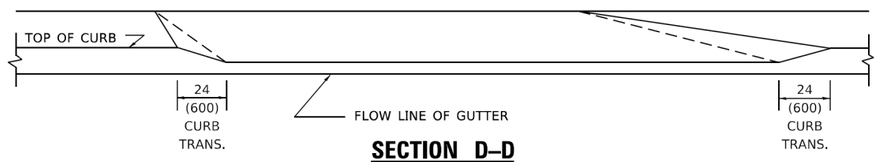
SECTION A–A



SECTION B–B



SECTION C–C



SECTION D–D

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DRIVEWAY DETAILS** **DISTANCE BETWEEN ROW AND FACE OF CURB < 15′ (4.5m)**	
	DRAWN -	REVISED - R. BORO 09-06-11			
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 08-27-19			
PLOT DATE = 11/18/2022	DATE - 11-06-95	REVISED - K. SMITH 11-18-22		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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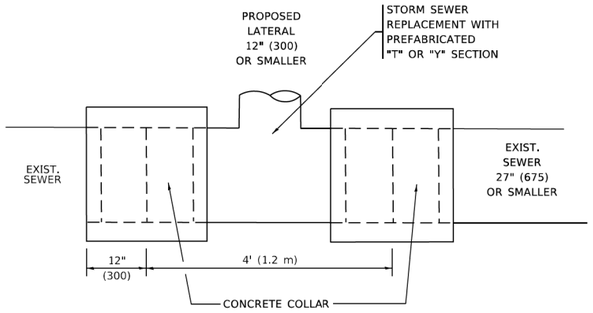
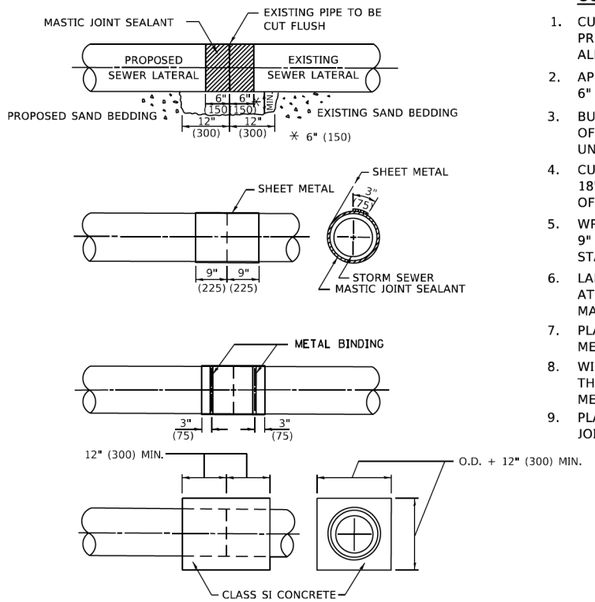
	ILLINOIS FED. AID PROJECT			



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

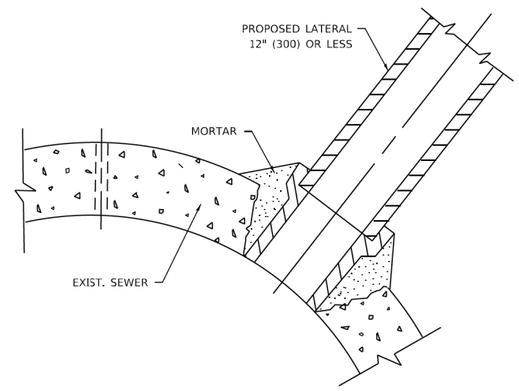


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
- A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
- B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	
	DRAWN -	REVISED - R. SHAH 10-25-94	
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PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	BD500-01 (BD-07)	CONTRACT NO. 61D77		
	ILLINOIS FED. AID PROJECT			

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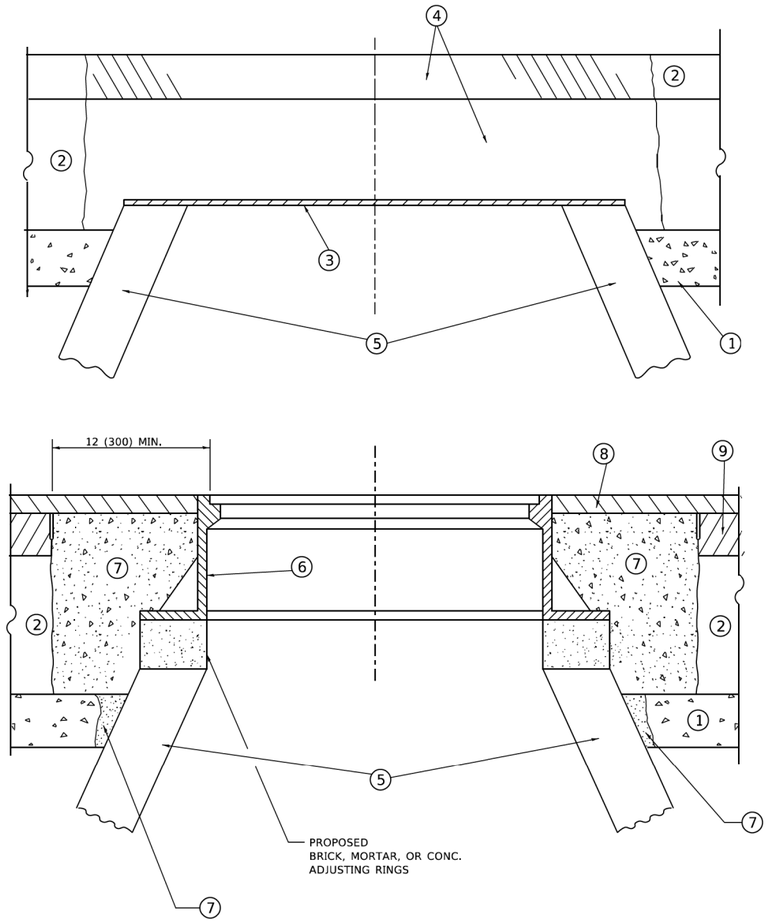

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS PP-2* CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	DRAWN -	REVISED - R. BORO 12-06-11	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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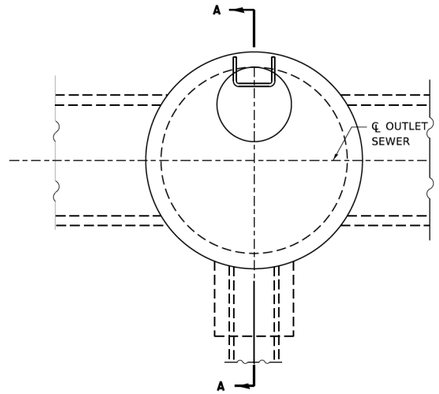
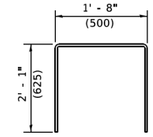
	BD600-03 (BD-08)	CONTRACT NO. 61D77		
	ILLINOIS FED. AID PROJECT			



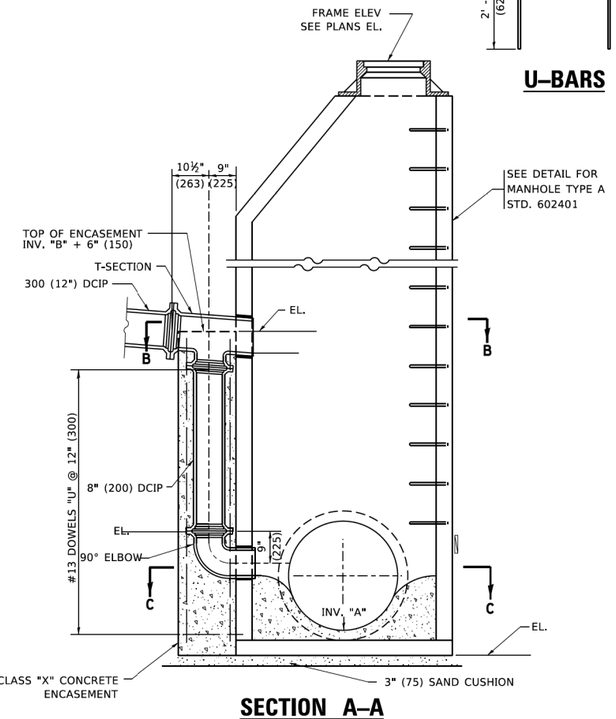
PLAN

FOR LOCATION SEE DRAINAGE PLANS

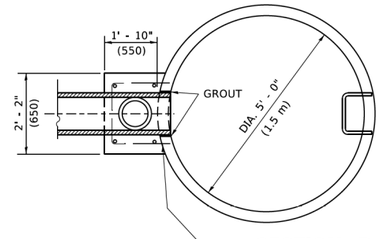
ENCASEMENT DETAILS				
DROP M.H. LOCATION STA., OFFSET				
INV. "A"				
INLET PIPE				
INV. "B"				
INV. "C"				
A				
B				
"V" BAR LENGTH				
NO. OF "U" BARS				
REINF. BARS				
CLASS "SI" CONC. CUBIC METER (CU. YD.)				



U–BARS

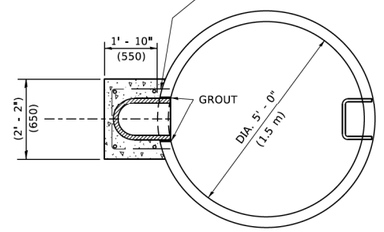


SECTION A–A



SECTION B–B

DRILL 1 1/4 " (30) HOLE IN MANHOLE RISER WALLS, FILL WITH MORTAR AND INSERT DOWELS. (TYPICAL FOR ALL DOWELS)



SECTION C–C

TYPE A1-1 MANHOLE WITH 1 DROP AND DEPTH UP TO 10' (3 m)
TYPE A1-2 " " 1 " " " FROM 10' TO 15' (3 m TO 1.5 m)
TYPE A1-3 " " 1 " " " FROM 15' TO 20' (1.5 m TO 6 m)
TYPE A1-4 " " 1 " " " OVER 20' (6 m)

TYPE A2-1 MANHOLE WITH 2 DROPS AND DEPTH UP TO 10' (3 m)
TYPE A2-2 " " 2 " " " FROM 10' TO 15' (3 m TO 1.5 m)
TYPE A2-3 " " 2 " " " FROM 15' TO 20' (1.5 m to 6 m)
TYPE A2-4 " " 2 " " " OVER 20' (6 m)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	DRAWN -	REVISED -	
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PLOT DATE = 3/27/2019	DATE - 10-18-02	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DROP MANHOLE DETAILS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	94A
	BD600–05 (BD–16)	CONTRACT NO. 61D77		
		ILLINOIS FED. AID PROJECT		

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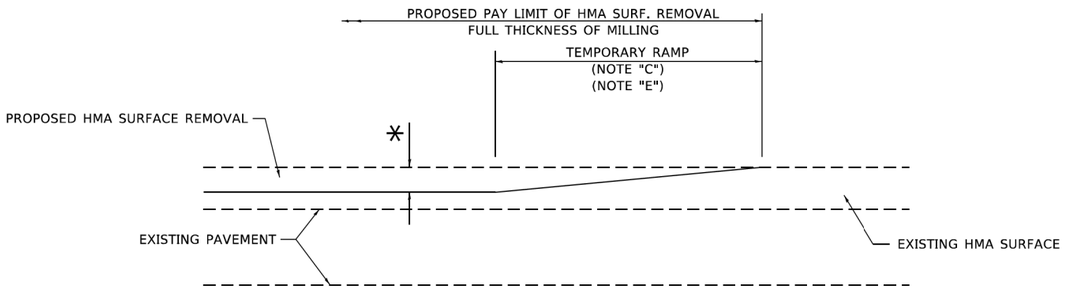
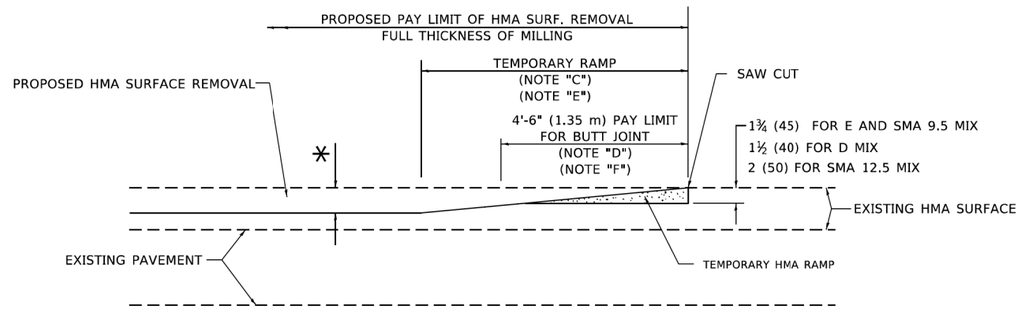


MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

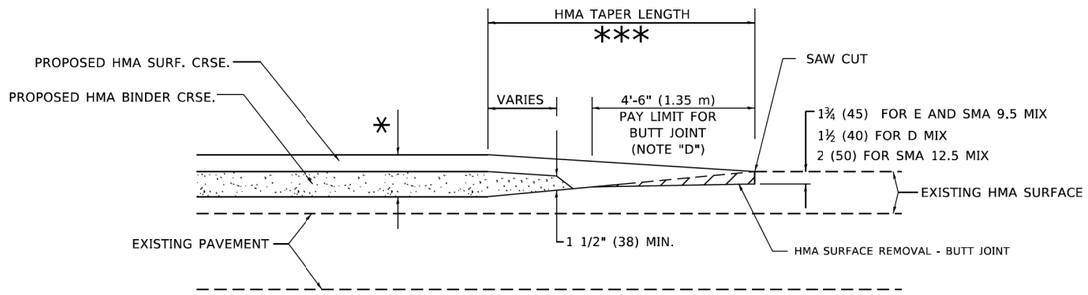


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

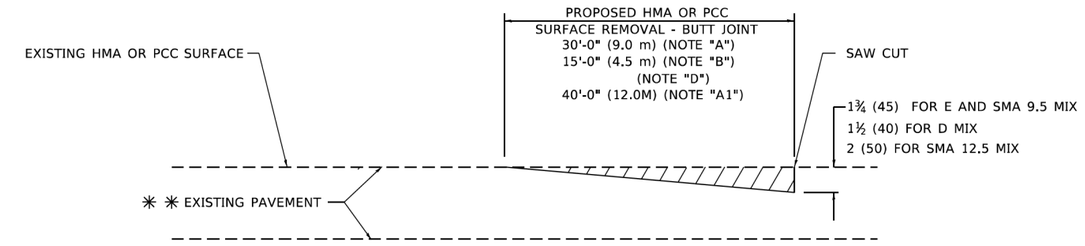
OPTION 2

TYPICAL TEMPORARY RAMP

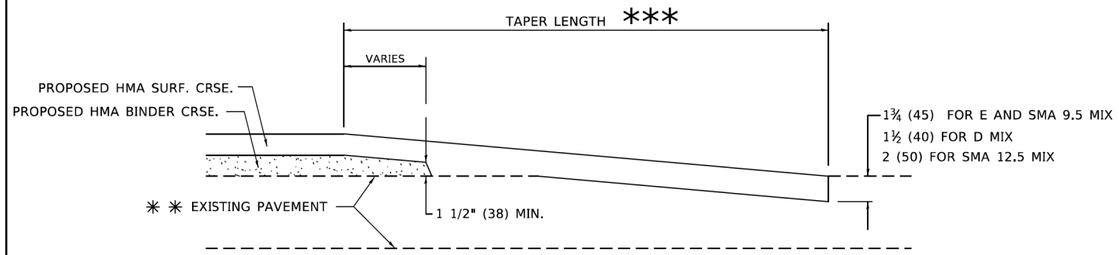


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 04-06-01	
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PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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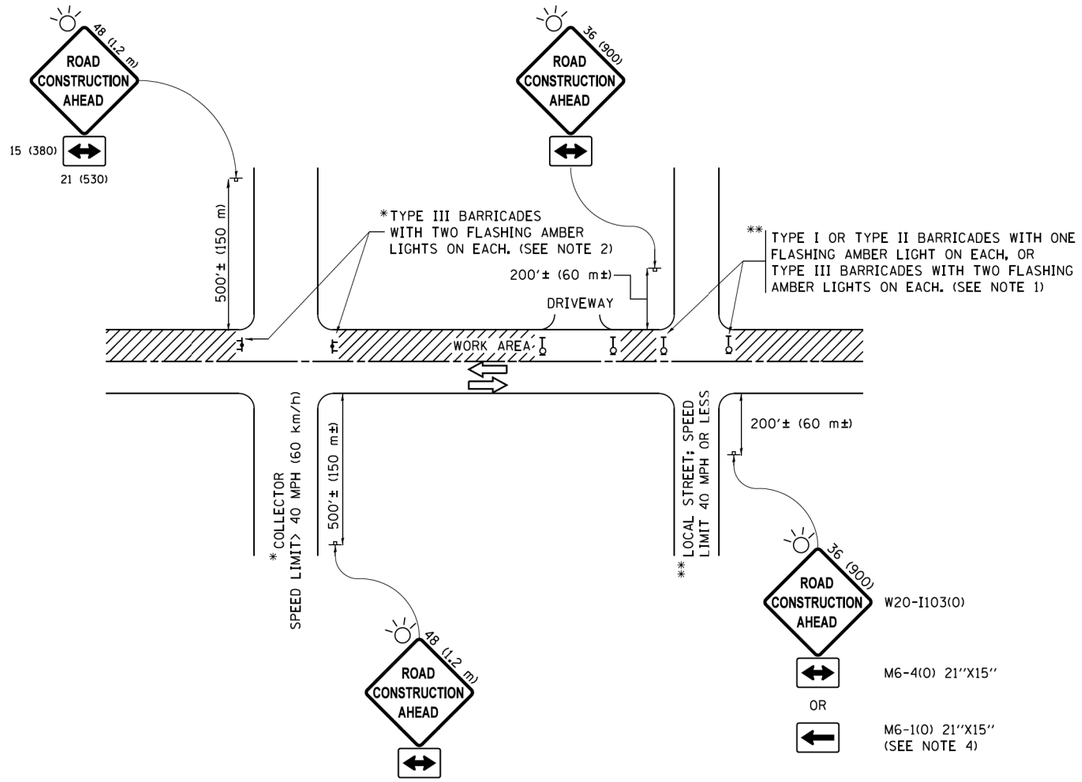
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE ''ROAD CONSTRUCTION AHEAD'' SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE ''ROAD CONSTRUCTION AHEAD'' SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

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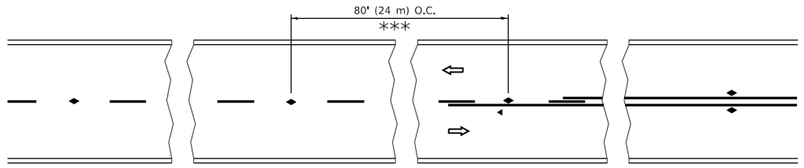
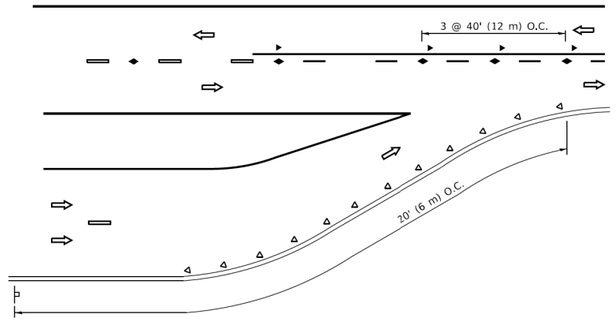


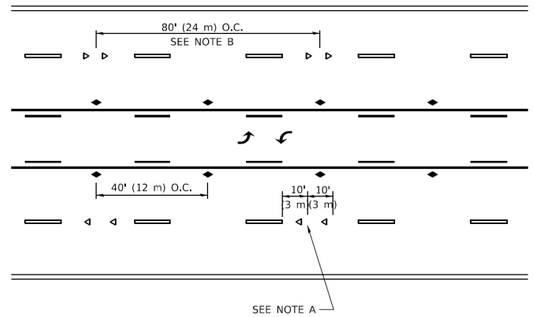
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

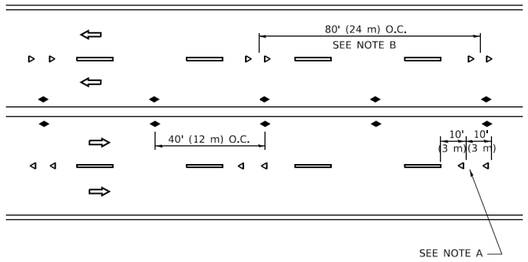
SEE FIGURE 3B-14 MUTCD

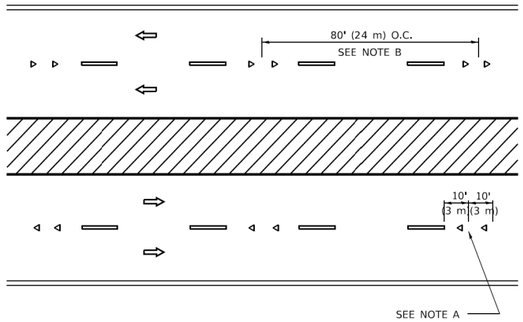


LANE REDUCTION TRANSITION



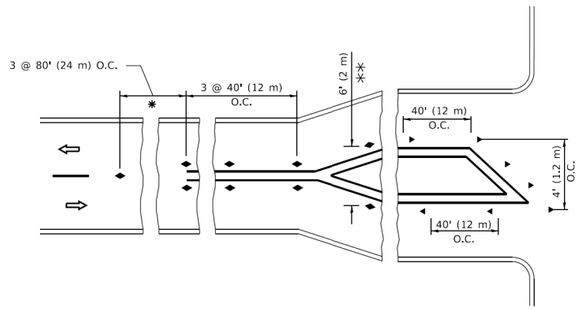
TWO–WAY LEFT TURN

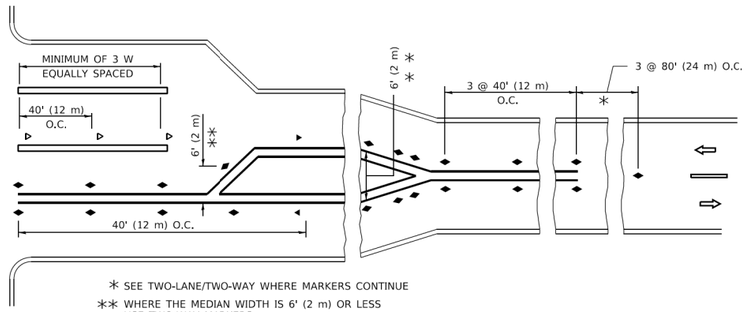




MULTI–LANE/UNDIVIDED

MULTI–LANE/DIVIDED





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	96A
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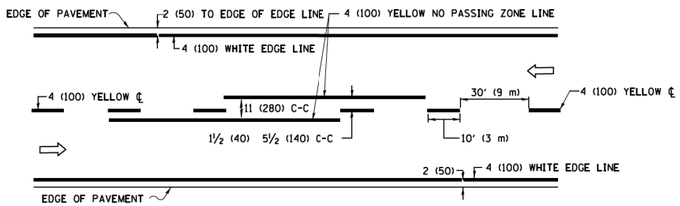
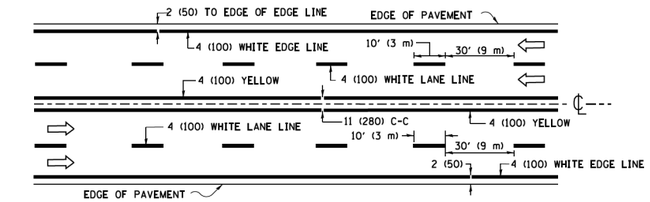
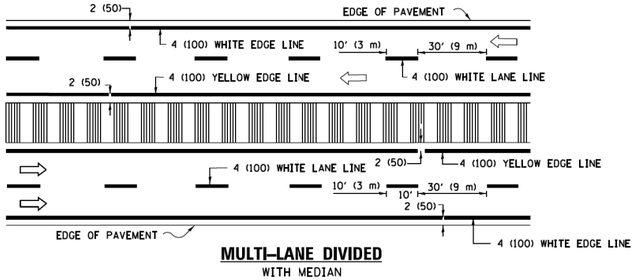


2–LANE ROADWAY

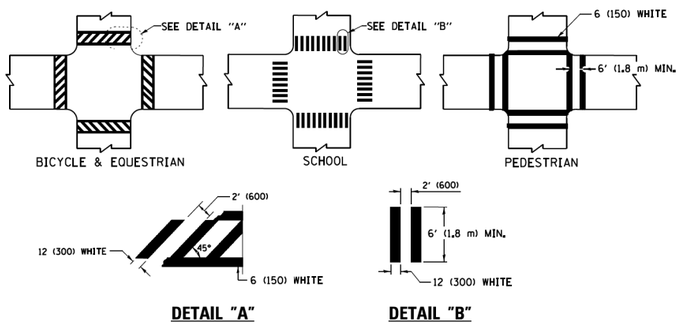


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

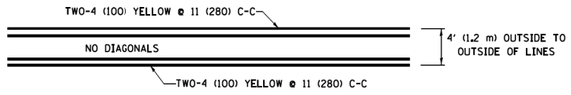
TYPICAL LANE AND EDGE LINE MARKING



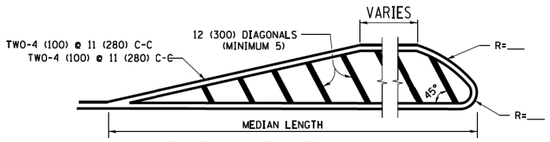
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



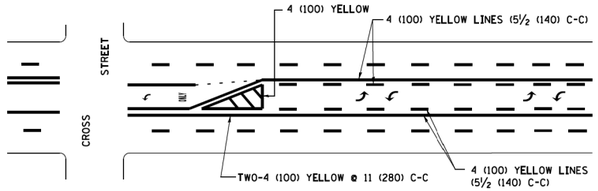
4' (1.2 m) WIDE MEDIANS ONLY



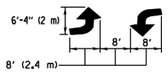
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

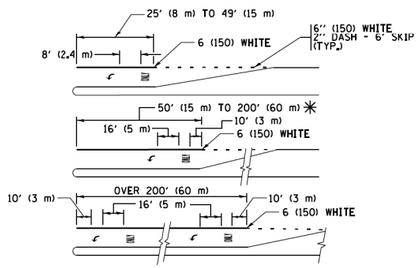


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

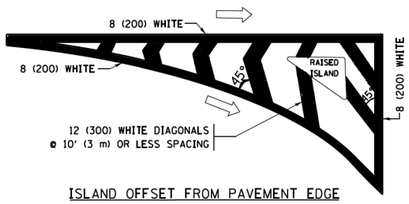


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

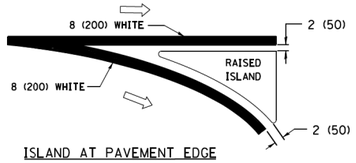
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

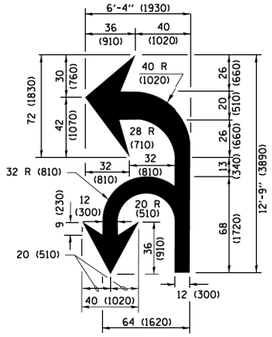


ISLAND OFFSET FROM PAVEMENT EDGE

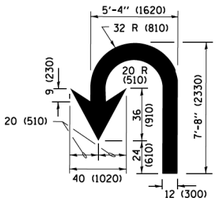


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

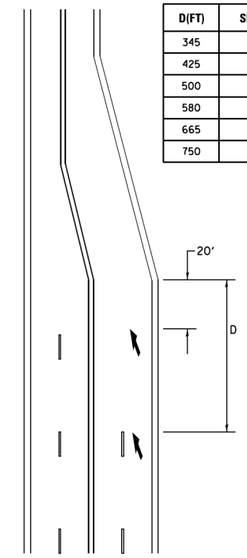


COMBINATION LEFT AND U–TURN



U–TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55



LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⌀ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⌀ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1,8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2,4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⌀ 4 (100) EACH DIRECTION 8' (2,4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⌀ 6 (150) 12 (300) ⌀ 45° 12 (300) ⌀ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1,8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1,2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⌀ 4 (100) WITH 12 (300) DIAGONALS ⌀ 45° NO DIAGONALS USED FOR 4' (1,2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⌀ 45°	SOLID	WHITE	DIAGONALS: 15' (4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1,8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3,6 SQ. FT. (0,33 m^2) EACH "X"=54,0 SQ. FT. (5,0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) ⌀ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16,3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30,4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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Default	PLOT DATE = 4/13/2016	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2791	12-00106-00-PV	COOK	125	97
	TC–13	CONTRACT NO. 61D77		
		ILLINOIS FED. AID PROJECT		

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TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

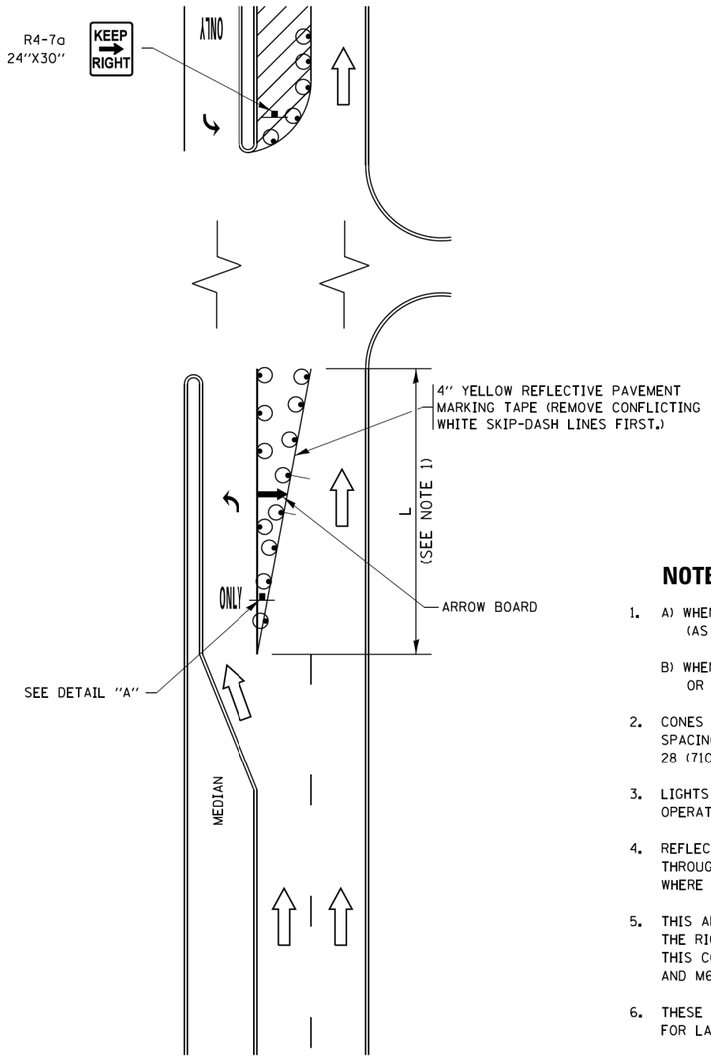


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I10OR 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

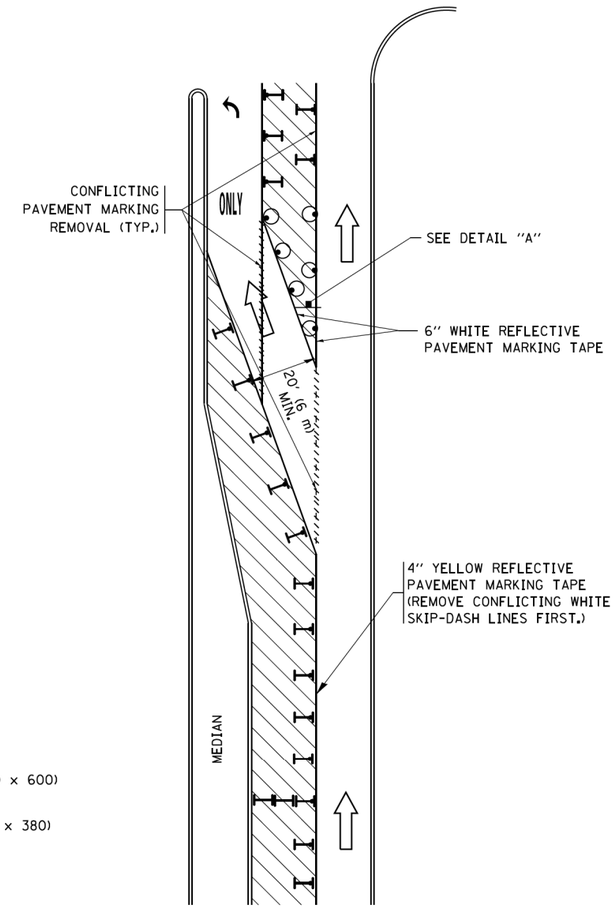
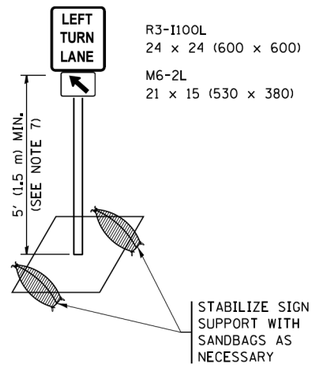


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT SCALE = 50.0000 ' / in.	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13		
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		REVISED -T. RAMMACHER 01-06-00	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-14	CONTRACT NO. 61D77		
	ILLINOIS FED. AID PROJECT			

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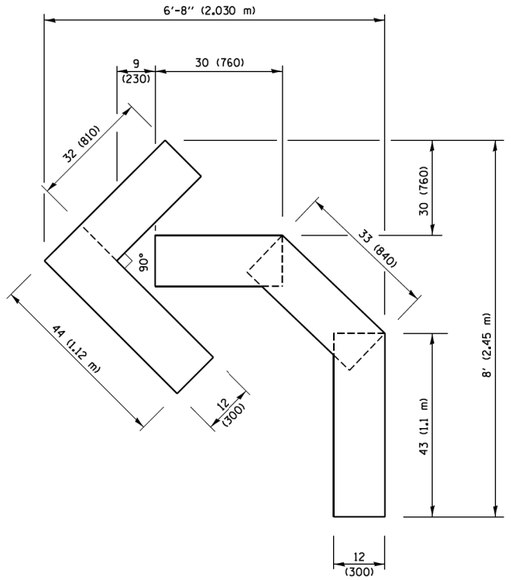
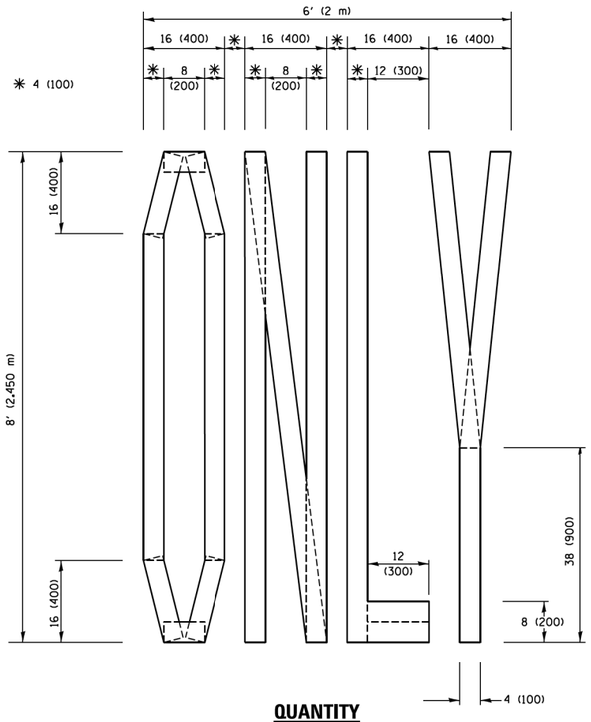


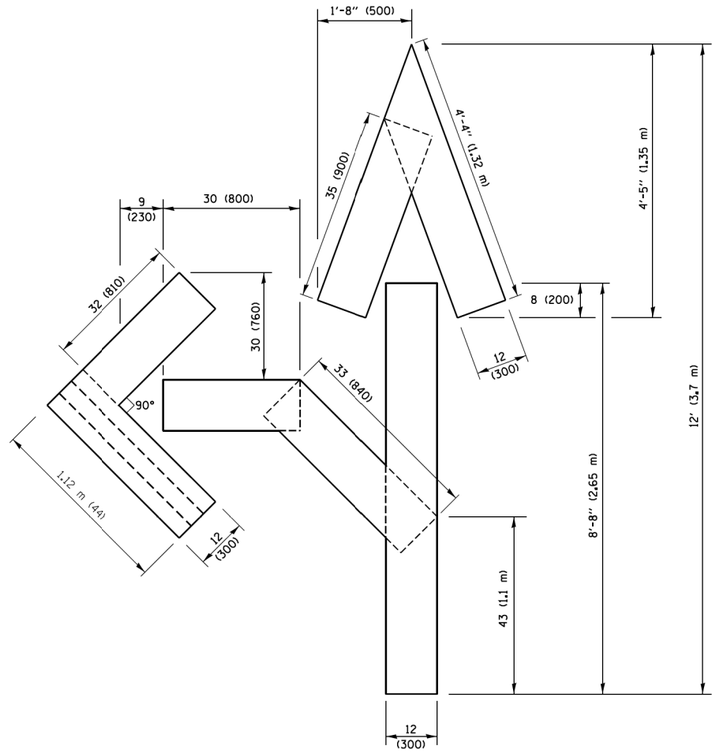
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

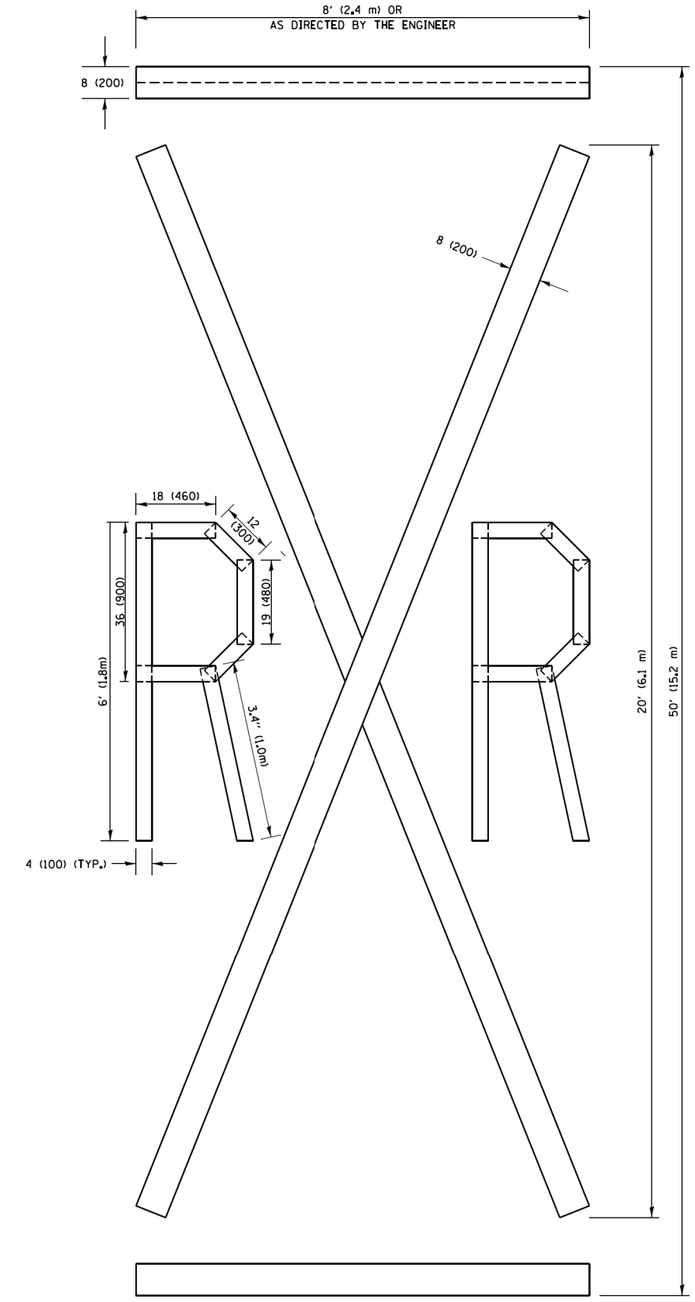


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 9/15/2016	DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-16	CONTRACT NO. 61D77		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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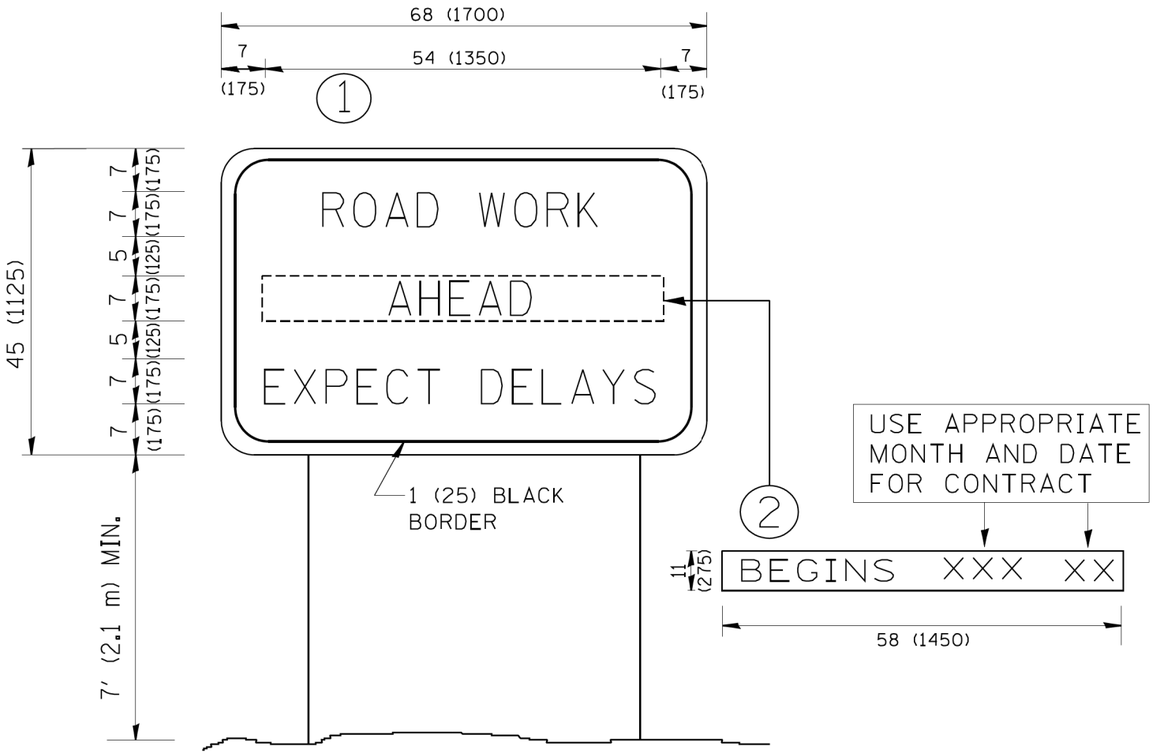
tc16.dgn 9/15/2016 12:45:20 PM User:footemj



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DRAWN -	REVISED - R. MIRS 12-11-97		
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-22	**CONTRACT NO. 61D77**		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		