F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	87	1
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	XEW5(656)	

CONTRACT #61J12

01-20-2023 LETTING ITEM 047

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

INDEX OF SHEETS
SEE SHEET NO. 2

HIGHWAY STANDARDS
SEE SHEET NO. 2

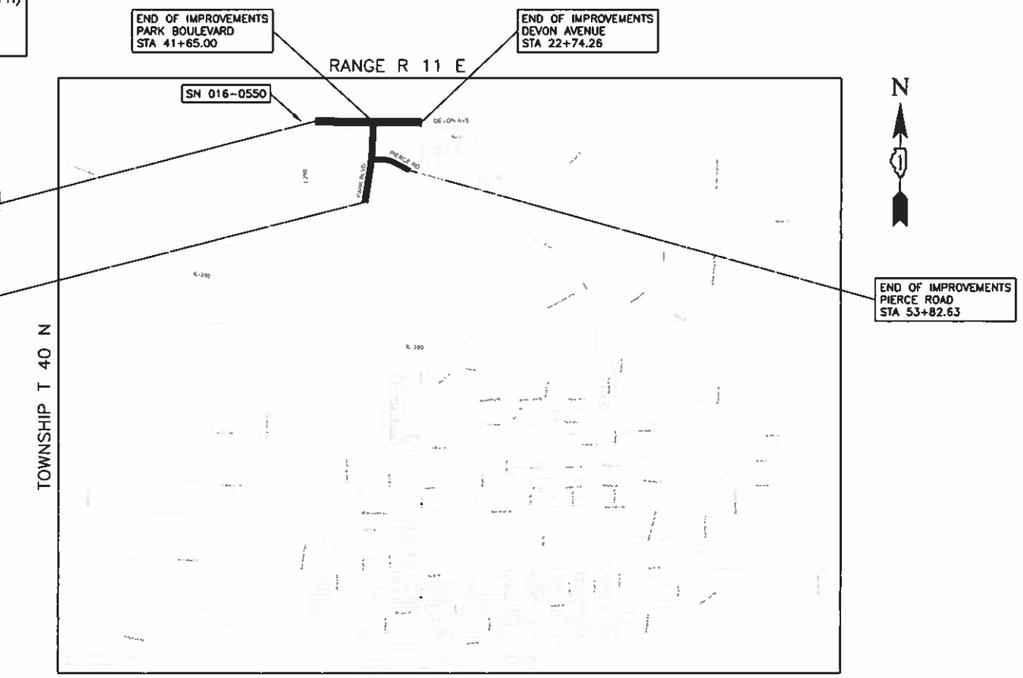
INTERSECTION IMPROVEMENTS
(FAU 1346) DEVON AVENUE, (FAU 2997) PARK BOULEVARD & PIERCE ROAD
SECTION NO.: 19-00066-00-CH
FEDERAL PROJECT NO.: XEW5(656)
VILLAGE *of* ITASCA
DUPAGE COUNTY & COOK COUNTY
C-91-110-21

DESIGN DESIGNATION – DEVON AVENUE (FAU 1346) ADT 26,200 – MINOR ARTERIAL
PARK BOULEVARD (FAU 2997) ADT 9,200 – MINOR COLLECTOR
PIERCE ROAD ADT 5,000 – LOCAL ROAD
% DESIGN TRAFFIC IN DESIGN LANE
PV=96% S=3% M=1%
ACTUAL TF=.05
SSS=FAIR

2022 ADT – 26,800/7,600/4,500 (DEVON/PARK/PIERCE)
2025 ADT – 26,200/9,200/5,000 (DEVON/PARK/PIERCE)

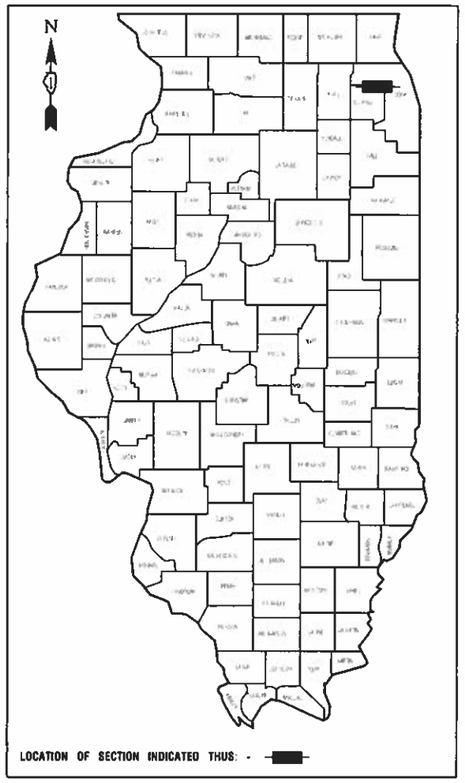
POSTED SPEED LIMIT – DEVON AVE (45 MPH)/PARK BLVD & PIERCE RD (35 MPH)

DESIGN PERIOD – 25 YEARS
DESIGN SPEED LIMIT – DEVON AVE (45 MPH)/PARK BLVD & PIERCE RD (35 MPH)
STREET CLASSIFICATION – DEVON AVENUE – MINOR ARTERIAL
PARK BOULEVARD – MINOR COLLECTOR
PIERCE ROAD – LOCAL ROAD



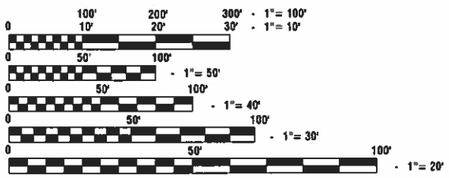
LOCATION MAP

GROSS LENGTH= 2,508 FEET= 0.48 MILES
NET LENGTH= 2,508 FEET= 0.48 MILES



LOCATION OF SECTION INDICATED THUS: -

SCALES
PLAN - 1"=50'
PROFILE HORIZ. - 1"=50'
PROFILE VERT. - 1"=5'
CROSS SECTIONS - 1"=10'



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. 61J12

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved NOV. 1, 2022
Village Manager of Itasca

Passed NOV 7, 2022
District 1 Engineer of Local Roads & Streets

Released for Bid Based on Limited Review NOVEMBER 7, 2022
Regional Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

11/01/2022

STEVEN D. KAMINSKY
062-077042
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

LICENSE EXPIRES: 11/30/23

I.D.O.T. FEDERAL AID DESIGN ENGINEER: CARMEN RAMOS, P.E., SCHAUMBURG, IL
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

18R0939_02-COVR-01 - C02

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN, TYPE A
602301-04	INLET, TYPE A
604051-04	FRAME AND GRATE, TYPE 11
604091-05	FRAME AND GRATE, TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24' (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701422-10	LANE CLOSURE, MULTILANE, 45-55MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OP 45 MPH OR MORE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OP LOW OR EQUAL 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTIONS DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRIC SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAM AND PHASE SEQUENCE
862001-01	UNINTERRUPTABLE POWER SUPPLE (UPS)
873001-02	TRAFFIC SIGNAL GROUND AND BONDING
877001-08	STEEL MAST ARM ASSEMBLY POLE 16' THRU 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

1. ALL ROADWAY CONSTRUCTION SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022 BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND ALL AMENDMENTS THERETO, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE SPECIFICATIONS FOR CONSTRUCTION IN THE VILLAGE OF ITASCA AND IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.
2. ALL STORM SEWER, SANITARY SEWER AND WATER MAIN CONSTRUCTION SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION, AND IN ACCORDANCE WITH THE SPECIFICATIONS FOR CONSTRUCTION IN THE VILLAGE OF ITASCA UNLESS OTHERWISE NOTED ON THE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLAN. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800–892–0123 AND THE VILLAGE OF ITASCA FOR UTILITY LOCATIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NATURE AND STATUS OF ALL UTILITY RELOCATION WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT CONSTRUCTION OPERATIONS DO NOT INTERFERE WITH UTILITY FACILITIES AND RELOCATION WORK. THE SCHEDULE SHOULD REFLECT CONSTRUCTION SEQUENCING, WHICH COORDINATES WITH ALL UTILITY RELOCATION WORK. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE ORDER OF ITS WORK FROM TIME TO TIME, TO COORDINATE SAME WITH UTILITY RELOCATION WORK, AND SHALL PREPARE REVISED SCHEDULE (S) IN COMPLIANCE THEREWITH AS DIRECTED BY THE OWNER. THE OWNER AND THE ENGINEER SHALL BE NOTIFIED IN WRITING BY THE CONTRACTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY OPERATION REQUIRED COOPERATION WITH OTHERS. ALL OTHER AGENCIES, UNLESS OTHERWISE NOTED, WILL BE NOTIFIED IN WRITING BY THE CONTRACTOR TEN (10) DAYS PRIOR TO THE START OF ANY SUCH OPERATION. THE UTILITY COMPANIES HAVE BEEN CONTACTED IN REFERENCE TO UTILITIES THEY OWN AND OPERATE WITHIN THE LIMITS FOR THIS PROJECT. ALL KNOWN DATA FROM THESE AGENCIES HAS BEEN INCORPORATED INTO THE PLANS. IT IS HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM OR ESTABLISH THE EXISTENCE OF ALL UTILITY FACILITIES AND THEIR EXACT LOCATIONS, WHETHER CONTAINED IN THE DATA SUBMITTED BY THESE AGENCIES OR NOT, AND TO SAFELY SCHEDULE ALL UTILITY RELOCATIONS.
5. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED. ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET BY THE CONTRACTOR AS APPROVED BY THE ENGINEER.
6. REMOVAL OF SPECIFIED ITEMS, INCLUDING BUT NOT LIMITED TO, PAVEMENT, SIDEWALK, CURB, CURB AND GUTTER, CULVERTS, ETC. SHALL BE DISPOSED OF OFF–SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ANY PERMITS REQUIRED FOR SUCH DISPOSAL. THE REMOVAL SHALL BE ACCOMPLISHED BY MEANS OF A SAW CUT JOINT, AT THE DIRECTION OF THE ENGINEER.
7. THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE HAULING AND DISPOSAL REQUIRED FOR CLEAN–UP AS DIRECTED BY THE ENGINEER OR OWNER. BURNING ON THE SITE IS NOT PERMITTED.
8. AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FORM DIRT AND DEBRIS.
9. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
10. THE TRENCHES FOR PIPE INSTALLATION SHALL BE KEPT DRY AT ALL TIMES DURING PIPE PLACEMENT. APPROPRIATE FACILITIES TO MAINTAIN THE DRY TRENCH SHALL BE PROVIDED BY THE CONTRACTOR.
11. TRENCH BACKFILL WILL BE REQUIRED TO THE FULL DEPTH ABOVE SEWERS AND WATER MAIN WITHIN TWO (2) FEET OF PROPOSED OR EXISTING PAVEMENT.
12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
13. THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS FROM THE NOMINAL THICKNESS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA SURFACE IS PLACED.
14. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES BY LIMITING CURB AND GUTTER REPAIR TO ONE–HALF THE DRIVEWAY WIDTH AT ONE TIME AS THROUGH THE USE OF AGGREGATE FOR TEMPORARY ACCESS.
15. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE RIGHT OF WAY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
16. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN–HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN–HOSADURGA@ILLINOIS.GOV, ROBINSON ENGINEERING (708)331–6700 AND THE VILLAGE OF ITASCA (630)773–2455 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
17. THE CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLAN MATERIAL REQUIREMENTS STATED HEREIN.
18. THE VILLAGE OF ITASCA DOES NOT DESIRE THE USE OF SIDE CURBS AT CURB RAMPS IF POSSIBLE. NO SIDE CURBS SHALL BE INSTALLED AT CURB RAMPS. IF THE NEED ARISES TO MAINTAIN ADA COMPLIANCE, THE ENGINEER SHALL BE CONSULTED PRIOR TO INSTALLING FORMS AND POURING SIDEWALK CONCRETE.
19. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

EARTHWORK QUANTITIES

TOTAL CUT (WITHOUT PAVEMENT AND MEDIAN REMOVAL) =	473	CY
TOTAL AVAILABLE CUT TO FILL =	473	CY
TOTAL FILL =	592	CY
CUT TO FILL (15% SHRINKAGE) =	681	CY
FURNISHED EXCAVATION (FILL - CUT TO FILL) =	208	CY

STORM SEWER NOTES

1. ON ALL IMPROVEMENTS THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF ITASCA AND BE SALVAGED. THE OWNER SHALL BE NOTIFIED AS TO AVAILABILITY FOR PICK–UP.
2. THE TOP OF ALL STRUCTURES SHALL BE FLUSH WITH THE ADJACENT SURFACE OR AT THE INDICATED ELEVATIONS SHOWN ON THE PLANS.
3. FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED.
4. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001–05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER.
5. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ARTICLE 550.07 (b, c) OF THE SSRBC WILL NOT BE ALLOWED.

EARTHWORK NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE SOIL AND GROUNDWATER CONDITIONS AT THE SITE.
2. THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE AND SUBGRADE ELEVATIONS (AS NOTED) AND THAT PAVEMENT THICKNESS, TOPSOIL, ETC. MUST BE ACCOUNTED FOR.
3. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION, AND PREVENT STORMWATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS. THE FAILURE TO PROVIDE PROPER DRAINAGE WILL NEGATE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION AND TRAFFIC.
4. PLANS FOR THE SITE DEWATERING, IF EMPLOYED, SHALL BE SUBMITTED AND APPROVED PRIOR TO IMPLEMENTATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE "SOIL EROSION AND SEDIMENTATION CONTROL MEASURES". THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF SILT AND FILTER FENCING, ETC. TO PROTECT ADJACENT PROPERTY, WETLANDS, ETC. SHALL OCCUR BEFORE GRADING BEGINS.
6. ALL STORM INLETS SHALL BE PROTECTED BY INLET FILTERS. PLACEMENTS AND MAINTENANCE OR SILT BARRIER SHALL BE AS DIRECTED BY THE ENGINEER, BASED ON ACTUAL GRADING. GRADE THE AREA WITHIN FOUR (4) FEET AROUND STRUCTURES ONE (1) FOOT BELOW RIM TO SERVE AS A SEDIMENTATION BASIN DURING CONSTRUCTION.
7. FINAL LOCATION OF SILT FENCE SHALL BE ADJUSTED BASED ON ACTUAL SITE GRADING CONDITIONS. ADDITIONAL MEASURES SHALL BE ADDED AS DIRECTED BY THE ENGINEER.
8. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDED AS SOON AS PRACTICAL.
9. TOPSOIL STRIPPING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
10. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM–AXLE TRUCK.
11. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI 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. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACEED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

LANDSCAPING NOTES

1. EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIAL ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
2. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

COMMITMENTS

NONE

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
		20101000	TEMPORARY FENCE	FOOT	100			100		
	#	20101200	TREE ROOT PRUNING	EACH	6			6		
	#	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	4			4		
		20200100	EARTH EXCAVATION	CU YD	475	475				
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400	400				
		20400800	FURNISHED EXCAVATION	CU YD	210	210				
		20800150	TRENCH BACKFILL	CU YD	10	10				
		21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	2,565			2,565		
*		21301084	EXPLORATION TRENCH 84" DEPTH	FOOT	100	100				
		25200100	SODDING	SQ YD	2,565			2,565		
		25200200	SUPPLEMENTAL WATERING	UNIT	70			70		
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	55			55		
		28000305	TEMPORARY DITCH CHECKS	FOOT	80			80		
		28000400	PERIMETER EROSION BARRIER	FOOT	1,575			1,575		
		28000510	INLET FILTERS	EACH	15			15		
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2,565			2,565		
		28100107	STONE RIPRAP, CLASS A4	SQ YD	50			50		

FILE NAME = 18R0939_02-QUAN-01 - Q01

USER NAME =	DESIGNED — SDK	REVISED —	
	CHECKED — MAW	REVISED —	
PLOT SCALE =	DRAWN — RG	REVISED —	
PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 3 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1348 & 2997	19-00066-00-CH	DUPAGE	67	3
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
		28200200	FILTER FABRIC	SQ YD	50			50		
*		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	400	400				
*		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1,050	1,050				
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,070	1,070				
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	510	510				
		35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	310	310				
		35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	200	200				
		35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	210	210				
*		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50	50				
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,130	1,130				
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,485	9,485				
		40600370	LONGITUDINAL JOINT SEALANT	FOOT	8,395	8,395				
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	50	50				
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	90	90				
		40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	640	640				
		40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	550	550				
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	850	850				

FILE NAME = 18R0939_02-QUAN-01 - Q02

USER NAME =		DESIGNED - SDK	REVISED -
		CHECKED - MAW	REVISED -
PLOT SCALE =		DRAWN - MED	REVISED -
PLOT DATE =	11/01/2022	CHECKED - APG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 4 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1340 & 2997	19-00066-00-CH	DUPAGE	67	4
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
		40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	650	650				
		42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	75	75				
*		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	895	895				
*		42400800	DETECTABLE WARNINGS	SQ FT	120	120				
		44000100	PAVEMENT REMOVAL	SQ YD	265	265				
		44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	13,225	13,225				
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	100	100				
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,620	1,620				
		44000600	SIDEWALK REMOVAL	SQ FT	390	390				
		44003100	MEDIAN REMOVAL	SQ FT	6,095	6,095				
		44201349	CLASS C PATCHES, TYPE I, 10 INCH	SQ YD	50	50				
		44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	150	150				
		44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	200	200				
		44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	250	250				
		44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	50	50				
		44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	150	150				
		44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	200	200				

FILE NAME = 18R0239_02-QUAN-01 - 003

USER NAME =

PLOT SCALE =

PLOT DATE = 11/01/2022

DESIGNED — SDK | REVISED —

CHECKED — MAW | REVISED —

DRAWN — MED | REVISED —

CHECKED — APG | REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 5 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1395 & 2927	19-00066-00-CH	DUPAGE	67	5
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
		44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	250	250				
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	10	10				
		55100500	STORM SEWER REMOVAL 12"	FOOT	25	25				
*	#	56400100	FIRE HYDRANTS TO BE MOVED	EACH	1	1				
		60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	2				
		60500060	REMOVING INLETS	EACH	2	2				
*		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	100	100				
*		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,800	1,800				
		60618740	CONCRETE MEDIAN, TYPE M-2.12	SQ FT	1,485	1,485				
		60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	1,710	1,710				
		67100100	MOBILIZATION	L SUM	1	1				
		70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1		1			
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1			
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1			
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1			
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1			
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16		16			

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	10,005		10,005			
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3,780		3,780			
		70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS – PAINT	SQ FT	510		510			
		70300221	TEMPORARY PAVEMENT MARKING – LINE 4"– PAINT	FOOT	7,335		7,335			
		70300241	TEMPORARY PAVEMENT MARKING – LINE 6"– PAINT	FOOT	2,675		2,675			
		70300281	TEMPORARY PAVEMENT MARKING – LINE 24"– PAINT	FOOT	280		280			
	#	72000100	SIGN PANEL – TYPE 1	SQ FT	38		38			
	#	72000200	SIGN PANEL – TYPE 2	SQ FT	22		22			
	#	72400100	REMOVE SIGN PANEL ASSEMBLY – TYPE A	EACH	1		1			
	#	72400500	RELOCATE SIGN PANEL ASSEMBLY – TYPE A	EACH	4		4			
	#	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	190		190			
	#	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	11		11			
	#	78000100	THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS	SQ FT	475		475			
	#	78000200	THERMOPLASTIC PAVEMENT MARKING – LINE 4"	FOOT	6,005		6,005			
	#	78000400	THERMOPLASTIC PAVEMENT MARKING – LINE 6"	FOOT	2,520		2,520			
	#	78000500	THERMOPLASTIC PAVEMENT MARKING – LINE 8"	FOOT	1,070		1,070			
	#	78000600	THERMOPLASTIC PAVEMENT MARKING – LINE 12"	FOOT	150		150			

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
	#	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	280		280			
	#	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	40		40			
	#	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,330		1,330			
	#	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	185		185			
	#	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	40		40			
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	15		15			
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	175		175			
	#	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,645		1,645			
	#	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	180		180			
	#	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	980		980			
	#	81400100	HANDHOLE	EACH	8		8			
	#	81400200	HEAVY-DUTY HANDHOLE	EACH	6		6			
	#	81400300	DOUBLE HANDHOLE	EACH	4		4			
*	#	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1		1			
	#	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2			
	#	86400100	TRANSCEIVER - FIBER OPTIC	EACH	2		2			
	#	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	540		540			

FILE NAME = 16R0939_02-QUAN-01 - Q06

USER NAME =		DESIGNED - SDK	REVISED -
		CHECKED - MAW	REVISED -
PLOT SCALE =		DRAWN - MED	REVISED -
PLOT DATE =	11/01/2022	CHECKED - APG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 8 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1348 & 2997	19-00066-00-CH	DUPAGE	67	8
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
	#	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,545		1,545			
	#	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,895		2,895			
	#	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4,145		4,145			
	#	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,755		2,755			
	#	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,475		2,475			
*	#	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	260		260			
	#	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2,385		2,385			
	#	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	8		8			
	#	87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1		1			
	#	87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1			
	#	87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1		1			
	#	87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2		2			
	#	87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1			
	#	87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1		1			
	#	87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1		1			
	#	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	40		40			
	#	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8		8			

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
	#	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10		10			
	#	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	91		91			
	#	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	14		14			
	#	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10		10			
	#	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	7		7			
	#	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7		7			
	#	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8			
	#	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	21		21			
	#	88500100	INDUCTIVE LOOP DETECTOR	EACH	13		13			
	#	88600100	DETECTOR LOOP, TYPE I	FOOT	1,385		1,385			
*	#	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		2			
*	#	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	6		6			
*	#	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	6		6			
	#	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		2			
*	#	89502380	REMOVE EXISTING HANDHOLE	EACH	15		15			
	#	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2		2			
*	#	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	19		19			

FILE NAME = 16R0939_02-QUAN-01 - Q08	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES
		CHECKED — MAW	REVISED —		
	PLOT SCALE =	DRAWN — MED	REVISED —		
	PLOT DATE = 11/01/2022	CHECKED — APG	REVISED —		SCALE: SHEET NO. 10 OF 67 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1348 & 2297	19-00066-00-CH	DUPAGE	67	10
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
*	#	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,300		1,300			
*	#	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	8		8			
*	#	X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	2		2			
*	#	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2		2			
*	#	X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2		2			
*	#	X1400424	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	1,575		1,575			
*		X1700112	BRICK PAVER REMOVAL	SQ FT	470		470			
*	#	X2800002	PREFORMED THERMOPLASTIC PAVEMENT MARKING (SPECIAL)	SQ YD	435	435				
*		X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	3,520	3,520				
*	#	X6330705	RUB RAIL	FOOT	90		90			
*		X7010810	TRAFFIC CONTROL AND PROTECTION, STANDARD TC10	EACH	2		2			
*	#	X7810301	RECESSED REFLECTIVE PAVEMENT MARKER (HMA)	EACH	80		80			
*	#	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2		2			
*	#	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	540		540			
*	#	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8		8			
*		XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1					1
*		Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	100	100				

FILE NAME = 18R0939_02-QUAN-01 - Q09

USER NAME =

PLOT SCALE =

PLOT DATE = 11/01/2022

DESIGNED — SDK	REVISED —	
CHECKED — MAW	REVISED —	
DRAWN — MED	REVISED —	
CHECKED — APG	REVISED —	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

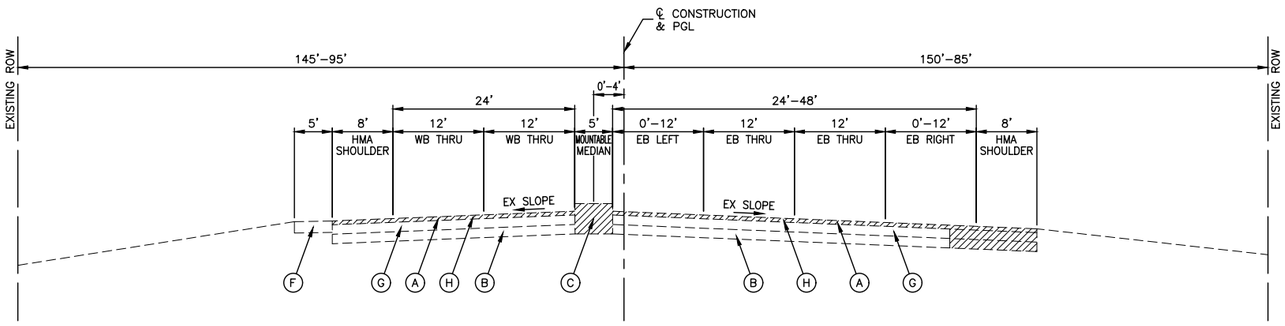
DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 11 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	11
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(658)		

S.P.	SPECIALTY ITEM	PAY CODE	PAY ITEM DESCRIPTION	UNIT		CONSTRUCTION CODE				
						ROADWAY	SAFETY	LNSC	TRAINEES	ROADWAY
						0004	0021	0031	0042	0004
						URBAN	URBAN	URBAN	URBAN	URBAN
					TOTAL QUANTITY	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	FED 80%/LOCAL 20%	LOCAL 100%
*		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	16	16				
*		Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	1	1				
*		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	100		100			
*	#	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2		2			
*	#	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		1			
*		Z0076600	TRAINEES	HOUR	1,000				1,000	
*		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000				1,000	

FILE NAME = 18R0939_02-QUAN-01 - Q10	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED — MAW	REVISED —			1346 & 2997	19-00066-00-CH	DUPAGE	67	12
	PLOT SCALE =	DRAWN — MED	REVISED —					CONTRACT NO. 61J12		
	PLOT DATE = 11/01/2022	CHECKED — APG	REVISED —		SCALE: SHEET NO. 12 OF 67 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

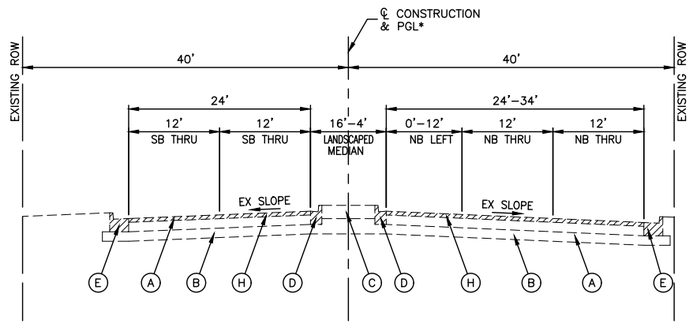


EXISTING TYPICAL SECTION

RESURFACING LIMITS
DEVON AVENUE
STA 14+73.77 TO STA 21+72.91

DEVON AVENUE
WEST LEG (EASTBOUND)
STA 10+63.72 TO STA 17+84.58

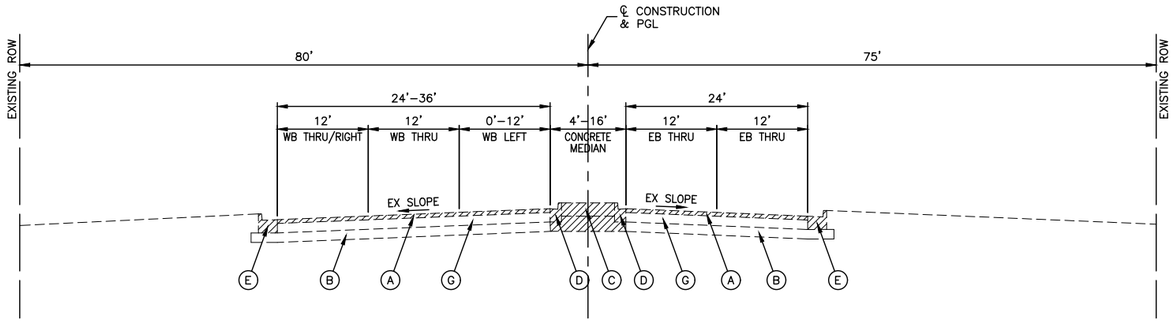
*PORTLAND CEMENT CONCRETE PAVEMENT WITH NO ASPHALT OVERLAY FROM STA 10+63.72 TO STA 14+73.77



EXISTING TYPICAL SECTION

RESURFACING LIMITS
PARK BOULEVARD
STA 32+50.00 TO STA 41+65.00

PARK BOULEVARD
SOUTH LEG (NORTHBOUND)
STA 32+50.00 TO STA 35+88.95

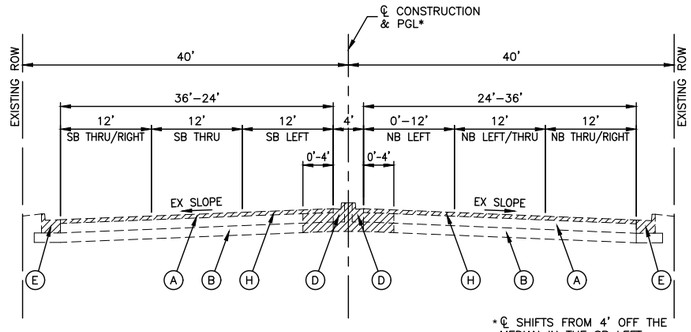


EXISTING TYPICAL SECTION

RESURFACING LIMITS
DEVON AVENUE
STA 14+73.77 TO STA 21+72.91

DEVON AVENUE
EAST LEG (WESTBOUND)
STA 17+84.58 TO STA 22+74.26

*PORTLAND CEMENT CONCRETE PAVEMENT WITH NO ASPHALT OVERLAY FROM STA 21+72.91 TO STA 22+74.26



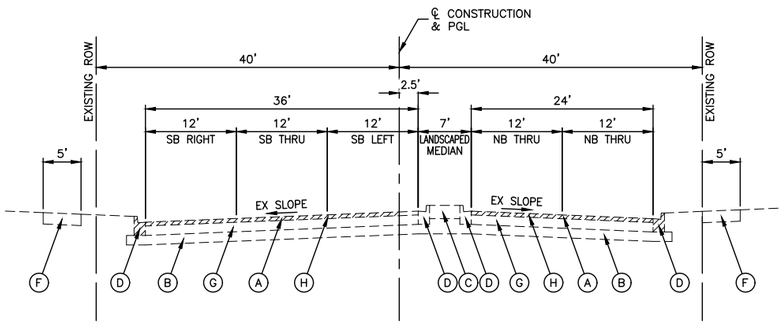
*℄ SHIFTS FROM 4' OFF THE MEDIAN IN THE SB LEFT LANE AT PIERCE RD TO 4' OFF THE MEDIAN IN THE NB LEFT LANE AT DEVON AVE.

EXISTING TYPICAL SECTION

RESURFACING LIMITS
PARK BOULEVARD
STA 32+50.00 TO STA 41+65.00

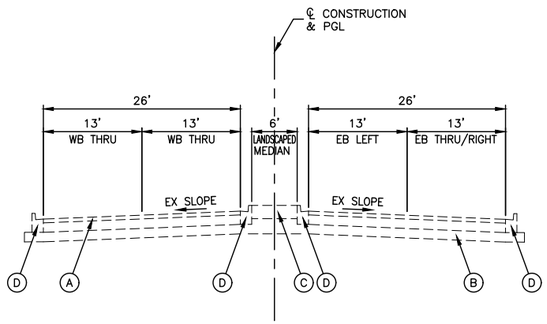
PARK BOULEVARD
DEVON AVENUE TO PIERCE ROAD (NORTHBOUND)
STA 35+88.95 TO STA 40+97.84

*℄ SHIFTS TO 4' OFF THE MEDIAN IN THE NB LEFT TURN LANE WHEN THE TURN LANE TAPER BEGINS



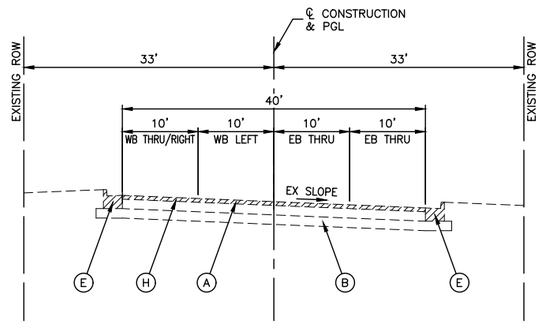
EXISTING TYPICAL SECTION

PARK BOULEVARD
NORTH LEG (SOUTHBOUND)
STA 41+44.99 TO STA 41+65.00



EXISTING TYPICAL SECTION

PIERCE ROAD
WEST LEG (EASTBOUND)
(PRIVATE DRIVE)



EXISTING TYPICAL SECTION

RESURFACING LIMITS
PIERCE ROAD
STA 50+00.00 TO STA 53+82.59

PIERCE ROAD
EAST LEG (WESTBOUND)
STA 50+00.00 TO STA 53+82.59

EXISTING LEGEND

- ITEM TO BE REMOVED
- (A) EXISTING HOT–MIX ASPHALT PAVEMENT:
  –DEVON AVENUE; ±3"
  –PARK BOULEVARD; ±9¾"–14¾"
  –PIERCE ROAD; ±9¾"–14¼"
- (B) EXISTING AGGREGATE SUBGRADE:
  –DEVON AVENUE; ±12"
  –PARK BOULEVARD; ±0"–6"
  –PIERCE ROAD; ±5"–12"
- (C) EXISTING MEDIAN (CONCRETE OR LANDSCAPED)
- (D) EXISTING COMBINATION CURB AND GUTTER, TYPE B–6.12
- (E) EXISTING COMBINATION CURB AND GUTTER, TYPE B–6.24
- (F) EXISTING CONCRETE SIDEWALK
- (G) EXISTING CONCRETE PAVEMENT, 10"
- (H) HOT–MIX ASPHALT SURFACE REMOVAL, 3"

NOTES:
1. CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND REPLACEMENT, AND CLASS C AND D PATCHES SHALL BE ACCORDING TO THE PLAN & PROFILE OR AS DIRECTED BY THE ENGINEER.
2. SEE PLAN & PROFILE SHEETS FOR PROPOSED ROW.
3. LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HOT–MIX ASPHALT BINDER COURSE.

PROPOSED LEGEND

1. HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–¾"
2. HOT–MIX ASPHALT BINDER COURSE, MIX "D", IL–9.5, N50, 1–½"
3. HOT–MIX ASPHALT BASE COURSE WIDENING, 9"
4. POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "E", IL–9.5, N70, 1–¾"
5. HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N70, 1–½"
6. HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 3"
7. PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 10"
8. NO. 6 TIE BARS – 24" LONG AT 24" C–C SPACING
9. COMBINATION CONCRETE CURB AND GUTTER, TYPE B–6.12
10. COMBINATION CONCRETE CURB AND GUTTER, TYPE B–6.24
11. CONCRETE MEDIAN, TYPE SB–6.12
12. AGGREGATE BASE COURSE, TYPE B 4"
13. AGGREGATE SUBGRADE IMPROVEMENT, 12"
14. AGGREGATE BASE COURSE, TYPE B 6"
15. CLASS D PATCHES, 9 INCH
16. CLASS C PATCHES, 10 INCH
17. TOPSOIL FURNISH AND PLACE, 6"
18. SODDING
19. PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL

STATION EQUATION
STA 17+84.58 ℄ DEVON AVE=
STA 40+97.84 ℄ PARK BLVD

STATION EQUATION
STA 35+88.95 ℄ PARK BLVD=
STA 50+00 ℄ PIERCE RD

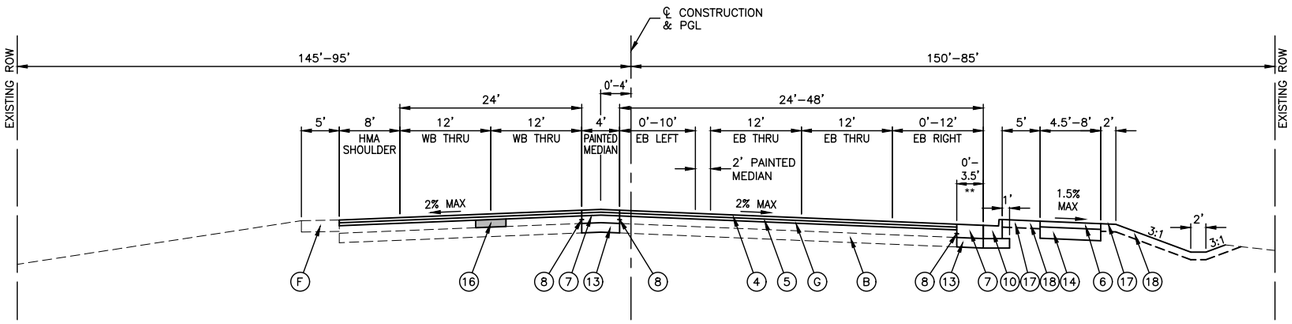
FILE NAME = 18R0939_02-TYPX-01 - IDOT P01	USER NAME =	DESIGNED – SDK	REVISED –
		CHECKED – MAW	REVISED –
	PLOT SCALE =	DRAWN – RG	REVISED –
	PLOT DATE = 11/01/2022	CHECKED – AG	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
EXISTING TYPICAL CROSS SECTIONS

SCALE: 1"=10' | SHEET NO. 13 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	13
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



PROPOSED TYPICAL SECTION

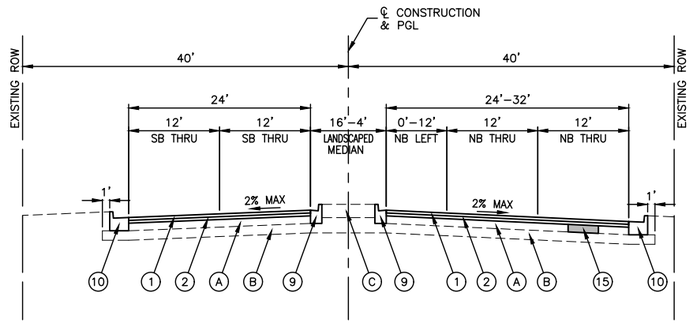
DEVON AVENUE & PARK BOULEVARD
WEST LEG (EASTBOUND)
STA 10+63.72 TO STA 17+84.58

RESURFACING LIMITS
DEVON AVENUE
STA 14+73.77 TO STA 21+72.91

*PORTLAND CEMENT CONCRETE PAVEMENT WITH NO ASPHALT OVERLAY FROM STA 10+63.72 TO STA 14+73.77

**CONCRETE PAVEMENT WIDENING IS FOR EXTENSION OF RIGHT TURN LANE, SHALL BE POURED MONOLITHICALLY WITH CURB AND GUTTER BUT SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 10"

THERE WILL BE NO ASPHALT OVERLAY IN THE CONCRETE WIDENING SECTION OR ON THE ADJACENT CONCRETE PAVEMENT TO THE CONCRETE WIDENING.

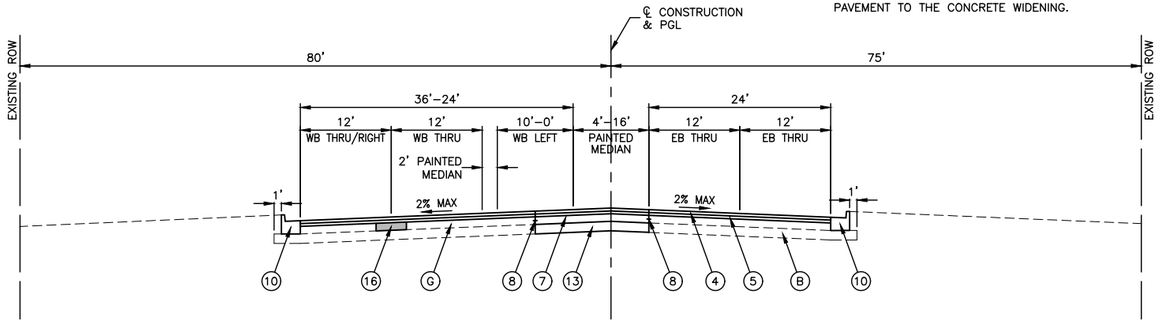


PROPOSED TYPICAL SECTION

PARK BOULEVARD
DEVON AVENUE TO PIERCE ROAD (NORTHBOUND)
STA 35+88.95 TO STA 40+97.84

RESURFACING LIMITS
PARK BOULEVARD
STA 32+50.00 TO STA 41+65.00

*℄ CONSTRUCTION SHIFTS TO 4' OFF THE MEDIAN IN THE NB LEFT TURN LANE WHEN THE LANE TAPER BEGINS.

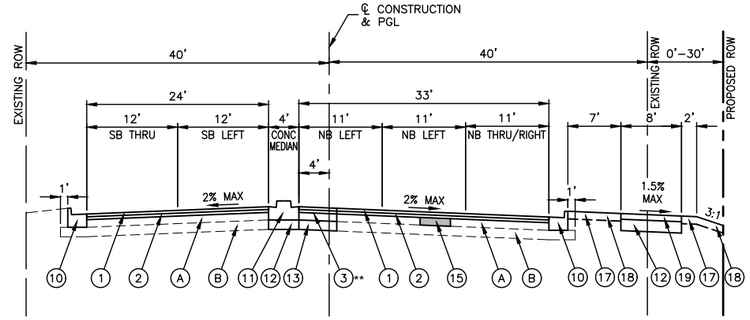


PROPOSED TYPICAL SECTION

DEVON AVENUE & PARK BOULEVARD
EAST LEG (WESTBOUND)
STA 17+84.58 TO STA 22+74.26

RESURFACING LIMITS
DEVON AVENUE
STA 14+73.77 TO STA 21+72.91

*PORTLAND CEMENT CONCRETE PAVEMENT WITH NO ASPHALT OVERLAY FROM STA 21+72.91 TO STA 22+74.26



PROPOSED TYPICAL SECTION

PARK BOULEVARD & PIERCE ROAD
SOUTH LEG (NORTHBOUND)
STA 32+50.00 TO STA 35+88.95

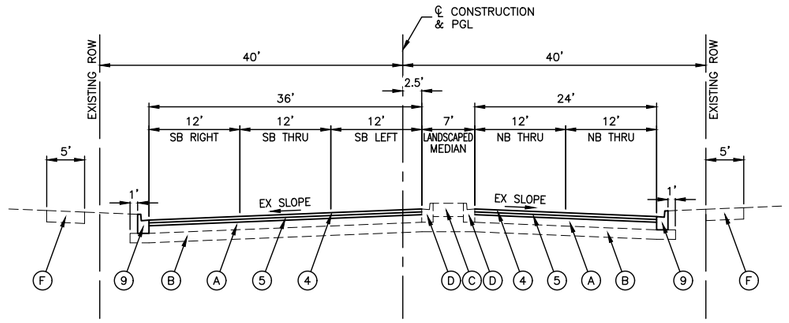
RESURFACING LIMITS
PARK BOULEVARD
STA 32+50.00 TO STA 41+65.00

*℄ SHIFTS FROM 4' OFF THE MEDIAN SB LEFT LANE AT PIERCE RD TO 4' OFF THE MEDIAN IN THE NB LEFT LANE AT DEVON AVE.

**HMA PAVEMENT WIDENING IN EXISTING CONCRETE MEDIAN AREA TO BE REMOVED AT PIERCE ROAD. MEDIAN IS 7.5' TO THE EAST OF THE PROPOSED MEDIAN AND TAPERS TO THE PROPOSED MEDIAN WITH THE LEFT TURN LANES.

HOT–MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	**AIR VOIDS @ Ndes**	**QMP**
PAVEMENT WIDENING (PARK BOULEVARD & PIERCE ROAD)		
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–3/4"	4% @ 50 Gyr.	LR1030–2
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N50, 1–1/2"	4% @ 50 Gyr.	LR1030–2
HOT–MIX ASPHALT BASE COURSE 9" (HMA BINDER IL–19.0)	4% @ 50 Gyr.	LR1030–2
HOT–MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL–19.0), 9"	4% @ 50 Gyr.	LR1030–2
PAVEMENT RESURFACING (DEVON AVENUE)		
POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "E", IL–9.5, N70, 1–3/4"	4% @ 70 Gyr.	LR1030–2
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N70, 1–1/2"	4% @ 70 Gyr.	LR1030–2
PAVEMENT RESURFACING (PARK BOULEVARD & PIERCE ROAD)		
HOT–MIX ASPHALT SURFACE COURSE, MIX "D, N50, 1–3/4"	4% @ 50 Gyr.	LR1030–2
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N50, 1–1/2"	4% @ 50 Gyr.	LR1030–2
PAVEMENT PATCHING		
CLASS D PATCH (HMA BINDER IL–19.0), 9"	4% @ 70 Gyr.	LR1030–2
HOT–MIX ASPHALT DRIVEWAY PAVEMENT, 4"		
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–1/2"	4% @ 50 Gyr.	LR1030–2
HOT–MIX ASPHALT BINDER COURSE (IL–19.0mm); 2–1/2"	4% @ 50 Gyr.	LR1030–2
MULTI–USE PATH		
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 3" (IN 2 LIFTS)	4% @ 50 Gyr.	LR1030–2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030–2		

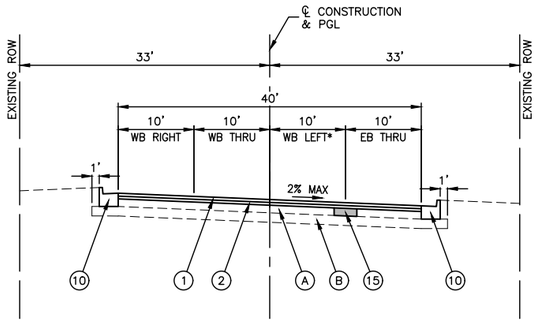
NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76–22" AND FOR NON–POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64–22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.



PROPOSED TYPICAL SECTION

DEVON AVENUE & PARK BOULEVARD
NORTH LEG (SOUTHBOUND)
STA 41+44.99 TO STA 41+65.00

RESURFACING LIMITS
PIERCE ROAD
STA 50+00.00 TO STA 53+82.59



PROPOSED TYPICAL SECTION

PARK BOULEVARD & PIERCE ROAD
EAST LEG (WESTBOUND)
STA 50+00.00 TO STA 53+82.59

*WB LEFT TURN LANE TAPERS BACK TO EB THRU AT STA 53+82.63

STATION EQUATION
STA 17+84.58 ℄ DEVON AVE=
STA 40+97.84 ℄ PARK BLVD

STATION EQUATION
STA 35+88.95 ℄ PARK BLVD=
STA 50+00 ℄ PIERCE RD

EXISTING LEGEND

- ▨ ITEM TO BE REMOVED
- (A) EXISTING HOT–MIX ASPHALT PAVEMENT:
  –DEVON AVENUE; ±3"
  –PARK BOULEVARD; ±9¾"–14¾"
  –PIERCE ROAD; ±9¾"–14¼"
- (B) EXISTING AGGREGATE SUBGRADE:
  –DEVON AVENUE; ±12"
  –PARK BOULEVARD; ±0"–6"
  –PIERCE ROAD; ±5"–12"
- (C) EXISTING MEDIAN (CONCRETE OR LANDSCAPED)
- (D) EXISTING COMBINATION CURB AND GUTTER, TYPE B–6.12
- (E) EXISTING COMBINATION CURB AND GUTTER, TYPE B–6.24
- (F) EXISTING CONCRETE SIDEWALK
- (G) EXISTING CONCRETE PAVEMENT, 10"
- (H) HOT–MIX ASPHALT SURFACE REMOVAL, 3"

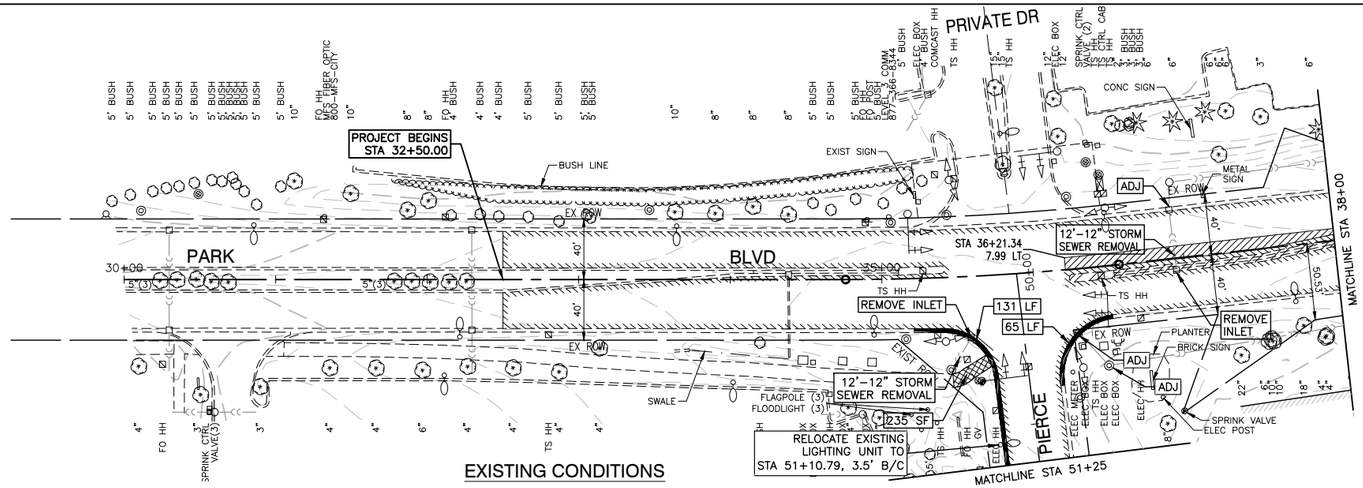
NOTES:
1. CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL AND REPLACEMENT, AND CLASS C AND D PATCHES SHALL BE ACCORDING TO THE PLAN & PROFILE OR AS DIRECTED BY THE ENGINEER.
2. SEE PLAN & PROFILE SHEETS FOR PROPOSED ROW.
3. LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HOT–MIX ASPHALT BINDER COURSE.

PROPOSED LEGEND

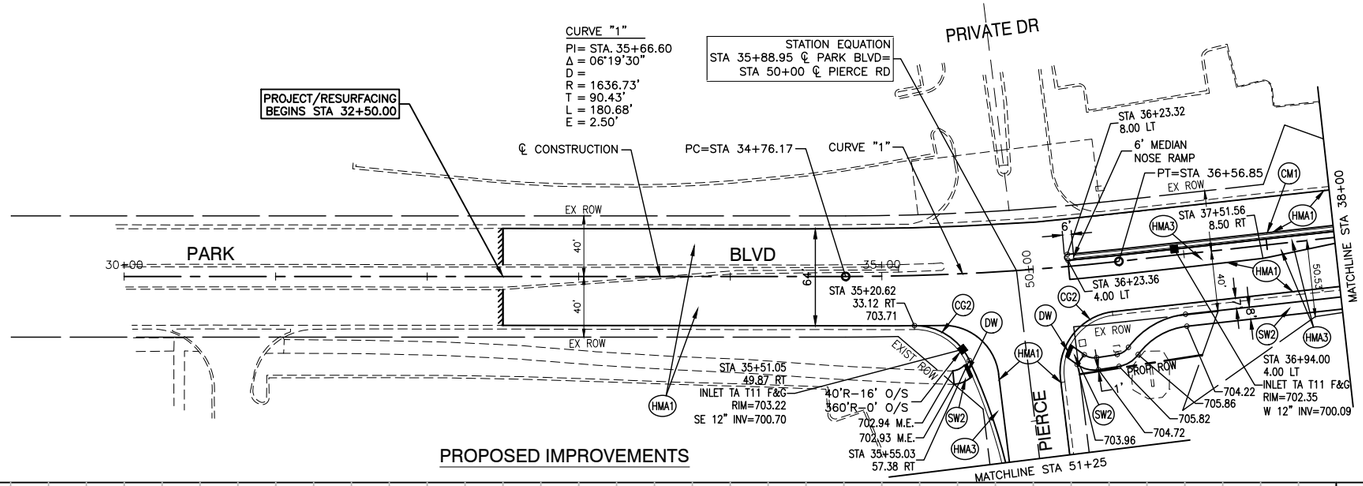
- (1) HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–¾"
- (2) HOT–MIX ASPHALT BINDER COURSE, MIX "D", IL–9.5, N50, 1–½"
- (3) HOT–MIX ASPHALT BASE COURSE WIDENING, 9"
- (4) POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "E", IL–9.5, N70, 1–¾"
- (5) HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N70, 1–½"
- (6) HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 3"
- (7) PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 10"
- (8) NO. 6 TIE BARS – 24" LONG AT 24" C–C SPACING
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B–6.12
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE B–6.24
- (11) CONCRETE MEDIAN, TYPE SB–6.12
- (12) AGGREGATE BASE COURSE, TYPE B 4"
- (13) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (14) AGGREGATE BASE COURSE, TYPE B 6"
- (15) CLASS D PATCHES, 9 INCH
- (16) CLASS C PATCHES, 10 INCH
- (17) TOPSOIL FURNISH AND PLACE, 6"
- (18) SODDING
- (19) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL

FILE NAME = 18R0939_02-TYPX-01 - IDOT P02	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS PROPOSED TYPICAL CROSS SECTIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED — MAW	REVISED —			1346 & 2997	19-00066-00-CH	DUPAGE	67	14
	PLOT SCALE =	DRAWN — RG	REVISED —					CONTRACT NO. 61J12		
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —		SCALE: SHEET NO. 14 OF 67 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

SECTION 6, TOWNSHIP 40, RANGE 11



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS

LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- CURB AND GUTTER REMOVAL
- PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 10"
- BUTT JOINT

PAVEMENT RESURFACING (PARK BOULEVARD & PIERCE ROAD)
(HMA1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1-3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1-1/2"

PAVEMENT RESURFACING (DEVON AVENUE)
(HMA2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1-1/2"

PAVEMENT WIDENING (PARK BOULEVARD & PIERCE ROAD)
(HMA3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1-3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1-1/2"
HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

PAVEMENT WIDENING (DEVON AVENUE)
(HMA4) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1-1/2"
PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

(CC1) COMBINATION CURB AND GUTTER, TYPE B-6.12

(CC2) COMBINATION CURB AND GUTTER, TYPE B-6.24

(CM1) CONCRETE MEDIAN, TYPE SB-6.12

(CM2) CONCRETE MEDIAN, TYPE M-2.12
AGGREGATE BASE COURSE, TYPE B 4"

(SW) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
AGGREGATE BASE COURSE, TYPE B 4"

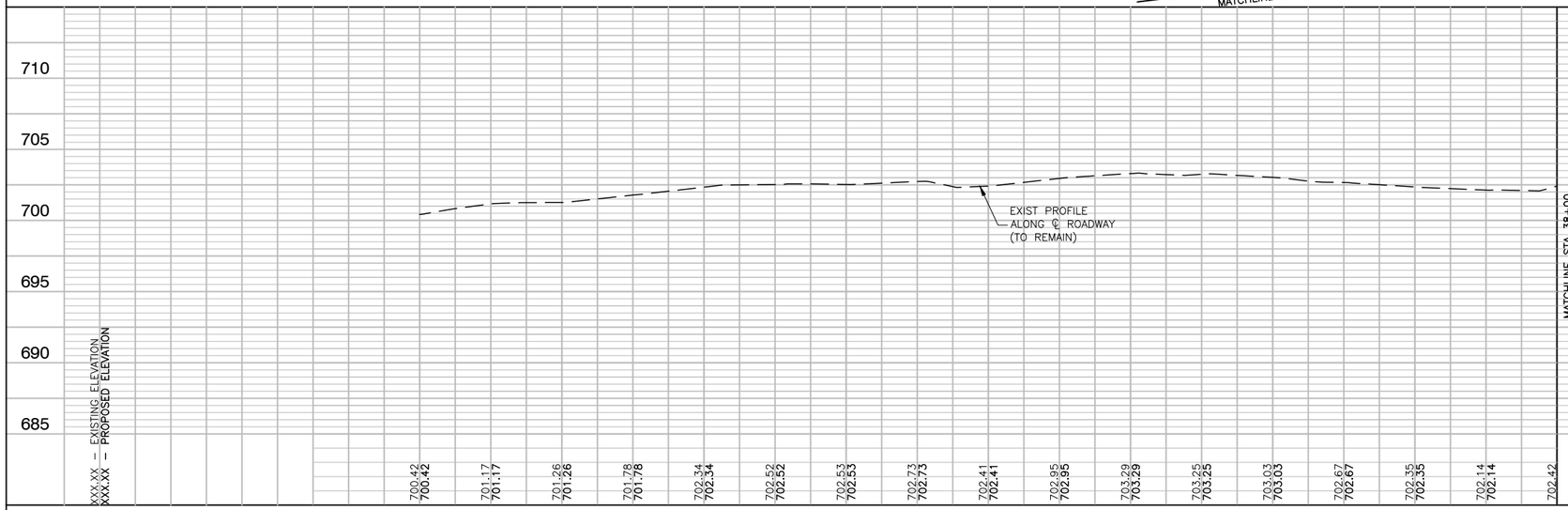
(SW2) EXPOSED PEA GRAVEL AGGREGATE CONCRETE, 5"
AGGREGATE BASE COURSE, TYPE B 4"

(MP) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"
AGGREGATE BASE COURSE, TYPE B 6"

(HD) HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"

(DW) DETECTABLE WARNING

[ADJ] DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED



NOTES:
1. THE 10" PCC BASE COURSE OR PAVEMENT SHALL BE TIED TO THE EXISTING PCC BASE COURSE OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS, DRILLED AND GROUTED.

   THE PROPOSED COMBINATION CURB AND GUTTER SHALL BE TIED TO THE PROPOSED 10" PCC BASE COURSES OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS.

   THE COST FOR THE TIE BARS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE 10" PCC BASE COURSE WIDENING.
2. FOR WIDENING OF SIX FEET OR LESS, BASE COURSE SHALL BE PAID AS HOT-MIX ASPHALT BASE COURSE WIDENING, 9". FOR WIDENING OF GREATER THAN SIX FEET, BASE COURSE SHALL BE PAID AS HOT-MIX ASPHALT BASE COURSE, 9".
3. COMBINATION CURB AND GUTTER, TYPE B-6.12 AND B-6.24 SHALL HAVE 2 – #4 BARS CONTINUOUS BETWEEN EXPANSION JOINTS AND SHALL BE INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER PAY ITEMS.

FILE NAME = 18R0939_02-PLPR-01 - PLPR01	USER NAME =	DESIGNED – SDK	REVISED –
		CHECKED – MAW	REVISED –
	PLOT SCALE =	DRAWN – RG	REVISED –
	PLOT DATE = 11/01/2022	CHECKED – AG	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

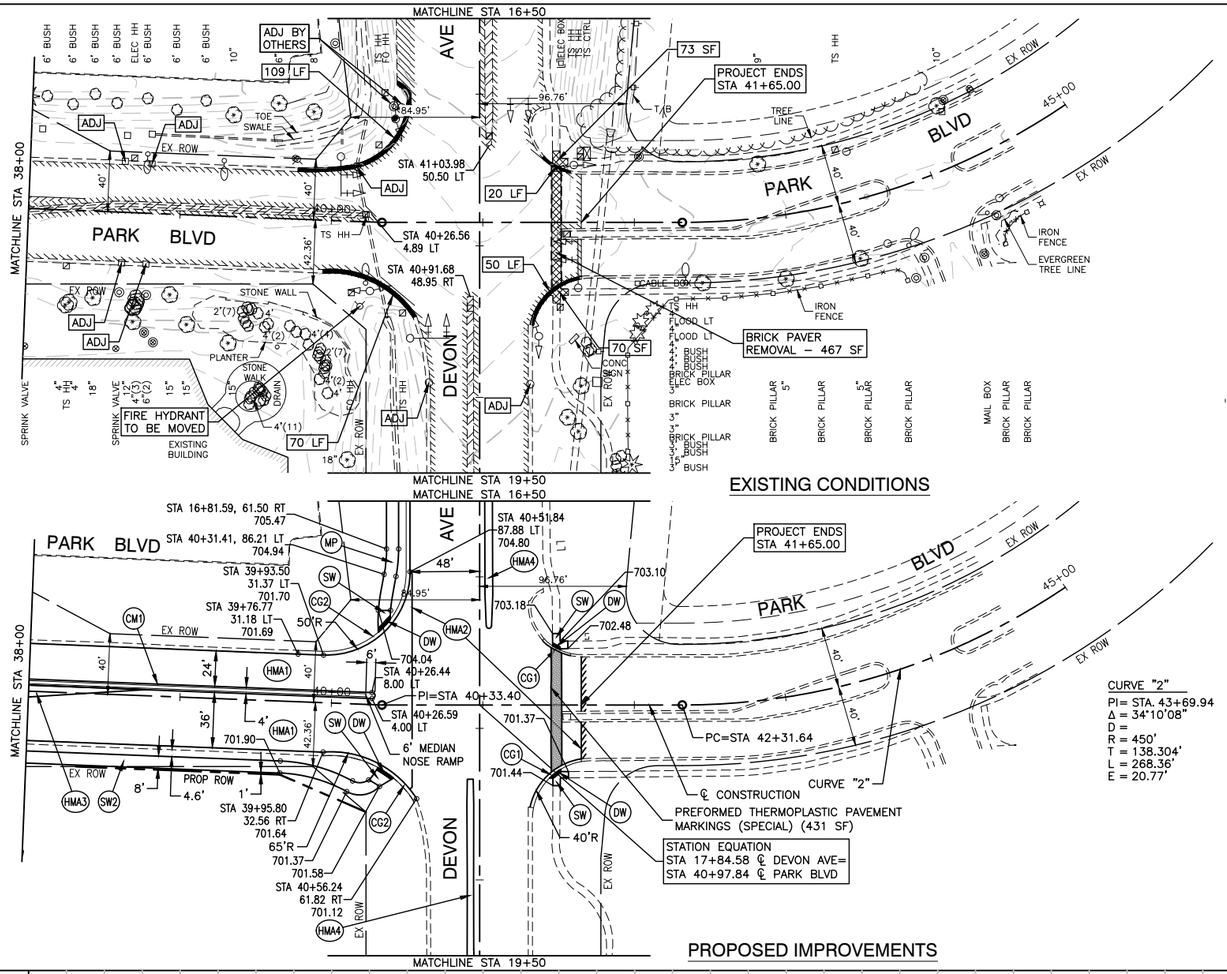
DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
PLAN & PROFILE

SCALE: H 1"=50' V 1"=5' | SHEET NO. 15 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	15
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)

SECTION 6, TOWNSHIP 40, RANGE 11



CURVE "2"
PI= STA. 43+69.94
Δ = 34°10'08"
D =
R = 450'
T = 138.304'
L = 268.36'
E = 20.77'

LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- HOT–MIX ASPHALT SURFACE REMOVAL, 3"
- CURB AND GUTTER REMOVAL
- PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 10"
- BUTT JOINT

(HMA1) PAVEMENT RESURFACING (PARK BOULEVARD & PIERCE ROAD)
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N50, 1–1/2"

(HMA2) PAVEMENT RESURFACING (DEVON AVENUE)
POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "E", IL–9.5, N70, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N70, 1–1/2"

(HMA3) PAVEMENT WIDENING (PARK BOULEVARD & PIERCE ROAD)
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N50, 1–1/2"
HOT–MIX ASPHALT BASE COURSE WIDENING, 9"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

(HMA4) PAVEMENT WIDENING (DEVON AVENUE)
POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "E", IL–9.5, N70, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N70, 1–1/2"
PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

(CG1) COMBINATION CURB AND GUTTER, TYPE B–6.12

(CG2) COMBINATION CURB AND GUTTER, TYPE B–6.24

(CM1) CONCRETE MEDIAN, TYPE SB–6.12

(CM2) CONCRETE MEDIAN, TYPE M–2.12
AGGREGATE BASE COURSE, TYPE B 4"

(SW) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
AGGREGATE BASE COURSE, TYPE B 4"

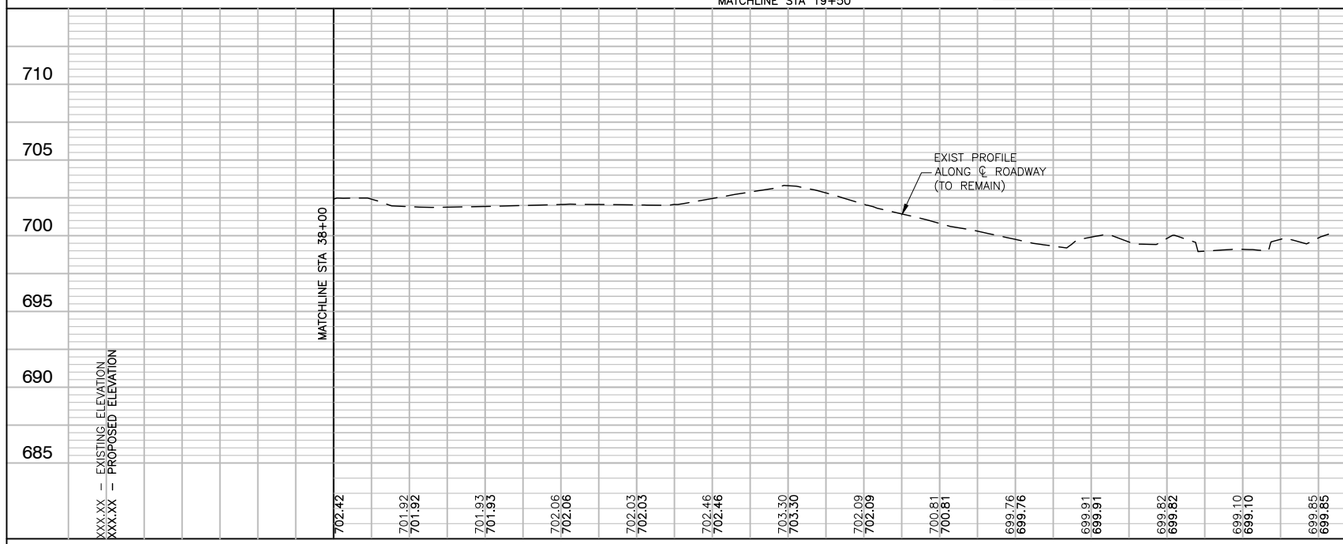
(SW2) EXPOSED PEA GRAVEL AGGREGATE CONCRETE, 5"
AGGREGATE BASE COURSE, TYPE B 4"

(MP) HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 3"
AGGREGATE BASE COURSE, TYPE B 6"

(HD) HOT–MIX ASPHALT DRIVEWAY PAVEMENT, 4"

(DW) DETECTABLE WARNING

[ADJ] DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED



NOTES:
1. THE 10" PCC BASE COURSE OR PAVEMENT SHALL BE TIED TO THE EXISTING PCC BASE COURSE OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS, DRILLED AND GROUTED.

   THE PROPOSED COMBINATION CURB AND GUTTER SHALL BE TIED TO THE PROPOSED 10" PCC BASE COURSES OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS.

   THE COST FOR THE TIE BARS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE 10" PCC BASE COURSE WIDENING.

2. FOR WIDENING OF SIX FEET OR LESS, BASE COURSE SHALL BE PAID AS HOT–MIX ASPHALT BASE COURSE WIDENING, 9". FOR WIDENING OF GREATER THAN SIX FEET, BASE COURSE SHALL BE PAID AS HOT–MIX ASPHALT BASE COURSE, 9".

3. COMBINATION CURB AND GUTTER, TYPE B–6.12 AND B–6.24 SHALL HAVE 2 – #4 BARS CONTINUOUS BETWEEN EXPANSION JOINTS AND SHALL BE INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER PAY ITEMS.

FILE NAME = 18R0939_02-PLPR-01 - PLPR02	USER NAME =	DESIGNED – SDK	REVISED –
		CHECKED – MAW	REVISED –
	PLOT SCALE =	DRAWN – RG	REVISED –
	PLOT DATE = 11/01/2022	CHECKED – AG	REVISED –

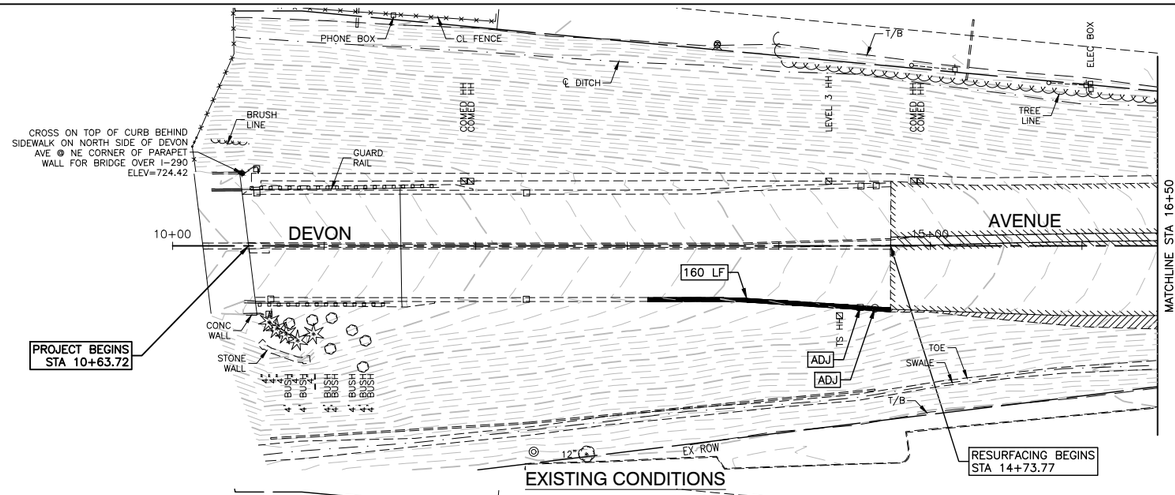
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

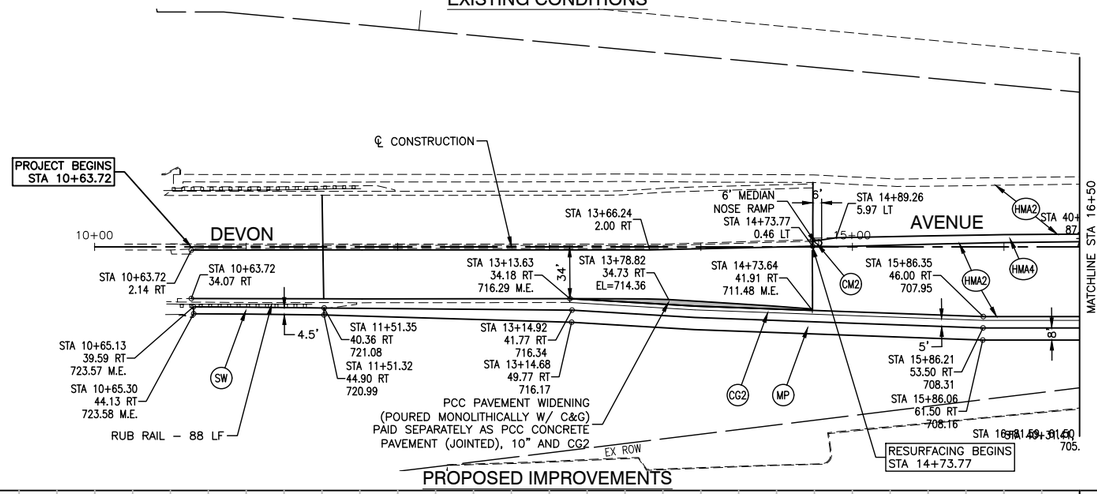
DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
PLAN & PROFILE

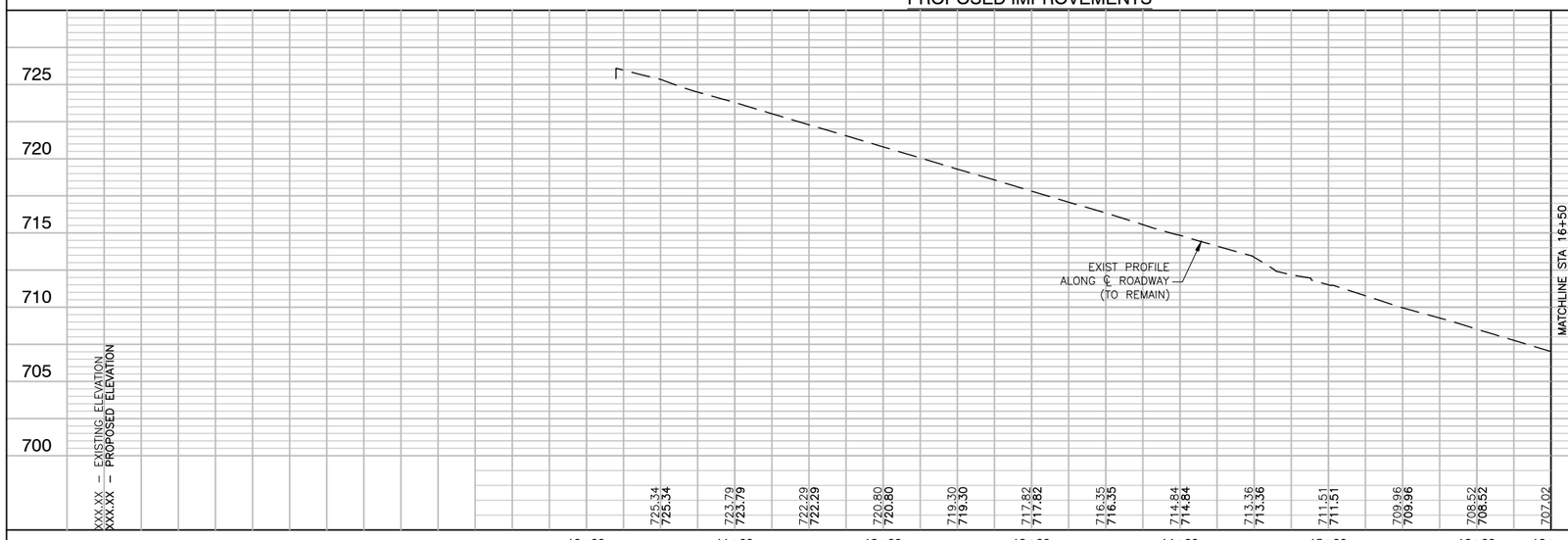
SCALE: H 1"=50' V 1"=5' | SHEET NO. 16 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	16
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

SECTION 6, TOWNSHIP 40, RANGE 11







N

LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- CURB AND GUTTER REMOVAL
- PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 10"
- BUTT JOINT

(HMA1) PAVEMENT RESURFACING (PARK BOULEVARD & PIERCE ROAD)
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1-3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1-1/2"

(HMA2) PAVEMENT RESURFACING (DEVON AVENUE)
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1-1/2"

(HMA3) PAVEMENT WIDENING (PARK BOULEVARD & PIERCE ROAD)
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1-3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1-1/2"
HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

(HMA4) PAVEMENT WIDENING (DEVON AVENUE)
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1-1/2"
PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

(CC1) COMBINATION CURB AND GUTTER, TYPE B-6.12

(CC2) COMBINATION CURB AND GUTTER, TYPE B-6.24

(CM1) CONCRETE MEDIAN, TYPE SB-6.12

(CM2) CONCRETE MEDIAN, TYPE M-2.12
AGGREGATE BASE COURSE, TYPE B 4"

(SW) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
AGGREGATE BASE COURSE, TYPE B 4"

(SW2) EXPOSED PEA GRAVEL AGGREGATE CONCRETE, 5"
AGGREGATE BASE COURSE, TYPE B 4"

(MP) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"
AGGREGATE BASE COURSE, TYPE B 6"

(HD) HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"

(DW) DETECTABLE WARNING

ADJ DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

NOTES:
1. THE 10" PCC BASE COURSE OR PAVEMENT SHALL BE TIED TO THE EXISTING PCC BASE COURSE OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS, DRILLED AND GROUTED.

   THE PROPOSED COMBINATION CURB AND GUTTER SHALL BE TIED TO THE PROPOSED 10" PCC BASE COURSES OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS.

   THE COST FOR THE TIE BARS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE 10" PCC BASE COURSE WIDENING.

2. FOR WIDENING OF SIX FEET OR LESS, BASE COURSE SHALL BE PAID AS HOT-MIX ASPHALT BASE COURSE WIDENING, 9". FOR WIDENING OF GREATER THAN SIX FEET, BASE COURSE SHALL BE PAID AS HOT-MIX ASPHALT BASE COURSE, 9".

3. COMBINATION CURB AND GUTTER, TYPE B-6.12 AND B-6.24 SHALL HAVE 2 - #4 BARS CONTINUOUS BETWEEN EXPANSION JOINTS AND SHALL BE INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER PAY ITEMS.

FILE NAME = 18R0939_02-PLPR-01 - PLPR03	USER NAME =	DESIGNED - SDK	REVISED -
		CHECKED - MAW	REVISED -
	PLOT SCALE =	DRAWN - RG	REVISED -
	PLOT DATE = 11/01/2022	CHECKED - AG	REVISED -

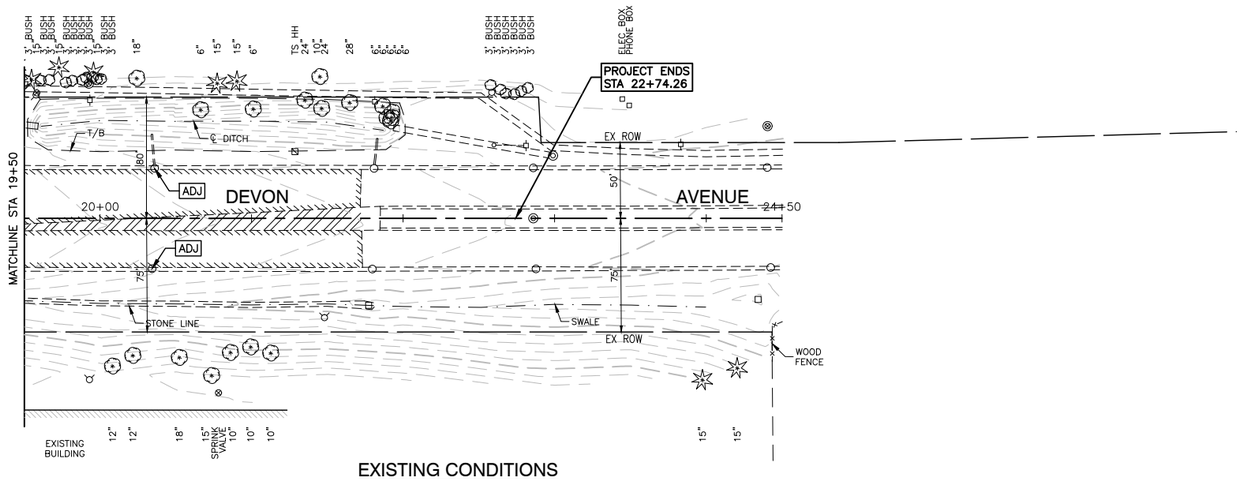
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
PLAN & PROFILE

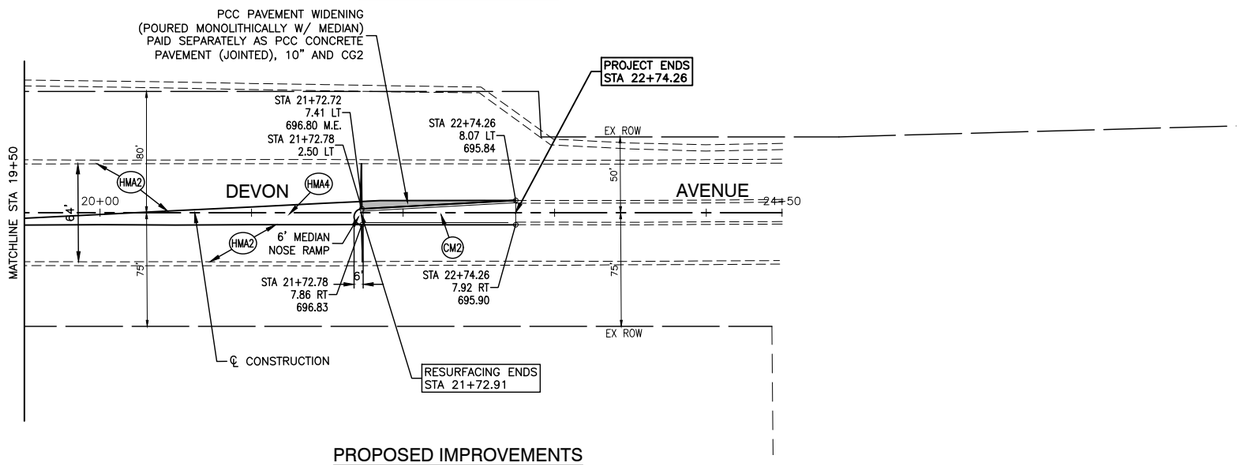
SCALE: H 1"=50' V 1"=5' | SHEET NO. 17 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	17
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

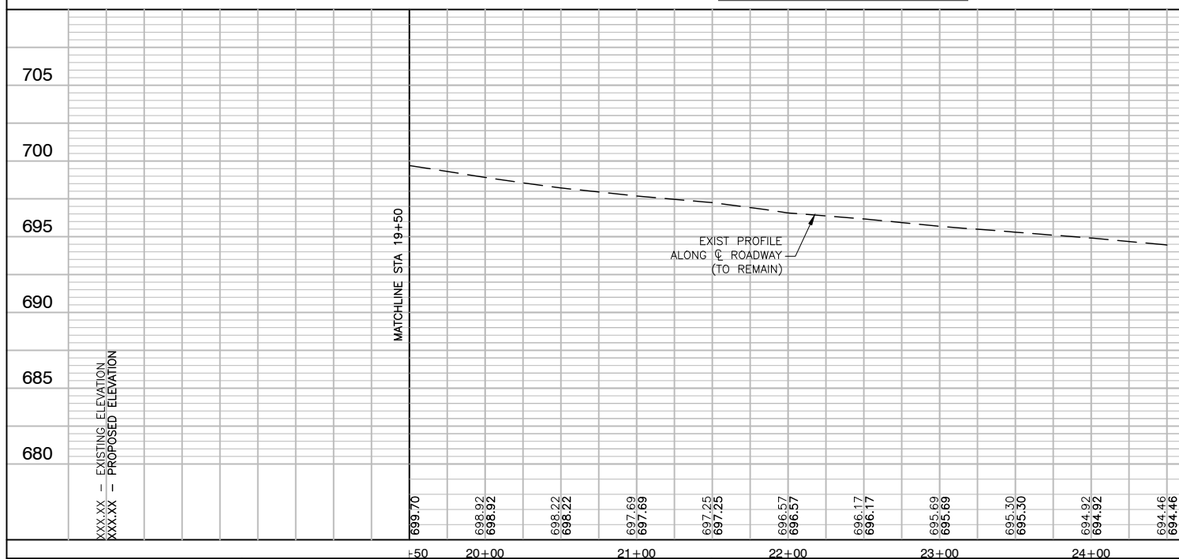
SECTION 6, TOWNSHIP 40, RANGE 11



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS



N

LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- HOT–MIX ASPHALT SURFACE REMOVAL, 3"
- CURB AND GUTTER REMOVAL
- PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 10"
- BUTT JOINT

(HMA1) PAVEMENT RESURFACING (PARK BOULEVARD & PIERCE ROAD)
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N50, 1–1/2"

(HMA2) PAVEMENT RESURFACING (DEVON AVENUE)
POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "E", IL–9.5, N70, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N70, 1–1/2"

(HMA3) PAVEMENT WIDENING (PARK BOULEVARD & PIERCE ROAD)
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N50, 1–1/2"
HOT–MIX ASPHALT BASE COURSE WIDENING, 9"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

(HMA4) PAVEMENT WIDENING (DEVON AVENUE)
POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "E", IL–9.5, N70, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N70, 1–1/2"
PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

(CG1) COMBINATION CURB AND GUTTER, TYPE B–6.12

(CG2) COMBINATION CURB AND GUTTER, TYPE B–6.24

(CM1) CONCRETE MEDIAN, TYPE SB–6.12

(CM2) CONCRETE MEDIAN, TYPE M–2.12
AGGREGATE BASE COURSE, TYPE B 4"

(SW) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
AGGREGATE BASE COURSE, TYPE B 4"

(SW2) EXPOSED PEA GRAVEL AGGREGATE CONCRETE, 5"
AGGREGATE BASE COURSE, TYPE B 4"

(MP) HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 3"
AGGREGATE BASE COURSE, TYPE B 6"

(HD) HOT–MIX ASPHALT DRIVEWAY PAVEMENT, 4"

(DW) DETECTABLE WARNING

[ADJ] DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

NOTES:
1. THE 10" PCC BASE COURSE OR PAVEMENT SHALL BE TIED TO THE EXISTING PCC BASE COURSE OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS, DRILLED AND GROUTED.

   THE PROPOSED COMBINATION CURB AND GUTTER SHALL BE TIED TO THE PROPOSED 10" PCC BASE COURSES OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS.

   THE COST FOR THE TIE BARS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE 10" PCC BASE COURSE WIDENING.
2. FOR WIDENING OF SIX FEET OR LESS, BASE COURSE SHALL BE PAID AS HOT–MIX ASPHALT BASE COURSE WIDENING, 9". FOR WIDENING OF GREATER THAN SIX FEET, BASE COURSE SHALL BE PAID AS HOT–MIX ASPHALT BASE COURSE, 9".
3. COMBINATION CURB AND GUTTER, TYPE B–6.12 AND B–6.24 SHALL HAVE 2 – #4 BARS CONTINUOUS BETWEEN EXPANSION JOINTS AND SHALL BE INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER PAY ITEMS.

FILE NAME = 18R0939_02-PLPR-01 - PLPR04	USER NAME =	DESIGNED – SDK	REVISED –
		CHECKED – MAW	REVISED –
	PLOT SCALE =	DRAWN – RG	REVISED –
	PLOT DATE = 11/01/2022	CHECKED – AG	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

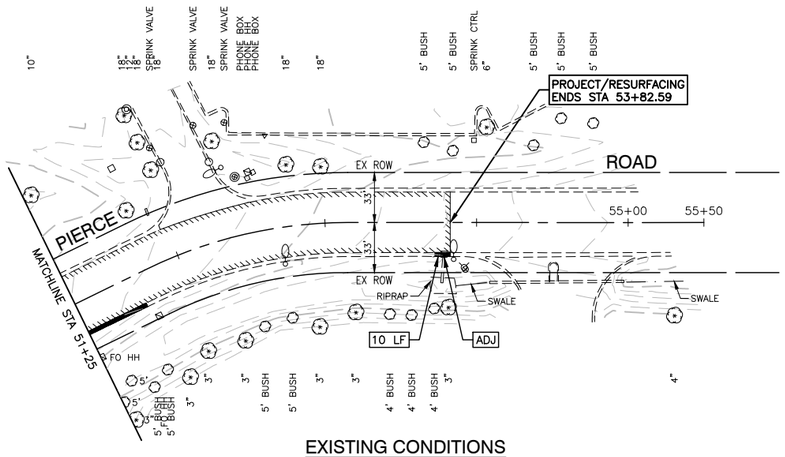
DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
PLAN & PROFILE

SCALE: H 1"=50' V 1"=5' | SHEET NO. 18 OF 67 SHEETS | STA. | TO STA.

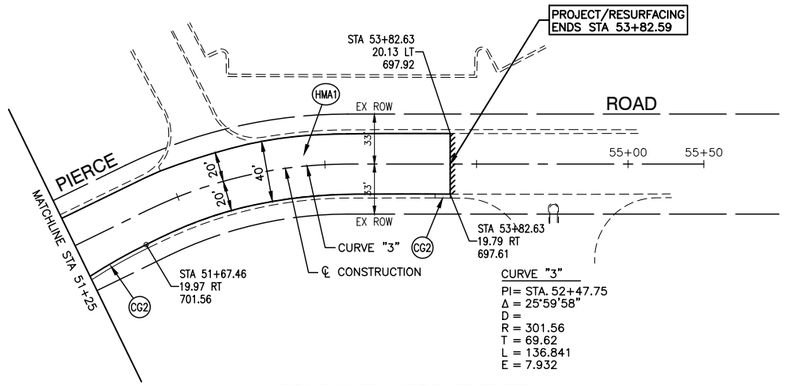
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1348 & 2997	19-00066-00-CH	DUPAGE	67	18
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)

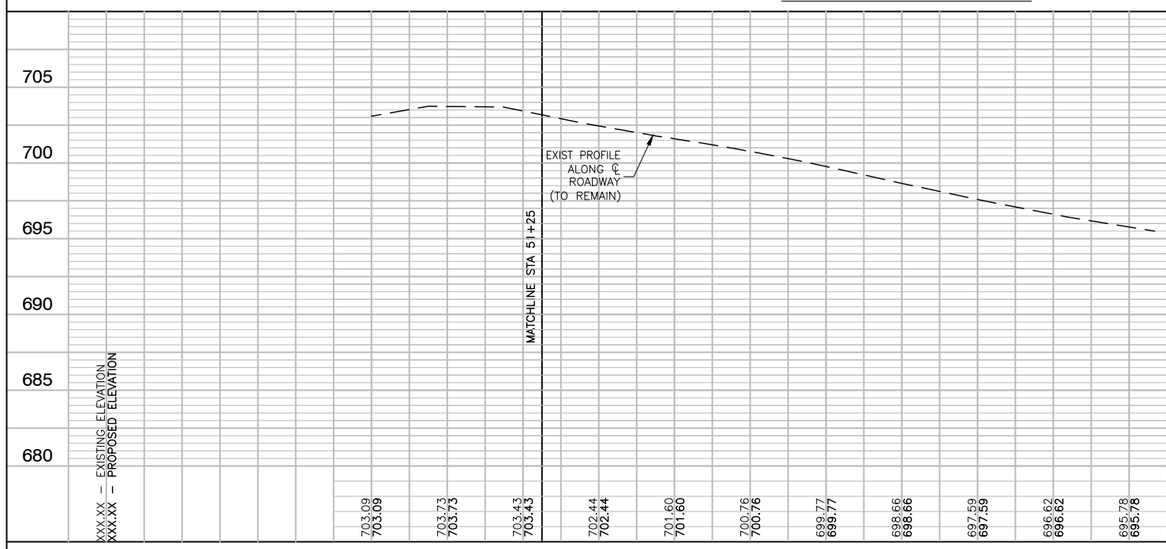
SECTION 6, TOWNSHIP 40, RANGE 11



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS



LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- HOT–MIX ASPHALT SURFACE REMOVAL, 3"
- CURB AND GUTTER REMOVAL
- PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED), 10"
- BUTT JOINT

(HMA1) PAVEMENT RESURFACING (PARK BOULEVARD & PIERCE ROAD)
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N50, 1–1/2"

(HMA2) PAVEMENT RESURFACING (DEVON AVENUE)
POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "E", IL–9.5, N70, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N70, 1–1/2"

(HMA3) PAVEMENT WIDENING (PARK BOULEVARD & PIERCE ROAD)
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N50, 1–1/2"
HOT–MIX ASPHALT BASE COURSE WIDENING, 9"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

(HMA4) PAVEMENT WIDENING (DEVON AVENUE)
POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "E", IL–9.5, N70, 1–3/4"
HOT–MIX ASPHALT BINDER COURSE, IL–9.5, N70, 1–1/2"
PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

(CG1) COMBINATION CURB AND GUTTER, TYPE B–6.12

(CG2) COMBINATION CURB AND GUTTER, TYPE B–6.24

(CM1) CONCRETE MEDIAN, TYPE SB–6.12

(CM2) CONCRETE MEDIAN, TYPE M–2.12
AGGREGATE BASE COURSE, TYPE B 4"

(SW) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
AGGREGATE BASE COURSE, TYPE B 4"

(SW2) EXPOSED PEA GRAVEL AGGREGATE CONCRETE, 5"
AGGREGATE BASE COURSE, TYPE B 4"

(MP) HOT–MIX ASPHALT SURFACE COURSE, MIX "D", IL–9.5, N50, 3"
AGGREGATE BASE COURSE, TYPE B 6"

(HD) HOT–MIX ASPHALT DRIVEWAY PAVEMENT, 4"

(DW) DETECTABLE WARNING

[ADJ] DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

NOTES:
1. THE 10" PCC BASE COURSE OR PAVEMENT SHALL BE TIED TO THE EXISTING PCC BASE COURSE OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS, DRILLED AND GROUTED.

   THE PROPOSED COMBINATION CURB AND GUTTER SHALL BE TIED TO THE PROPOSED 10" PCC BASE COURSES OR PAVEMENT WITH EPOXY COATED DEFORMED STEEL TIE BAR NO.6 (NO.19), 24" LONG AT 24" CENTERS.

   THE COST FOR THE TIE BARS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE 10" PCC BASE COURSE WIDENING.

2. FOR WIDENING OF SIX FEET OR LESS, BASE COURSE SHALL BE PAID AS HOT–MIX ASPHALT BASE COURSE WIDENING, 9". FOR WIDENING OF GREATER THAN SIX FEET, BASE COURSE SHALL BE PAID AS HOT–MIX ASPHALT BASE COURSE, 9".

3. COMBINATION CURB AND GUTTER, TYPE B–6.12 AND B–6.24 SHALL HAVE 2 – #4 BARS CONTINUOUS BETWEEN EXPANSION JOINTS AND SHALL BE INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER PAY ITEMS.

FILE NAME = 16R0939_02-PLPR-01 - PLPR05	USER NAME =	DESIGNED – SDK	REVISED –
		CHECKED – MAW	REVISED –
	PLOT SCALE =	DRAWN – RG	REVISED –
	PLOT DATE = 11/01/2022	CHECKED – AG	REVISED –

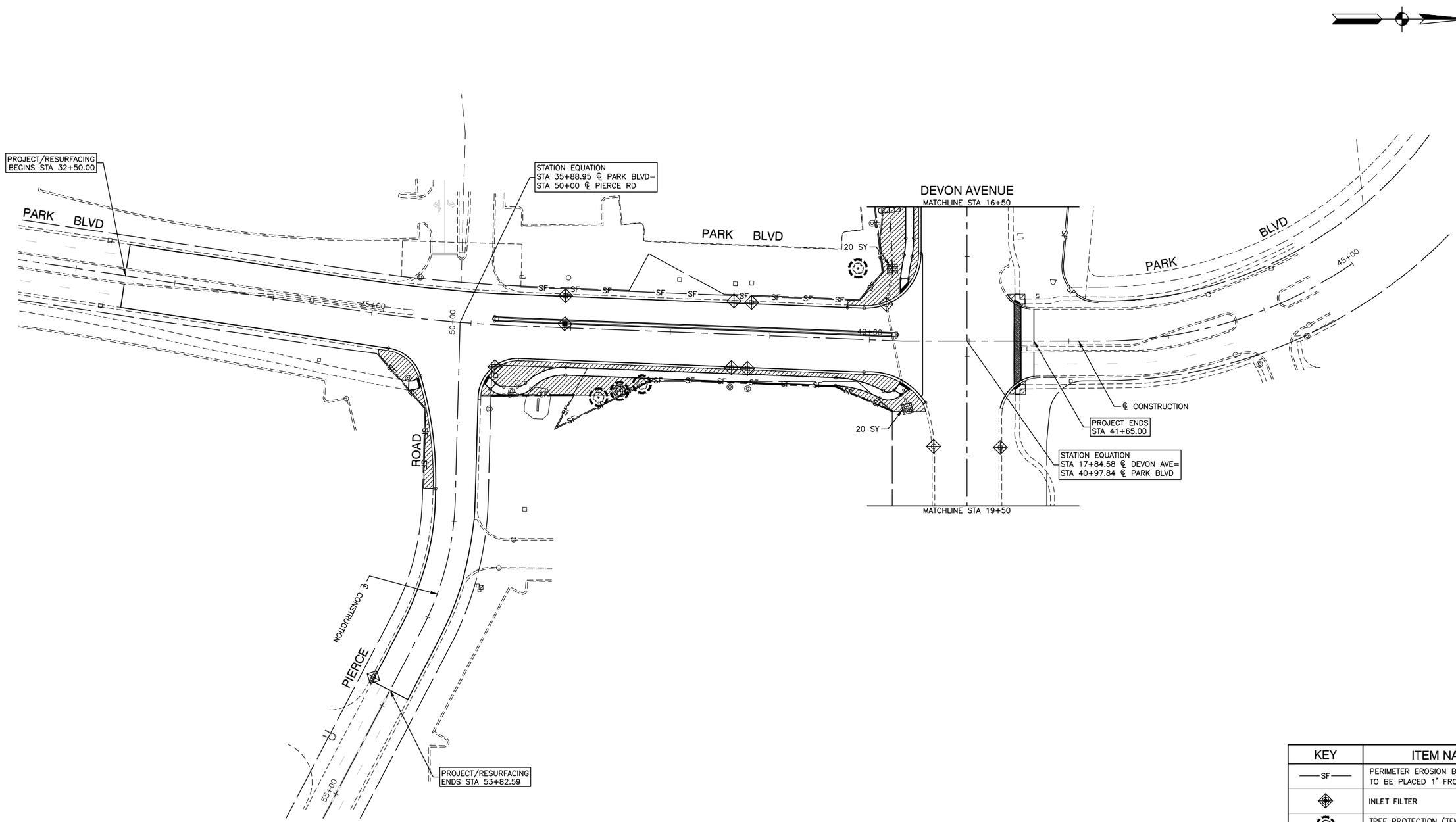
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
PLAN & PROFILE

SCALE: H 1"=50' V 1"=5' | SHEET NO. 19 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	19
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

SECTION 6, TOWNSHIP 40, RANGE 11



KEY	ITEM NAME
——SF——	PERIMETER EROSION BARRIER TO BE PLACED 1' FROM R.O.W.
	INLET FILTER
	TREE PROTECTION (TEMPORARY FENCE, TREE ROOT PRUNING AND TREE PRUNING)
	SODDING, AND SUPPLEMENTAL WATERING WITH TOP SOIL FURNISH AND PLACE, 6"
	TEMPORARY DITCH CHECKS
	RIP RAP (STONE RIP RAP CL. A, GRADATION RR4, FILTER FABRIC)

FILE NAME = 18R0939_02-LNCS-02 - P01	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

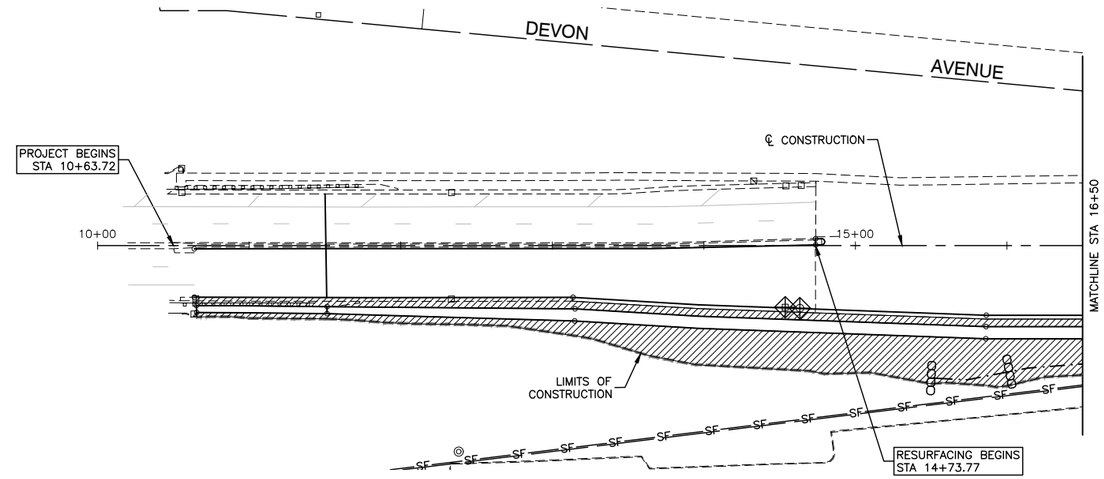
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

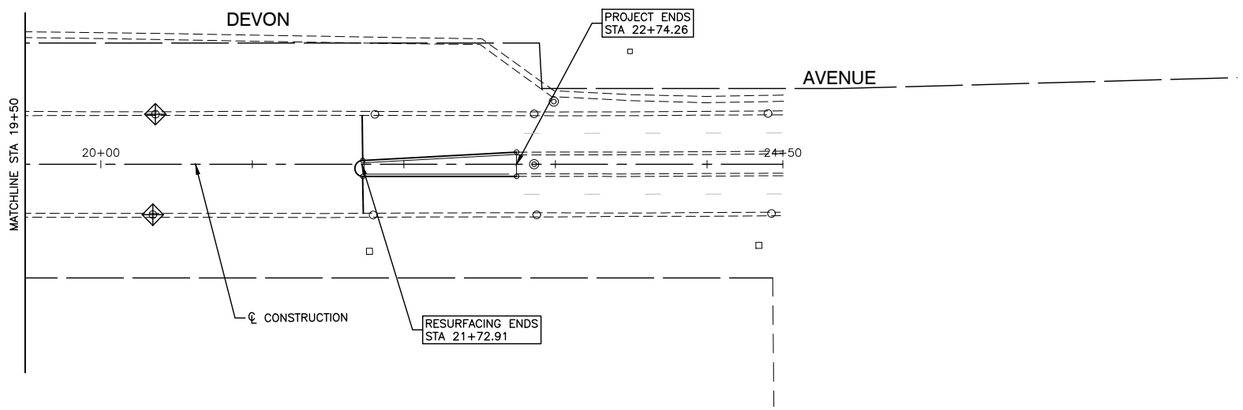
DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
LANDSCAPING & EROSION CONTROL

SCALE: H 1"=50' V 1"=5' | SHEET NO. 20 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	20
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

SECTION 6, TOWNSHIP 40, RANGE 11





N

KEY	ITEM NAME
——SF——	PERIMETER EROSION BARRIER TO BE PLACED 1' FROM R.O.W.
	INLET FILTER
	TREE PROTECTION (TEMPORARY FENCE, TREE ROOT PRUNING AND TREE PRUNING)
	SODDING, AND SUPPLEMENTAL WATERING WITH TOP SOIL FURNISH AND PLACE, 6"
	TEMPORARY DITCH CHECKS
	RIP RAP (STONE RIP RAP CL. A, GRADATION RR4, FILTER FABRIC)

FILE NAME = 18R0939_02-LNCS-02 - P02	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

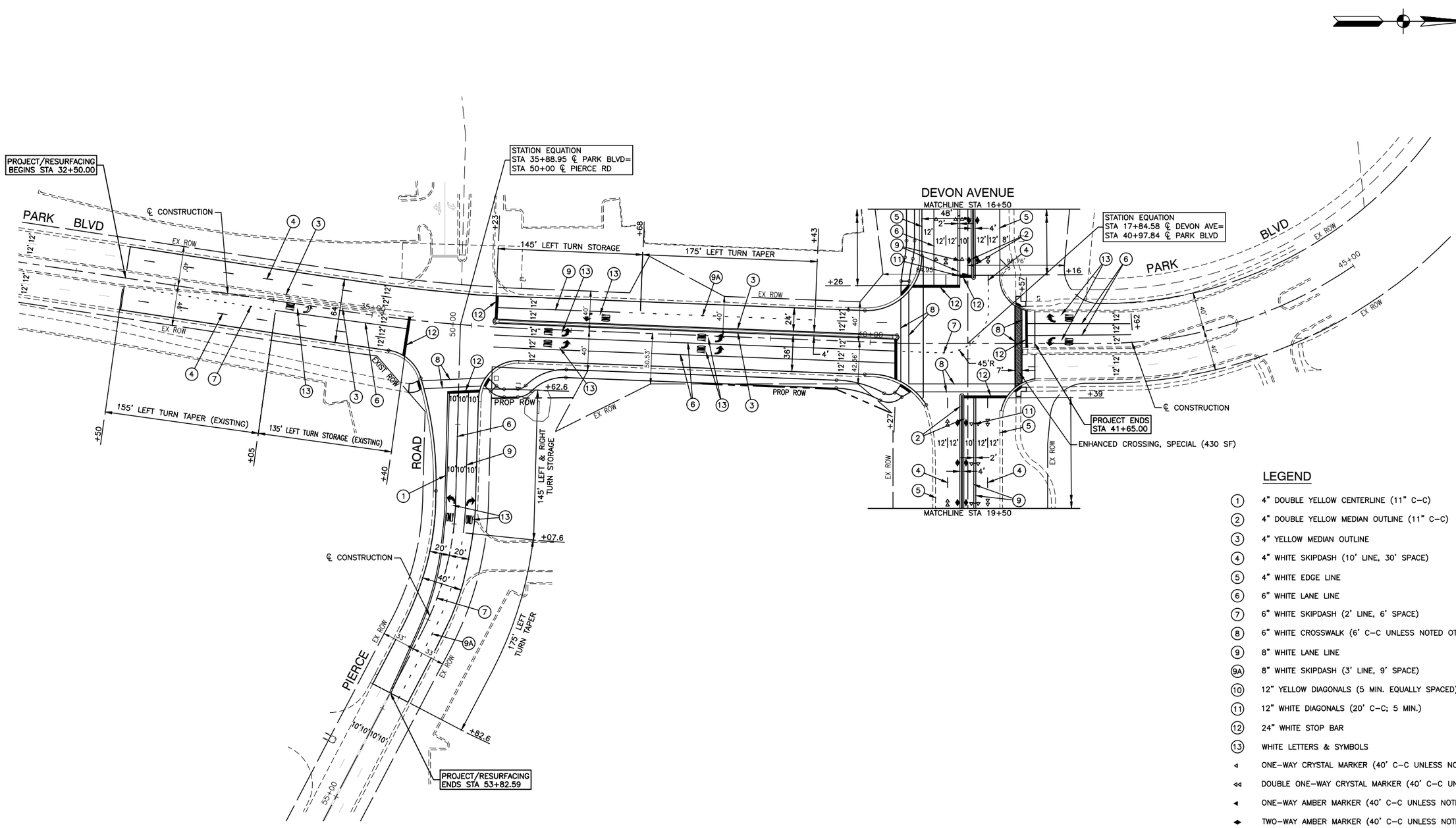
DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
LANDSCAPING & EROSION CONTROL

SCALE: H 1"=50' V 1"=5' | SHEET NO. 21 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	21
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)

SECTION 6, TOWNSHIP 40, RANGE 11



LEGEND

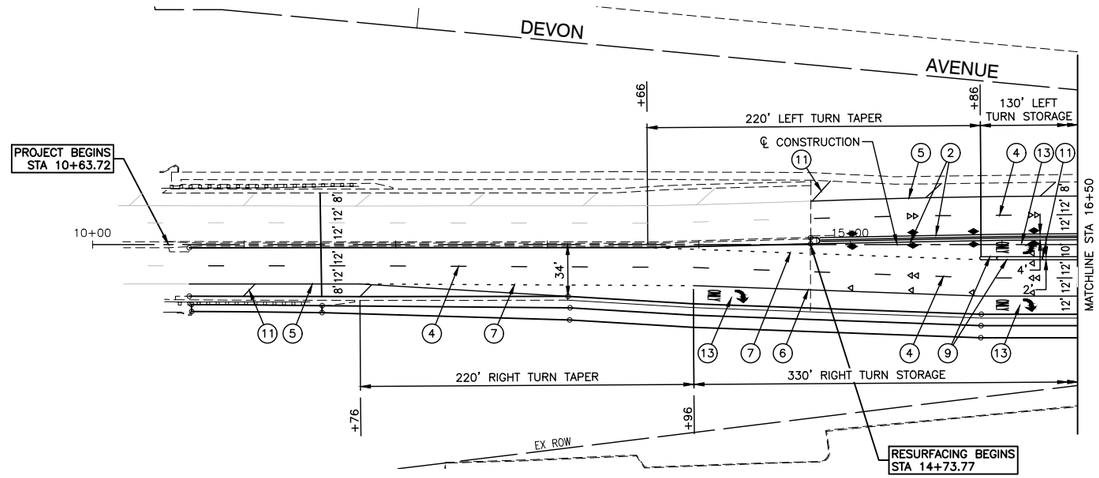
(1)	4" DOUBLE YELLOW CENTERLINE (11" C–C)
(2)	4" DOUBLE YELLOW MEDIAN OUTLINE (11" C–C)
(3)	4" YELLOW MEDIAN OUTLINE
(4)	4" WHITE SKIPDASH (10' LINE, 30' SPACE)
(5)	4" WHITE EDGE LINE
(6)	6" WHITE LANE LINE
(7)	6" WHITE SKIPDASH (2' LINE, 6' SPACE)
(8)	6" WHITE CROSSWALK (6' C–C UNLESS NOTED OTHERWISE)
(9)	8" WHITE LANE LINE
(9A)	8" WHITE SKIPDASH (3' LINE, 9' SPACE)
(10)	12" YELLOW DIAGONALS (5 MIN. EQUALLY SPACED)
(11)	12" WHITE DIAGONALS (20' C–C; 5 MIN.)
(12)	24" WHITE STOP BAR
(13)	WHITE LETTERS & SYMBOLS
◁	ONE–WAY CRYSTAL MARKER (40' C–C UNLESS NOTED OTHERWISE)
◁◁	DOUBLE ONE–WAY CRYSTAL MARKER (40' C–C UNLESS NOTED OTHERWISE)
◂	ONE–WAY AMBER MARKER (40' C–C UNLESS NOTED OTHERWISE)
◆	TWO–WAY AMBER MARKER (40' C–C UNLESS NOTED OTHERWISE)

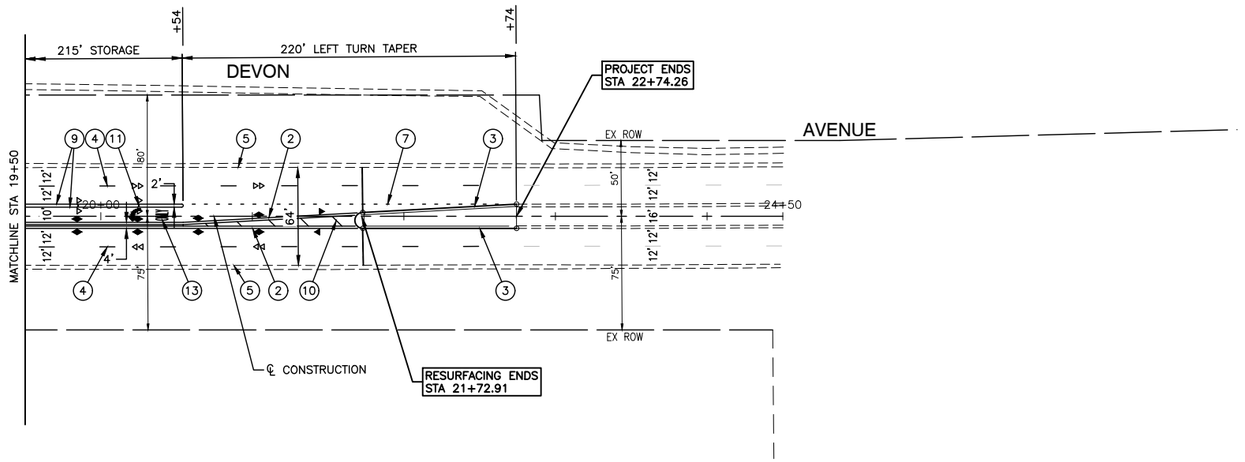
NOTES:
1. SEE IDOT DISTRICT 1 DETAILS TC–13 FOR PAVEMENT MARKINGS.
2. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON HMA PAVEMENT ON PARK BOULEVARD AND PIERCE ROAD.
3. ALONG DEVON AVENUE, MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED ON CONCRETE PAVEMENT AND THERMOPLASTIC PAVEMENT MARKINGS WITH RECESSED PAVEMENT MARKERS SHALL BE USED ON ASPHALT PAVEMENT.

FILE NAME = 18R0939_02-PVMK-01 - PLPR01	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS PAVEMENT MARKING
		CHECKED — MAW	REVISED —		
	PLOT SCALE =	DRAWN — RG	REVISED —		
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —		SCALE: H 1"=50' V 1"=5' | SHEET NO. 22 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	22
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

SECTION 6, TOWNSHIP 40, RANGE 11





N

LEGEND

(1)	4" DOUBLE YELLOW CENTERLINE (11" C–C)
(2)	4" DOUBLE YELLOW MEDIAN OUTLINE (11" C–C)
(3)	4" YELLOW MEDIAN OUTLINE
(4)	4" WHITE SKIPDASH (10' LINE, 30' SPACE)
(5)	4" WHITE EDGE LINE
(6)	6" WHITE LANE LINE
(7)	6" WHITE SKIPDASH (2' LINE, 6' SPACE)
(8)	6" WHITE CROSSWALK (6' C–C UNLESS NOTED OTHERWISE)
(9)	8" WHITE LANE LINE
(9A)	8" WHITE SKIPDASH (3' LINE, 9' SPACE)
(10)	12" YELLOW DIAGONALS (5 MIN. EQUALLY SPACED)
(11)	12" WHITE DIAGONALS (20' C–C; 5 MIN.)
(12)	24" WHITE STOP BAR
(13)	WHITE LETTERS & SYMBOLS
◁	ONE–WAY CRYSTAL MARKER (40' C–C UNLESS NOTED OTHERWISE)
◁◁	DOUBLE ONE–WAY CRYSTAL MARKER (40' C–C UNLESS NOTED OTHERWISE)
◀	ONE–WAY AMBER MARKER (40' C–C UNLESS NOTED OTHERWISE)
◆	TWO–WAY AMBER MARKER (40' C–C UNLESS NOTED OTHERWISE)

NOTES:
1. SEE IDOT DISTRICT 1 DETAILS TC–13 FOR PAVEMENT MARKINGS.
2. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON HMA PAVEMENT ON PARK BOULEVARD AND PIERCE ROAD.
3. ALONG DEVON AVENUE, MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED ON CONCRETE PAVEMENT AND THERMOPLASTIC PAVEMENT MARKINGS WITH RECESSED PAVEMENT MARKERS SHALL BE USED ON ASPHALT PAVEMENT.

FILE NAME = 18R0939_02-PVMK-01 - PLPR03	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS PAVEMENT MARKING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED — MAW	REVISED —					1346 & 2997	19-00066-00-CH	DUPAGE	67	23
	PLOT SCALE =	DRAWN — RG	REVISED —							CONTRACT NO. 61J12		
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —		SCALE: H 1"=50' V 1"=5'	SHEET NO. 23 OF 67 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

SECTION 6, TOWNSHIP 40, RANGE 11

N

R4-7c
18"X30"
14.5' POST
STA 36+29, 6.0 LT

LEFT LANE
MUST
TURN LEFT

R3-7L
36"X36"
15' POST
STA 39+41, 39.0 LT

R4-7c
18"X30"
14.5' POST
STA 40+21, 6.0 LT

DEVON AVENUE
MATCHLINE STA 16+50

PARK BLVD

EX ROW

35+00

50+00

45+00

40+00

ROAD

PIERCE

STA 35+00, 39.3 RT
(RELOCATED SIGN LOCATION SHOWN)

PACE
DUST STOP
616

RELOCATE SIGN PANEL
ASSEMBLY, TYPE A
ON NEW 14' POST

STA 36+50, 40.0 RT

ONLY ONLY

R3-8B
30"X48"
2-14.5' POSTS

STA 51+00, 34.0 RT
(RELOCATED SIGN LOCATION SHOWN)

OVER 5 TONS
ACTUAL GROSS WEIGHT
LOCAL DELIVERY ONLY

RELOCATE SIGN PANEL
ASSEMBLY, TYPE A
ON NEW 14' POST

STA 51+80, 27.4 LT

ONLY

R3-5R
30"X36"
15' POST

STA 53+83, 27.7 LT

RIGHT LANE
MUST
TURN RIGHT

R3-7R
30"X36"
15' POST

MATCHLINE STA 19+50

NOTES:
1. ALL PROPOSED SIGNS SHALL HAVE TYPE ZZ RETROREFLECTIVE SHEETING
2. ALL SIGNS SHALL BE INSTALLED ON TELESCOPING STEEL SIGN SUPPORTS.

FILE NAME = 18R0939_02-SIGN-01 - P01	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

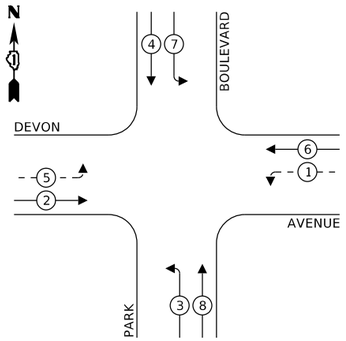
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
SIGNING PLAN

SCALE: H 1"=50' V 1"=5' | SHEET NO. 24 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	24
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

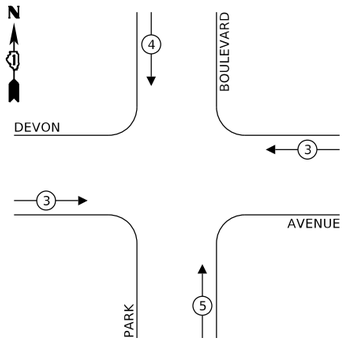
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



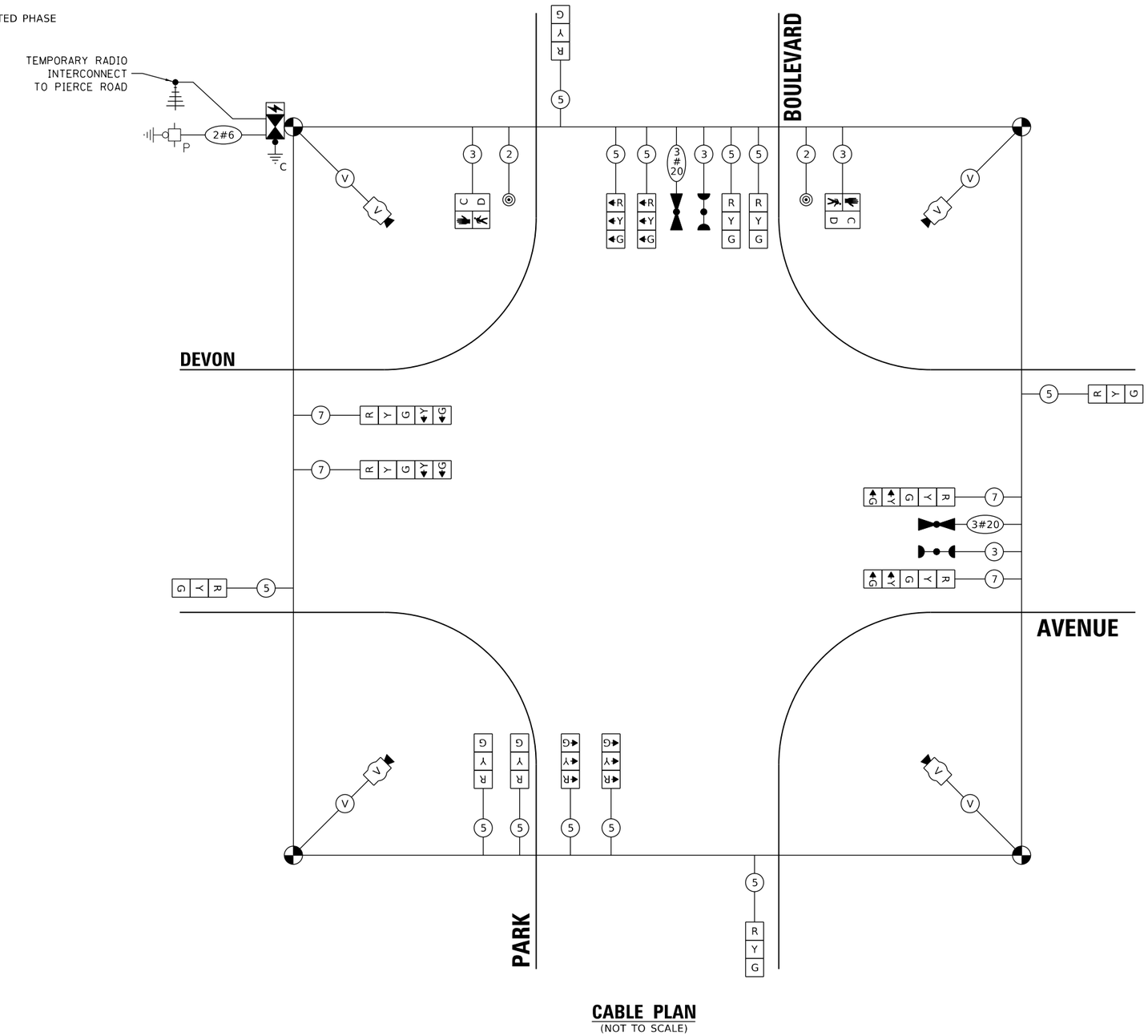
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	0.50	88.0
(YELLOW)	16	20	0.05	16.0
(GREEN)	16	12	0.45	86.4
ARROW	4	10	0.10	4.0
PED. SIGNAL	2	20	1.00	40.0
CONTROLLER	1	100	1.00	100.0
UPS	1	25	1.00	25.0
VIDEO SYSTEM	1	150	1.00	150.0
BLANK-OUT SIGN	-	25	0.05	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	509.4

ENERGY COSTS TO:

CALL CCHD FOR BILLING INFORMATION
AT (312) 603-1730

ENERGY SUPPLY: CONTACT: XXXXX
PHONE: 866-639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 10

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02 MICROSTATION\18-R0939_02-CBLE-04.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 11/2/2022	DATE - 08/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE DEVON AVENUE AT PARK BOULEVARD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	35
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

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	J	
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	
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	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	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	C D	C D
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#6	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

TS SHT NO. 1

MODEL: Default
FILE NAME: pw:\\L084EBIDINTEG:illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 51d22x34\CADData\CADsheets\ts05.dgn

USER NAME = footemj	DESIGNED - IP	REVISED -	
	DRAWN - IP	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 3/4/2019	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	26
	TS-05	CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

ts05.dgn 3/4/2019 11:21:00 AM | user:footemj

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.

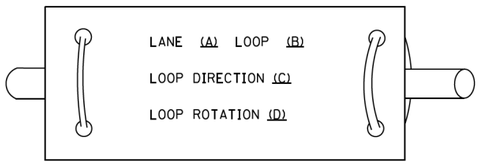
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

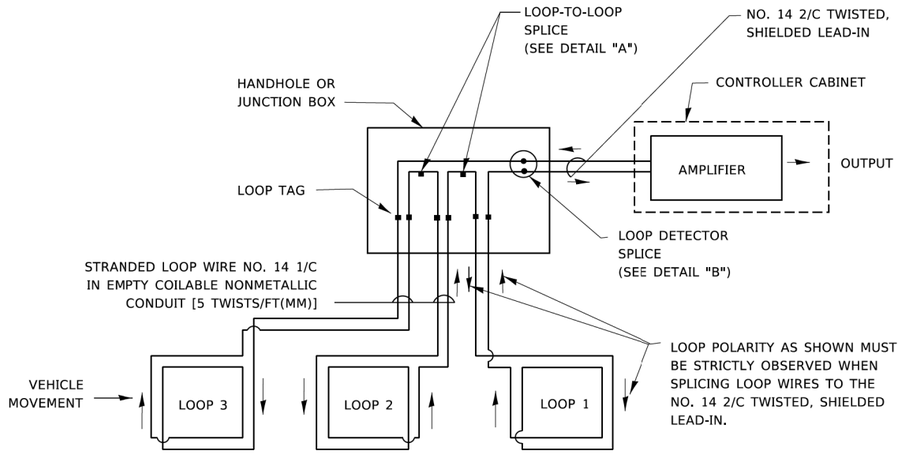


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

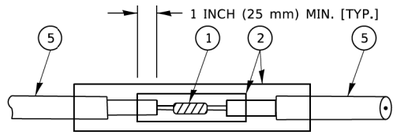
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

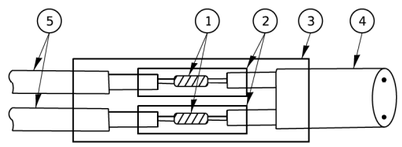


DETECTOR LOOP WIRING SCHEMATIC

- 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.

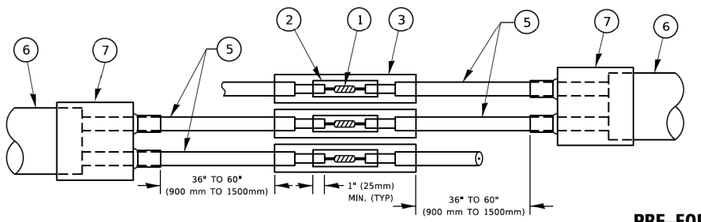


DETAIL "A"
LOOP-TO-LOOP SPLICE



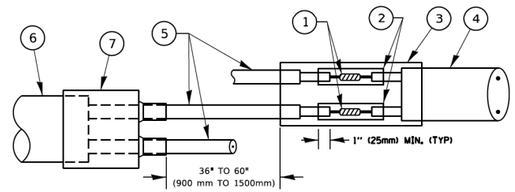
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

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

TS SHT NO. 2

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1\d22x34\CADData\CADSheets\ts02.dgn

USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

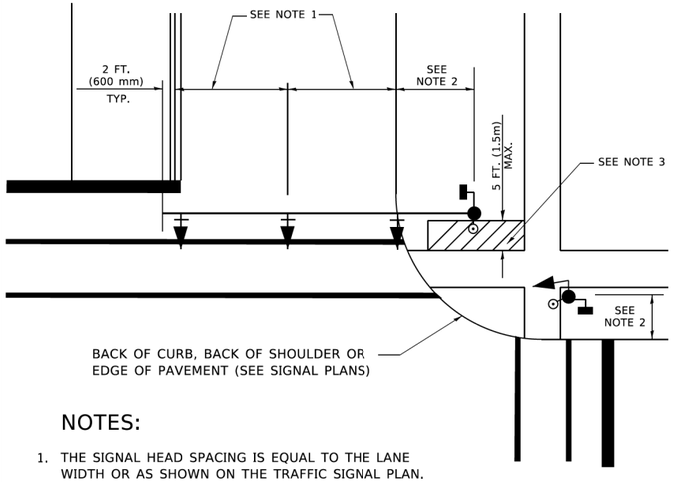
SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	27
	TS–05	CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

ts02.dgn 3/4/2019 11:22:18 AM User:footemj

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

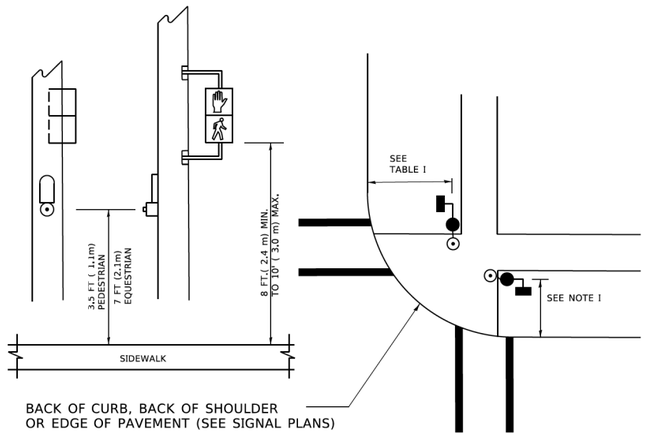
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

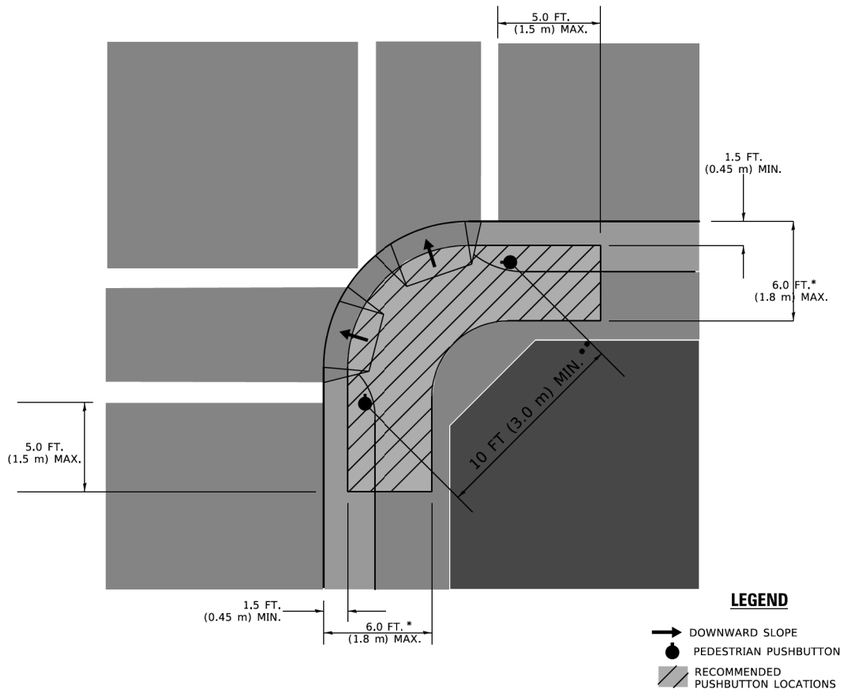
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT 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.

TS SHT NO. 3

MODEL: Default
FILE NAME: pw:\\LO84:EBIDINTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5\d22x34\CADData\CADsheets\ts05.dgn

USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

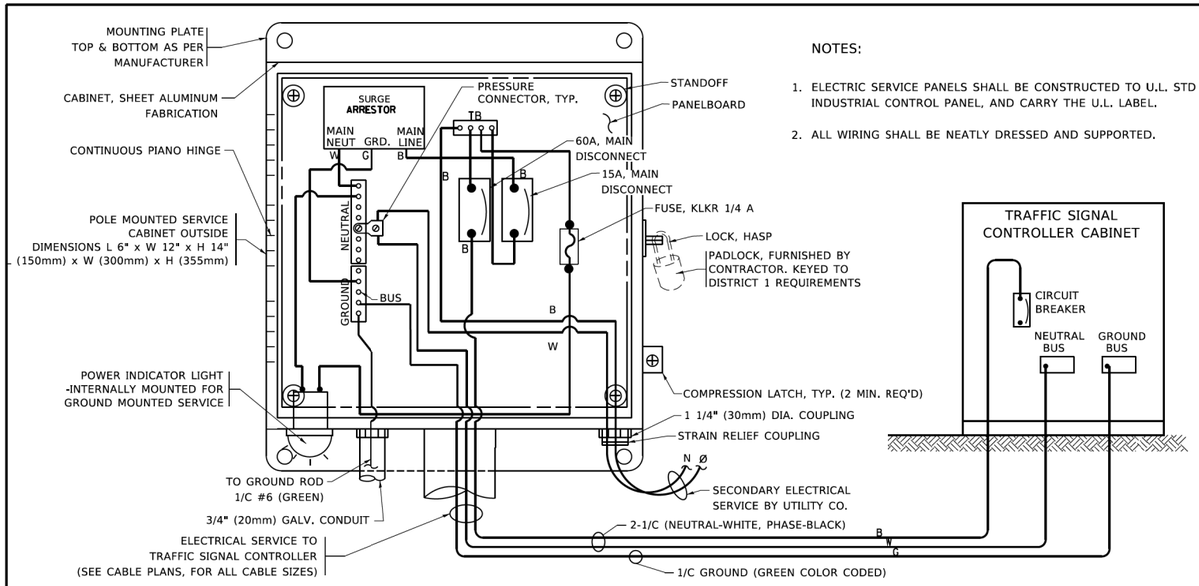
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	28
	TS-05	CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

ts05.dgn 3/4/2019 11:22:44 AM User:footemj



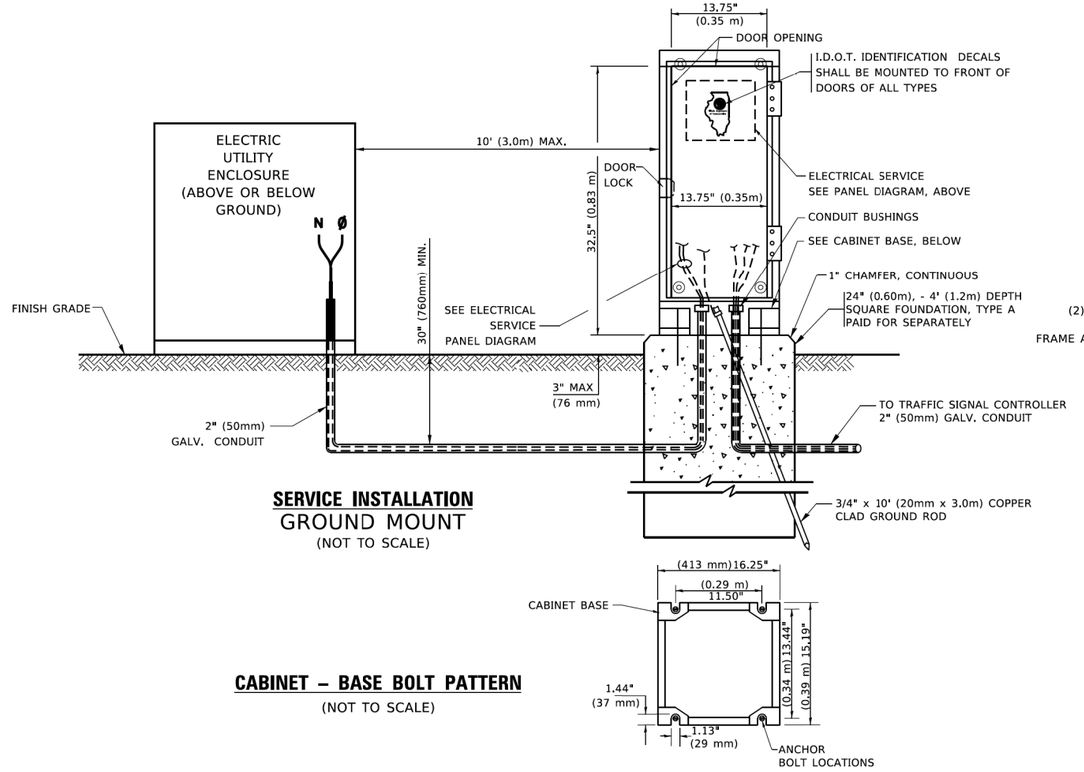
NOTES:

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)

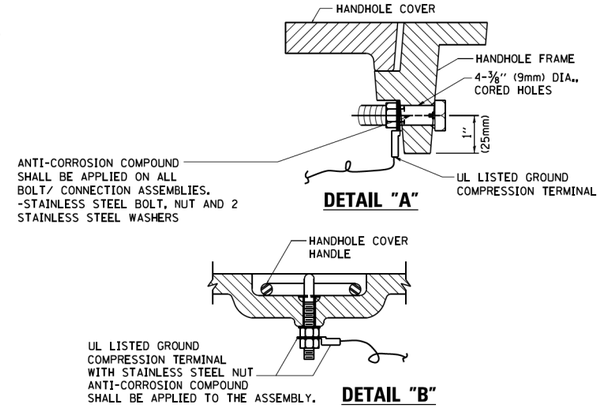


SERVICE INSTALLATION
GROUND MOUNT

(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

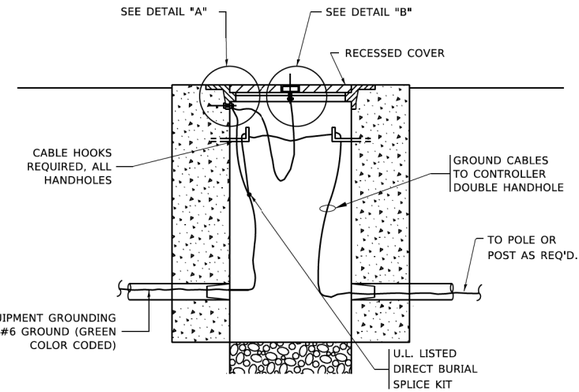
(NOT TO SCALE)



NOTES:

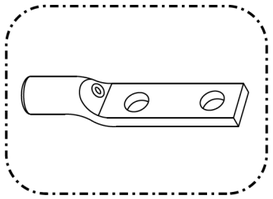
GROUNDING SYSTEM

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

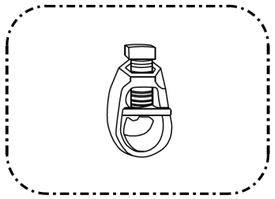


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



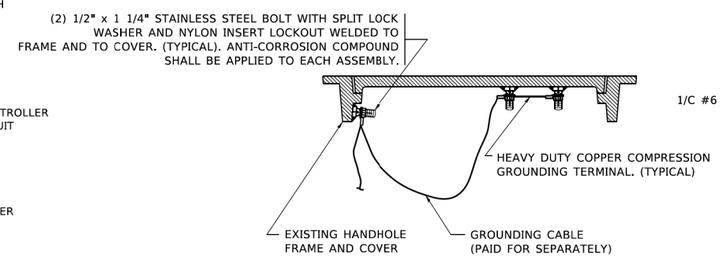
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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

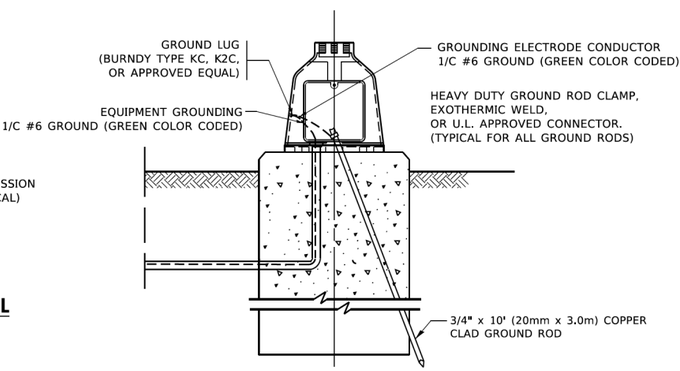
NOTES:

- 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.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

TS SHT NO. 4

MODEL: Default
FILE NAME: pw:\\IL084:EIDINTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\Std22x34\CADData\CADsheets\ts05.dgn

USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

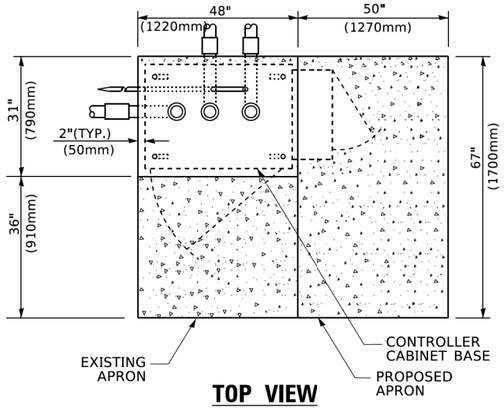
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

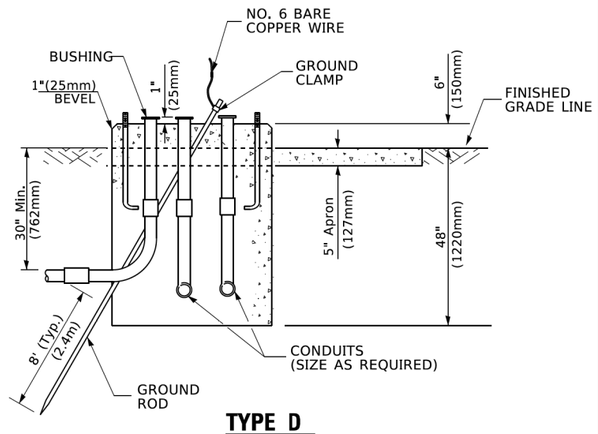
SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	29
	TS-05	CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

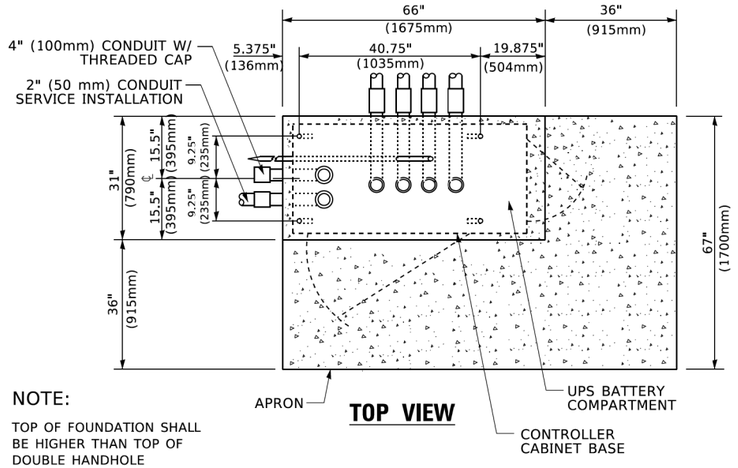
ts05.dgn 3/4/2019 11:23:10 AM User:footemj



TOP VIEW



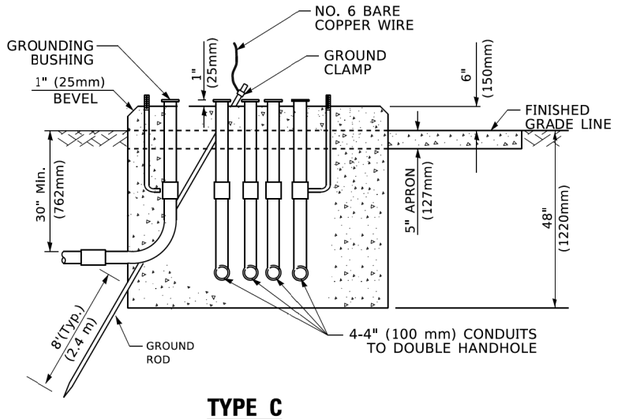
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



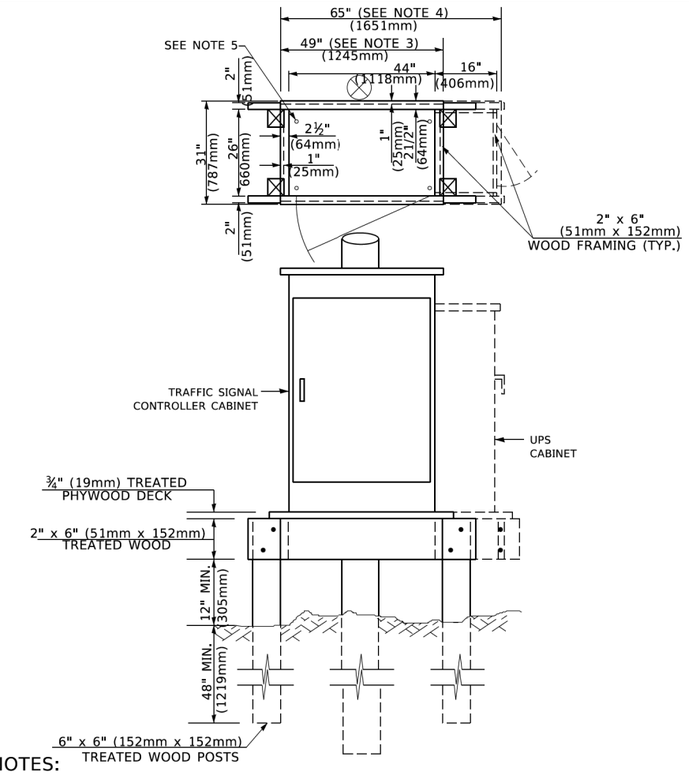
NOTE:

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

TS SHT NO. 5

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1s022x3a1\CADData\CADsheets\ts05.dgn

USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

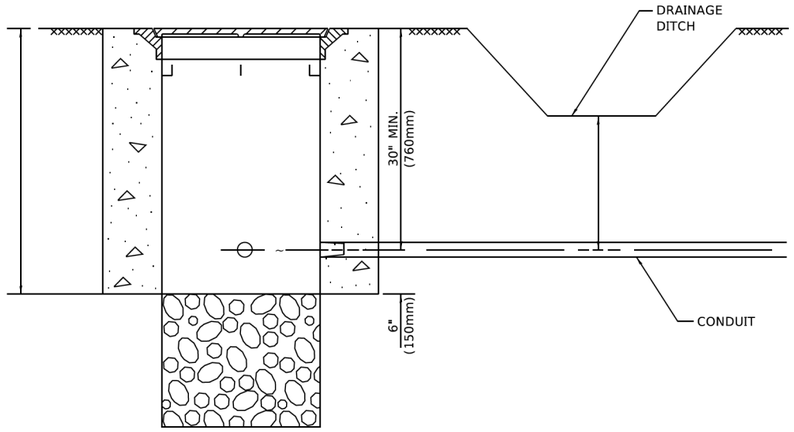
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	30
	TS-05	CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

ts05.dgn 3/4/2019 11:23:26 AM User:footemj

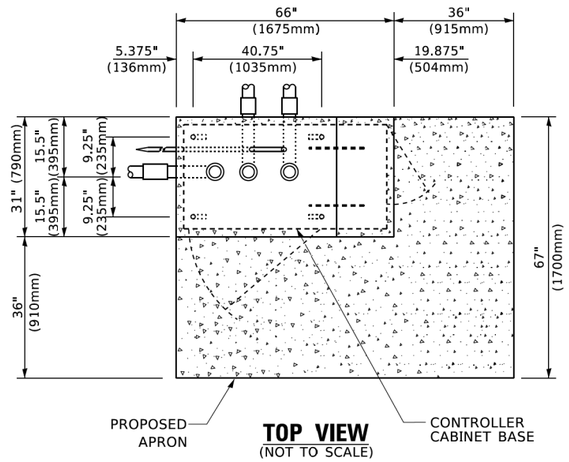


NOTES:

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.

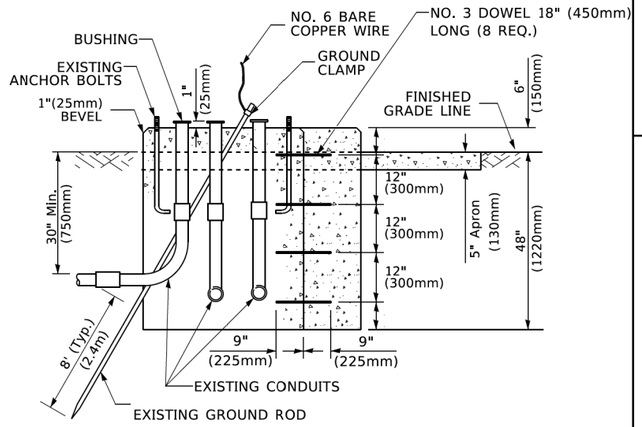
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



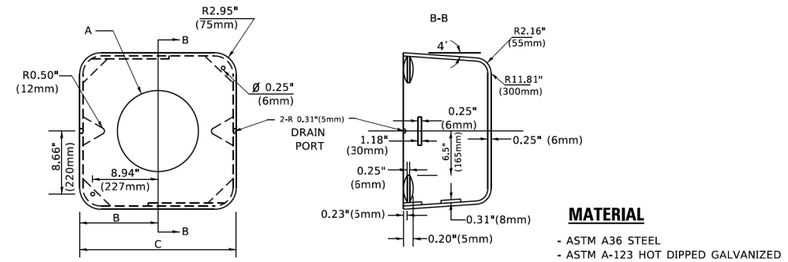
TOP VIEW

(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)

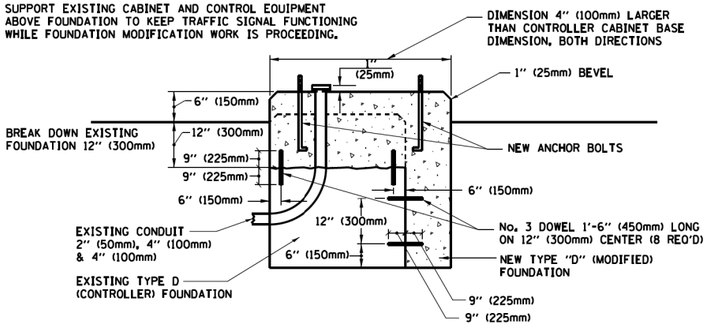
SHROUD

NOTES:

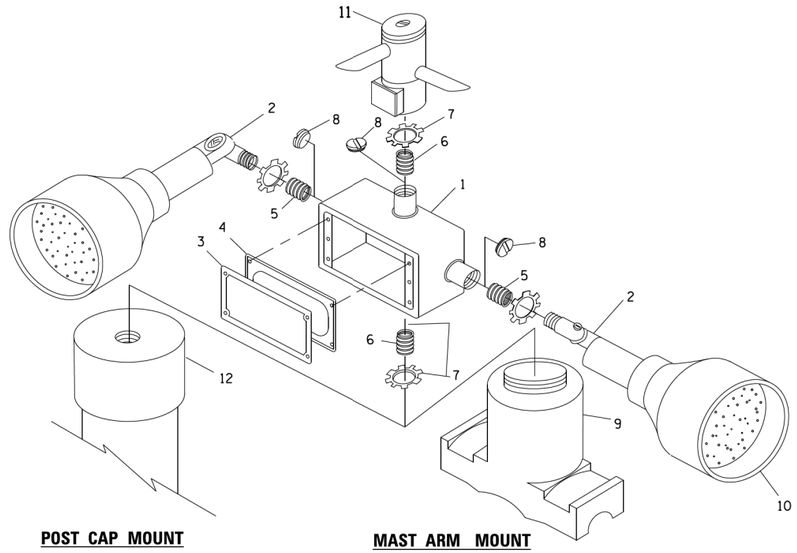
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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



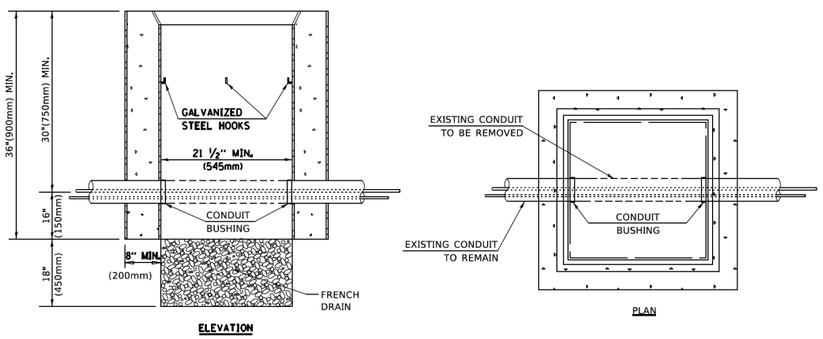
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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.



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

TS SHT NO. 6

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.Illinois.gov:PWIDOTDocuments\IDOT Offices\District 1\Projects\D1x51x022x34\CADData\CADsheets\ts05.dgn

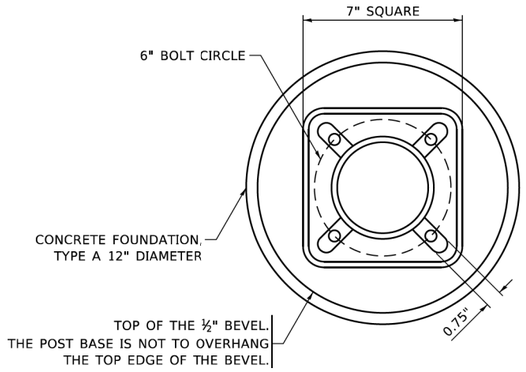
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

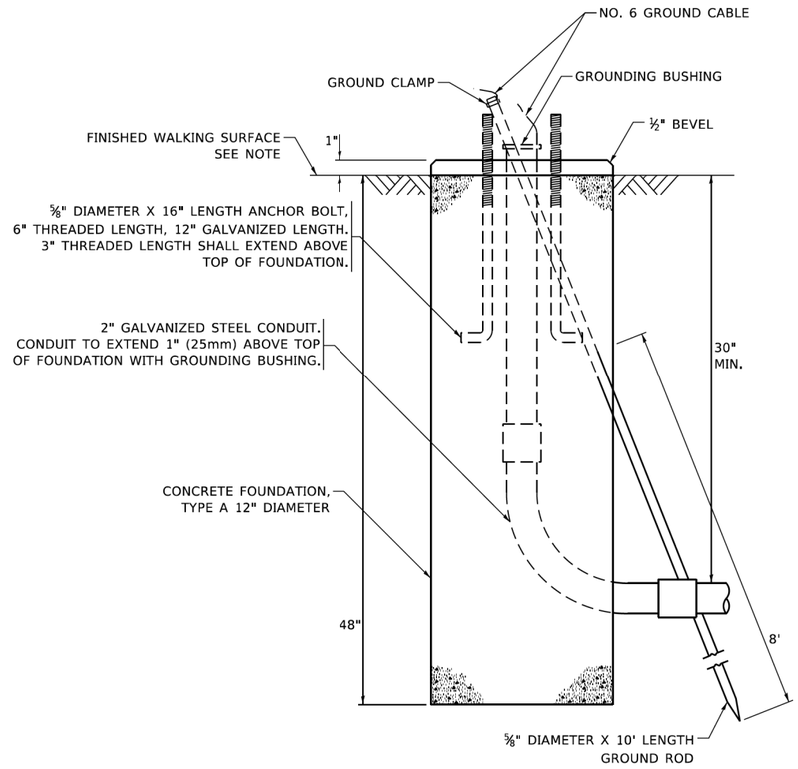
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	31
	TS-05	CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



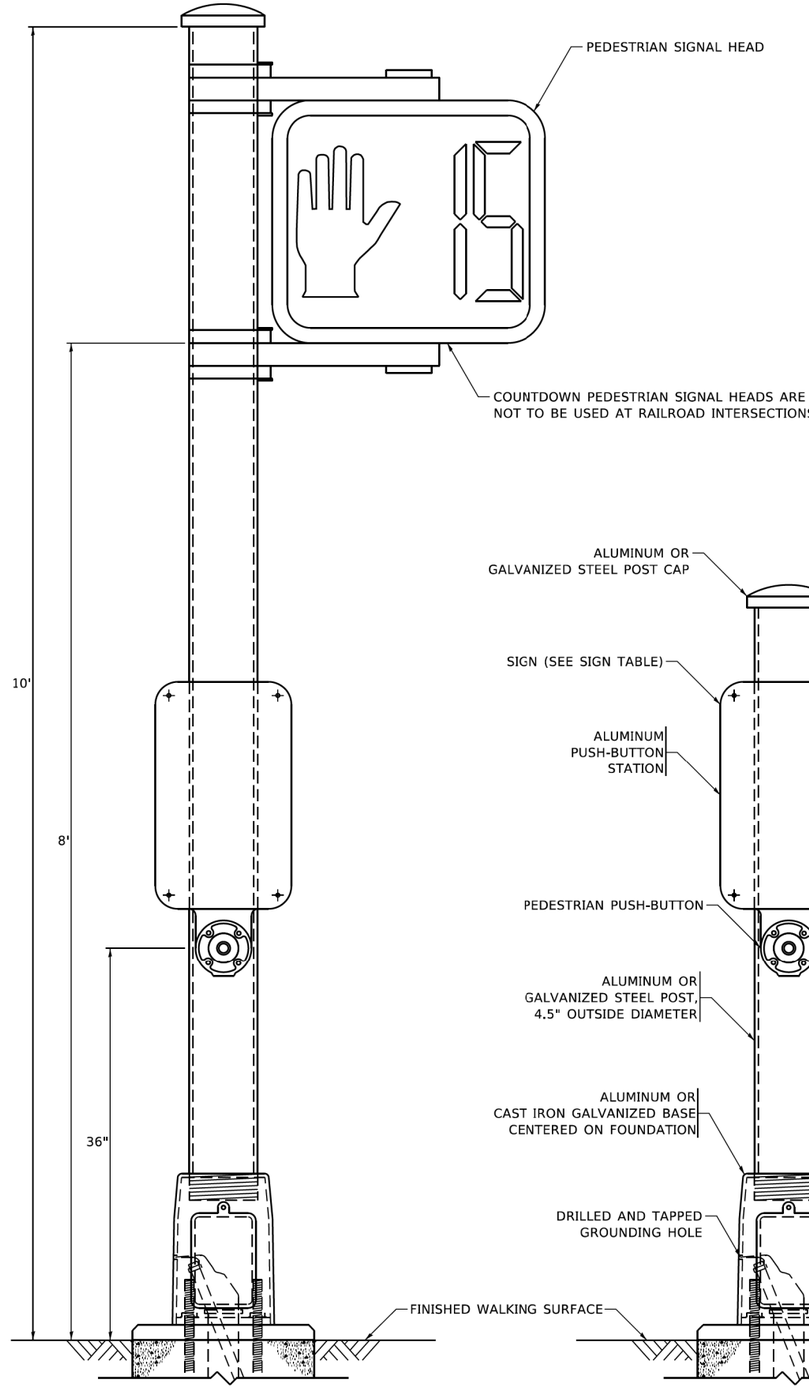
BOLT PATTERN

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

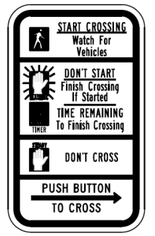


PEDESTRIAN SIGNAL POST, 10 FT.

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.

TS SHT NO. 7

MODEL: Default
FILE NAME: pw:\\gilanroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5\d22x34\CADData\CADsheets\ts05.dgn

USER NAME = gaglianobt	DESIGNED - IP	REVISED - 10-15-2020	
	DRAWN - IP	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -	

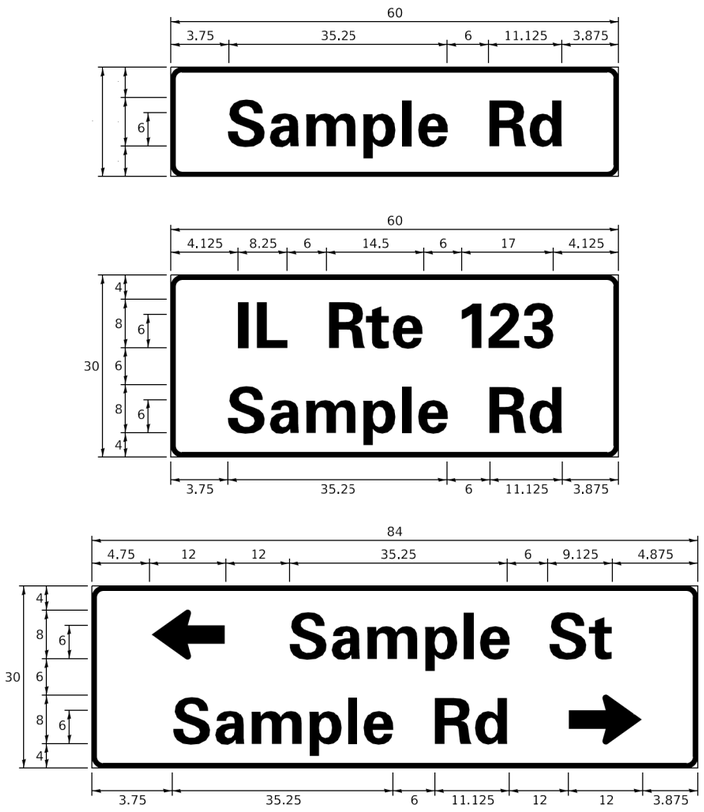
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	32
	TS–05	CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

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	-

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 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:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

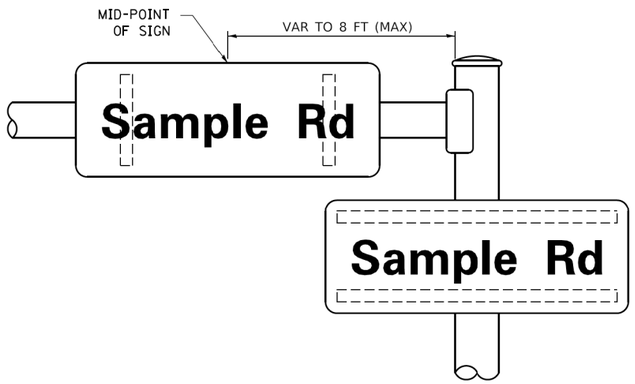
PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

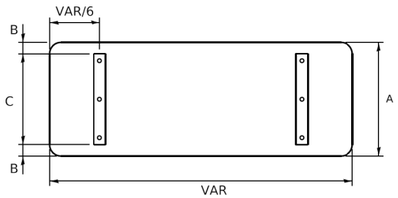
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

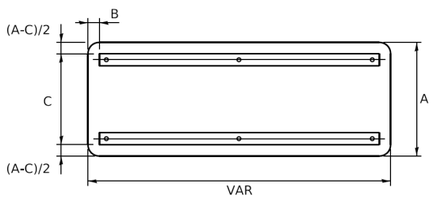
ARM OR POLE MOUNTED



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

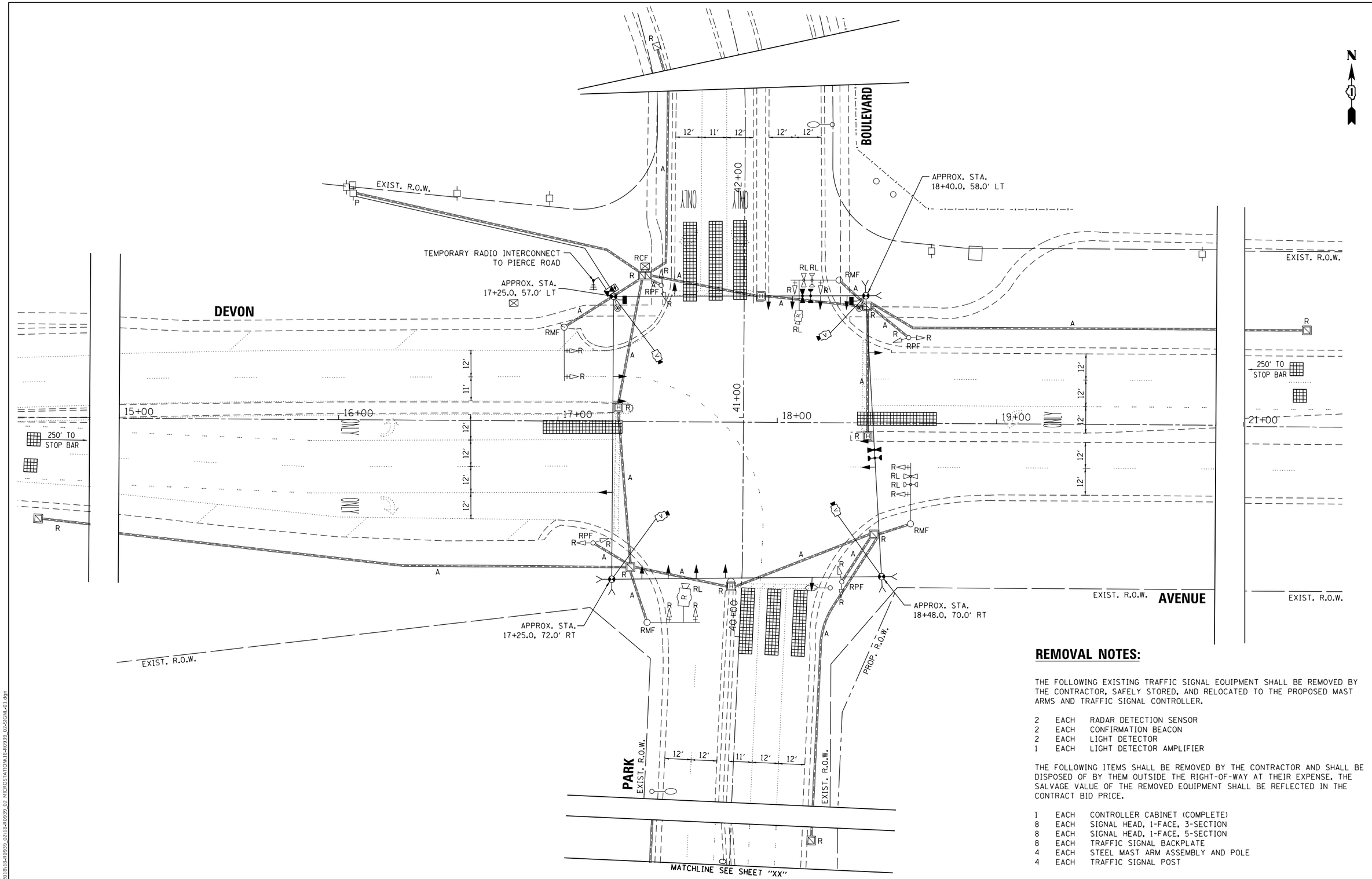
FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	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

TS SHT NO. 8

MODEL: Default
FILE NAME: pw:\\IL084:EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5\d22x34\CADData\CADsheets\ts02.dgn

USER NAME = footemj	DESIGNED - LP/IP	REVISED - LP 07/01/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS	
	DRAWN - LP	REVISED -			
PLOT SCALE = 50.0000 ' / in.	CHECKED - IP	REVISED -			
PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	33
	TS-02	CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		



REMOVAL NOTES:

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	RADAR DETECTION SENSOR
2	EACH	CONFIRMATION BEACON
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

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

1	EACH	CONTROLLER CABINET (COMPLETE)
8	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
8	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
8	EACH	TRAFFIC SIGNAL BACKPLATE
4	EACH	STEEL MAST ARM ASSEMBLY AND POLE
4	EACH	TRAFFIC SIGNAL POST

TS SHT NO. 9

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02_MICROSTATION\18-R0939_02-SIGNL-01.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 11/1/2022	DATE - 08/11/2022	REVISED -	

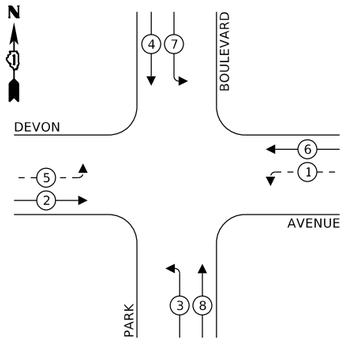
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
DEVON AVENUE AT PARK BOULEVARD

SCALE: _____ SHEET __ OF __ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	34
		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

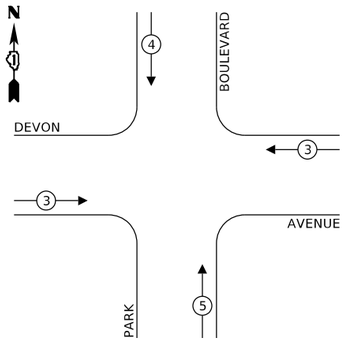
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



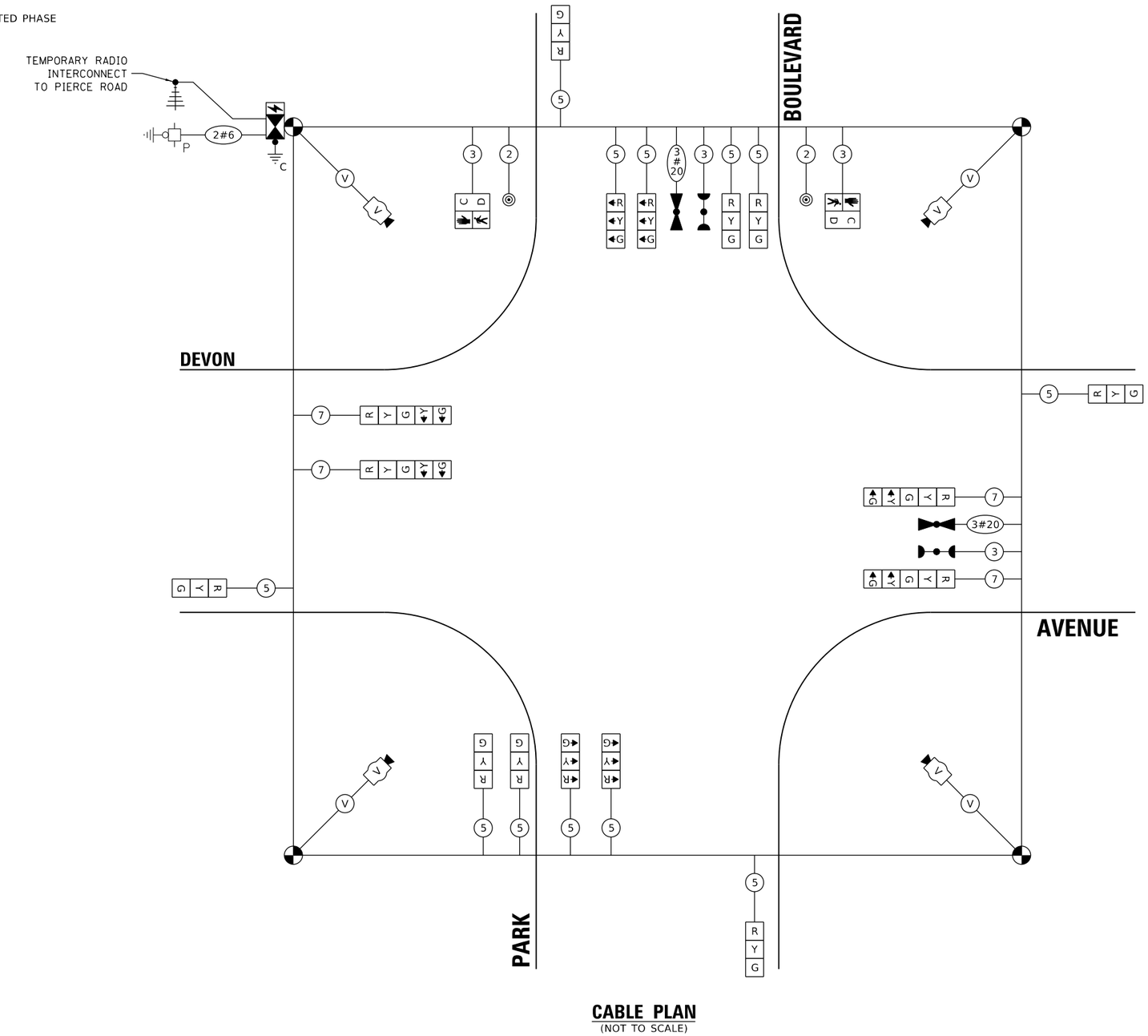
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	0.50	88.0
(YELLOW)	16	20	0.05	16.0
(GREEN)	16	12	0.45	86.4
ARROW	4	10	0.10	4.0
PED. SIGNAL	2	20	1.00	40.0
CONTROLLER	1	100	1.00	100.0
UPS	1	25	1.00	25.0
VIDEO SYSTEM	1	150	1.00	150.0
BLANK-OUT SIGN	-	25	0.05	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	509.4

ENERGY COSTS TO:

CALL CCHD FOR BILLING INFORMATION
AT (312) 603-1730

ENERGY SUPPLY: CONTACT: XXXXX
PHONE: 866-639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 10

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02 MICROSTATION\18-R0939_02-CBLE-04.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 11/2/2022	DATE - 08/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

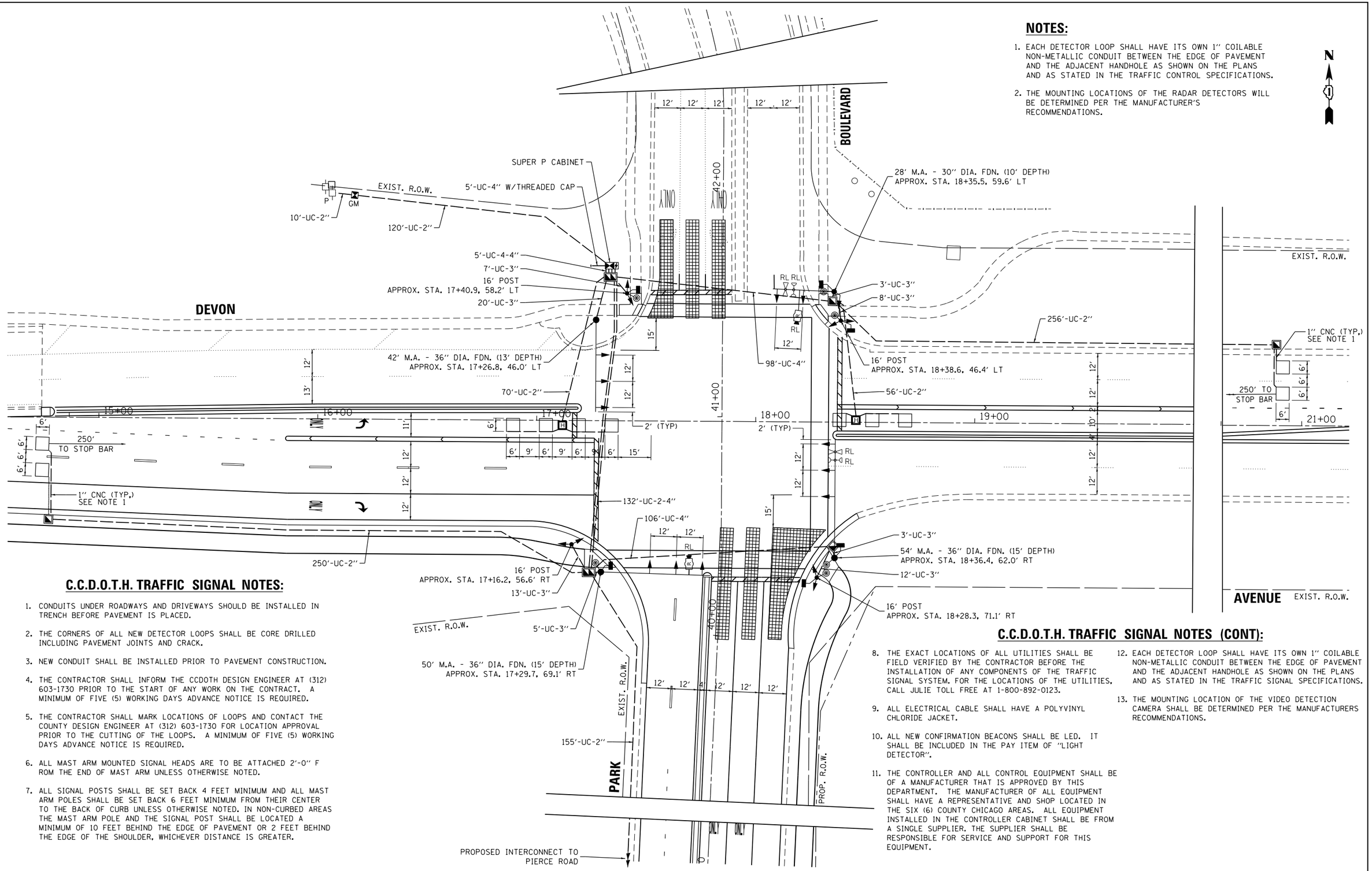
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE DEVON AVENUE AT PARK BOULEVARD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	35
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC CONTROL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.



C.C.D.O.T.H. TRAFFIC SIGNAL NOTES:

1. CONDUITS UNDER ROADWAYS AND DRIVEWAYS SHOULD BE INSTALLED IN TRENCH BEFORE PAVEMENT IS PLACED.
2. THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACK.
3. NEW CONDUIT SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
4. THE CONTRACTOR SHALL INFORM THE CCDOTH DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
5. THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT THE COUNTY DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
6. ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED 2'-0" F ROM THE END OF MAST ARM UNLESS OTHERWISE NOTED.
7. ALL SIGNAL POSTS SHALL BE SET BACK 4 FEET MINIMUM AND ALL MAST ARM POLES SHALL BE SET BACK 6 FEET MINIMUM FROM THEIR CENTER TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE AND THE SIGNAL POST SHALL BE LOCATED A MINIMUM OF 10 FEET BEHIND THE EDGE OF PAVEMENT OR 2 FEET BEHIND THE EDGE OF THE SHOULDER, WHICHEVER DISTANCE IS GREATER.

C.C.D.O.T.H. TRAFFIC SIGNAL NOTES (CONT):

8. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123.
9. ALL ELECTRICAL CABLE SHALL HAVE A POLYVINYL CHLORIDE JACKET.
10. ALL NEW CONFIRMATION BEACONS SHALL BE LED. IT SHALL BE INCLUDED IN THE PAY ITEM OF "LIGHT DETECTOR".
11. THE CONTROLLER AND ALL CONTROL EQUIPMENT SHALL BE OF A MANUFACTURER THAT IS APPROVED BY THIS DEPARTMENT. THE MANUFACTURER OF ALL EQUIPMENT SHALL HAVE A REPRESENTATIVE AND SHOP LOCATED IN THE SIX (6) COUNTY CHICAGO AREAS. ALL EQUIPMENT INSTALLED IN THE CONTROLLER CABINET SHALL BE FROM A SINGLE SUPPLIER. THE SUPPLIER SHALL BE RESPONSIBLE FOR SERVICE AND SUPPORT FOR THIS EQUIPMENT.
12. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
13. THE MOUNTING LOCATION OF THE VIDEO DETECTION CAMERA SHALL BE DETERMINED PER THE MANUFACTURERS RECOMMENDATIONS.

TS SHT NO. 11

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02_MICROSTATION\18-R0939_02-SIGNL-02.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 9/30/2022	DATE - 08/11/2022	REVISED -	

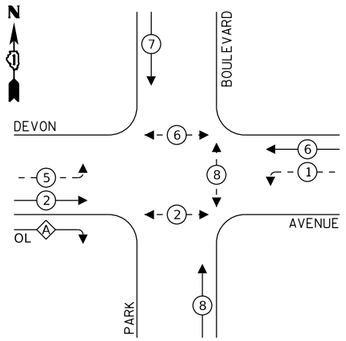
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
DEVON AVENUE AT PARK BOULEVARD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	36
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

PROPOSED CONTROLLER SEQUENCE



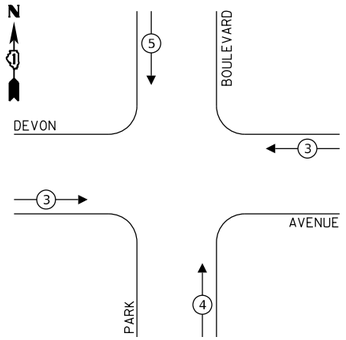
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



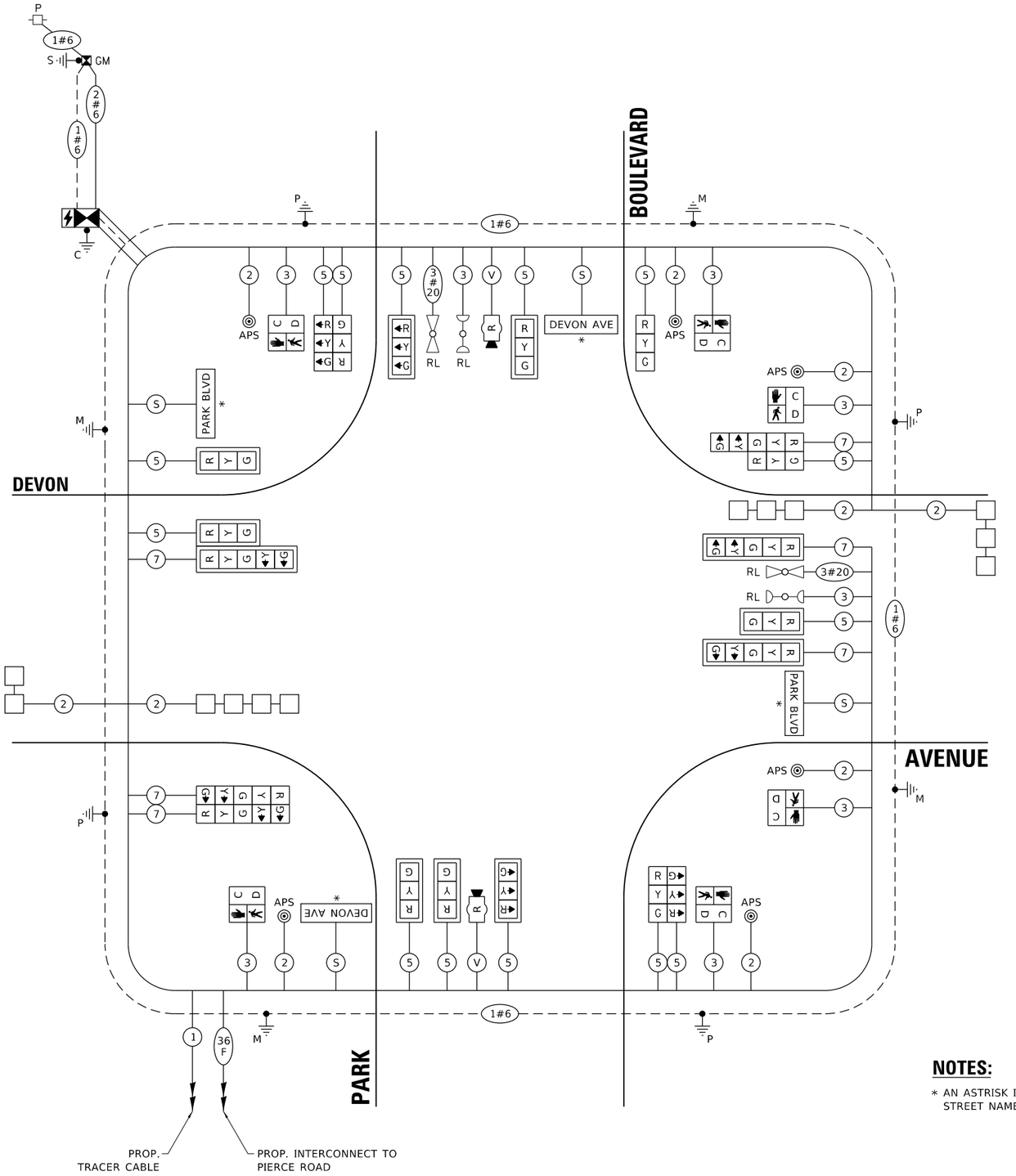
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	17	0.50	170.0
(YELLOW)	20	25	0.25	125.0
(GREEN)	20	15	0.25	75.0
ARROW	8	12	0.10	9.6
PED. SIGNAL	6	25	1.00	150.0
CONTROLLER	1	100	1.00	100.0
UPS	1	25	1.00	25.0
VIDEO SYSTEM	1	150	1.00	150.0
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	4	120	0.50	240.0
LUMINAIRE	-	-	-	-
			TOTAL =	1044.6

ENERGY COSTS TO:

CALL CCHD FOR BILLING INFORMATION
AT (312) 603-1730

ENERGY SUPPLY: CONTACT: XXXXX
PHONE: 866-639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



NOTES:

* AN ASTRISK INDICATES ILLUMINATED STREET NAME SIGN.

TS SHT NO. 12

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02 MICROSTATION\18-R0939_02-CBLE-406.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 11/1/2022	DATE - 08/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

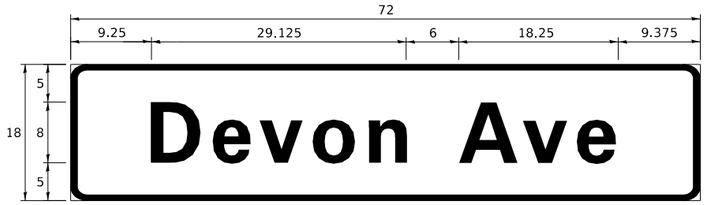
CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE DEVON AVENUE AT PARK BOULEVARD

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

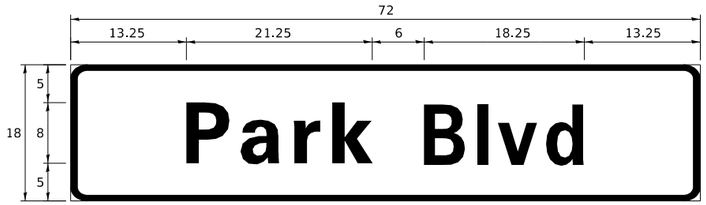
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	37
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

LED INTERNALLY ILLUMINATED STREET NAME SIGN

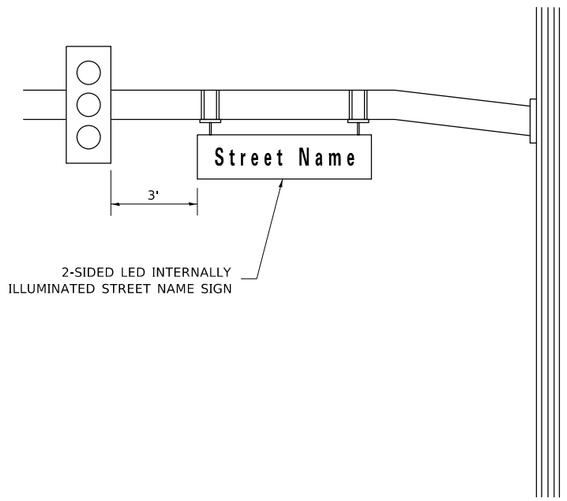
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9	1	ZZ	2



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	762
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	61
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	493
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1121
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1701
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2586
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1383
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1114
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	130
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1164
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	360
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	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	538
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	862
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6

NOTES:
1. FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.
2. ALL ILLUMINATED STREET NAME SIGNS ARE TO BE TWO-SIDED AND CLEARVIEW HWY 5-W FONT.

TS SHT NO. 13

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02 MICROSTATION\18-R0939_02_01-DTLS-02.dgn

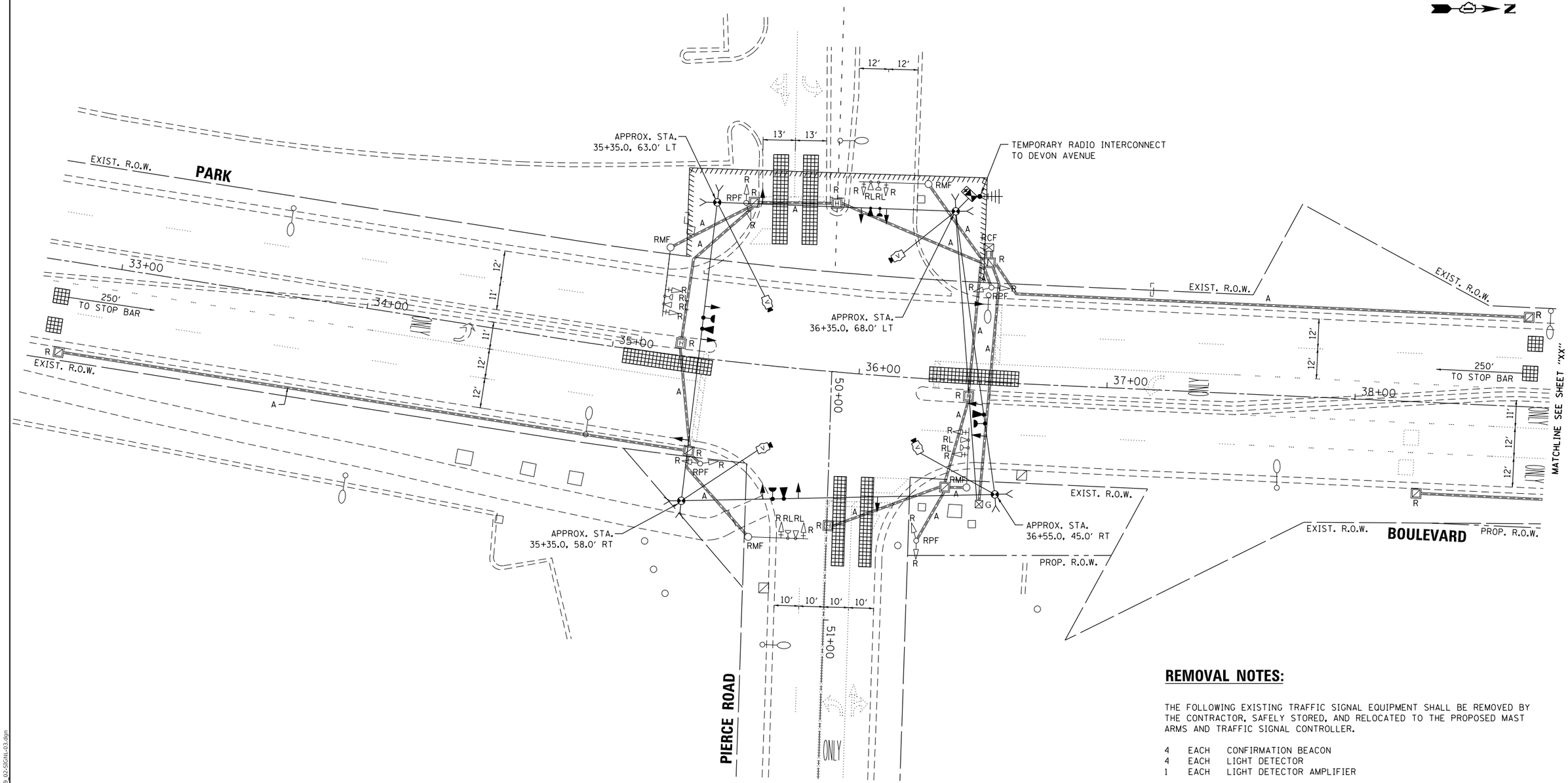
USER NAME = kmuhr	DESIGNED - SK	REVISED -
	DRAWN - KWM	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -
PLOT DATE = 11/1/2022	DATE - 08/11/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
DEVON AVENUE AT PARK BOULVEVARD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	38
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



REMOVAL NOTES:

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.

4	EACH	CONFIRMATION BEACON
4	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

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

1	EACH	CONTROLLER CABINET (COMPLETE)
12	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
8	EACH	TRAFFIC SIGNAL BACKPLATE
4	EACH	STEEL MAST ARM ASSEMBLY AND POLE
4	EACH	TRAFFIC SIGNAL POST

TS SHT NO. 14

MODEL: Default
FILE NAME: P:\2018\18-R0939-02\18-R0939_02 MICROSTATION\18-R0939_02-SIGNL-03.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 9/30/2022	DATE - 08/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

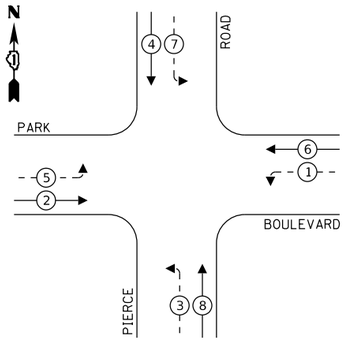
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
PARK BOULEVARD AT PIERCE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	39
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)

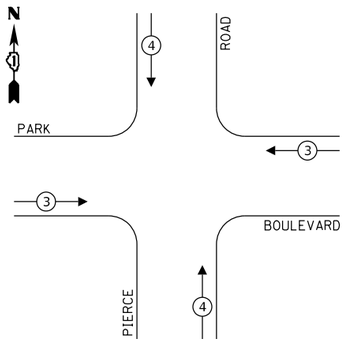
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



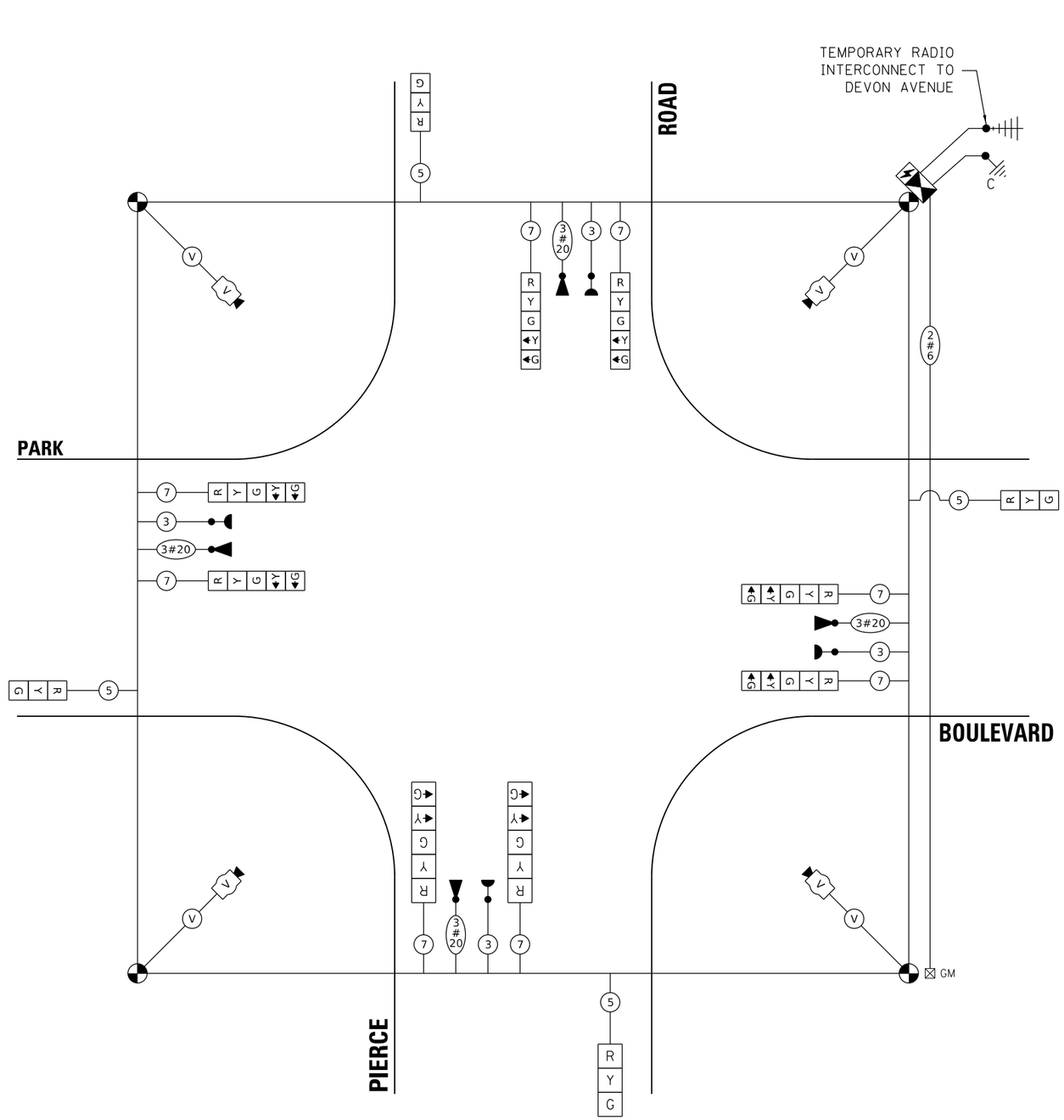
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	0.50	66.0
(YELLOW)	12	20	0.05	12.0
(GREEN)	12	12	0.45	64.8
ARROW	8	10	0.10	8.0
PED. SIGNAL	-	-	-	-
CONTROLLER	1	100	1.00	100.0
UPS	1	25	1.00	25.0
VIDEO SYSTEM	1	150	1.00	150.0
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
			TOTAL =	425.8

ENERGY COSTS TO:

CALL CCHD FOR BILLING INFORMATION
AT (312) 603-1730

ENERGY SUPPLY: CONTACT:
PHONE: 866-639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN

NOT TO SCALE

TS SHT NO. 15

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02 MICROSTATION\18-R0939_02-CBLE-03.dgn

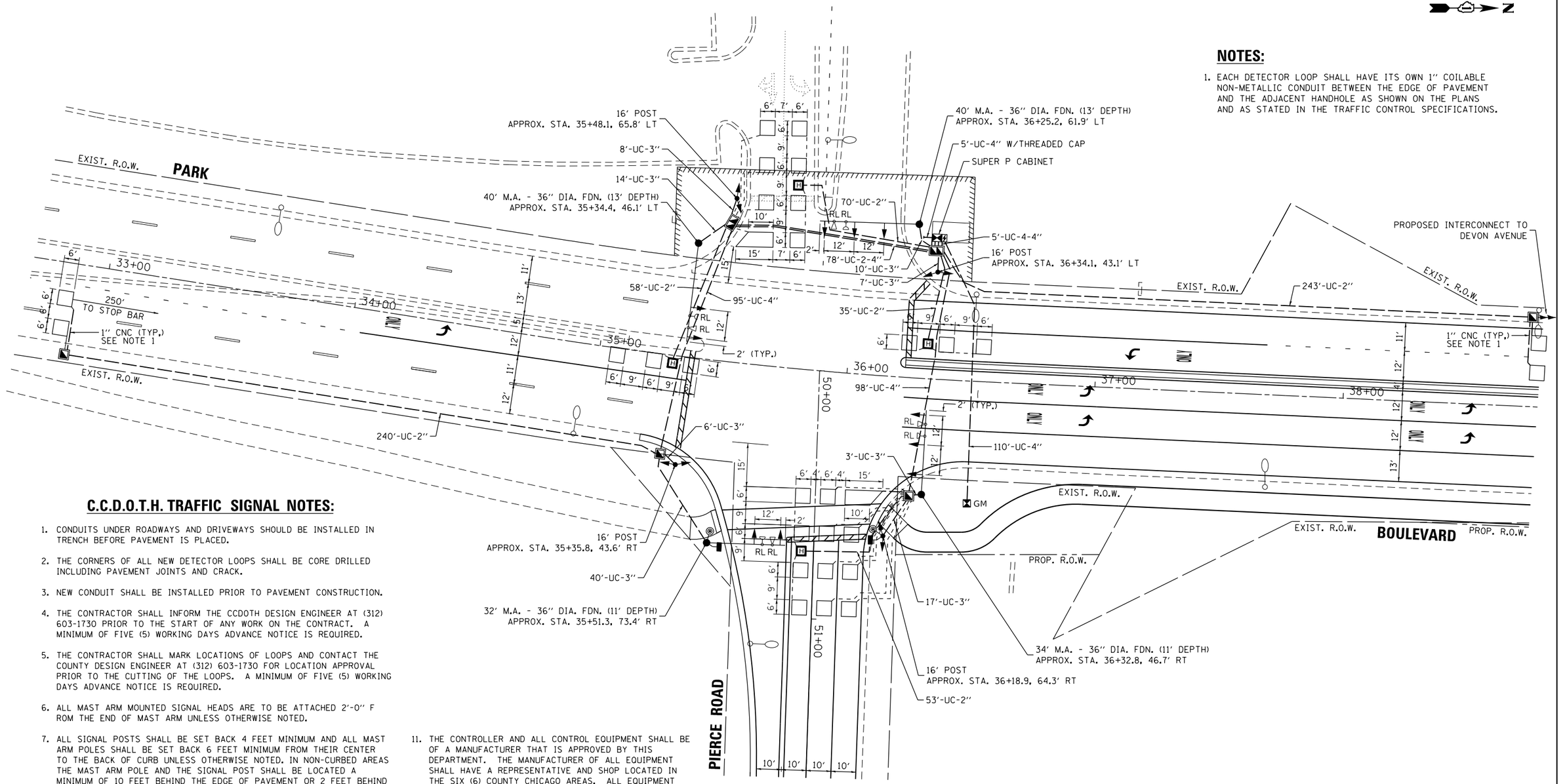
USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 9/30/2022	DATE - 08/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
PARK BOULEVARD AT PIERCE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	40
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1'' COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC CONTROL SPECIFICATIONS.

C.C.D.O.T.H. TRAFFIC SIGNAL NOTES:

1. CONDUITS UNDER ROADWAYS AND DRIVEWAYS SHOULD BE INSTALLED IN TRENCH BEFORE PAVEMENT IS PLACED.
2. THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACK.
3. NEW CONDUIT SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
4. THE CONTRACTOR SHALL INFORM THE CCDOTH DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
5. THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT THE COUNTY DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
6. ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED 2'-0'' F ROM THE END OF MAST ARM UNLESS OTHERWISE NOTED.
7. ALL SIGNAL POSTS SHALL BE SET BACK 4 FEET MINIMUM AND ALL MAST ARM POLES SHALL BE SET BACK 6 FEET MINIMUM FROM THEIR CENTER TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE AND THE SIGNAL POST SHALL BE LOCATED A MINIMUM OF 10 FEET BEHIND THE EDGE OF PAVEMENT OR 2 FEET BEHIND THE EDGE OF THE SHOULDER, WHICHEVER DISTANCE IS GREATER.
8. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123.
9. ALL ELECTRICAL CABLE SHALL HAVE A POLYVINYL CHLORIDE JACKET.
10. ALL NEW CONFIRMATION BEACONS SHALL BE LED. IT SHALL BE INCLUDED IN THE PAY ITEM OF ''LIGHT DETECTOR''.
11. THE CONTROLLER AND ALL CONTROL EQUIPMENT SHALL BE OF A MANUFACTURER THAT IS APPROVED BY THIS DEPARTMENT. THE MANUFACTURER OF ALL EQUIPMENT SHALL HAVE A REPRESENTATIVE AND SHOP LOCATED IN THE SIX (6) COUNTY CHICAGO AREAS. ALL EQUIPMENT INSTALLED IN THE CONTROLLER CABINET SHALL BE FROM A SINGLE SUPPLIER. THE SUPPLIER SHALL BE RESPONSIBLE FOR SERVICE AND SUPPORT FOR THIS EQUIPMENT.
12. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1'' COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
13. THE MOUNTING LOCATION OF THE VIDEO DETECTION CAMERA SHALL BE DETERMINED PER THE MANUFACTURERS RECOMMENDATIONS.

TS SHT NO. 16

MODEL: Default
FILE NAME: P:\2018\18-R0939-02\18-R0939_02_MICROSTATION\18-R0939_02-SIGN-04.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 9/30/2022	DATE - 08/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

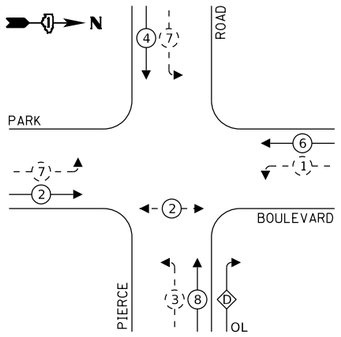
TRAFFIC SIGNAL MODERNIZATION PLAN
PARK BOULEVARD AT PIERCE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	41
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEWS(656)

PROPOSED CONTROLLER SEQUENCE



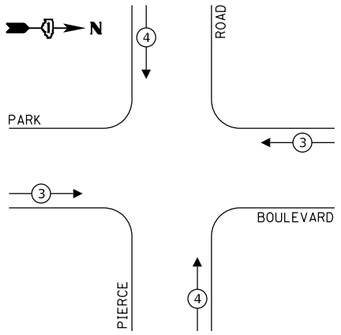
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



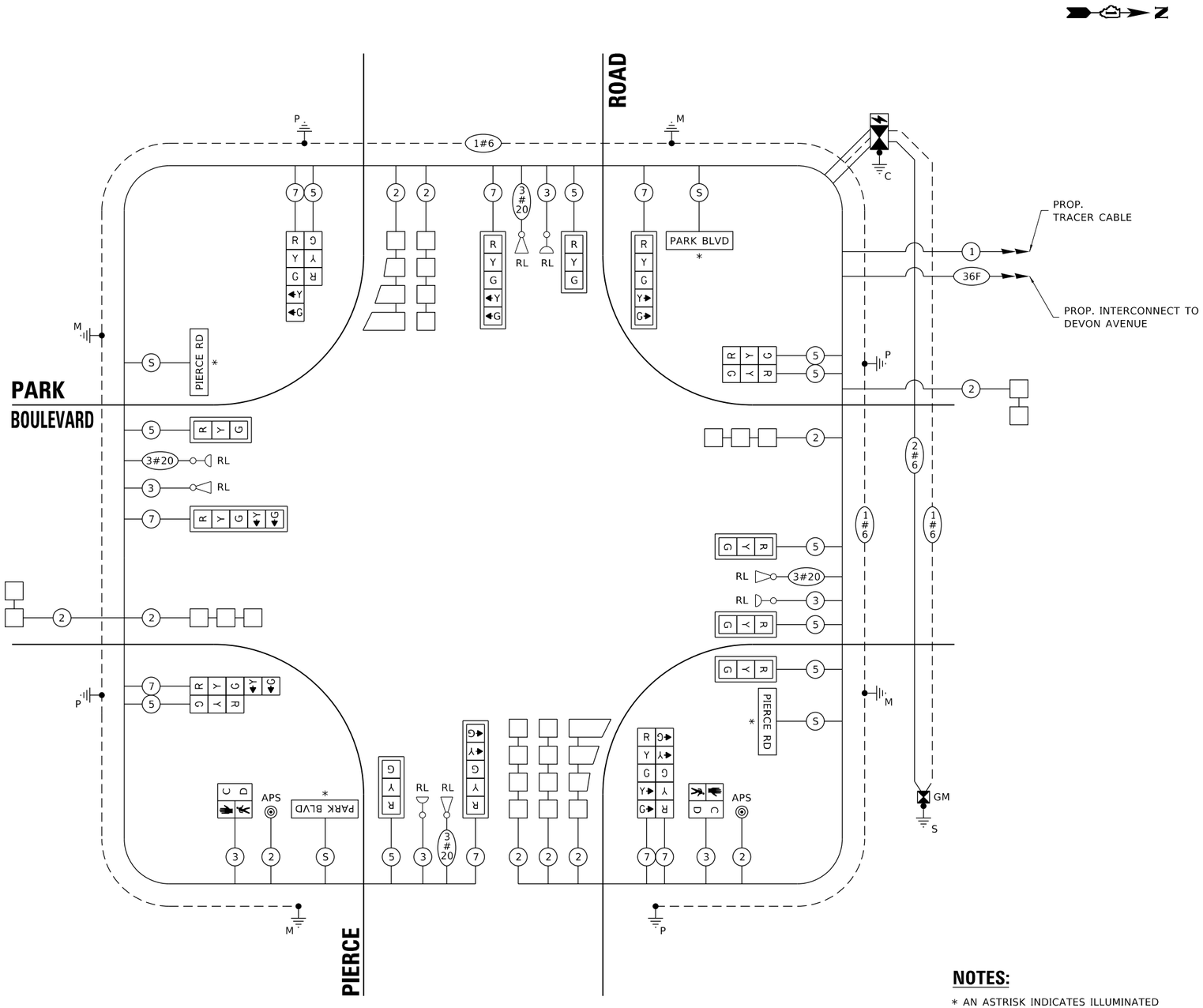
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	17	0.50	153.0
(YELLOW)	18	25	0.25	112.5
(GREEN)	18	15	0.25	67.5
ARROW	8	12	0.10	9.6
PED. SIGNAL	2	25	1.00	50.0
CONTROLLER	1	100	1.00	100.0
UPS	1	25	1.00	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
			TOTAL =	517.6

ENERGY COSTS TO:

CALL CCHD FOR BILLING INFORMATION AT (312) 603-1730

ENERGY SUPPLY: CONTACT: -
PHONE: (866)639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
NOT TO SCALE

NOTES:

* AN ASTRISK INDICATES ILLUMINATED STREET NAME SIGN.

TS SHT NO. 17

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02 MICROSTATION\18-R0939_02-CBLE-05.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 9/30/2022	DATE - 08/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

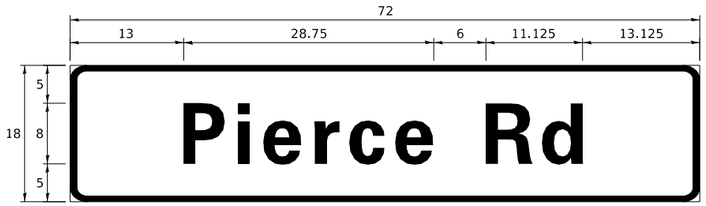
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE PARK BOULEVARD AT PIERCE ROAD

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

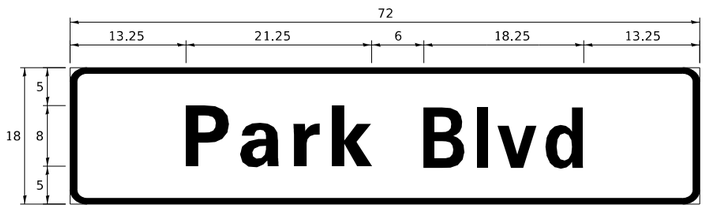
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	42
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEWS(656)		

LED INTERNALLY ILLUMINATED STREET NAME SIGN

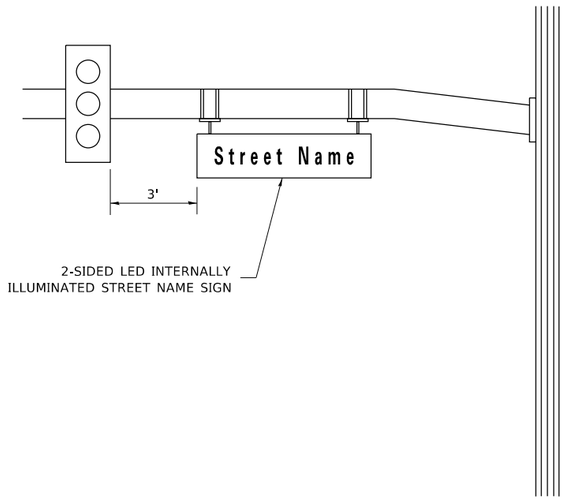
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9	1	ZZ	2



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	727
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	105
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	484
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	421
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1194
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1559
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1370
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1357
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	130
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1220
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE I	FOOT	1023
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	4
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	759
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	712
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2

NOTES:
1. FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.
2. ALL ILLUMINATED STREET NAME SIGNS ARE TO BE TWO-SIDED AND CLEARVIEW HWY 5-W FONT.

TS SHT NO. 18

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02_MICROSTATION\18-R0939_02_01-DTLS-03.dgn

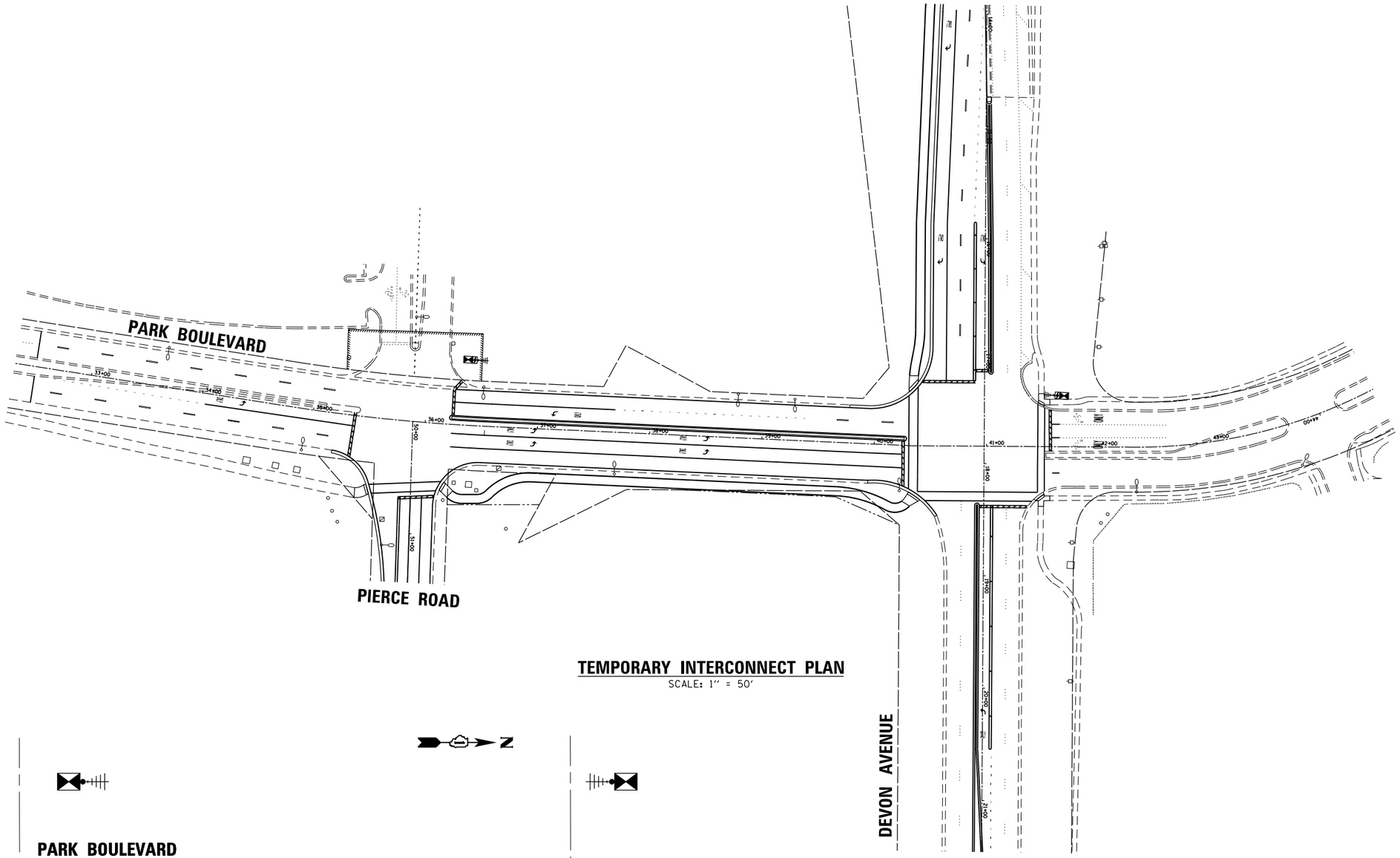
USER NAME = kmuhr	DESIGNED - SK	REVISED -	
	DRAWN - KWM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - SK	REVISED -	
PLOT DATE = 11/1/2022	DATE - 08/11/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
PARK BOULEVARD AT PIERCE ROAD

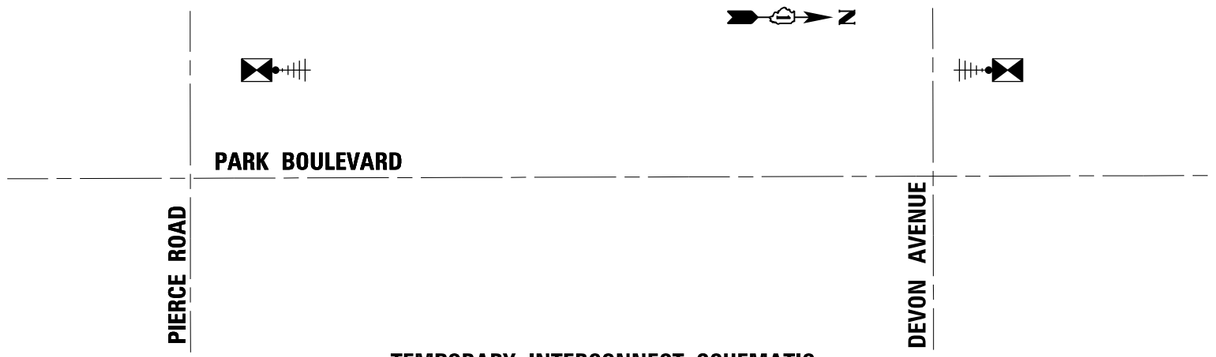
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	43
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



TEMPORARY INTERCONNECT PLAN

SCALE: 1" = 50'



TEMPORARY INTERCONNECT SCHEMATIC

(NOT TO SCALE)

TS SHT NO. 19

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02_MICROSTATION\18-R0939_02-INCT-01.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -
	DRAWN - KWM	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - SK	REVISED -
PLOT DATE = 9/30/2022	DATE - 08/11/2022	REVISED -

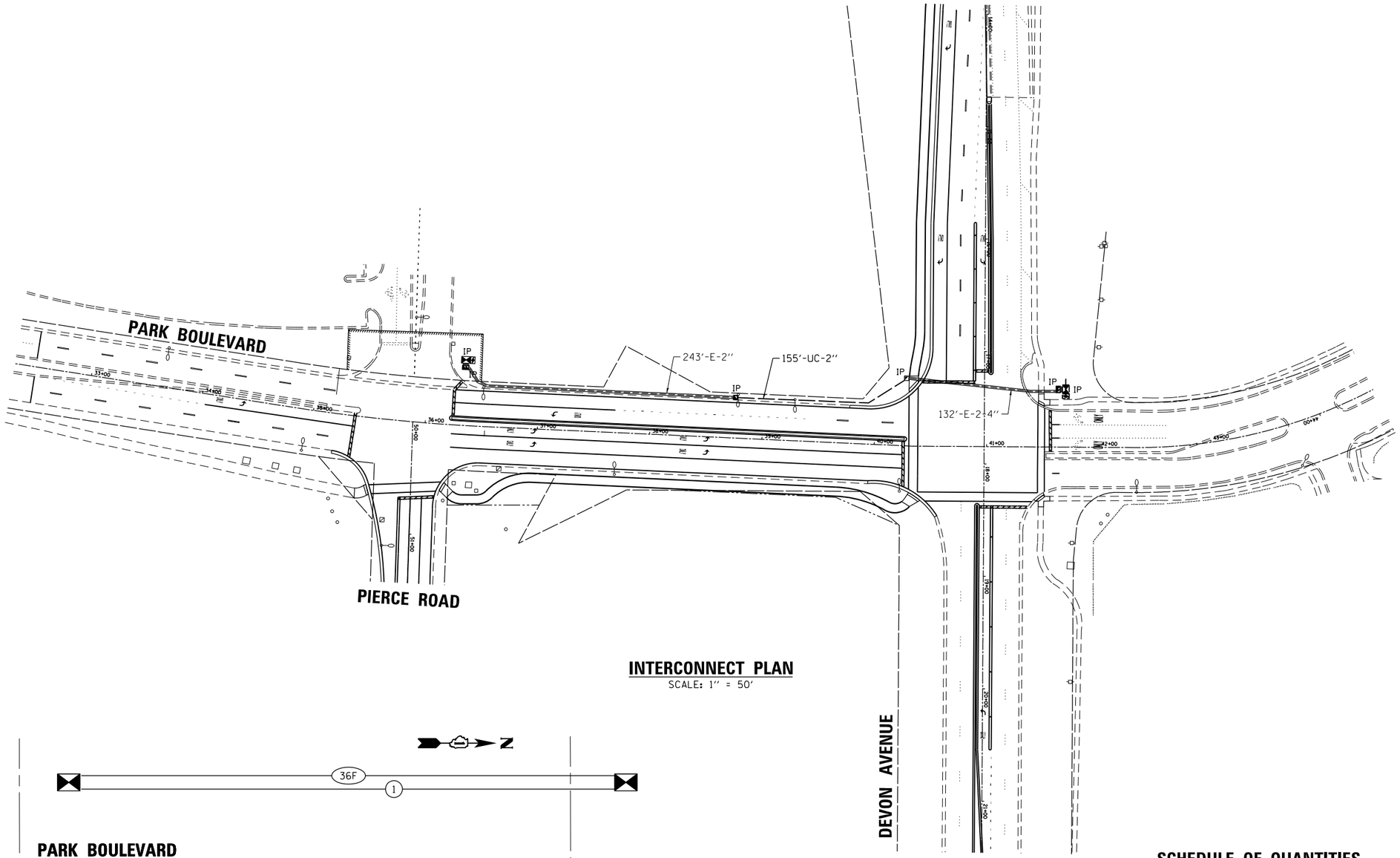
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN AND SCHEMATIC
DEVON AVENUE AT PARK BOULEVARD
PARK BOULEVARD AT PIERCE ROAD

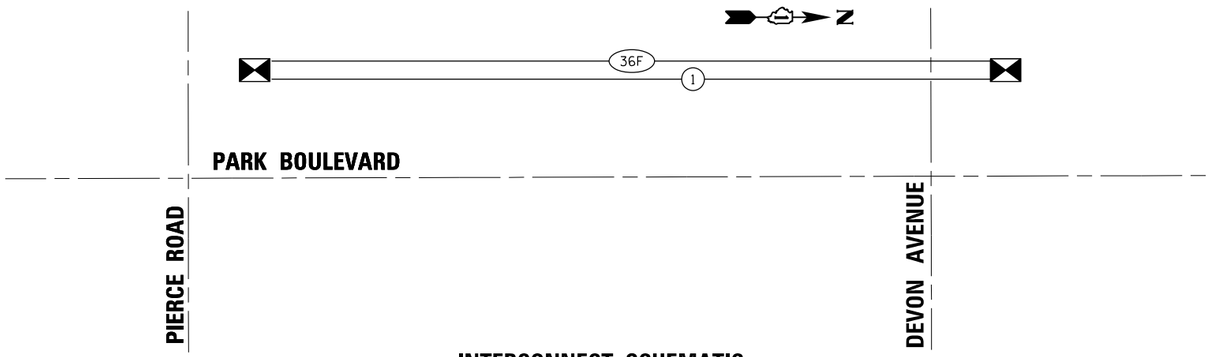
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2957	19-00066-00-CH	DuPAGE	67	44
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEWS(656)



INTERCONNECT PLAN
SCALE: 1" = 50'



INTERCONNECT SCHEMATIC
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	155
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	540
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	540
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

TS SHT NO. 20

MODEL: Default
FILE NAME: P:\2018\18-R0939_02\18-R0939_02_MICROSTATION\18-R0939_02-INCT-02.dgn

USER NAME = kmuhr	DESIGNED - SK	REVISED -
	DRAWN - KWM	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - SK	REVISED -
PLOT DATE = 9/30/2022	DATE - 08/11/2022	REVISED -

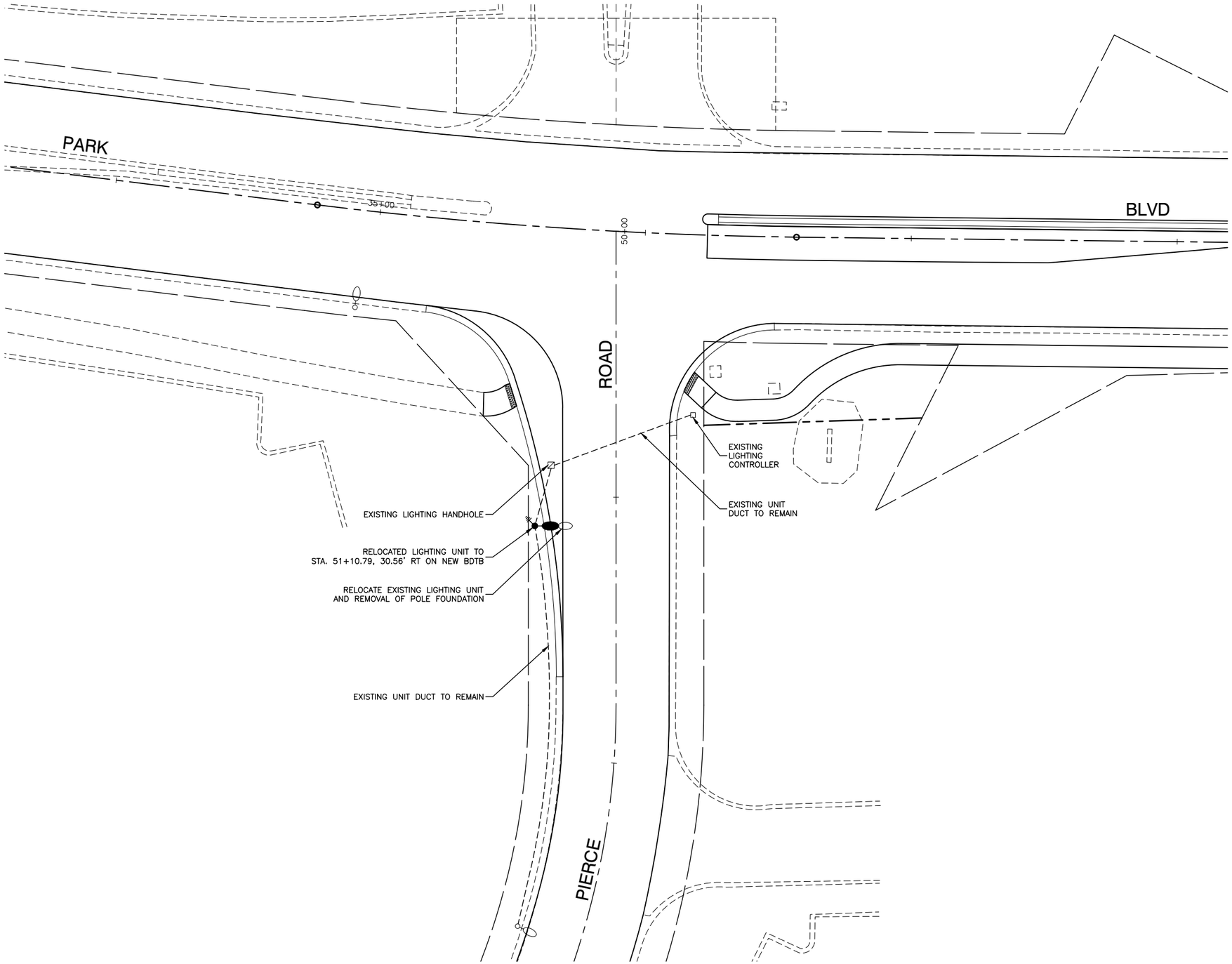
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN, SCHEMATIC AND SCHEDULE OF QUANTITIES
DEVON AVENUE AT PARK BOULEVARD
PARK BOULEVARD AT PIERCE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2957	19-00066-00-CH	DUPAGE	67	45
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEWS(656)



NOMINAL WATTAGE	FUSE SIZE
250	3.0 AMP

LUMINAIRE FUSE SIZE TABLE

LEGEND:

○⬭	EXISTING STREET LIGHT
●⬬	RELOCATED STREET LIGHT
- - - - -	UNIT DUCT, 600V, 3-1/C, NO.6 AWG AND NO.8 GROUND, (XLP-TYPE USE), IN 1-1/4" DIA. POLYETHYLENE
LT	LEFT
RT	RIGHT
MH	MOUNTING HEIGHT
MA	MAST ARM
B/C	BACK OF CURB
BDTB	BREAKAWAY DEVICE, TRANSFORMER BASE, 15" BOLT CIRCLE

POLE IDENTIFICATION

1 — CABINET NUMBER
C — CIRCUIT
1 — POLE POSITION

NOTES

1. CONNECTION TO EXISTING LIGHTS SHALL BE ACCOMPLISHED BY PROVIDING NEW FUSE KITS AND SPLICES PER THE LIGHTING DETAILS. THE COST OF CONNECTING TO THE EXISTING LIGHTS, INCLUDING ALL MATERIALS REQUIRED, SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS LIGHTING ITEMS IN THE CONTRACT.
2. CONTRACTOR SHALL ATTEMPT TO REUSE EXISTING UNIT DUCT. THIS WORK SHALL BE INCLUDED IN THE RELOCATE EXISTING LIGHTING UNIT PAY ITEM. IF THE EXISTING UNIT DUCT CANNOT BE USED, THE CONTRACTOR SHALL INSTALL NEW UNIT DUCT, WHICH SHALL BE INCLUDED IN THE COST OF THE RELOCATE EXISTING LIGHTING UNIT PAY ITEM.

FILE NAME = 18R0939_02-LGHT-01 - P01	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

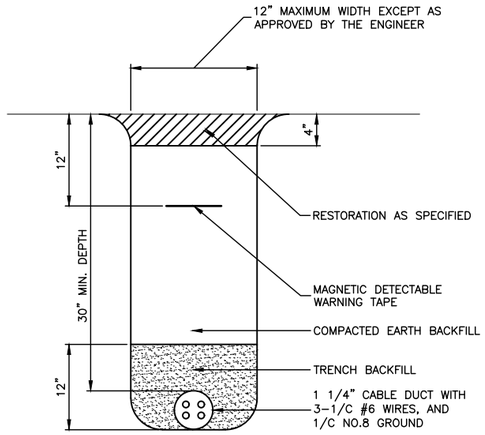
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
LIGHTING PLAN

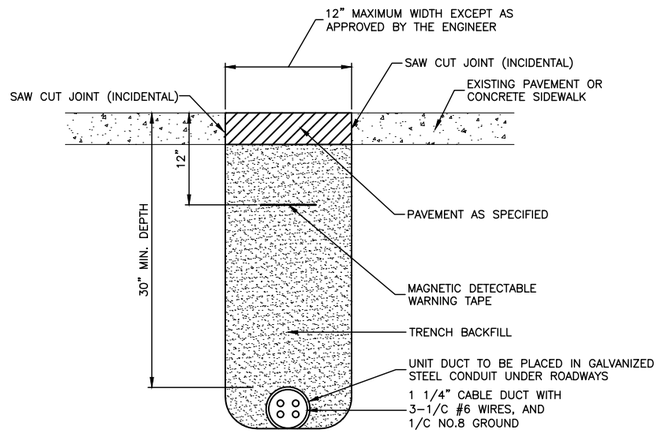
SCALE: 1"=20' | SHEET NO. 46 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	46
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)



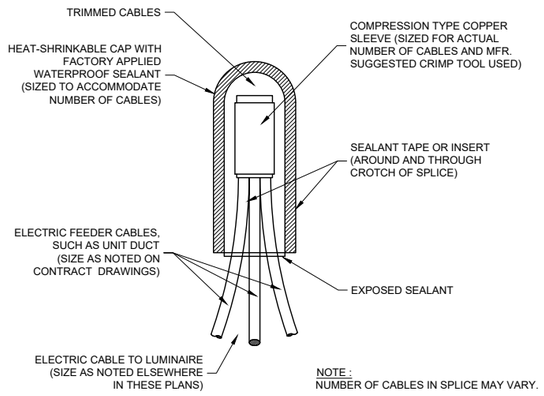
TRENCH DETAIL - UNPAVED AREAS



TRENCH DETAIL - PAVED AREAS

LIGHTING GENERAL NOTES

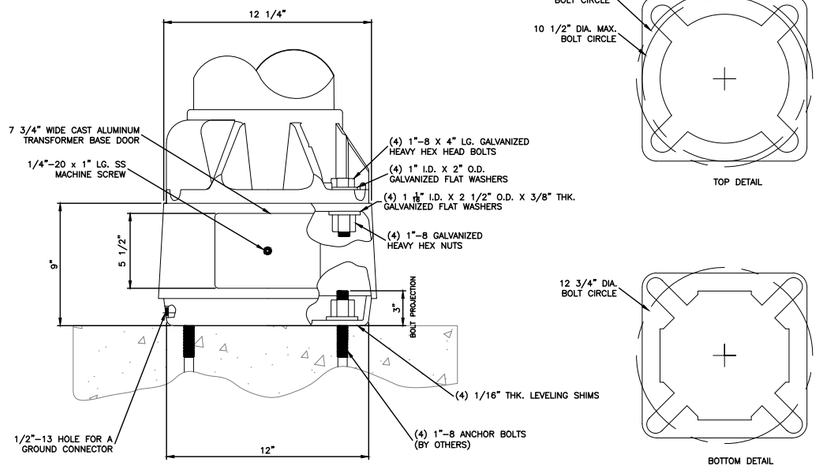
1. ALL WORK TO CONFORM TO THE MOST RECENT NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
2. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
3. BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL C.E. Co. FOR APPROVAL OF LOCATION.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
5. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
7. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
8. CONDUITS AND UNIT DUCTS MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES.



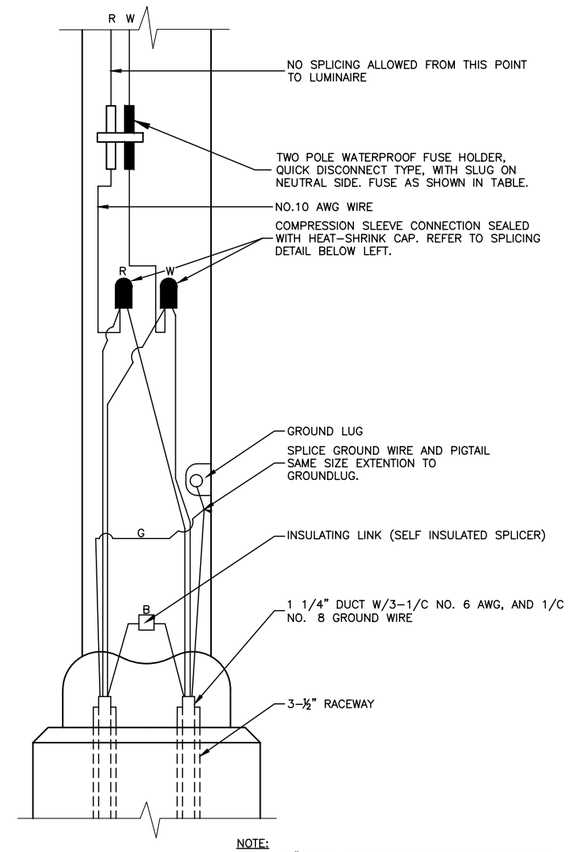
NOTE :
NUMBER OF CABLES IN SPLICE MAY VARY.

SPLICING ELECTRIC CABLES BASIC MATERIALS AND METHODS

IMPORTANT NOTE:
TRANSFORMER BASE AND LIGHTPOLE TO BE LEVELED AS ONE UNIT. USING LEVELING SHIMS IF REQUIRED.



BREAKAWAY TRANSFORMER BASE DETAIL



NOTE:
ALLOW 36" LOOP OF CABLES TO INSURE SUFFICIENT SLACK FOR WITHDRAWAL OF THE CONNECTORS OUTSIDE OF THE POLE HANDHOLE.

POLE HANDHOLE WIRING DIAGRAM

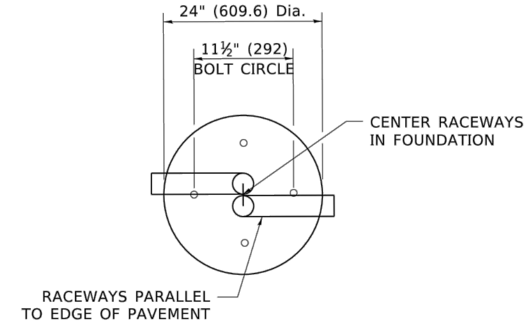
(TYPICAL FOR SINGLE LUMINAIRE INSTALLATION)
(RED PHASE SHOWN)

FILE NAME = 18R0939_02-LGHT-DTLS-01 - P01	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS STREET LIGHTING DETAILS			
		CHECKED — MAW	REVISED —					
	PLOT SCALE =	DRAWN — RG	REVISED —					
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —		SCALE: NONE	SHEET NO. 47 OF 67 SHEETS	STA.	TO STA.

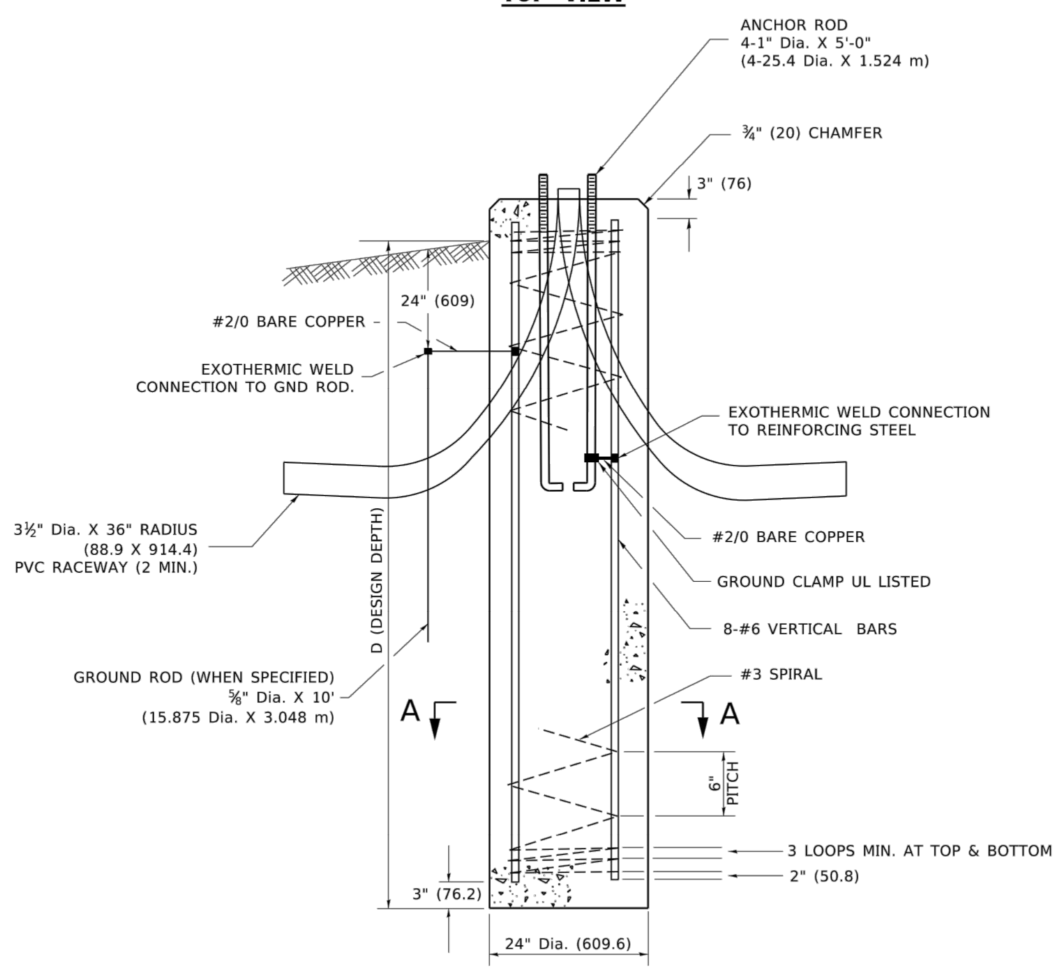
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	47
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

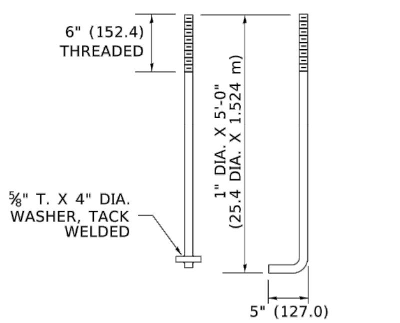
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND ∅ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND ∅ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND ∅ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



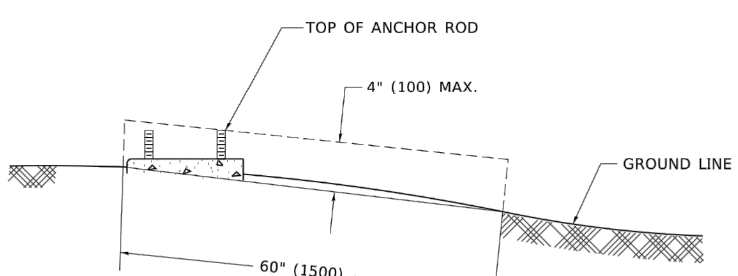
TOP VIEW



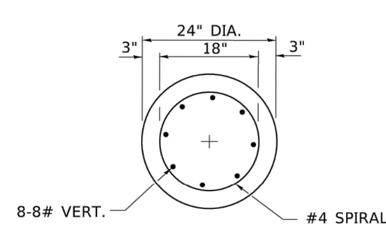
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A–A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
9. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
10. ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
11. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
12. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
13 THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

MODEL: Default
FILE NAME: pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\DistStd\22x34\CADData\CADsheets\be300.dgn

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

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

F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO.
BE-300 | CONTRACT NO.
ILLINOIS | FED. AID PROJECT

FILE NAME = 18R0939_02-LGHT-DTLS-01 - P02

USER NAME =	DESIGNED — SDK	REVISED —
	CHECKED — MAW	REVISED —
PLOT SCALE =	DRAWN — RG	REVISED —
PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

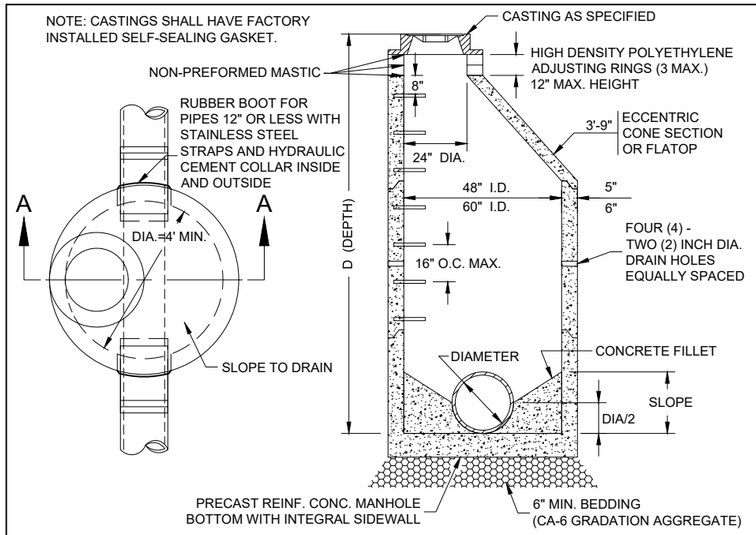
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
STREET LIGHTING DETAILS

SCALE: NONE | SHEET NO. 48 OF 67 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	48

CONTRACT NO. 61J12
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)



PLAN SECTION A-A

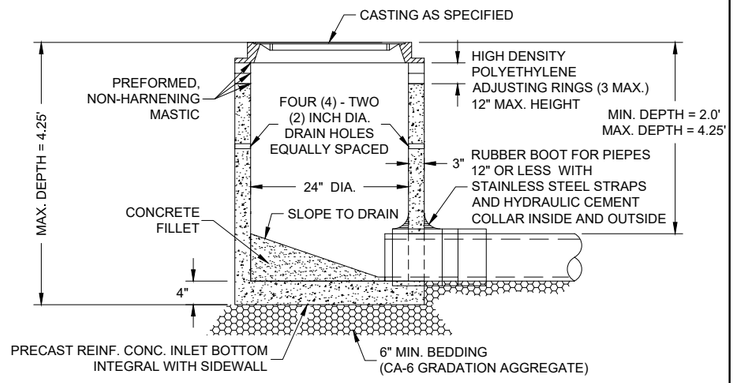
GENERAL NOTES:

1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTIONS. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
2. PROVIDE GRANULAR BACKFILL AROUND MANHOLE TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FOR COARSE AGGREGATE (CA-6 GRADATION.)
3. APPLY A CONTINUOUS LAYER OF NON-HARDENING PREFORMED BITUMINOUS MASTIC MATERIAL TO EACH JOINT BELOW THE BOTTOM OF CONE OR FLATTOP TO PREVENT INFLOW.
4. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF THREE ADJUSTING RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. EACH RING AND THE FRAME SHALL BE SET IN A BED OF NON-PREFORMED MASTIC.
5. WITHIN NON-PAVED AREAS MORTAR SHALL ONLY BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME ON THE EXTERIOR OF THE STRUCTURE. MORTAR IS NOT PERMITTED ON THE INSIDE OF THE RINGS AND/OR FRAME.
6. ONLY PLASTIC POLYMER STEPS WITH STEEL CORE SHALL BE USED.
7. WHEN MANHOLE DEPTH IS OVER 12 FEET, THE THICKNESS OF THE PRECAST, REINFORCED CONCRETE BASE SHALL BE A MINIMUM OF 10 INCHES. WHEN MANHOLE DEPTH IS LESS THAN 12 FEET, THE THICKNESS SHALL BE A MINIMUM OF 8 INCHES.
8. DRESS UP INTERIOR JOINTS OF PRECAST MANHOLE AND OPENINGS AROUND PIPES WITH HYDRAULIC CEMENT.
9. IN PAVED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
10. IN GRASSED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.
11. CHIMNEY SEALS SHALL BE REQUIRED UNLESS THE MANHOLE IS ADJUSTED TO FINAL GRADE IN ACCORDANCE WITH VILLAGE DETAIL STORM 7 - CASTING ADJUSTMENTS FOR STRUCTURES IN PAVED AREAS.

REV.:	REV.:
REV.:	REV.:
DRAWN BY: REL	DATE: 2-9-2021

MANHOLE TYPE A

VILLAGE OF ITASCA
STORM 1



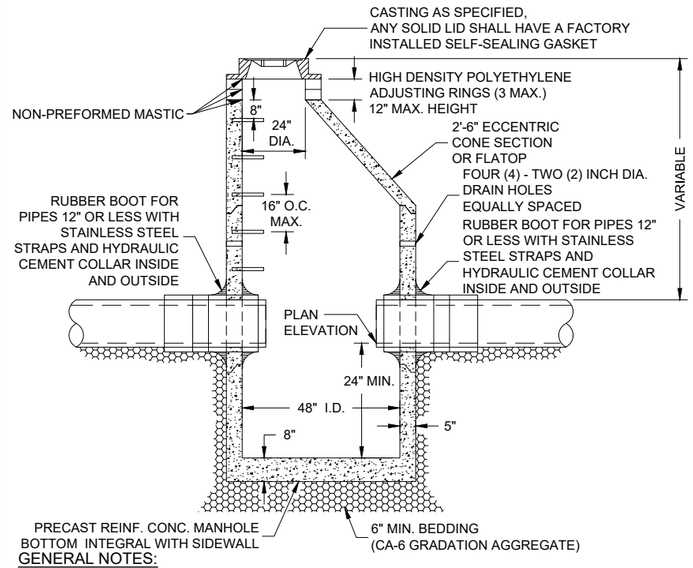
GENERAL NOTES:

1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTION. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
2. PROVIDE GRANULAR BACKFILL AROUND INLET TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FOR COARSE AGGREGATE (CA-6 GRADATION.)
3. WHEN THE FRAME DOES NO MEET PROPOSED ELEVATION, A MAXIMUM OF THREE HIGH-DENSITY POLYETHYLENE ADJUSTING RINGS SHALL BE USED FOR FINAL ADJUSTMENT TO A MAXIMUM HEIGHT OF 12 INCHES. THE RING(S) AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC.
4. MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME.
5. IN PAVED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
6. IN GRASSED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.
7. IF AN IDOT TYPE 8 GRATE CASTING IS CALLED OUT, NO MASTIC SHALL BE ALLOWED BETWEEN THE FRAME AND THE TOP RING OR STRUCTURE. A MINIMUM OF ONE HIGH DENSITY POLYETHYLENE RING 1/4" THICKNESS SHALL BE PLACED BETWEEN THE FRAME AND THE TOP RING OR STRUCTURE. ALL EXCESS MATERIAL EXTENDING BEYOND THE EDGE OF THE GRATE SHALL BE TRIMMED FLUSH.
8. PIPE CONNECTION TO NEW AND EXISTING MANHOLES THROUGHT OPENINGS (CAST OR CORE-DRILLED) SHALL BE PROVIDED WITH A FLEXIBLE RUBBER WATERTIGHT CONNECTOR CONFROMING TO ASTM C-923 (STANDARD SPECIFICATIONS FOR RESILIENT CONNECTIONS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPES FOR PIPES.

REV.:	REV.:
REV.:	REV.:
DRAWN BY: REL	DATE: 2-9-2021

INLET TYPE A

VILLAGE OF ITASCA
STORM 2



GENERAL NOTES:

1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTIONS. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
2. PROVIDE GRANULAR BACKFILL AROUND CATCH BASIN TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FOR COARSE AGGREGATE (CA-6 GRADATION.)
3. APPLY A CONTINUOUS LAYER OF NON-HARDENING PREFORMED BITUMINOUS MASTIC MATERIAL TO EACH JOINT BELOW THE BOTTOM OF CONE OR FLATTOP TO PREVENT INFLOW.
4. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MINIMUM OF TWO HIGH-DENSITY POLYETHYLENE ADJUSTING RINGS SHALL BE USED FOR FINAL ADJUSTMENT. A MAXIMUM OF THREE ADJUSTING RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. EACH RING AND THE FRAME SHALL BE SET IN A BED OF NON-PREFORMED MASTIC.
5. WITHIN NON-PAVED AREAS MORTAR SHALL ONLY BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME ON THE EXTERIOR OF THE STRUCTURE. MORTAR IS NOT PERMITTED ON THE INSIDE OF THE RINGS AND/OR FRAME.
6. ONLY PLASTIC POLYMER STEPS WITH STEEL CORE SHALL BE USED.
7. WHEN CATCH BASIN DEPTH IS OVER 12 FEET, THE THICKNESS OF THE PRECAST, REINFORCED CONCRETE BASE SHALL BE A MINIMUM OF 10 INCHES. WHEN CATCH BASIN DEPTH IS LESS THAN 12 FEET, THE THICKNESS SHALL BE A MINIMUM OF 8 INCHES.
8. PIPE CONNECTION TO NEW AND EXISTING MANHOLES THROUGHT OPENINGS (CAST OR CORE-DRILLED) SHALL BE PROVIDED WITH A FLEXIBLE RUBBER WATERTIGHT CONNECTOR CONFROMING TO ASTM C-923 (STANDARD SPECIFICATIONS FOR RESILIENT CONNECTIONS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPES FOR PIPES 12" OR LESS).
9. IN PAVED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
10. IN GRASSED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.

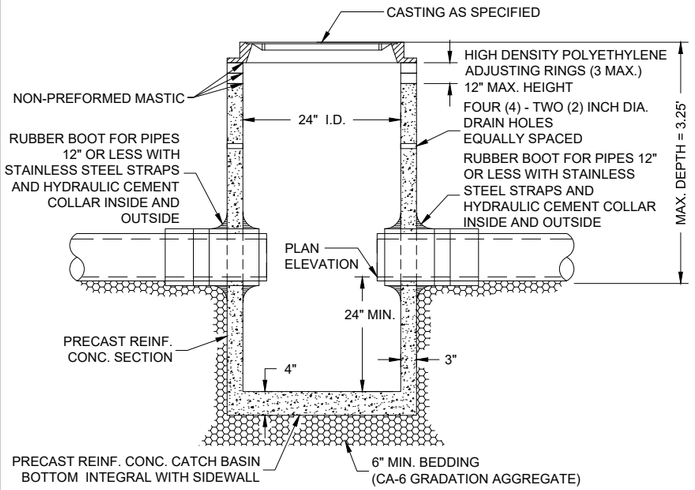
REV.:	REV.:
REV.:	REV.:
DRAWN BY: REL	DATE: 2-9-2021

CATCH BASIN TYPE A

VILLAGE OF ITASCA
STORM 3

FILE NAME = 18R0939_02-DTLS-01 - P01	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS CONSTRUCTION DETAILS
		CHECKED — MAW	REVISED —		
	PLOT SCALE =	DRAWN — RG	REVISED —		
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —		SCALE: NONE / SHEET NO. 49 OF 67 SHEETS / STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	49
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



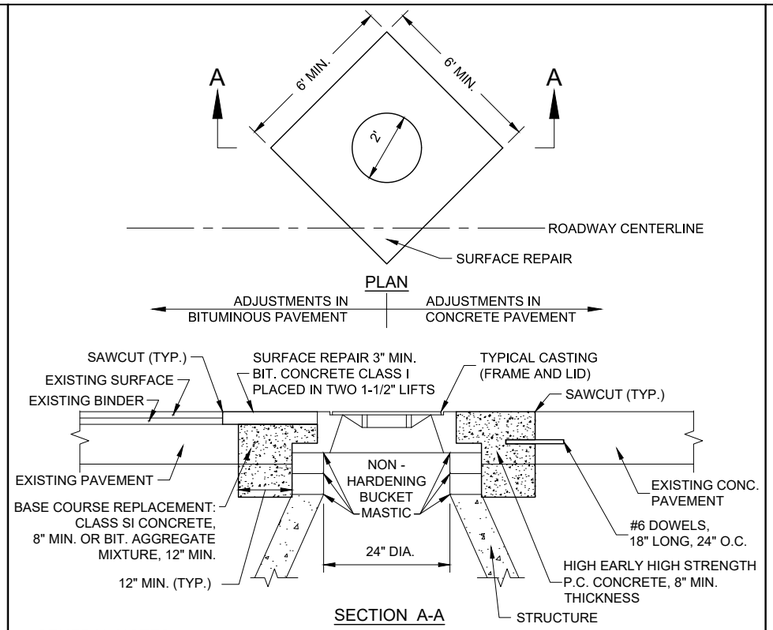
GENERAL NOTES:

1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTIONS. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
2. PROVIDE GRANULAR BACKFILL AROUND CATCH BASIN TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FOR COARSE AGGREGATE (CA-6 GRADATION.)
3. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF THREE HIGH-DENSITY POLYETHYLENE ADJUSTING RINGS SHALL BE USED FOR FINAL ADJUSTMENT TO A MAXIMUM HEIGHT OF 12 INCHES. EACH RING AND THE FRAME SHALL BE SET IN A BED OF NON-PREFORMED MASTIC.
4. WITHIN NON-PAVED AREAS, MORTAR SHALL ONLY BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME ON THE EXTERIOR OF THE STRUCTURE. MORTAR IS NOT PERMITTED ON THE INSIDE OF THE RINGS AND/OR FRAME.
5. PIPE CONNECTION TO NEW AND EXISTING MANHOLES THROUGHT OPENINGS (CAST OR CORE-DRILLED) SHALL BE PROVIDED WITH A FLEXIBLE RUBBER WATERTIGHT CONNECTOR CONFROMING TO ASTM C-923 (STANDARD SPECIFICATIONS FOR RESILIENT CONNECTIONS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPES.
6. IN PAVED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
7. IN GRASSED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.

REV.:	REV.:
REV.:	REV.:
DRAWN BY: REL	DATE: 2-9-2021

CATCH BASIN TYPE C

VILLAGE OF ITASCA
STORM 4



SECTION A-A

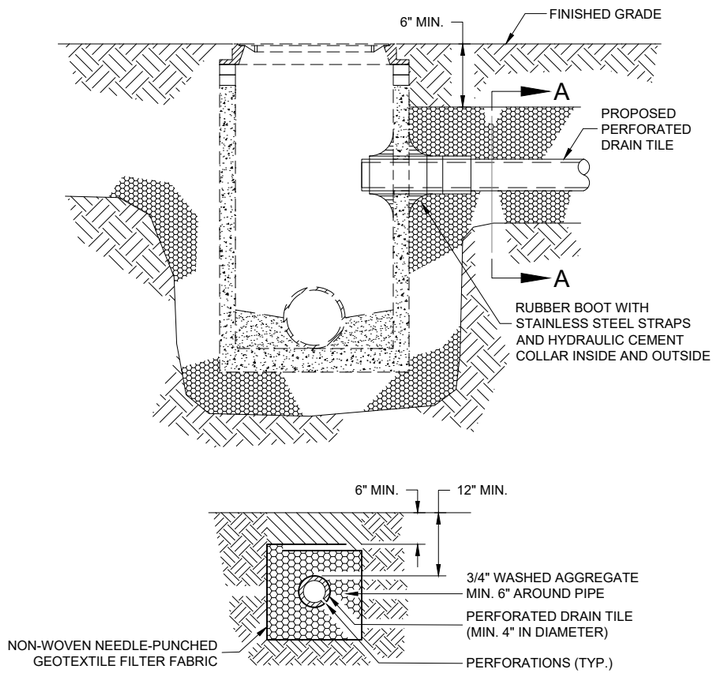
GENERAL NOTES:

1. PROVIDE SELECT GRANULAR BACKFILL, CA-6 GRADATION AROUND MANHOLE TO SUBGRADE ELEVATION.
2. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF THREE HIGH-DENSITY POLYETHYLENE ADJUSTING RINGS SHALL BE USED FOR FINAL ADJUSTMENT TO A MAXIMUM HEIGHT OF 12 INCHES. THE RING(S) AND FRAME SHALL BE SET ON A BED OF NON-HARDENING BUCKET MASTIC.
3. PRECAST ADJUSTING RINGS SHALL BE REINFORCED WITH NO. 3 GAUGE WIRE AND SHALL HAVE A MINIMUM THICKNESS OF TWO (2) INCHES.
4. WHEN ADJUSTMENTS ARE LOCATED IN TRAVEL LANES, THEY SHALL BE PROTECTED BY A BARRICADE WITH TWO (2) FLASHING LIGHTS, TWO (2) BARRICADES EACH WITH A SINGLE FLASHING LIGHT OR COVERED BY A ONE (1) INCH STEEL PLATE PROVIDED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SURFACE RESTORATION IS COMPLETE.
5. WHEN ADJUSTMENTS TEMPORARILY RAISE A CASTING ABOVE THE ELEVATION OF THE PAVEMENT SURFACE, IN AREAS SUBJECTED TO VEHICULAR TRAFFIC, A BITUMINOUS RAMP SHALL BE TRANSITIONED A DISTANCE OF ONE (1) FOOT HORIZONTAL FOR EACH INCH OF VERTICLE DISTANCE ABOVE THE EXISTING PAVEMENT. SUCH RAMPS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE COMPLETION OF THE SURFACE RESTORATION.
6. FOR BOTH CONCRETE AND ASPHALT ROADS, THE BASE COURSE REPLACEMENT (CONCRETE COLLAR) SHALL BE EXTENDED DOWN TO THE TOP OF THE CONE SECTION.

REV.:	REV.:
REV.:	REV.:
DRAWN BY: REL	DATE: 3-14-2018

CASTING ADJUSTMENTS FOR STRUCTURES IN PAVED AREAS

VILLAGE OF ITASCA
STORM 7



SECTION A-A

GENERAL NOTES:

1. BOTH THE TRENCH AND DRAIN TILE SHALL BE WRAPPED WITH NON-WOVEN NEEDLE-PUNCHED GEOTEXTILE FILTER FABRIC.
2. WASHED AGGREGATE SHALL BE PLACED AROUND THE DRAIN TILE.
3. HOLE SHALL BE CORED DRILLED INTO STRUCTURE.
4. PIPE CONNECTION TO NEW AND EXISTING MANHOLES THROUGHT OPENINGS (CAST OR CORE-DRILLED) SHALL BE PROVIDED WITH A FLEXIBLE RUBBER WATERTIGHT CONNECTOR CONFROMING TO ASTM C-923 (STANDARD SPECIFICATIONS FOR RESILIENT CONNECTIONS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPES).

REV.:	REV.:
REV.:	REV.:
DRAWN BY: REL	DATE: 2-9-2021

SUBSURFACE DRAIN TILE CONNECTION

VILLAGE OF ITASCA
STORM 9

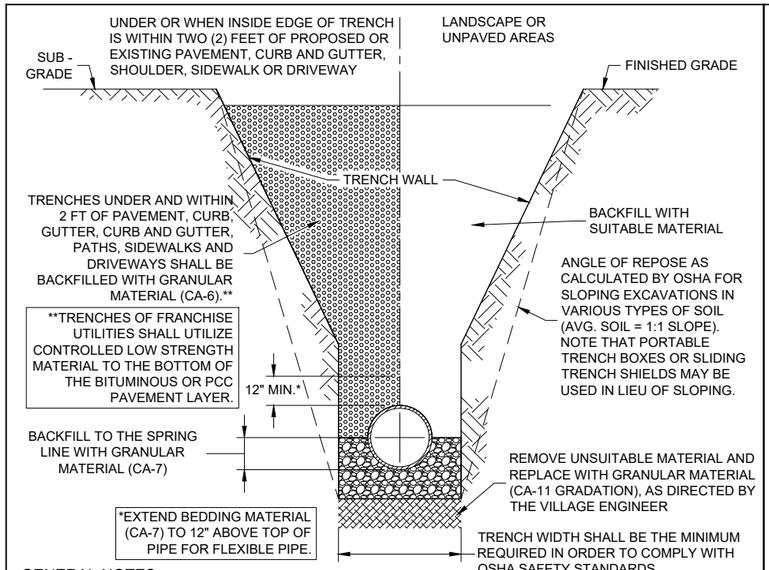
FILE NAME = 18R0939_02-DTLS-01 - P02	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
CONSTRUCTION DETAILS

SCALE: NONE | SHEET NO. 50 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	50
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



GENERAL NOTES:

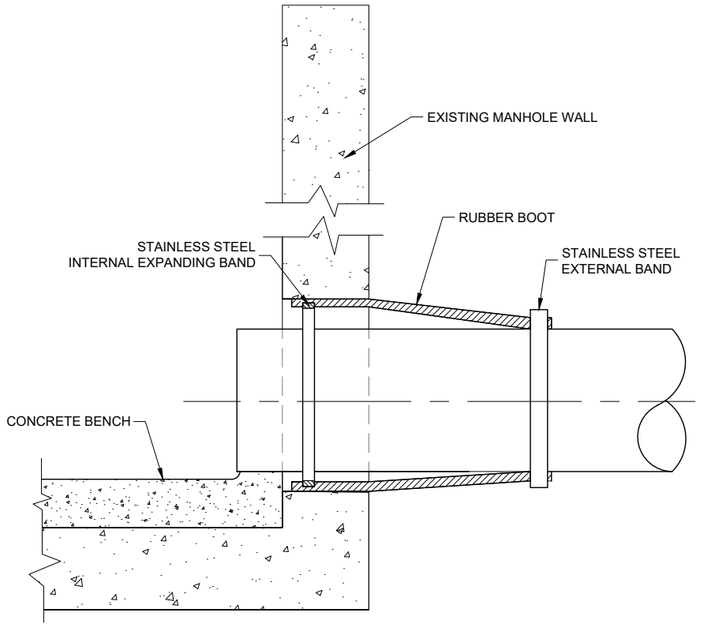
1. CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A SAFE MANNER AT ALL TIMES AND SHALL COMPLY WITH ALL APPLICABLE GOVERNING REGULATIONS, INCLUDING BUT NOT LIMITED TO OSHA SAFETY STANDARDS.
2. ALL BACKFILL MATERIAL UP TO A HEIGHT OF 12 INCHES ABOVE THE PIPE SHALL BE CAREFULLY DEPOSITED IN UNIFORM LAYERS NOT EXCEEDING 8 INCHES THICK (LOOSE MEASURE). THE MATERIAL IN EACH LAYER SHALL BE FIRMLY COMPACTED BY RAMMING OR TAMPING WITH TOOLS APPROVED BY THE VILLAGE ENGINEER IN SUCH A MANNER AS NOT TO DISTURB OR INJURE THE PIPE. THE BACKFILLING ABOVE THIS HEIGHT SHALL BE DONE AS NOTED BELOW.
3. GRANULAR BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED AS SPECIFIED IN NOTE 2, ABOVE. THE USE OF JETTING SHALL NOT BE ALLOWED UNLESS AUTHORIZED IN WRITING BY THE VILLAGE ENGINEER. IT SHALL BE THE DESIGN ENGINEER OR CONTRACTOR'S RESPONSIBILITY TO PROVIDE APPROPRIATE JUSTIFICATION AND DOCUMENTATION (SOIL INVESTIGATION REPORTS. ETC.) TO THE VILLAGE ENGINEER WITH THE REQUEST FOR APPROVAL OF JETTING.
4. BACKFILL MATERIAL CONSISTING OF SUITABLE EXCAVATED MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES THICK (LOOSE MEASURE) AND EACH LAYER SHALL BE COMPACTED BY RAMMING OR TAMPING TO ACHIEVE THE REQUIRED COMPACTION. JETTING OF THIS MATERIAL MAY BE PERMITTED WHEN AUTHORIZED IN WRITING BY THE VILLAGE ENGINEER. IT SHALL BE THE DESIGN ENGINEER OR THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT APPROPRIATE JUSTIFICATION AND DOCUMENTATION (SOILS INVESTIGATION REPORTS, ETC.) TO THE VILLAGE ENGINEER WITH THE REQUEST FOR APPROVAL OF JETTING.
5. GRANULAR MATERIAL FOR BACKFILL AND BEDDING SHALL BE GRAVEL, CRUSHED GRAVEL OR STONE MEETING THE REQUIREMENTS OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FOR COURSE AGGREGATE, OF THE GRADATION SPECIFIED. NO RECYCLED CONCRETE SHALL BE ALLOWED.
6. MINIMUM COVER OVER THE TOP OF PIPE SHALL BE SIX (6) INCHES BELOW FINISHED SUBGRADE IN PAVED AREAS AND TWELVE (12) INCHES BELOW FINISHED GRADE IN LANDSCAPE AREAS.
7. THE BEDDING THICKNESS SHALL BE EQUAL TO ONE-QUARTER (1/4) OF THE OUTSIDE DIAMETER OF THE PIPE BUT NOT LESS THAN SIX (6) INCHES.

REV.:	REV.:
REV.:	REV.:
DRAWN BY: REL	DATE: 2-1-2021

STORM SEWER TRENCH SECTION

VILLAGE OF ITASCA

STORM 12



GENERAL NOTES:

1. CORE-DRILL CIRCULAR OPENING IN MANHOLE WALL OF DIAMETER TO FIT THE REQUIRED BOOT SIZE.
2. A FLEXIBLE RUBBER BOOT SHALL BE USED FOR WATERTIGHT CONNECTION.
3. CUT, SHAPE AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW FROM NEW STORM SEWER CONNECTION.
4. CLEAN EXISTING MANHOLE OF ANY DIRT, CONCRETE OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.

REV.:	REV.:
REV.:	REV.:
DRAWN BY: REL	DATE: 2-9-2021

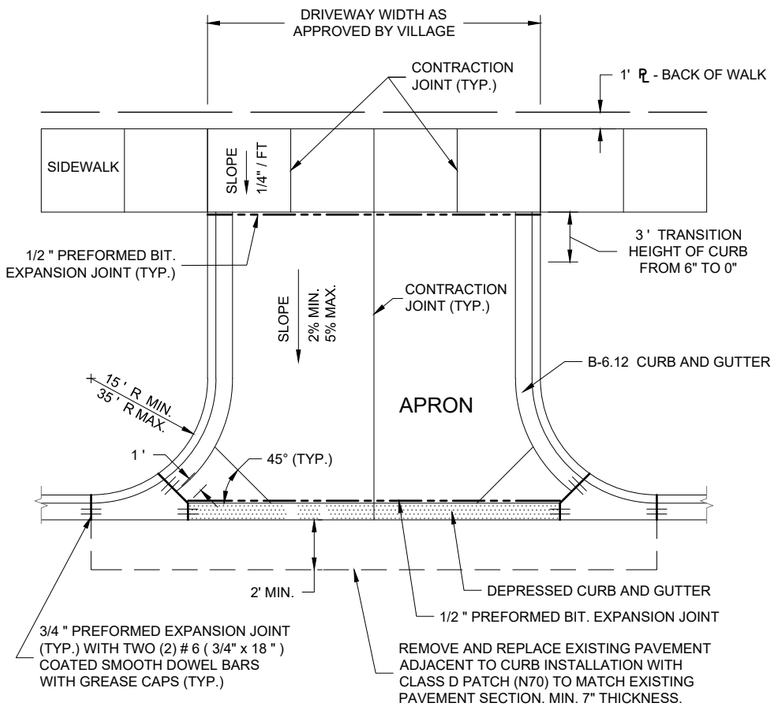
CORING BOOT

VILLAGE OF ITASCA

STORM 13

FILE NAME = 18R0939_02-DTLS-01 - P03	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS CONSTRUCTION DETAILS
		CHECKED — MAW	REVISED —		
	PLOT SCALE =	DRAWN — RG	REVISED —		
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —		SCALE: NONE | SHEET NO. 51 OF 67 SHEETS | STA. TO STA.

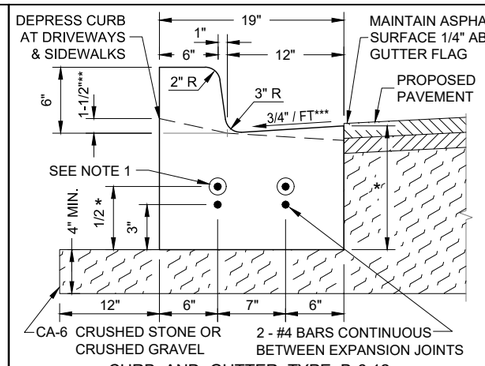
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	51
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



GENERAL NOTES:

1. APRONS WIDTH AS APPROVED BY VILLAGE, MEASURED AT THE RIGHT-OF-WAY LINE.
2. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
3. THICKNESS FOR APRONS:
   6" REINFORCED PORTLAND CEMENT CONCRETE (6X6x10x10 W W F)
   ON 10" COMPACTED AGGREGATE BASE OR
   1-1/2" HMA SURFACE COURSE AND 2-1/4" HMA BINDER COURSE WITH
   14" AGGREGATE BASE COURSE.
4. SIDEWALK SHALL EXTEND THROUGH THE DRIVEWAY. SIDEWALK THROUGH DRIVEWAY TO BE 6" THICK WITH (6x6x10x10 W W F).
5. APRONS SHALL HAVE A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 5%.
6. PATCHES ARE NOT ALLOWED IN NEW APRONS.
7. PCC SHALL BE CLASS SI (SIX BAG MIX) WITH AIR ENTRAINMENT OF 5%-8% AND 28 DAY COMPRESSIVES STRENGTH OF 3,500 PSI (MIN.)

REV.:	REV.:		
REV.:	REV.:	COMMERCIAL / INDUSTRIAL DRIVEWAY APRON - HEAVY	VILLAGE OF ITASCA
DRAWN BY: REL	DATE: 2-9-2021		PAVEMENT 8

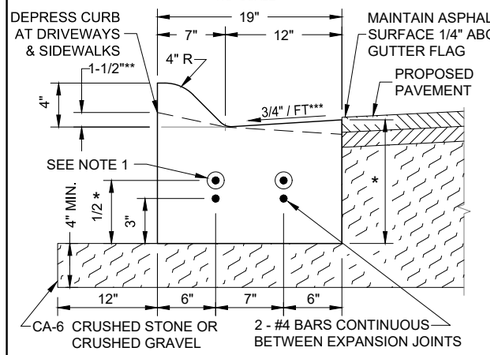


CURB AND GUTTER TYPE B-6.12
NO SCALE

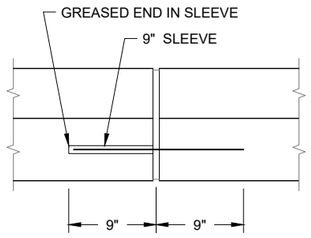
* VARIES TO MATCH PAVEMENT THICKNESS (8" MIN.)

** DEPRESSED CURB AT SIDEWALKS SHALL BE 1/2" MAX. FOR ADA COMPLIANCE

*** GUTTER SLOPE SHALL BE 5% MAX. AT ALL SIDEWALK RAMPS FOR ADA COMPLIANCE



CURB AND GUTTER TYPE M-4.12
NO SCALE



SLEEVE DETAIL
NO SCALE

GENERAL NOTES:

1. EXPANSION JOINTS W / 3/4" PREFORMED EXPANSION JOINT MATERIAL AND TWO (2) #5 SMOOTH DOWEL BARS WITH GREASE CAPS SHALL BE PLACED:
   a. AT ENDS OF INTERSECTION RADII, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS
   b. 5 FT. ON EACH SIDE OF DRAINAGE STRUCTURES
   c. MAXIMUM OF 45 FOOT INTERVALS
   d. WHERE NEW CURB MEETS EXISTING CURB, THE EXISTING CURB SHALL BE DRILLED AND TWO (2) #5 SMOOTH DOWEL BARS GROUTED IN PLACE W / THE GREASE CAP PLACED ON THE SIDE OF THE NEW CURB AND GUTTER WITH 1" EXPANSION JOINT.
2. TOOL OR SAW CUT CONTRACTION JOINTS AT 15 FOOT INTERVALS, 1-1/2" DEEP.
3. SAW CUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED W / JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.

REV.:	REV.:		
REV.:	REV.:	CURB AND GUTTER	VILLAGE OF ITASCA
DRAWN BY: REL	DATE: 2-9-2021		PAVEMENT 14

FILE NAME = 18R0939_02-DTLS-01 - P04	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

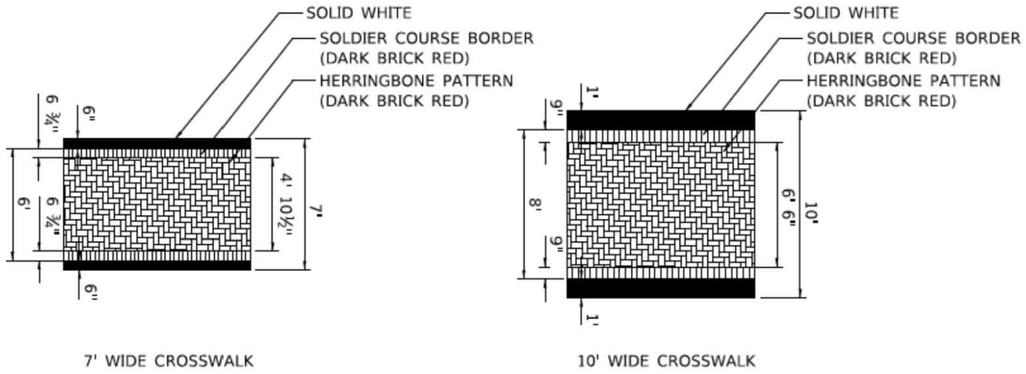
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
CONSTRUCTION DETAILS

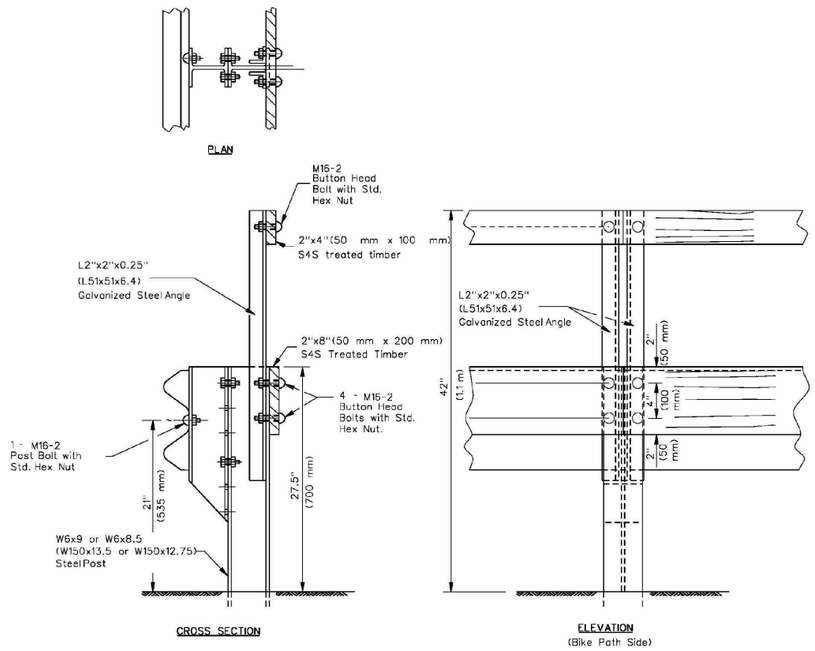
SCALE: NONE | SHEET NO. 52 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	52
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)

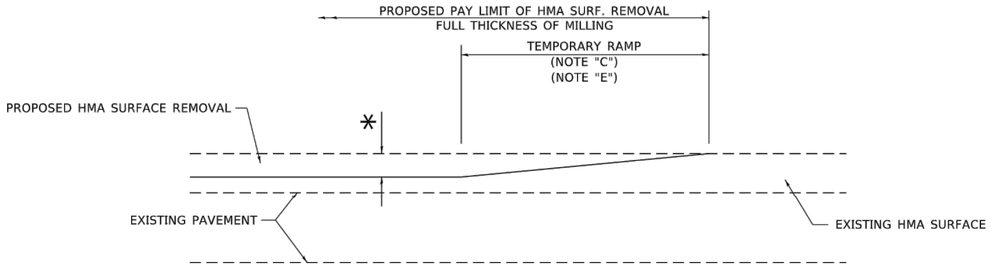


PREFORMED THERMOPLASTIC PAVEMENT MARKING (SPECIAL) DETAIL



BIKE PATH APPROACH GUARDRAIL ADJUSTMENT PAID AS RUB RAIL

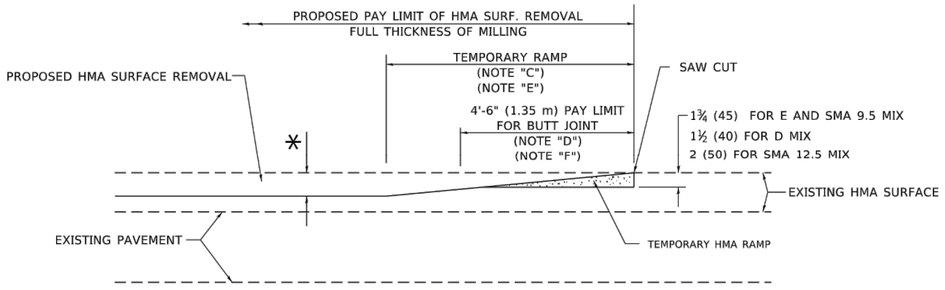
FILE NAME = 18R0939_02-DTLS-01 - P05	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS CONSTRUCTION DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED — MAW	REVISED —					1346 & 2997	19-00066-00-CH	DUPAGE	67	53
	PLOT SCALE =	DRAWN — RG	REVISED —							CONTRACT NO. 61J12		
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —		SCALE: NONE	SHEET NO. 53 OF 67 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

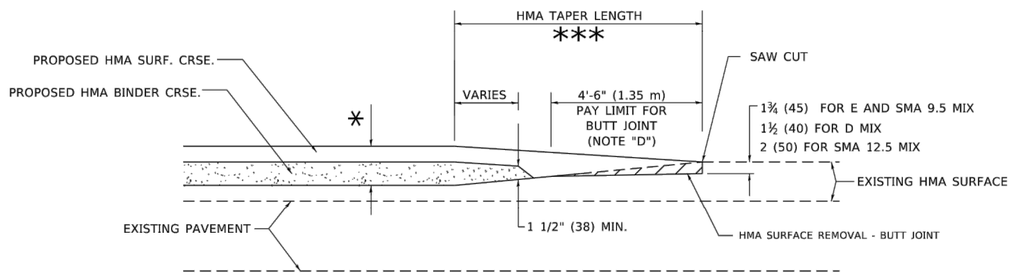


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

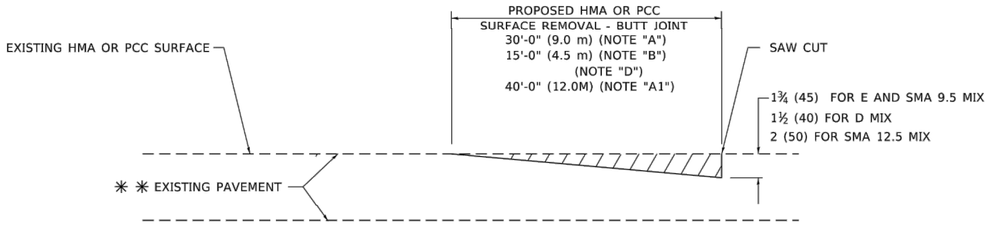
OPTION 2

TYPICAL TEMPORARY RAMP

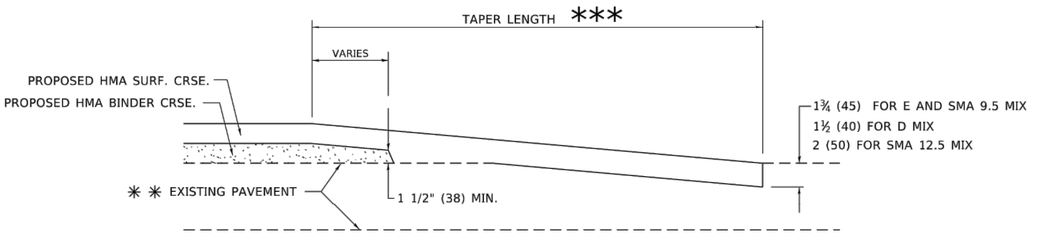


BUTT JOINT AND HMA TAPER

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.

MODEL: Default
FILE NAME: W:\dgnsts\22x34\bd32.dgn

USER NAME = demanchelt	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS
	DRAWN -	REVISED - M. GOMEZ 04-06-01		
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22		

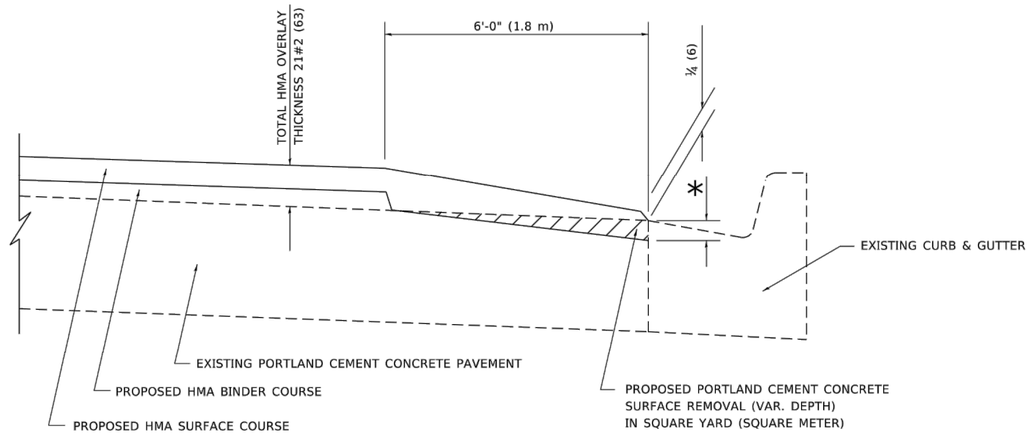
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400–05 BD–32	CONTRACT NO.		
	ILLINOIS | FED. AID PROJECT			

FILE NAME = 18R0939_02-DTLS-IDOT-01 - BD-32	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED — MAW	REVISED —	
	PLOT SCALE =	DRAWN — RG	REVISED —	
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —	

DISTRICT 1 DETAILS

SCALE: | SHEET NO. 54 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	54
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



HMA TAPER AT
EDGE OF PCC PAVEMENT

HMA SURFACE COURSE		HMA BINDER COURSE	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
D	1½ (38)	1 (25)	1¼ (33)
E OR SMA 9.5	1¾ (44)	¾ (19)	1½ (38)

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

MODEL: Default
FILE NAME: W:\default\22x34\bd33.dgn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - E. GOMEZ 12-21-00	
	DRAWN - JIS	REVISED - R. BORO 01-01-07	
PLOT SCALE = 100.0000 ' / in.	CHECKED - A. ABBAS	REVISED - JP CHANG 07-08-16	
PLOT DATE = 2/2/2022	DATE - 09-10-94	REVISED - K. SMITH 02-01-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400–06 BD–33	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

FILE NAME = 18R0939_02-DTLS-IDOT-01 - BD-33

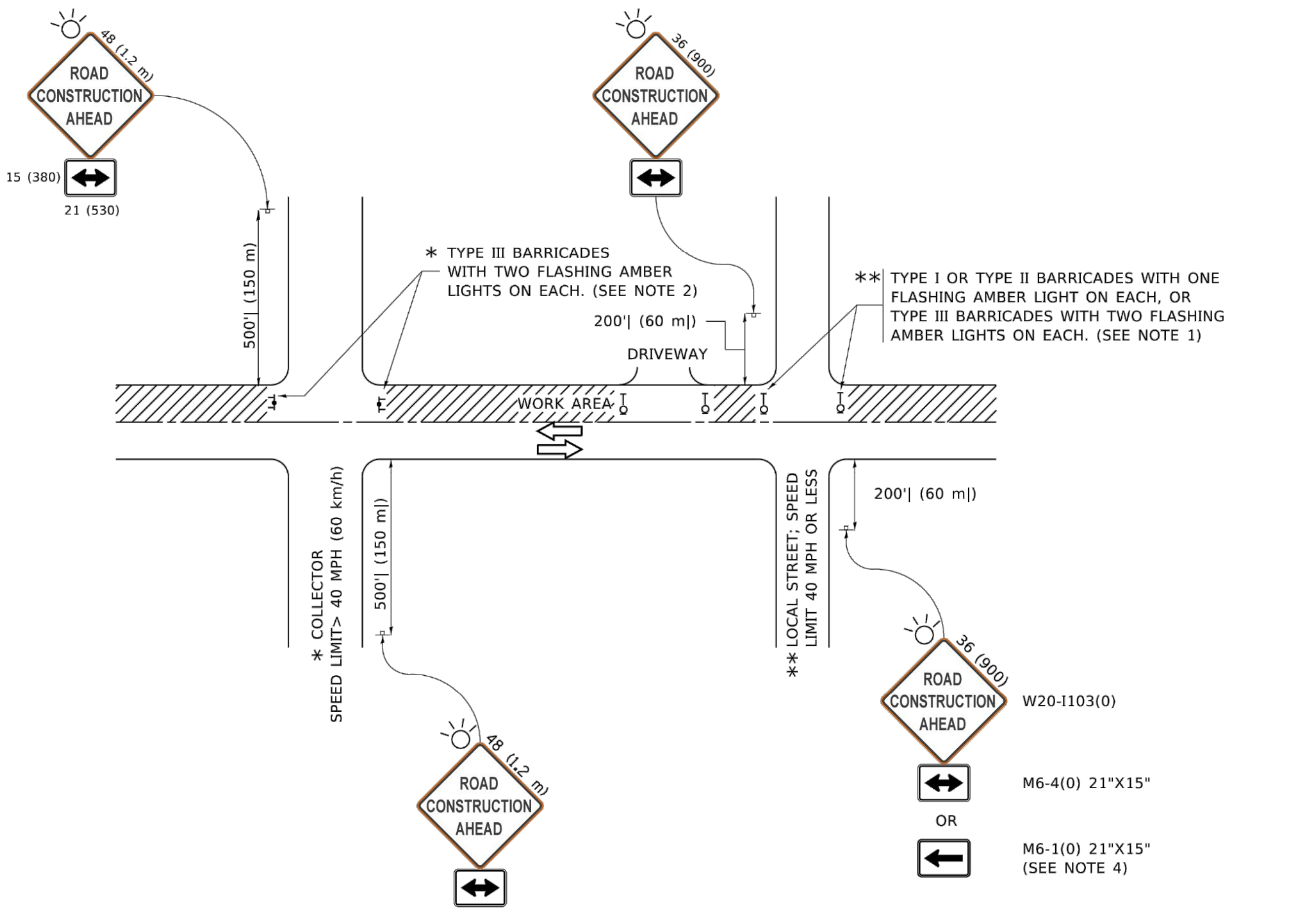
USER NAME =	DESIGNED — SDK	REVISED —
	CHECKED — MAW	REVISED —
PLOT SCALE =	DRAWN — RG	REVISED —
PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 DETAILS

SCALE: | SHEET NO. 55 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	55
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



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.

MODEL: Default
FILE NAME: pw:\\IL084EBDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\Std22x34\CADData\CADsheets\tc10.dgn

USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC–10		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

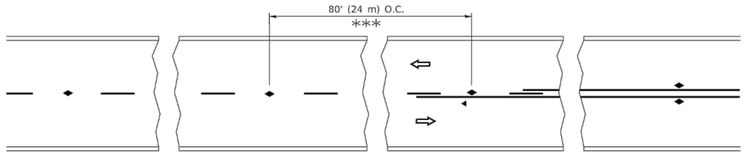
FILE NAME = 18R0939_02-DTLS-IDOT-01 - TC-10

USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED — MAW	REVISED —	
PLOT SCALE =	DRAWN — RG	REVISED —	
PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —	

DISTRICT 1 DETAILS

SCALE: | SHEET NO. 56 OF 67 SHEETS | STA. | TO STA.

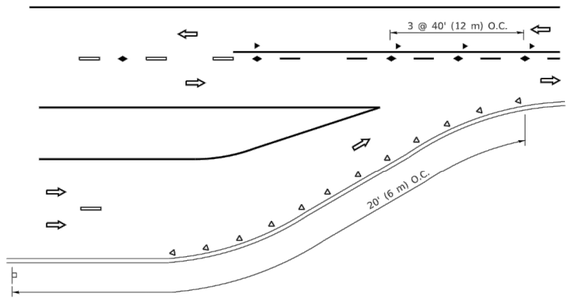
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	56
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



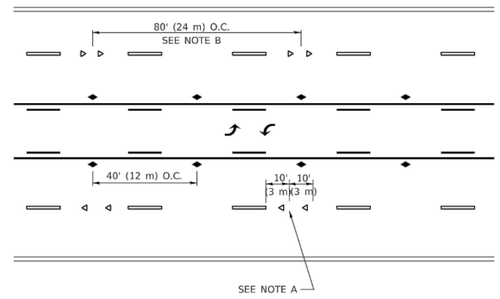
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

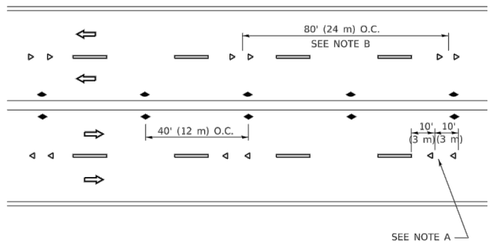
SEE FIGURE 3B-14 MUTCD



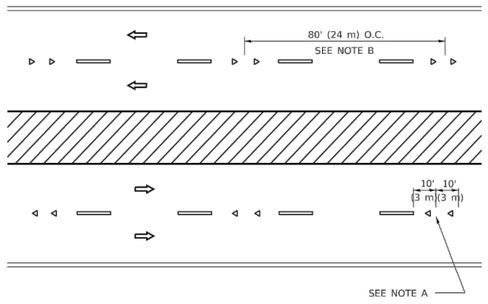
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

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

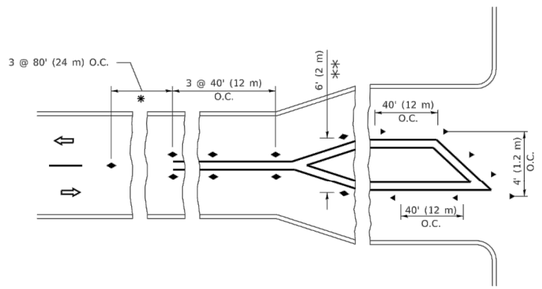
LANE MARKER NOTES

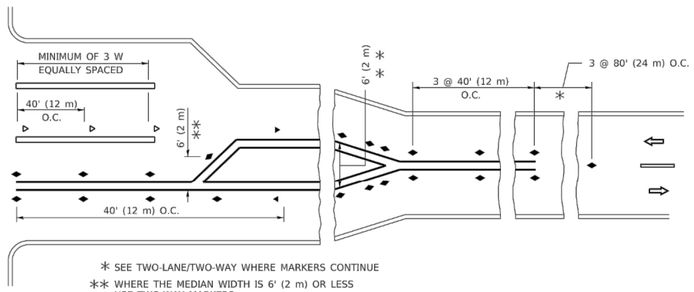
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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.





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

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

TURN LANES

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

MODEL: Default
FILE NAME: pw:\\IL084-EBIDINTEG:illinois.gov-PWIDOTDocuments\IDOT Offices\District 1\Projects\Shields\22x34\CADData\CADsheets\tc11.dgn

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-11	CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

FILE NAME = 18R0939_02-DTLS-IDOT-01 - TC-11

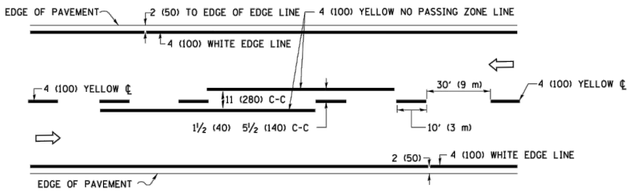
USER NAME =	DESIGNED — SDK	REVISED —	
	CHECKED — MAW	REVISED —	
PLOT SCALE =	DRAWN — RG	REVISED —	
PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

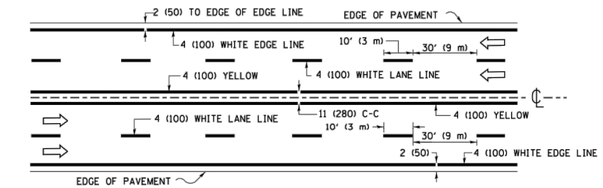
DISTRICT 1 DETAILS

SCALE: | SHEET NO. 57 OF 67 SHEETS | STA. | TO STA.

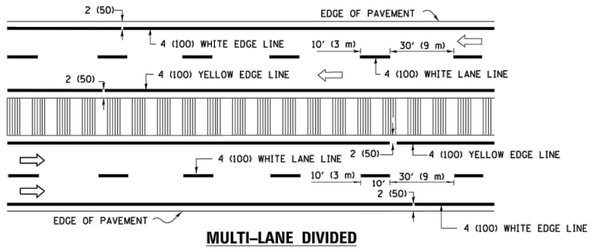
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1348 & 2997	19-00066-00-CH	DUPAGE	67	57
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



2–LANE ROADWAY

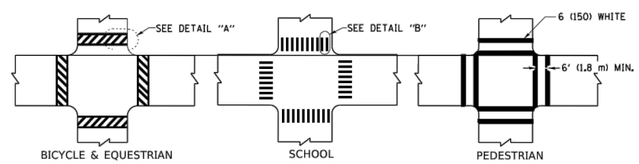


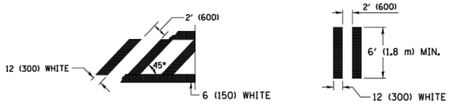
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

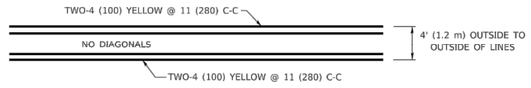




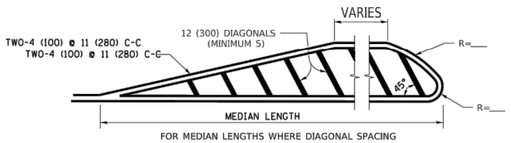
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



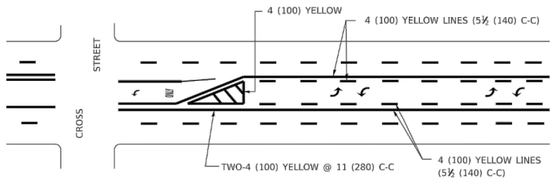
4' (1.2 m) WIDE MEDIANS ONLY



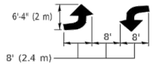
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

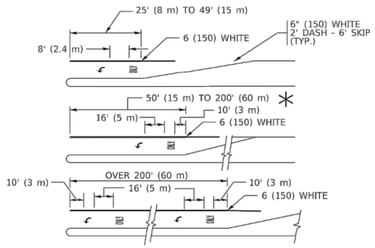


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

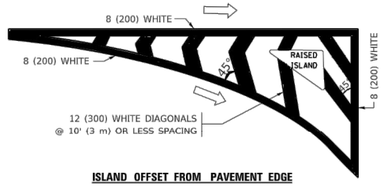


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

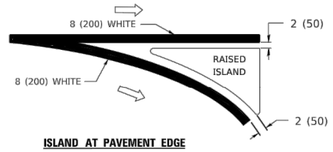
✱ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

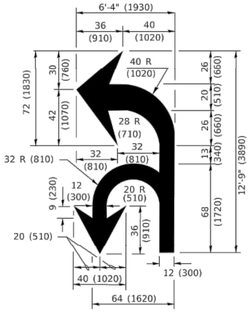


ISLAND OFFSET FROM PAVEMENT EDGE

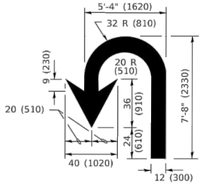


ISLAND AT PAVEMENT EDGE

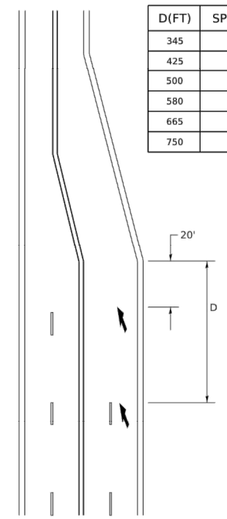
TYPICAL ISLAND MARKING



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 m² EACH "X"=54.0 SQ. FT. (5.0 m²
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.

MODEL: Default
FILE NAME: pw:\\IL084EBIONTEG.illinois.gov:PWIDOTDocuments\IDOT Offices\District 1\Projects\Sheets\st272x34\CADData\CADSheets\c-13.dgn

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC–13	CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

FILE NAME = 18R0939_02-DTLS-IDOT-01 - TC-13

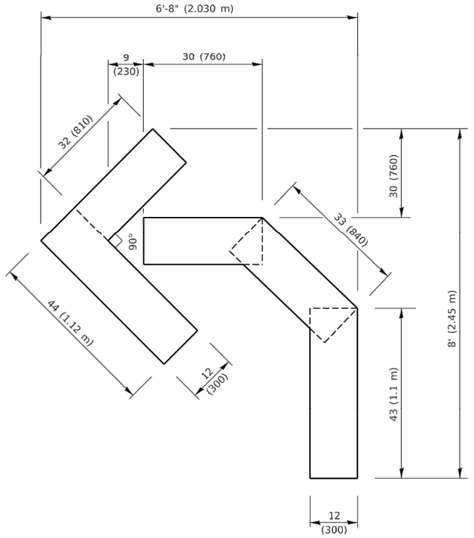
USER NAME =	DESIGNED — SDK	REVISED —	
	CHECKED — MAW	REVISED —	
PLOT SCALE =	DRAWN — RG	REVISED —	
PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 DETAILS

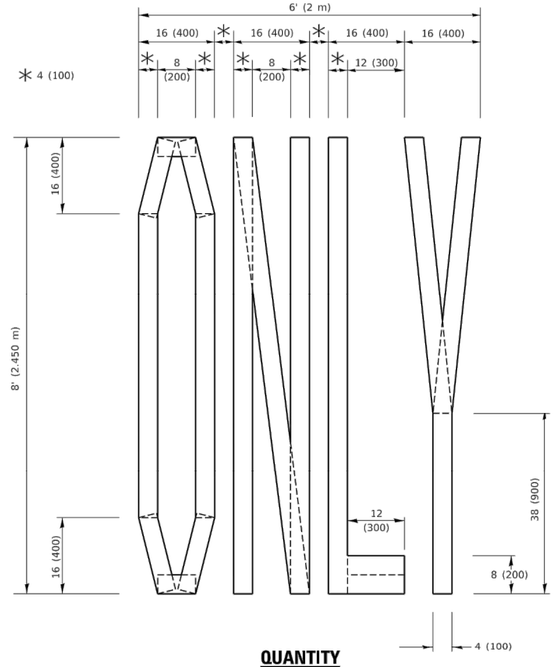
SCALE: | SHEET NO. 58 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	58
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



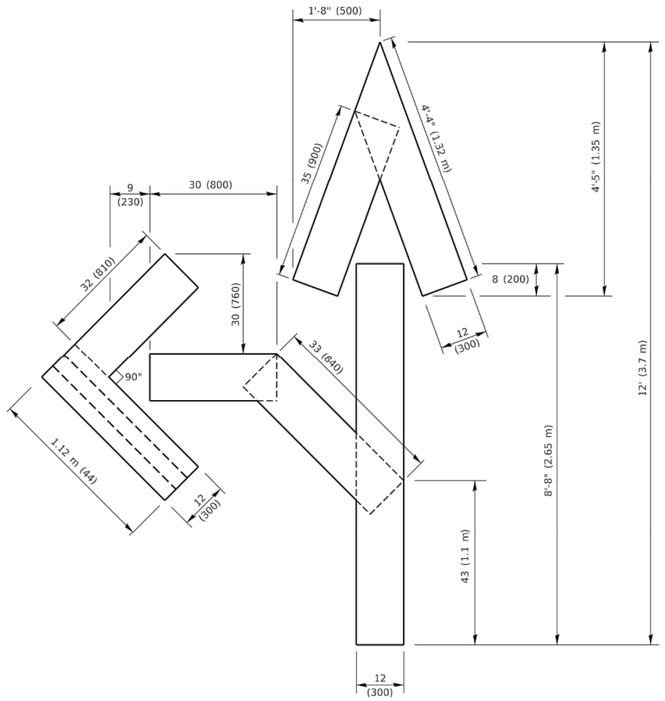
QUANTITY

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)

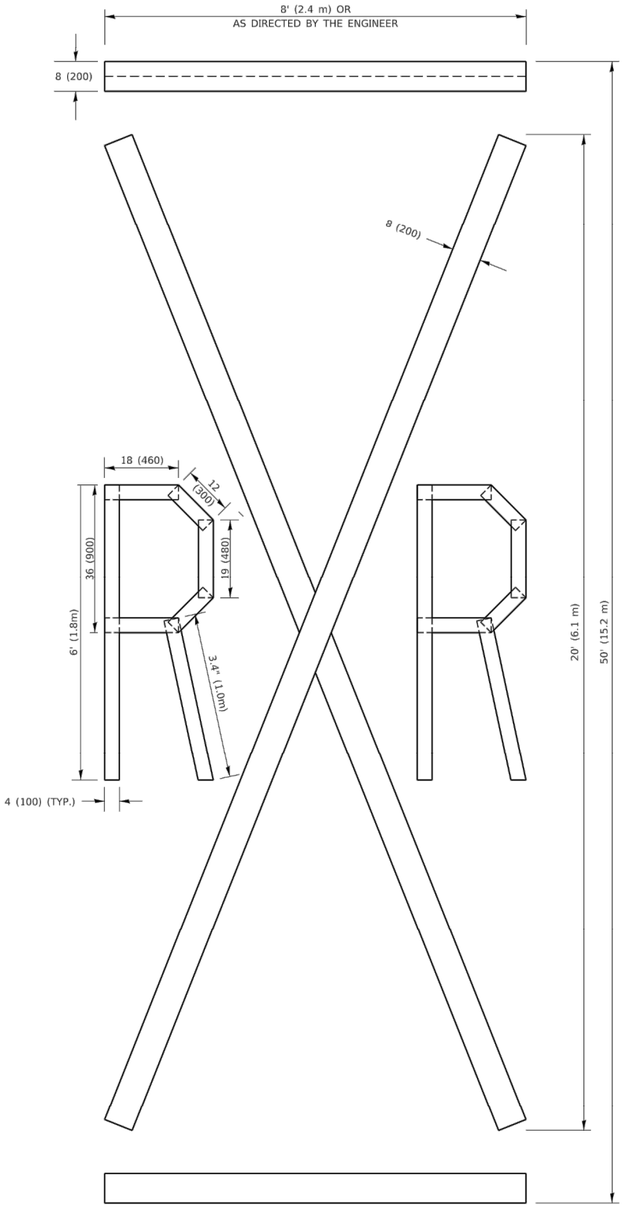


QUANTITY

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.

MODEL: Default
FILE NAME: per:\\LDB4FRBXNTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\DistStd22x34\CADData\CADSheets\tc16.dgn

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/4/2019	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 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC–16	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

FILE NAME = 18R0939_02-DTLS-IDOT-01 - TC-16

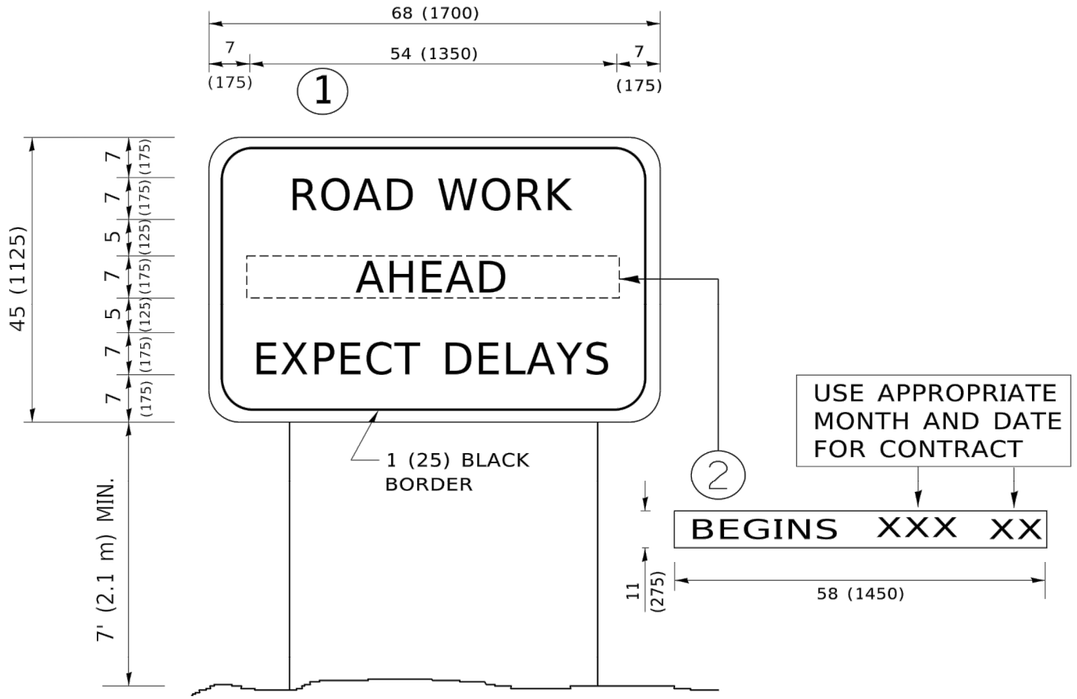
USER NAME =	DESIGNED — SDK	REVISED —	
	CHECKED — MAW	REVISED —	
PLOT SCALE =	DRAWN — RG	REVISED —	
PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 DETAILS

SCALE: | SHEET NO. 59 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	59
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



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.

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.illinois.gov:PWIDOTDocuments\IDOT Offices\District 1\Projects\Sheets\tc22-24\CADData\CADsheets\tc22.dgn

USER NAME = footemj	DESIGNED -	REVISED -	R. MIRS 09-15-97
	DRAWN -	REVISED -	R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-22	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

FILE NAME = 18R0939_02-DTLS-IDOT-01 - TC-22

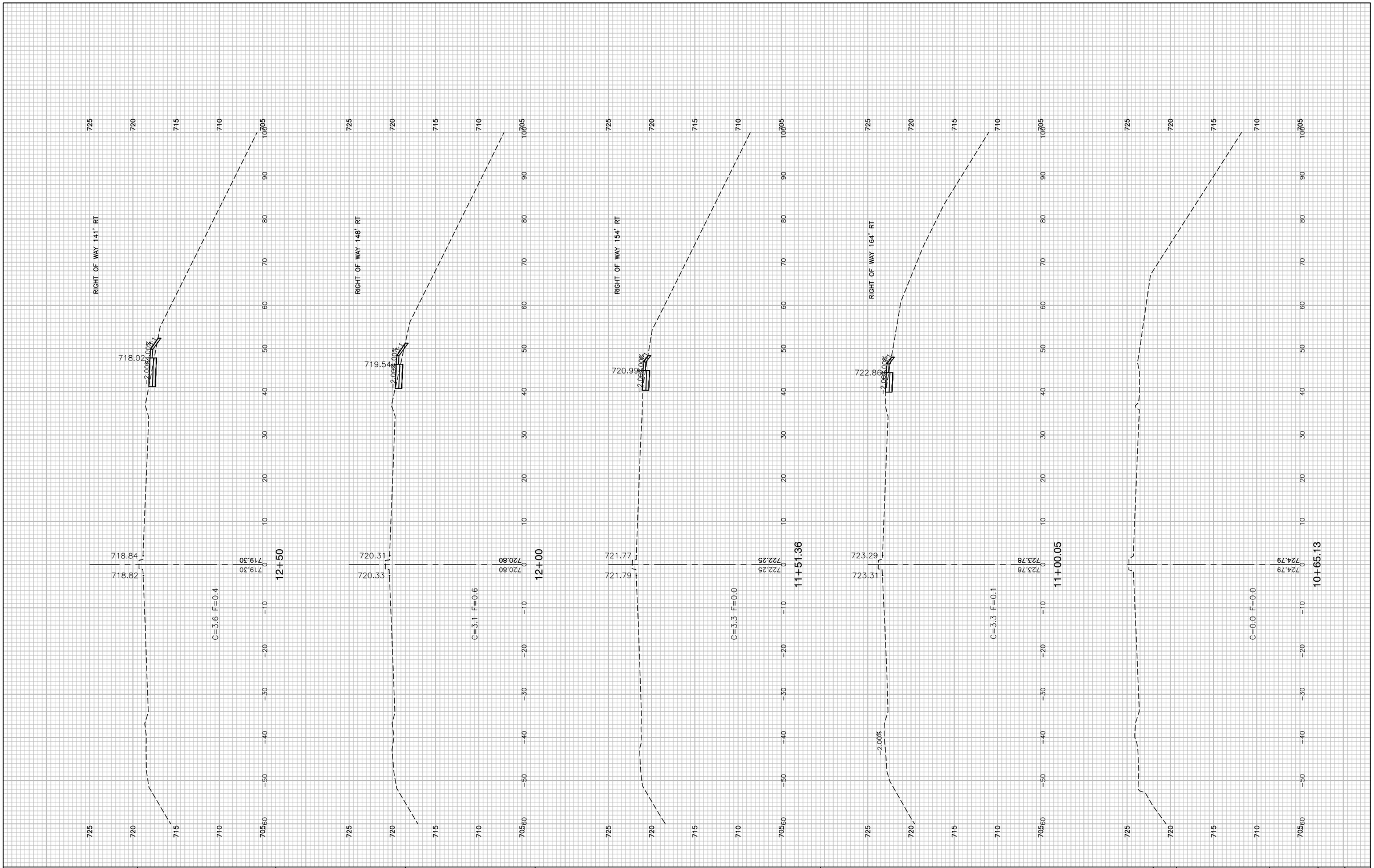
USER NAME =	DESIGNED — SDK	REVISED —	
	CHECKED — MAW	REVISED —	
PLOT SCALE =	DRAWN — RG	REVISED —	
PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 DETAILS

SCALE: | SHEET NO. 60 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1348 & 2997	19-00066-00-CH	DUPAGE	67	60
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



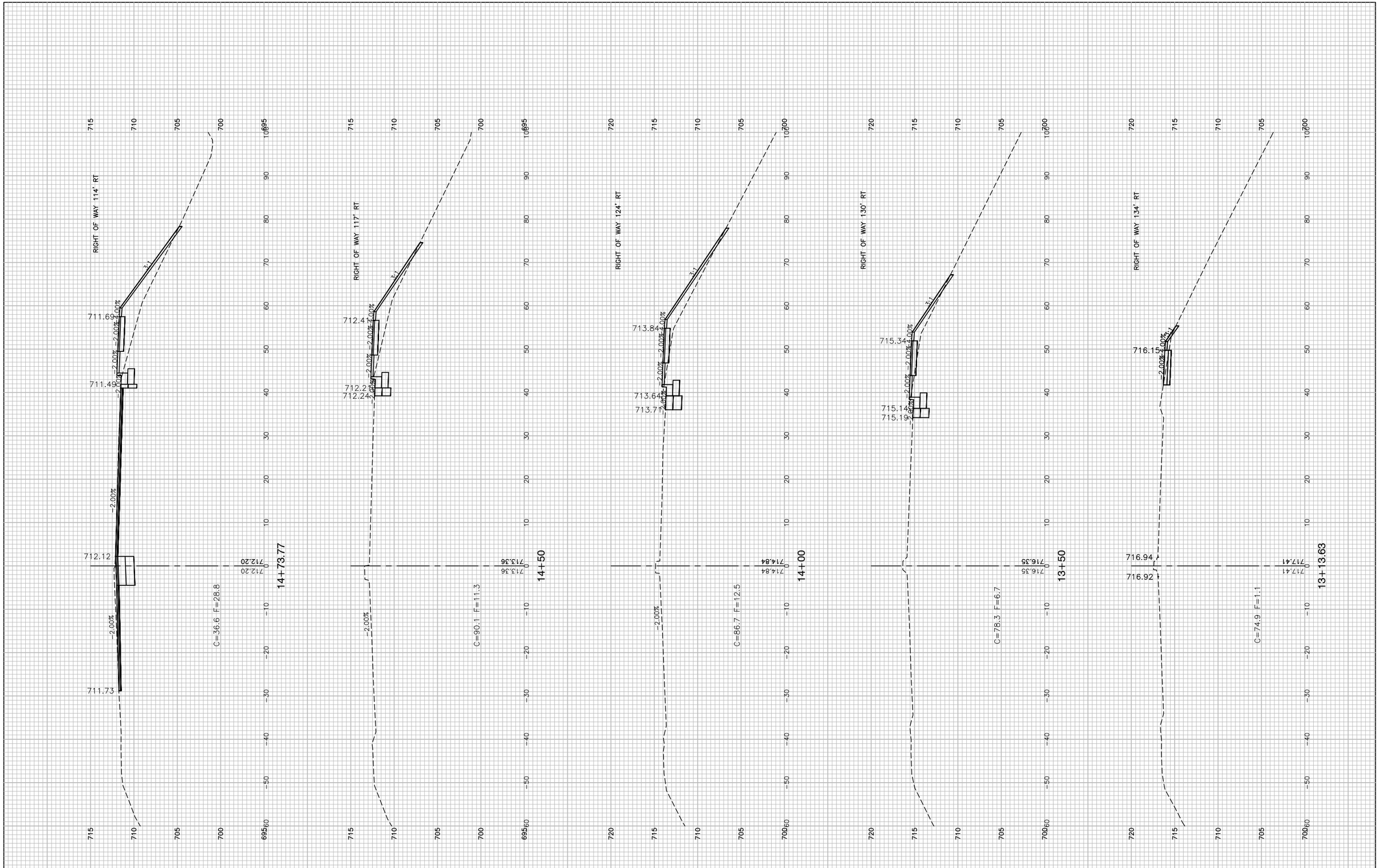
FILE NAME = 18R0939_02-XSEC-01 - X01	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' | SHEET NO. 61 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	61
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



FILE NAME = 18R0939_02-XSEC-01 - X02	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

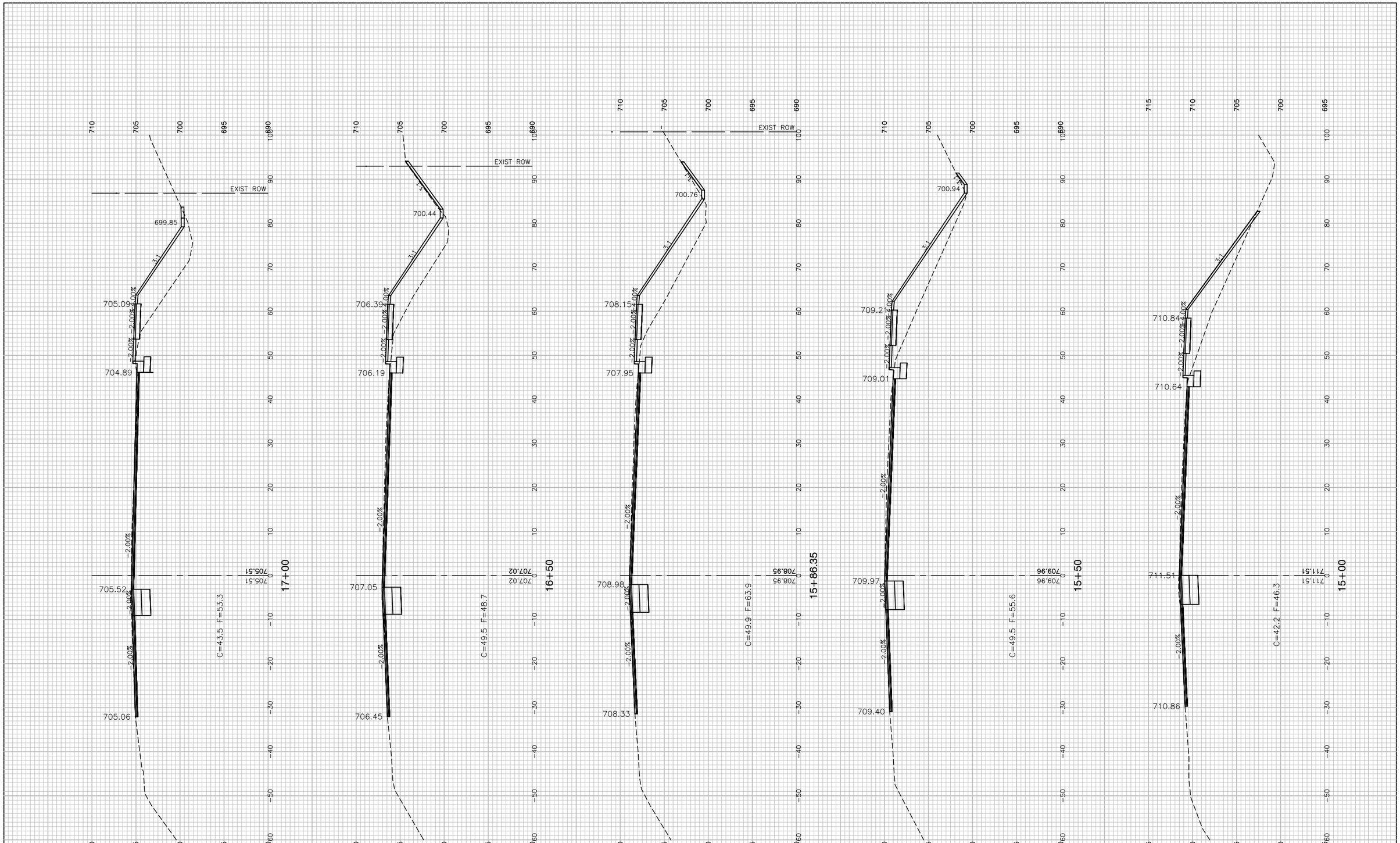
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' | SHEET NO. 62 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	62
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)



FILE NAME = 18R0939_02-XSEC-01 - X03	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

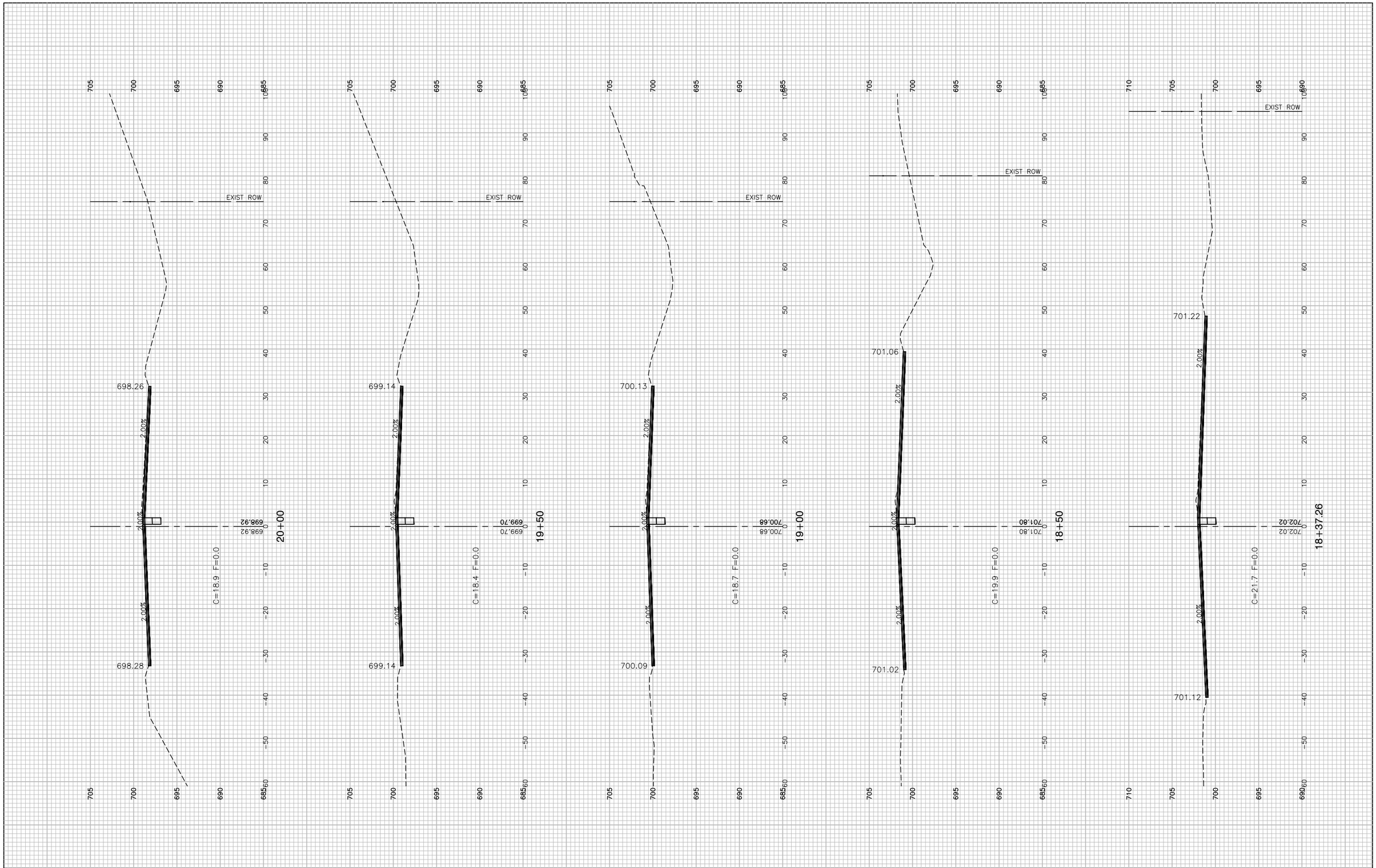
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' | SHEET NO. 63 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	63
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)



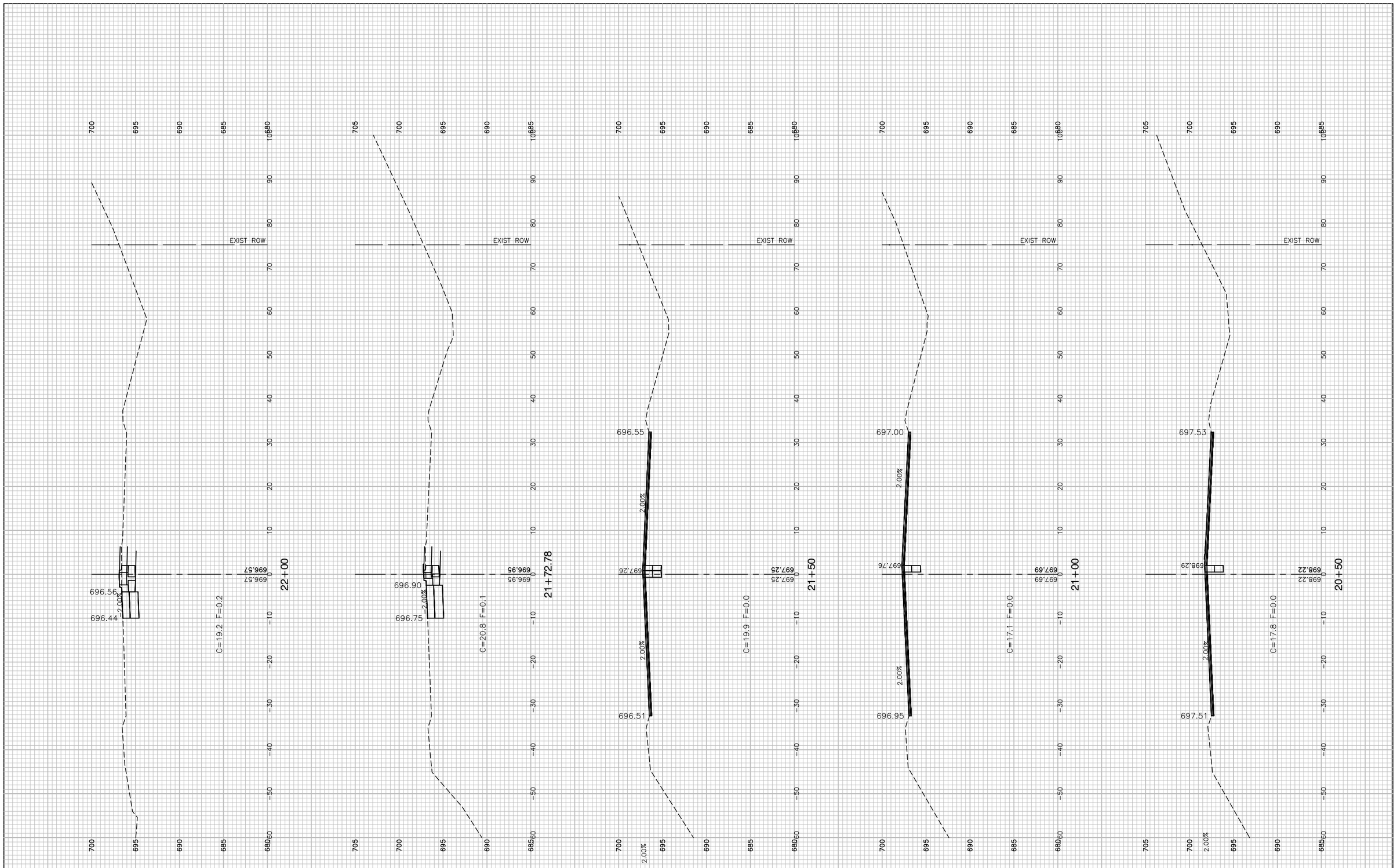
FILE NAME = 18R0939_02-XSEC-01 - X04	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' | SHEET NO. 64 OF 67 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	64
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



FILE NAME = 18R0939_02-XSEC-01 - X05	USER NAME =	DESIGNED — SDK	REVISED —
		CHECKED — MAW	REVISED —
	PLOT SCALE =	DRAWN — RG	REVISED —
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —

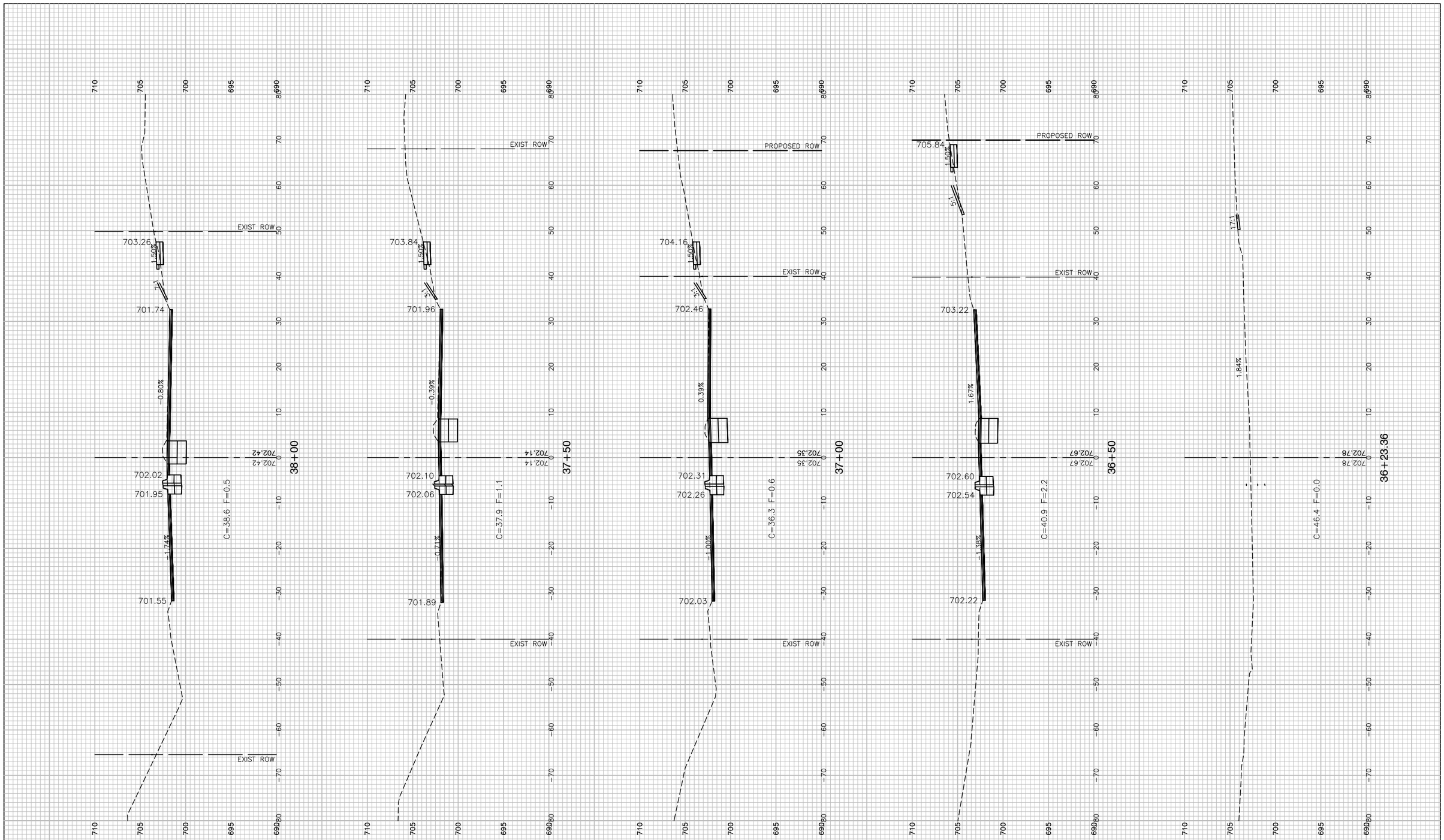
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD
INTERSECTION IMPROVEMENTS
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' | SHEET NO. 65 OF 67 SHEETS | STA. | TO STA.

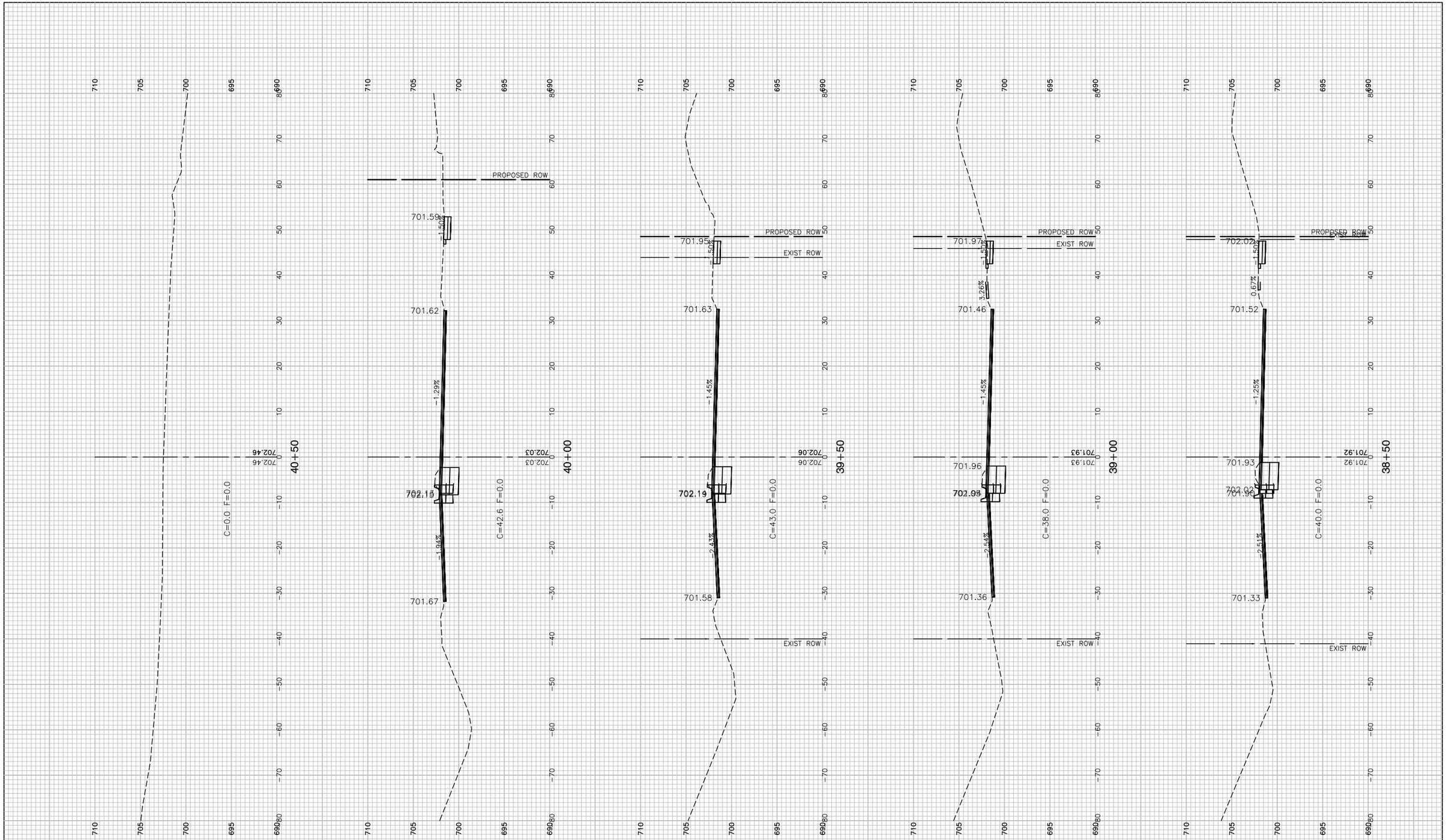
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	65
		CONTRACT NO. 61J12		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT XEW5(656)



FILE NAME = 18R0939_02-XSEC-01 - X06	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS CROSS SECTIONS
		CHECKED — MAW	REVISED —		
	PLOT SCALE =	DRAWN — RG	REVISED —		
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —		SCALE: H 1"=10' V 1"=5' | SHEET NO. 66 OF 67 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	66
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		



FILE NAME = 18R0939_02-XSEC-01 - X07	USER NAME =	DESIGNED — SDK	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVON AVENUE, PARK BOULEVARD & PIERCE ROAD INTERSECTION IMPROVEMENTS CROSS SECTIONS
		CHECKED — MAW	REVISED —		
	PLOT SCALE =	DRAWN — RG	REVISED —		
	PLOT DATE = 11/01/2022	CHECKED — AG	REVISED —		SCALE: H 1"=10' V 1"=5' | SHEET NO. 67 OF 67 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1346 & 2997	19-00066-00-CH	DUPAGE	67	67
		CONTRACT NO. 61J12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XEW5(656)		