

GENERAL NOTES

1.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJACENT PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
2.

PROPERTY OWNERS OF THE DRIVEWAYS SCHEDULED TO BE CLOSED SHALL BE PROVIDED A FORMAL NOTICE AT LEAST 7 DAYS PRIOR TO CLOSING THE DRIVEWAY.
3.

REMOVAL OF EXISTING AGGREGATE SHOULDER AND AGGREGATE DRIVEWAYS ARE INCLUDED IN QUANTITIES FOR EARTH EXCAVATION.
4.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS. ANY TREE THAT IS TO BE PROTECTED THAT IS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5.

THE CONTRACTOR SHALL CONTACT "JULIE" ONLINE AT JULIEBEFOREYOU.DIG.COM OR CALL 1-800-892-0123 OR 811 TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED AT LEAST 2 DAYS, BUT NO MORE THAN 10 DAYS (NOT INCLUDING WEEDENDS, HOLIDAYS, OR THE DAY OF THE NOTICE) PRIOR TO EXCAVATION.
6.

THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES, THE VILLAGE OF PRAIRIE GROVE, AND THE CITY OF MCHENRY.
7.

THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL-INCLUSIVE. THE CONTRACTOR, AT THEIR OWN EXPENSE, SHALL CONDUCT HIS/HER OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR, AND ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR REPLACED UNDER THE UTILITY OWNER'S DIRECTION AND AT NO ADDITIONAL COST TO THE DEPARTMENT.
8.

THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE CS 1 OR RR 1.
9.

TEN (10) FOOT LONG TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO THE EXISTING CURB AND GUTTER UNLESS OTHERWISE SHOWN ON THE PLANS. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
10.

SAW CUTTING OF PAVEMENT, SHOULDERS, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN CLEAN, STRAIGHT EDGES ON THE PORTIONS REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
11.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF ANY WORK.
12.

THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, AT BRANDY.KENNEDY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
13.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION ACTIVITIES AND ORDERING OF MATERIAL.
14.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
15.

THE CONTRACTOR SHALL VERIFY THE INVERTS OF ALL EXISTING AND PROPOSED CULVERTS AND STORM SEWERS PRIOR TO STARTING CONSTRUCTION ACTIVITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
16.

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH 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.
17.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
18.

THE CONTRACTOR SHALL MAINTAIN BUS STOPS ENCOUNTERED WITHIN THE PROJECT AREA WITH AT LEAST A HARD SURFACE FOR WAITING AND A PAD FOR BOARDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH PACE AND OTHER BUS SERVICES AND MAINTENANCE OF THE BUS STOPS ALONG THE CONSTRUCTION ROUTE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT BE CONSIDERED AS INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

19.

THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND THE LOCAL POSTMASTER TO RELOCATE ANY EXISTING MAILBOXES THAT NEED TO BE RELOCATED.
20.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
21.

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
22.

BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(B,C) OF THE SSRBC WILL NOT BE ALLOWED.
23.

ENGINEER SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT, (847) 705-4171, SEVEN (7) DAYS PRIOR TO LANDSCAPING INSTALLATION FOR APPROVAL OF LAYOUT.
24.

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE WOVEN.
25.

BEFORE BEGINNING ANY WORK, THE CONTRACTORS SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

ENBRIDGE NOTES

1.

ENBRIDGE LEASED PROPERTY ENTRANCE AT STATION 235+60.47 LT SHALL BE MAINTAINED WITH 24-HOUR EMERGENCY ACCESS AT ALL TIMES.
2.

FOR ANY ROADWAY INSTALLATION OR REMOVAL WORK, VIBRATION AND HAMMERING REMOVAL METHODS SHALL NOT BE PERMITTED WITHIN 20 FEET OF THE ENBRIDGE PIPELINE.

3.

PLEASE PROTECT THE ENBRIDGE EXISTING 34" PIPELINE CROSSING UNDER IL 31 FROM DAMAGE BY CONSTRUCTION OPERATIONS. PLEASE NOTIFY CRAIG GUTTENBERG-FIELD REPRESENTATIVE 920-691-6827 72 HOURS IN ADVANCE OF ANY WORK IS BEING COMPLETED 25 FEET OR CLOSER TO THE PIPELINE.

KINDER MORGAN NOTES

1.

NGPL REQUIRES THAT A NGPL REPRESENTATIVE BE ON SITE THE ENTIRE TIME ANY WORK IS BEING COMPLETED 25 FEET OR CLOSER TO THE PIPELINE. ANY DIGGING TWO FEET OR CLOSER TO THE PIPELINE MUST BE DONE BY SOFT TECHNIQUES, HAND OR HYDRO VACUUM. PIPELINE CROSSINGS MUST BE AT A MINIMUM OF 24 INCHES OF CLEARANCE AND CROSSINGS NEED TO BE VERIFIED WITH A POTTHOLE VIEWING WINDOW.
2.

PLEASE PROTECT THE KM/NGPL EXISTING 24" PIPELINE CROSSING UNDER IL 31 FROM DAMAGE BY CONSTRUCTION OPERATIONS. PLEASE NOTIFY MARK CAVAZOS O: 713.420.4363 C: 512.784.6771 72 HOURS IN ADVANCE OF ANY WORK IS BEING COMPLETED 25 FEET OR CLOSER TO THE PIPELINE.



MODEL: Default
FILE NAME: p:\path\kco-gen-jan16y.com\path\kco-gen-07\Documents\IDOT\212717.0\9.12_Dwg\13.3_CADD\13SHEETS\CS-SHT-GENNOTES-01.dgn



USER NAME = CD012	DESIGNED - EJB	REVISED -  4/2/2026
	DRAWN - BAW	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 4/2/2026	DATE - 1/9/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	5
			CONTRACT NO. 80C85	
		ILLINOIS	FED. AID PROJECT	

 REVISED SHEET 4/10/2026

Model: Default
File Name: p:\patht\cscopw\benlty.com\patht\cscopw\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-50001.dgn

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
		20101000	TEMPORARY FENCE	FOOT	2,802	80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% CHAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
*		20101100	TREE TRUNK PROTECTION	EACH	21	21											
*		20101400	NITROGEN FERTILIZER NUTRIENT	POUND	1,689	1,689											
*		20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,689	1,689											
*		20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,689	1,689											
		20101700	SUPPLEMENTAL WATERING	UNIT	111	111											
		20200100	EARTH EXCAVATION	CU YD	49,200	49,200											
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	40,125	40,125											
		20400800	FURNISHED EXCAVATION	CU YD	47,265	47,265											
		20700220	POROUS GRANULAR EMBANKMENT	CU YD	859	859											
		20800150	TRENCH BACKFILL	CU YD	10,186	8,416	1,770										
*		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	59,303	59,303	1										
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	29,485	29,485											
		21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	200	200											



USER NAME = BW001
PLOT SCALE = 100,0000 ' / in.
PLOT DATE = 2/2/2026

DESIGNED - EJB
DRAWN - EJB
CHECKED - KE
DATE - 09/30/2025

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P.
RTE.
336A

SECTION
2025-2127-R, C, TS, SW

COUNTY
MCHENRY

TOTAL
SHEETS
553
SHEET
NO.
6
CONTRACT NO. 80C85

1

REVISED SHEET 4/10/2026

Model: Default
File Name: p:\patht\cscopw_bentley.com\patht\cscopw47\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn

1 SP ** * SI *		ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003		IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 1 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
*		25000210	SEEDING, CLASS 2A	ACRE	18.8	18.8											
*		25100115	MULCH, METHOD 2	ACRE	15.7	15.7											
*		28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	1,202	1,202											
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,856	2,856											
*		28000305	TEMPORARY DITCH CHECKS	FOOT	2,200	2,200											
*		28000400	PERIMETER EROSION BARRIER	FOOT	13,504	13,504											
*		28000500	INLET AND PIPE PROTECTION	EACH	24	24											
		28000510	INLET FILTERS	EACH	374	374											
*		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	62,590	62,590											
		28100107	STONE RIPRAP, CLASS A4	SQ YD	507	507											
		28100709	STONE DUMPED RIPRAP, CLASS A5	SQ YD	685	685											
		28100713	STONE DUMPED RIPRAP, CLASS A7	SQ YD	116	116											
*		28200200	FILTER FABRIC	SQ YD	1,307	1,307											



USER NAME = BW001	DESIGNED - EJB	REVISED -
DRAWN - EJB	REVISED -	
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	7
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	

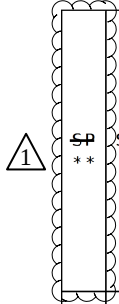
1

REVISED SHEET 4/10/2026

1 REVISED SHEET 4/10/2026

REV-SEP

Model: Default
File Name: p:\pathtokcopen.bentley.com\pathtokcopen\47\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-50001.dgn



	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
					0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
	42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	99,183	80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
	42001300	PROTECTIVE COAT	SQ YD	29,393	20,117										9,276	
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	175	175											
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	83,476											83,476	
	42400800	DETECTABLE WARNINGS	SQ FT	1,310	1,310											
	44000100	PAVEMENT REMOVAL	SQ YD	67,160	67,160											
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	10,993	10,993											
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	11,684	11,684											
	44000600	SIDEWALK REMOVAL	SQ FT	4,886	4,886											
	44004250	PAVED SHOULDER REMOVAL	SQ YD	12,485	12,485											
	44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	685	685											
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	260	260											
	50105220	PIPE CULVERT REMOVAL	FOOT	2,468	2,468											
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	759	759											
*	51500100	NAME PLATES	EACH	5	5											

1 REVISED SHEET 4/10/2026



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	9
			CONTRACT NO. 80C85	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: p:\path\lccopw_bentley.com\path\lccopw\07\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn

1 SP ** SI *		ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003		IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
		54001008	BOX CULVERT END SECTIONS, CULVERT NO. 8	EACH	2	2	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
		54001009	BOX CULVERT END SECTIONS, CULVERT NO. 9	EACH	2	2											
		54001010	BOX CULVERT END SECTIONS, CULVERT NO. 10	EACH	2	2											
		54001011	BOX CULVERT END SECTIONS, CULVERT NO. 11	EACH	2	2											
		54001012	BOX CULVERT END SECTIONS, CULVERT NO. 12	EACH	2	2											
		54010603	PRECAST CONCRETE BOX CULVERTS 6' X 3'	FOOT	136	136											
		54010805	PRECAST CONCRETE BOX CULVERTS 8' X 5'	FOOT	152	152											
		54011202	PRECAST CONCRETE BOX CULVERTS 12' X 2'	FOOT	512	512											
		54011203	PRECAST CONCRETE BOX CULVERTS 12' X 3'	FOOT	132	132											
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	19	19											
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	5	5											
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	20	20											
		54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2											
		54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4	4											

1

REVISED SHEET 4/10/2026



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	10
			CONTRACT NO. 80C85	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: p:\path\discopw-bentley.com\path\discopw-07\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn

1 SP ** SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	1 80% FED 20% STATE 10% PRATIE GROVE	80% FED 20% STATE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	4	4												
	54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	3	3												
	54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2	2												
	54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	2	2												
	54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	2	2												
	54214713	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 18"	EACH	2	2												
	542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	55	55												
	542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	135	135												
	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	509	509												
	542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	160	160												
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	8,370	8,370												
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	627	627												
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	2,422	2,422												
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	641	641													



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS	SHEET 6 OF 30 SHEETS	STA. TO STA.
------------	----------------------	--------------

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	11
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	

1 REVISD SHEET 4/10/2026

MODEL: Default
FILE NAME: p:\path\discopw-bentley.com\path\discopw-07\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn

1 SP ** *		ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003		IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	1 80% FED 20% STATE 100% PRIME GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
		550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	297	297											
		550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	273	273											
		550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	233	233											
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	2,418	2,418											
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	478	478											
		550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	2,940	2,940											
		550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,219	1,219											
		550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	138	138											
		550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	433	433											
		550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	125	125											
		550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	573	573											
		550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	138	138											
		550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	1,413	1,413											
		550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	309	309											



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

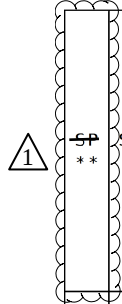
SCALE: NTS SHEET 7 OF 30 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	12
			CONTRACT NO. 80C85	
		ILLINOIS	FED. AID PROJECT	

1

REVISED SHEET 4/10/2026

Model: Default
File Name: p:\pathtecorp\benlley.com\pathtecorp\471\Documents\DOT2127701912_Dwg\p13.3_CADD\SHEETS\CS-SHT-50001.dgn



ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
				0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
				80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	FOOT	905	905											
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	13	13											
55100500	STORM SEWER REMOVAL 12"	FOOT	1,169	1,169											
55100700	STORM SEWER REMOVAL 15"	FOOT	1,203	1,203											
55100800	STORM SEWER REMOVAL 16"	FOOT	146	146											
55100900	STORM SEWER REMOVAL 18"	FOOT	1,312	1,312											
55101600	STORM SEWER REMOVAL 36"	FOOT	216	216											
** 56100600	WATER MAIN 6"	FOOT	8		8										
** 56100700	WATER MAIN 8"	FOOT	168		168										
** 56100800	WATER MAIN 10"	FOOT	37		37										
** 56100900	WATER MAIN 12"	FOOT	4,429		4,429										
** 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	400		400										



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	13
			CONTRACT NO. 80C85	
		ILLINOIS	FED. AID PROJECT	

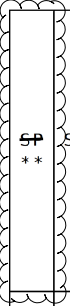
1

REVISED SHEET 4/13/2026

1 REVISED SHEET 4/13/2026

REV-SEP

MODEL: Default
FILE NAME: p:\path\lccopen\benlley.com\path\lccopen\47\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-50001.dgn



ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
				0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
				80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRIME GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3											
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	6	6											
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	25	25											
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	30	30											
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	7	7											
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	8	8											
60220200	MANHOLES, TYPE A, 4'-DIAMETER	EACH	1	1											
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	33	33											
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	5	5											
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	32	32											
60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	2	2											
60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	5	5											
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	15	15											
60224449	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1											



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

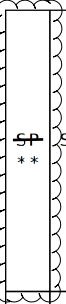
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 10 OF 30 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			553	15
336A	2025-2127-R, C, TS, SW	MCHENRY	CONTRACT NO. 80C85	
		ILLINOIS	FED. AID PROJECT	

REVISD SHEET 4/13/2026

Model: Default
File Name: p:\patk\lscopw\benlty.com\patk\lscopw\47\Documents\DOT2127101912_Dwg\p113.3_CADD\SHEETS\CS-SHT-50001.dgn



ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
				0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
				80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% TRAFFIC GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2	2											
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	15	15											
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	9	9											
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	113	113											
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13		13										
60255500	MANHOLES TO BE ADJUSTED	EACH	18	10	8										
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	6		6										
60404950	FRAMES AND GRATES, TYPE 24	EACH	2	2											
60251200	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1	1											
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1											
60500040	REMOVING MANHOLES	EACH	20	20											
60500050	REMOVING CATCH BASINS	EACH	10	10											
60500060	REMOVING INLETS	EACH	30	30											
60600605	CONCRETE CURB, TYPE B	FOOT	1,193	1,193											



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 11 OF 30 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	16
CONTRACT NO. 80C85				
		ILLINOIS	FED. AID PROJECT	

1

REVISED SHEET 4/13/2026

Model: Default
File Name: p:\path\ecopw-bentley.com\path\ecopw-07\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn



	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
					0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4,190	80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRIME GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	56,155	56,155											
	60620000	CONCRETE MEDIAN, TYPE SB-6.24	SQ FT	4,887	4,887											
	63200310	GUARDRAIL REMOVAL	FOOT	276	276											
** *	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	27,940	27,940											
** *	66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10											
** *	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1											
** *	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1											
** *																
** *	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	200	200											
	67100100	MOBILIZATION	L SUM	1	1											
	67201000	SEALING ABANDONED WELLS	EACH	1	1											
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	913	913											
*	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	8,273	8,217						56					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	106,326	106,326											



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS	SHEET 12 OF 30 SHEETS	STA. TO STA.
------------	-----------------------	--------------

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	17
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	

1 REVISED SHEET 4/13/2026

1 REVISED SHEET 4/13/2026

REV-SEP

MODEL: Default
FILE NAME: p:\path\kco-gen-bentley.com\path\kco-gen-07\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-50001.dgn

						ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD	0028	0028
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% CHAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
1	SI	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY												
		70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8	8											
*		72000100	SIGN PANEL - TYPE 1	SQ FT	715	614						32	14	55			
*		72000200	SIGN PANEL - TYPE 2	SQ FT	124.0	49							75				
*		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	52	52											
*		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	52	52											
*		72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	14	14											
*		72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10											
*		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	1,845	1,845											
*		72900100	METAL POST - TYPE A	FOOT	88	88											
*		72900200	METAL POST - TYPE B	FOOT	41	41											
*		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	328	328											
*		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,060	5,060											
*		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,460	1,460											
*		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	164	164											



USER NAME = BW001	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

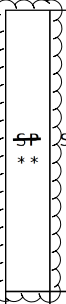
SUMMARY OF QUANTITIES

SCALE: NTS	SHEET 14	OF 30	SHEETS	STA.	TO STA.
------------	----------	-------	--------	------	---------

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	19
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	

1 REVISED SHEET 4/13/2026

MODEL: Default
FILE NAME: p:\path\kco-gen-bentley.com\path\kco-gen\471\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn



		ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	63	63											
*		78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	7,045	7,045											
*		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,964	1,964											
*		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	28,255	28,255											
*		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	3,355	3,355											
*		78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	11,665	11,665											
*		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	7,799	7,799											
*		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	700	700											
*		78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	7,045	7,045											
*	*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	705	705											
*																	
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	475	475											
		78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	27,141	27,141											
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	367	367											



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

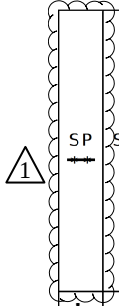
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	20
			CONTRACT NO. 80C85	
		ILLINOIS	FED. AID PROJECT	

REVISED SHEET 4/13/2026

MODEL: Default
FILE NAME: p:\path\lccopw-bentley.com\path\lccopw-07\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn



		ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE		
*		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	15,977						13,398	682	930	835	132		
*		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	576							158	179	202	37		
*		81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,280							503	535	242			
*		81400100	HANDHOLE	EACH	36						24	4	4	4			
*		81400200	HEAVY-DUTY HANDHOLE	EACH	8							2	3	3			
*		81400300	DOUBLE HANDHOLE	EACH	5							2	2	1			
*		85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2						1				1		
*		87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	15,851						15,851						
*		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	5,048							1,272	1,579	387	1,810		
*		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6,785							2,158	2,267	1,113	1,247		
*		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5,462							1,597	1,516	2,257	92		
*		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	6,846							2,359	3,730	665	92		
*		87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	7,993							2,107	3,702	2,184			
*		87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	235							84	78	73			



USER NAME = BW001
PLOT SCALE = 100.0000 ' / in.
PLOT DATE = 2/2/2026

DESIGNED - EJB
DRAWN - EJB
CHECKED - KE
DATE - 09/30/2025

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P
RTE.

SECTION
336A 2025-2127-R, C, TS, SW

COUNTY
MCHENRY

TOTAL
SHEETS
553

SHEET
NO.
21

CONTRACT NO. 80C85

REVISED SHEET 4/13/2026

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: p:\path\lccopw_bentley.com\path\lccopw47\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn



		ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
*		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2,703							692	691	655	665		
*		87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	8							4	2	2			
*		87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1								1				
*		87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1									1			
*		87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1							1					
*		87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	2								1	1			
*		87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1									1			
*		87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1							1					
*		87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	3							1	1	1			
*		87700404	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1							1					
*		87700408	STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1								1				
*		87702433	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 55 FT.	EACH	1								1				
*		87800100	CONCRETE FOUNDATION, TYPE A	FOOT	48							20	12	12	4		
*		87800200	CONCRETE FOUNDATION, TYPE D	FOOT	12							4	4	4			



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

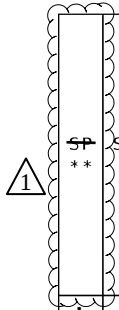
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

REVISED SHEET 4/13/2026		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	22		
			CONTRACT NO. 80C85			
		ILLINOIS	FED. AID PROJECT			

Model: Default
File Name: p:\pathtolcopen.bentley.com\pathtolcopen\471\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn



	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
					0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
					80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24								10	14			
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	130							43	44	43			
*	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42							21	21				
*	87900200	DRILL EXISTING HANDHOLE	EACH	9						1				8		
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	19							5	6	8			
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5							2		3			
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	11							6	4	1			
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	21							6	12	3			
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	20							8	8	4			
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	40							11	18	11			
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	29							8	13	8			
*	88600100	DETECTOR LOOP, TYPE I	FOOT	273								273				
*	88700200	LIGHT DETECTOR	EACH	9			3	3	3							
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	3			1	1	1							



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

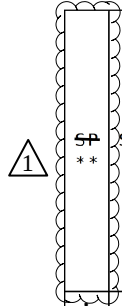
SUMMARY OF QUANTITIES

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

F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A		2025-2127-R, C, TS, SW	MCHENRY	553	23
				CONTRACT NO. 80C85	
		ILLINOIS	FED. AID PROJECT		

1 REVISED SHEET 4/13/2026

Model: Default
File Name: p:\path\kco-gen-bentley.com\path\kco-gen-07\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn



	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
					0003	0043	0021	0021	0021	0021	0021	0021	0021	0021		
					80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 20% STATE	100% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2								1	1			
*	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2										2		
**	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	5										5		
*	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1										1		
**	89501510	RELOCATE EXISTING FLASHING BEACON	EACH	3	3											
*	89502200	MODIFY EXISTING CONTROLLER	EACH	1										1		
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3								1	1	1		
*	89502380	REMOVE EXISTING HANDHOLE	EACH	14								8	6			
*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2								1	1			
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	19								8	7	4		
*	A2000086	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	33	33											
*	A2000316	TREE, ACER MIYABEI MORTON (STATE STREET MIYABEI MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	21	21											
*	A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	18	18											
*	A2002516	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	51	51											



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	24
		CONTRACT NO. 80C85		
ILLINOIS		FED. AID PROJECT		

1 REVISD SHEET 4/13/2026

MODEL: Default
FILE NAME: p:\path\lscopw-bentley.com\path\lscopw-07\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn

						ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD	0028	0028
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
1 \$ ** *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY													
*	A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10												
*	A2004416	TREE, GINKGO BILOBA (GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	18	18												
*	A2004516	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	47	47												
*	A2004716	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11												
*	A2005050	TREE, GYMNOCLADUS DIOICUS PRAIRIE TITAN, (PRAIRIE TITAN KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	15	15												
*	A2005616	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	31	31												
*	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	27	27												
*	A2006616	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	32	32												
*	A2007016	TREE, QUERCUS ROBUR FASTIGIATA (FASTIGIATE ENGLISH OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	32	32												
*	A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	22	22												
*	A2008468	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	12	12												
*	A3005012	TREE, GYMNOCLADUS DIOICUS 'MORTON' SKINY LATTE KENTUCKY COFFEE TREE, 2-1/2" CAL, BALLED AND BURLAPPED	EACH	37	37												
*	B2001116	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	34	34												
*	B2002616	TREE, MALUS ADAMS (ADAMS CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	47	47												



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	25
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	

1

REVISED SHEET 4/13/2026

MODEL: Default
FILE NAME: p:\pathtokcopen.bentley.com\pathtokcopen\471\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-Q1.dgn

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
*		B2006016	TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	32	32											
*		B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	56	56											
*		B2010016	TREE, AMELANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	50	50											
*		B2010168	TREE, CORNUS KOUSA (KOUSA DOGWOOD), 8' HEIGHT, BALLED AND BURLAPPED	EACH	53	53											
*		B2013468	TREE, MALUS GOLDEN RAINDROPS (GOLDEN RAINDROPS CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	50	50											
*		C2001636	SHRUB, CORNUS SERICEA (REDOSIER DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	5	5											
*		C2003260	SHRUB, HAMAMELIS VERNALIS (VERNAL WITCH HAZEL), 5' HEIGHT, BALLED AND BURLAPPED	EACH	1	1											
*		C2003560	SHRUB, HYDRANGEA PANICULATA GRANDIFLORA (PEEGEE PANICLE HYDRANGEA), 5' HEIGHT, BALLED AND BURLAPPED	EACH	4	4											
*		K0013055	PERENNIAL PLANTS, WETLAND EMERGENT	ACRE	0.7	0.7											
*		K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1	1											
*		X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2,114			775	640	699							
*		X3010104	BIAXIAL GEOGRID	SQ YD	3,056	3,056											
*		X0325922	CELLULAR MODEM	EACH	1						1						
*		X0327120	WEED CONTROL , NATIVE LANDSCAPE ENHANCEMENT	ACRE	11.6	11.6											



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS	SHEET 21 OF 30 SHEETS	STA. TO STA.
------------	-----------------------	--------------

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	26
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: p:\path\kco-gen-bentley.com\path\kco-gen-07\Documents\DOT2127101912_Dwg\p113.3_CADD\SHEETS\CS-SHT-500-01.dgn

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
		X0327301	RELOCATE EXISTING MAILBOX	EACH	13	13											
		X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	1,454	1,454											
		X1200042	MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE	EACH	2	2											
		X5400005	BOX CULVERT REMOVAL	FOOT	409	409											
*		X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	63									63			
*		X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	3							1	1	1			
*		X1400216	LAYER II (DATALINK) SWITCH	EACH	4							1	1	1	1		
*		X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	7							1		1	5		
*		X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4							1	1		2		
*		X1400514	TACTICS LICENSE EXPANSION	EACH	3								1	1	1		
*		X2010402	STUMP REMOVAL, ACRES	ACRE	0.2	0.2											
*		X2010404	STUMP REMOVAL	EACH	47.0	47											
*		X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	11.5	11.5											
*		X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	11.5	11.5											



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 22 OF 30 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	27
CONTRACT NO. 80C85				
ILLINOIS		FED. AID PROJECT		

Model: Default
File Name: p:\path\discopw.bentley.com\path\discopw47\Documents\DOT2127101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-500-01.dgn

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
*		X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.2	0.2											
		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	6	6											
		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	40	40											
		X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	8	8											
		X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SPECIAL)	SQ FT	2,503	2,503											
		X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1	1											
		X5427602	REMOVE EXISTING FLARED END SECTION	EACH	65	65											
**		X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	4,337		4,337										
**		X5610804	NON-PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	9		9										
		X6020096	MANHOLES, TYPE A, 6' -DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	4	4											
		X6020293	MANHOLES, TYPE A, 8' -DIAMETER, WITH 2 TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE	EACH	2	2											
**		X6026622	VALVE VAULTS TO BE REMOVED	EACH	5		5										
		X6640104	FENCE REMOVAL	FOOT	5,378	5,378											



USER NAME = BW001	DESIGNED - EJB	REVISED -
	DRAWN - EJB	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - KE	REVISED -
PLOT DATE = 2/2/2026	DATE - 09/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS	SHEET 23 OF 30 SHEETS	STA. TO STA.
------------	-----------------------	--------------

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	28
CONTRACT NO. 80C85				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: p:\pathtokcopen.bentley.com\pathtokcopen\47\Documents\DOT217701912_Design\13_CADD\SHEETS\CS-SHT-500-01.dgn

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
**		X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	36	36											
**		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1											
		X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	50	50											
*		X8570227	FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	3							1	1	1			
		X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	50	50											
*		X8620250	UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	3							1	1	1			
*		X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	15,851						15,851						
*		X8710070	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	4							1	1	1	1		
*		X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	28							8	8	4	8		
*		X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	44							8	4	4	28		
*		X8809005	LED SIGNAL FACE, LENS COVER	EACH	56							19	22	15			
*		X8860107	PREFORMED DETECTOR LOOP	FOOT	2,779							877	1,264	638			
*		X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1							1					
*		X8891104	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1									1			
**	*	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2								1	1			
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1											



USER NAME = BW001
PLOT SCALE = 100,0000 ' / in.
PLOT DATE = 2/2/2026

DESIGNED - EJB
DRAWN - EJB
CHECKED - KE
DATE - 09/30/2025

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R, C, TS, SW	MCHENRY	553	29
CONTRACT NO. 80C85				
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: p:\patk\kco\proj\ben\lty.com\patk\kco\proj\471\Documents\DOT21217101912_Dwg\p13.3_CADD\SHEETS\CS-SHT-50001.dgn

SP **	SI *	ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	WATERMAIN	EVP			TRAFFIC SIGNALS					SIDEWALK	MULTI-USE PATH
						0003	0043	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LN	INTERCONNECT	IL 31 AT EDGEWOOD ROAD	IL 31 AT ALBANY ST / PRIME PKWY	IL 31 AT SHAMROCK LANE	IL 31 AT BULL VALLEY ROAD		
						80% FED 20% STATE	100% CITY OF MCHENRY	100% CITY OF CRYSTAL LAKE	100% MCHENRY TWP F.P.D.	100% MCHENRY TWP F.P.D.	80% FED 20% STATE	80% FED 10% STATE 10% PRAIRIE GROVE	80% FED 10% STATE 10% CITY OF MCHENRY	80% FED 13.3% STATE 6.7% CITY OF MCHENRY	80% FED 10% STATE 10% MCHENRY COUNTY	80% FED 20% STATE	80% FED 20% STATE
**	*	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	1,500	1,500											
*		Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1										1		
*		Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1						1						
		Z0054400	ROCK FILL	CU YD	759	759											
		Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	408	408											
		Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	34	34											
		Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	454	454											
		Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	96	96											
		Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	160	160											
		Z0056637	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 36 INCH	FOOT	165	165											
		Z0062456	TEMPORARY PAVEMENT	SQ YD	21,952	21,952											
		Z0076600	TRAINEES	HOURL	4,000	4,000											
		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	4,000	4,000											
		X5020103	CONTROLLED STIFFNESS COLUMN GROUND IMPROVEMENT	SQ YD	14,667	14,667											
	Ø	Z0076600	TRAINEES	HOURL	2000	2000											
		K1003660	MOWING CYCLES	EACH	66	66											
	Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURL	2000	2000											

Ø 0042



USER NAME = BW001
PLOT SCALE = 100,0000 ' / in.
PLOT DATE = 2/2/2026

DESIGNED - EJB
DRAWN - EJB
CHECKED - KE
DATE - 09/30/2025

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P
RTE.
336A

SECTION
2025-2127-R, C, TS, SW

COUNTY
MCHENRY

TOTAL
SHEETS
553
SHEET
NO.
30
CONTRACT NO. 80C85

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: p:\patk\lscopw\benlty.com\patk\lscopw\07\Documents\DOT\21277.0\19.12_Dwg\p13.3_CADD\SHEETS\CS-SHT-SCHEDULE-01.dgn

SHARED-USE PATH								
FROM STA	TO STA	LT/RT	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	SUBBASE GRANULAR MATERIAL, TYPE B 6"	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	DETECTABLE WARNINGS
			TON	TON	SQ YD	POUND	POUND	SQ FT
IL-31								
238+00	278+76	RT	368	613	4378	9850	985	202
279+38	306+72	RT	245	409	2918	6566	657	52
307+29	323+89	RT	144	241	1719	3869	387	36
324+74	341+78	RT	163	271	1937	4359	436	69
342+66	368+73	RT	231	385	2753	6195	620	200
368+84	391+04	RT	160	266	1901	4277	428	67
TOTAL			1,311	2,185	15,608	35,116	3,512	626

SIDEWALK				
FROM STA	TO STA	LT/RT	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SUBBASE GRANULAR MATERIAL, TYPE B 6"
			SQ FT	SQ YD
IL-31				
238+00	252+30	LT	8196	911
253+09	331+79	LT	40883	4543
332+12	336+55	LT	2595	288
337+25	341+84	LT	2412	268
342+79	358+32.33	LT	8518	946
359+60	367+46	LT	3896	433
368+62	390+80	LT	12637	1404
392+00	397+00	LT	2640	293
SHAMROCK LN				
10+25	13+24	RT	1697	189
TOTAL			83,476	9,276

1

CONCRETE MEDIAN, TYPE SB-6.24		
FROM STA	TO STA	QUANTITY
		SQ FT
IL-31		
241+95	245+08	1,878
289+84	291+74	1,497
292+83	294+76	1,511
TOTAL		4,887

PAVEMENT					
FROM STA	TO STA	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"	AGGREGATE SUBGRADE IMPROVEMENT, 12"
		SQ YD	SQ YD	SQ YD	SQ YD
IL-31					
238+00	252+00	9390	0	0	9390
252+00	278+00	16822	0	0	16822
278+00	303+00	15347	0	0	15347
303+00	326+00	15202	0	0	15202
326+00	341+00	10356	0	0	10356
341+00	367+00	18410	0	0	18410
367+00	385+44	13655	0	0	13655
EDGEWOOD ROAD					
3+96	8+92	0	1857	0	1857
SHAMROCK LANE					
10+25	12+67	0	898	0	898
AMES ROAD					
239+27	239+58	0	680	0	680
VETERANS PARKWAY					
323+95	324+66	0	273	0	273
HI-POINT ROAD					
331+99	332+26	0	139	0	139
DAYTON STREET					
352+18	352+50	0	116	0	116
PRIME PARKWAY					
341+94	342+61	0	0	4489	4489
ALBANY STREET					
341+96	342+56	0	0	1784	1784
TOTAL		99,184	3,964	6,274	109,420

1

REVISED SHEET 4/13/2026



USER NAME = CD012
PLOT SCALE = 100.0000 ' / in.
PLOT DATE = 4/10/2026

DESIGNED - EJB
DRAWN - BAW
CHECKED - KE
DATE - 09/30/2025

REVISED -

1

 4/10/2026
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 31

SCALE: NTS SHEET 6 OF 17 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	42
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	



1

MATCHLINE STATION 230 + 00

CONTRACT 62K69 CONTRACT 80C85

PROJECT BEGINS
STA 238+00

N: 2044919.92
E: 996847.70

IL ROUTE 31

ALIGNMENT COORDINATES - EDGEWOOD ROAD			
SIDE STREET	STATION	N	E
POT	10+00	2046376.59	996840.72

POT Sta 3+50.00

PROJECT LIMIT
STA 3+95.68

EDGEWOOD ROAD

PROP. CURVE P_IL31_S_25
PI STA. = 256+28.56
 Δ = 2° 15' 04" (LT)
D = 0° 35' 00"
R = 9,821.00'
T = 192.95'
L = 385.85'
E = 1.90'
P.C. STA. = 254+35.61
P.T. STA. = 258+21.47

90° 0' 0"

PI Sta 251+93.26

POT Sta 10+00.00

PC Sta 254+35.61

PI Sta 256+28.56

CURVE P_IL31_S_25

PT Sta 258+21.47

MATCHLINE STATION 260 + 00

ALIGNMENT COORDINATES - IL RTE. 31			
IL 31	STATION	N	E
PI	251+93.26	2046313.16	996841.45
PC	254+35.61	2046555.50	996838.67
PT	258+21.47	2046941.14	996826.67

ALIGNMENT COORDINATES - IL RTE. 31			
IL 31	STATION	N	E
PC	269+50.58	2048068.81	996769.40
PT	272+59.78	2048377.83	996759.79

MATCHLINE STATION 260 + 00

PC Sta 269+50.58

PI Sta 271+05.20

PT Sta 272+59.78

CURVE P_IL31_S_25

PROP. CURVE P_IL31_S_28
PI STA. = 271+05.20
 Δ = 2° 15' 04" (RT)
D = 0° 43' 41"
R = 7,870.00'
T = 154.62'
L = 309.20'
E = 1.52'
P.C. STA. = 269+50.58
P.T. STA. = 272+59.78

IL ROUTE 31

MATCHLINE STATION 290 + 00

1 REVISED SHEET 4/13/2026



USER NAME	USERS	DESIGNED	TRANS	REVISED	4/9/2026
DRAWN	TRANS	REVIS			
PLOT SCALE	SSCALE\$	CHECKED	TRANS	REVIS	
PLOT DATE	SDATES	DATE	1/9/2026	REVIS	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES
ILLINOIS ROUTE 31

SCALE: 1"=100' SHEET 1 OF 5 SHEETS STA. 230+00 TO STA. 290+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	49
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	



MATCHLINE STATION 290 + 00

MATCHLINE STATION 320 + 00

MATCHLINE STATION 320 + 00

MATCHLINE STATION 350 + 00

PROP. CURVE P_IL31_S_31
PI STA. = 304+72.42
 Δ = 27° 08' 53" (RT)
D = 1° 22' 03"
R = 4,190.00'
T = 1,011.66'
L = 1,985.32'
E = 120.40'
P.C. STA. = 294+60.76
P.T. STA. = 314+46.09

ALIGNMENT COORDINATES - IL RTE. 31			
IL 31	STATION	N	E
PC	294+60.76	2050578.67	996734.57
PT	314+46.09	2052495.70	997174.25

PROP. CURVE P_PRIME_3
PI STA. = 15+07.58
 Δ = 60° 48' 28" (RT)
D = 8° 11' 06"
R = 700.00'
T = 410.75'
L = 742.91'
E = 111.61'
P.C. STA. = 10+96.83
P.T. STA. = 18+39.74

ALIGNMENT COORDINATES - PRIME PARKWAY			
SIDE STREET	STATION	N	E
POT	19+56.97	2054987.52	998416.16
PT	18+39.74	2055039.81	998311.25
PC	10+96.83	2054991.47	997604.37
POT	10+00.00	2054936.88	997524.39

ALIGNMENT COORDINATES -ALBANY STREET			
SIDE STREET	STATION	N	E
POT	10+00	2054989.08	998416.95
PC	12+54.97	2054874.41	998644.67
PT	14+74.13	2054825.28	998856.13
POT	15+39.18	2054825.92	998921.18

PROP. CURVE P_ALBANY_3
PI STA. = 13+66.67
 Δ = 27° 17' 51" (LT)
D = 12° 27' 20"
R = 460.00'
T = 111.70'
L = 219.16'
E = 13.37'
P.C. STA. = 12+54.97
P.T. STA. = 14+74.13

1 REVISED SHEET 4/13/2026



USER NAME	- ysafo	DESIGNED	- TRANS	REVISED	- 4/7/2026
DRAWN	- TRANS	CHECKED	- TRANS	REVISED	-
PLOT SCALE	- 200.0000' / 1"	DATE	- 1/9/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES
ILLINOIS ROUTE 31

SCALE: 1"=100' SHEET 2 OF 5 SHEETS STA. 290+00 TO STA. 350+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,T5,SW	McHENRY	553	50
			CONTRACT NO. 80C85	

ILLINOIS FED. AID PROJECT



ALIGNMENT COORDINATES - SHAMROCK LANE			
SIDE STREET	STATION	N	E
POT	10+00	2057357.61	999121.59
PI	10+25.00	2057357.95	999146.59
PI	11+45.07	2057363.63	999266.52
POT	14+06.51	2057367.28	999527.94

PROP. CURVE P_IL31_S_34
PI STA. = 370+06.37
 Δ = 11° 58' 16" (LT)
D = 0° 23' 14"
R = 14,800.00'
T = 1,551.76'
L = 3,092.23'
E = 81.13'
P.C. STA. = 354+54.60
P.T. STA. = 385+46.83

ALIGNMENT COORDINATES - IL RTE. 31			
IL 31	STATION	N	E
PC	354+54.60	2056083.32	998962.32
PCC	385+46.83	2058974.35	1000043.58
PC / PT	392+00.00	2059614.31	1000172.64
PT	401+90.05	2060601.33	1000233.98

PROP. CURVE P_IL31_NORTH_1
PI STA. = 396+96.15
 Δ = 9° 27' 15" (LT)
D = 0° 57' 18"
R = 6,000.00'
T = 496.15'
L = 990.05'
E = 20.48'
P.C. STA. = 385+46.83
P.T. STA. = 401+90.05

PROJECT ENDS
STA. 397+00
COORDINATE WITH
CONTRACT 62U72

1 REVISED SHEET 4/13/2026



USER NAME	USERS	DESIGNED	TRANS	REVISED	4/9/2026
DRAWN	TRANS	REVIS			
PLOT SCALE	SSCALE\$	CHECKED	TRANS	REVISED	
PLOT DATE	SDATES	DATE	1/9/2026	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

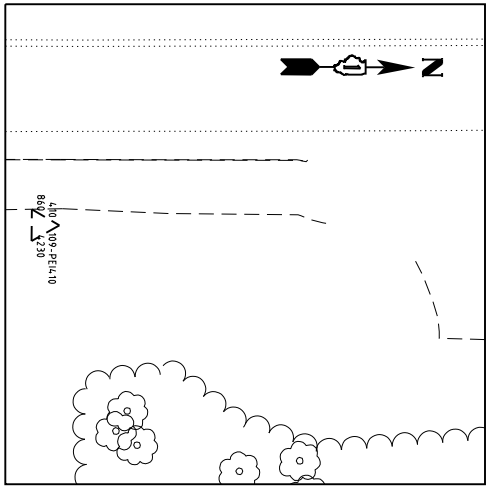
ALIGNMENT AND TIES
ILLINOIS ROUTE 31

SCALE: 1"=100' SHEET 3 OF 5 SHEETS STA. 350+00 TO STA. 409+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	51
				CONTRACT NO. 80C85

ILLINOIS FED. AID PROJECT

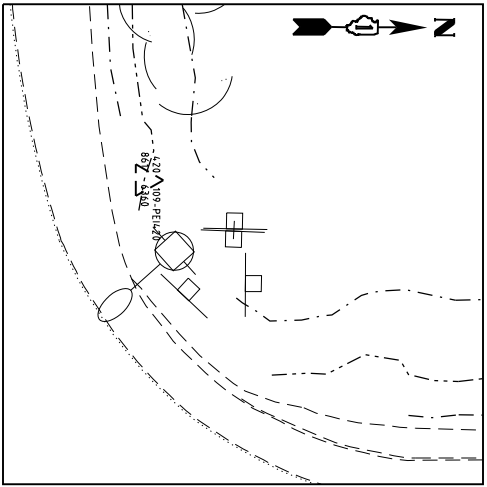
MODEL: Default
FILE NAME: p:\road\hdcopw\benh\by.com\hdcopw\hdcopw\DOT2127\0109.12_04.dgn\12.3_CADD\SHETS\CS-54\H-ATE-125-01.dgn



CONTROL POINT #410

FOUND #5 REBAR IN GRASS PARKWAY

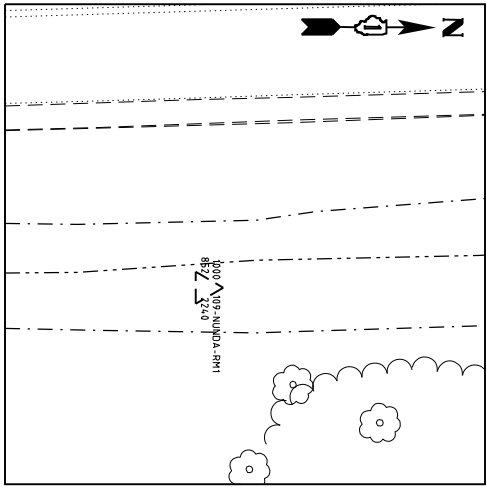
STA 243+97.50, 17.12' RT
N 2045517.495
E 996862.135
ELEV. 860.423



CONTROL POINT #420

FOUND GRASS PARKWAY IN #5 REBAR

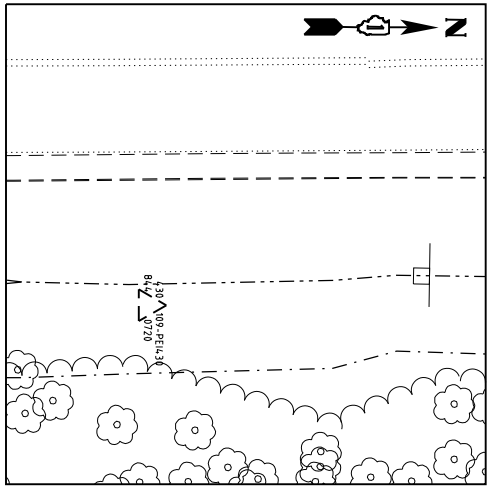
STA 252+85.76, 74.92' LT
N 2046404.806
E 996765.478
ELEV. 861.636



CONTROL POINT #1000

FOUND BRASS DISK IN NGS MONUMENT GRASS SWALE

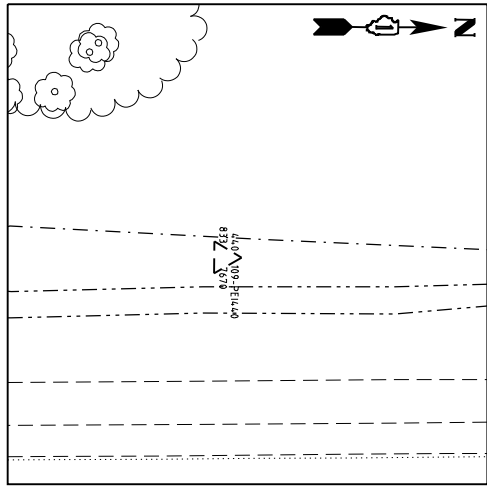
STA 257+74.27, 26.66' RT
N 2046895.23
E 996855.59
ELEV. 852.224



CONTROL POINT #430

FOUND #5 REBAR IN GRASS SWALE

STA 262+77.95, 38.33' RT
N 2047398.988
E 996841.805
ELEV. 844.072



CONTROL POINT #440

FOUND #5 REBAR IN GRASS SWALE

STA 272+83.73, 1.92' RT
N 2048401.811
E 996761.433
ELEV. 833.767



USER NAME	yrafo
DESIGNED	TRANS
DRAWN	TRANS
CHECKED	TRANS
DATE	1/9/2026

REVISED	4/7/2026
REVISED	
REVISED	
REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
ILLINOIS ROUTE 31

SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

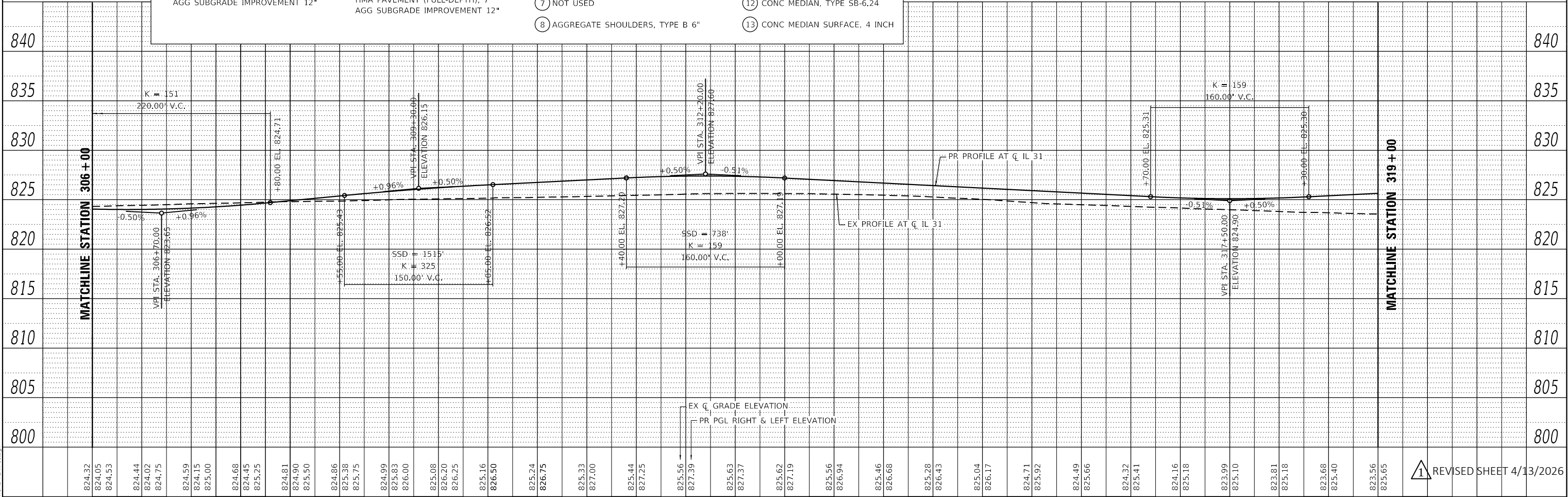
REVISION 1
REVISED SHEET 4/13/2026

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	52
CONTRACT NO.			80C85	
ILLINOIS			FED. AID PROJECT	

PLAN	SURVEYED PLOTTED	ALIGNED CHECKED	DATE
NOTE BOOK NO.			

PROFILE	SURVEYED PLOTTED	GRADES CHECKED	DATE
NOTE BOOK NO.			

MODEL: Default
FILE NAME: C:\SHR\ROAD\PLAN\B.dgn



PROPOSED ROADWAY LEGEND

- ① ILLINOIS ROUTE 31
PCC PAVEMENT 10" (JOINTED)
AGG SUBGRADE IMPROVEMENT 12"
- ② ALBANY STREET / PRIME PARKWAY
HMA PAVEMENT (FULL-DEPTH), 9 3/4"
AGG SUBGRADE IMPROVEMENT 12"

③ NOT USED

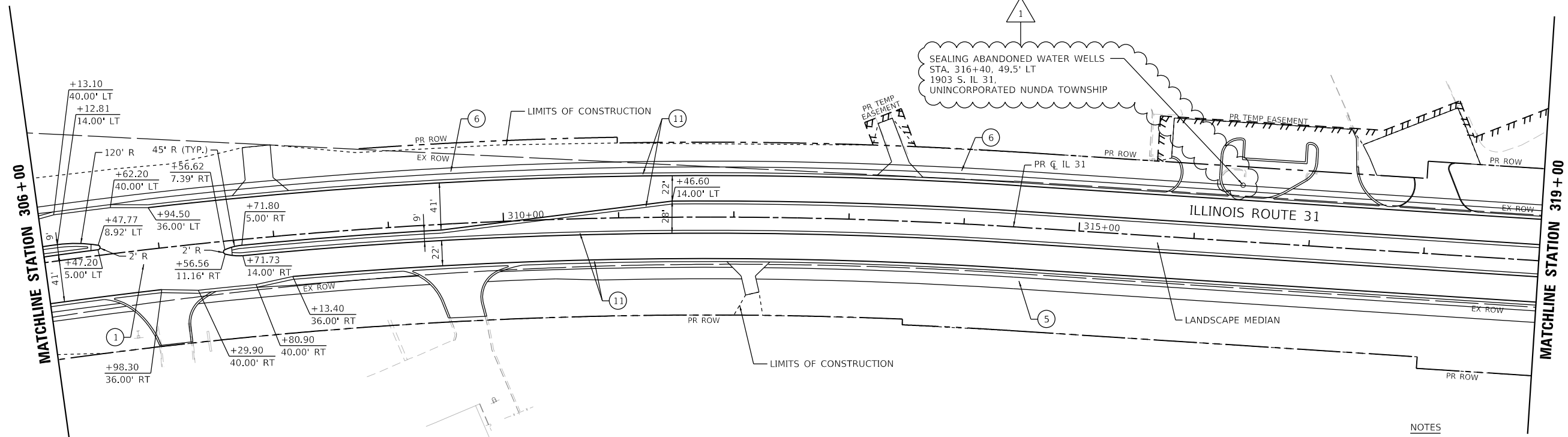
- ④ EDGEWOOD RD / SHAMROCK LN &
SIDE STREETS
HMA PAVEMENT (FULL-DEPTH), 7"
AGG SUBGRADE IMPROVEMENT 12"

- ⑤ MULTI-USE PATH
HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
HMA BIND CSE, IL-19.0, N50, 2 1/2"
SUBBASE GRANULAR MATERIAL, TYPE B 6"
- ⑥ PCC SIDEWALK 5 INCH
- ⑦ NOT USED
- ⑧ AGGREGATE SHOULDERS, TYPE B 6"

- ⑨ NOT USED
- ⑩ COMB CONC C&G, TYPE B-6.12
- ⑪ COMB CONC C&G, TYPE B-6.24
- ⑫ CONC MEDIAN, TYPE SB-6.24
- ⑬ CONC MEDIAN SURFACE, 4 INCH

NOTES

- FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
- FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLAN SHEETS.
- FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
- FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
- FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



MATCHLINE STATION 306+00

MATCHLINE STATION 319+00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' SHEET 16 OF 26 SHEETS STA. 306+00 TO STA. 319+00

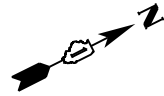
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	70
CONTRACT NO. 80C85				
ILLINOIS		FED. AID PROJECT		

① REVISED SHEET 4/13/2026

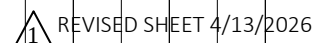
PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
NO. _____	R.M., NOTED _____		
	STRUCTURE NOTAT'NS CHKD _____		

1. NGPL REQUIRES THAT A NGPL REPRESENTATIVE BE ON SITE THE ENTIRE TIME ANY WORK IS BEING COMPLETED 25 FEET OR CLOSER TO THE PIPELINE. ANY DIGGING TWO FEET OR CLOSER TO THE PIPELINE MUST BE DONE BY SOFT TECHNIQUES, HAND OR HYDRO VACUUM. PIPELINE CROSSINGS MUST BE AT A MINIMUM OF 24 INCHES OF CLEARANCE AND CROSSINGS NEED TO BE VERIFIED WITH A POTTHOLE VIEWING WINDOW.

2. PLEASE PROTECT THE KM/NGPL EXISTING 24" PIPELINE CROSSING UNDER IL 31 FROM DAMAGE BY CONSTRUCTION OPERATIONS. PLEASE NOTIFY MARK CAVAZOS DO: 713.420.4363 C: 512.784.6771 72 HOURS IN ADVANCE OF ANY WORK IS BEING COMPLETED 25 FEET OR CLOSER TO THE PIPELINE.



1. FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
2. FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLAN SHEETS.
3. FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
4. FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
5. FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

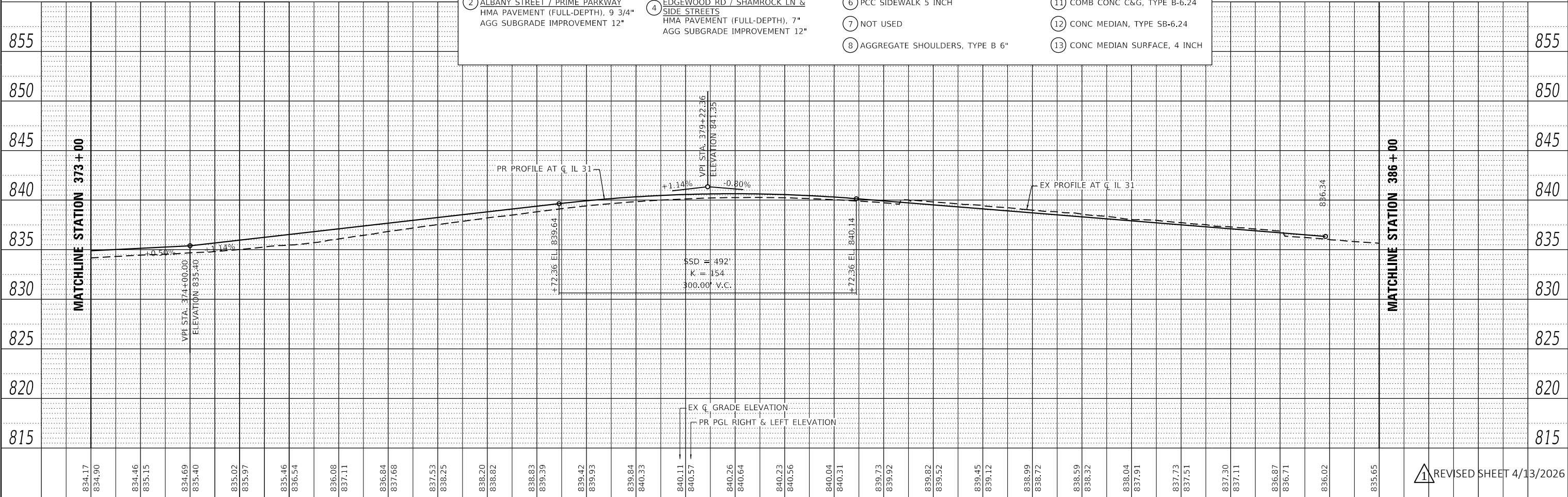


F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2 127-R,C,TS,SW	McHENRY	553	72
		CONTRACT NO. 80C85		
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES		
	NOTED		
	FILED		
	NO.		

MODEL: Default
FILE NAME: C:\SHR\ROAD\PLAN2.dgn



KINDER MORGAN NOTES

1. NGPL REQUIRES THAT A NGPL REPRESENTATIVE BE ON SITE THE ENTIRE TIME ANY WORK IS BEING COMPLETED 25 FEET OR CLOSER TO THE PIPELINE. ANY DIGGING TWO FEET OR CLOSER TO THE PIPELINE MUST BE DONE BY SOFT TECHNIQUES, HAND OR HYDRO VACUUM. PIPELINE CROSSINGS MUST BE AT A MINIMUM OF 24 INCHES OF CLEARANCE AND CROSSINGS NEED TO BE VERIFIED WITH A POTTHOLE VIEWING WINDOW.

2. PLEASE PROTECT THE KM/NGPL EXISTING 24" PIPELINE CROSSING UNDER IL 31 FROM DAMAGE BY CONSTRUCTION OPERATIONS. PLEASE NOTIFY MARK CAVAZOS O: 713.420.4363 C: 512.784.6771 72 HOURS IN ADVANCE OF ANY WORK IS BEING COMPLETED 25 FEET OR CLOSER TO THE PIPELINE.



PROPOSED ROADWAY LEGEND			
1	ILLINOIS ROUTE 31	3	NOT USED
2	ALBANY STREET / PRIME PARKWAY	4	EDGEWOOD RD / SHAMROCK LN & SIDE STREETS
5	PCC PAVEMENT 10" (JOINTED)	5	MULTI-USE PATH
6	AGG SUBGRADE IMPROVEMENT 12"	6	HMA SURF CSE, IL-9.5, MIX "D", N50, 1 1/2"
7		7	HMA BIND CSE, IL-19.0, N50, 2 1/2"
8		8	SUBBASE GRANULAR MATERIAL, TYPE B 6"
9		9	NOT USED
10		10	COMB CONC C&G, TYPE B-6.12
11		11	COMB CONC C&G, TYPE B-6.24
12		12	CONC MEDIAN, TYPE SB-6.24
13		13	CONC MEDIAN SURFACE, 4 INCH

- NOTES
- FOR DETAILS ON INTERSECTIONS, SEE INTERSECTION DETAILS AND JOINTING PLAN SHEETS.
 - FOR SIDEWALKS, MULTI-USE PATH, & DRIVEWAYS, SEE SIDEWALK / MULTI-USE PATH / DRIVEWAY DETAILS PLAN SHEETS.
 - FOR ADA RAMP DETAILS, SEE ADA PLANS AND DETAILS SHEETS.
 - FOR RETAINING WALL DETAILS, SEE STRUCTURAL PLAN SHEETS.
 - FOR DETAILS ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

MATCHLINE STATION 373+00

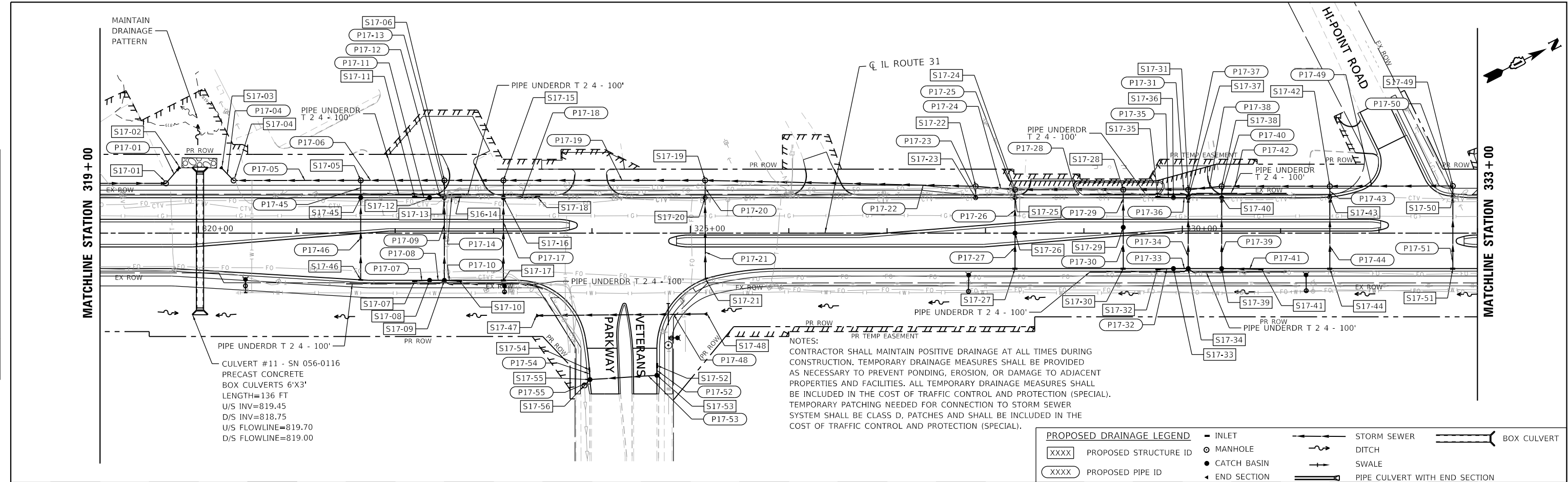
MATCHLINE STATION 386+00

USER NAME = c0012				DESIGNED - EJB				REVISED - 4/8/2026			
PLOT SCALE = 100,000' / in.				CHECKED - NJS				REVISED - REVBY3			
PLOT DATE = 4/8/2026				DATE - 1/9/2026				REVISED - REVBY4			

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ROADWAY PLAN AND PROFILE ILLINOIS ROUTE 31				F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.			
SCALE: 1"=50'				SHEET 21 OF 26 SHEETS				336A 2025-2127-R,C,TS,SW McHENRY 553 75			
STA. 373+00 TO STA. 386+00				CONTRACT NO. 80C85				ILLINOIS FED. AID PROJECT			

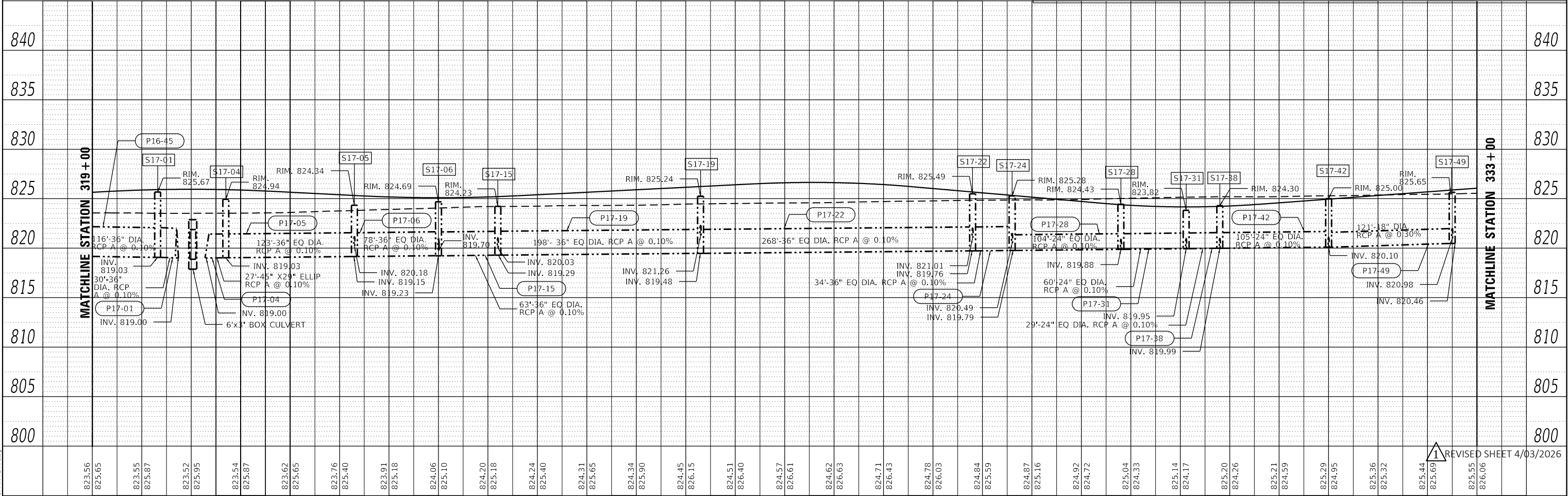
PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED		
	FILE NAME		
	CADD FILE NAME		

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



NOTES:
CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING CONSTRUCTION. TEMPORARY DRAINAGE MEASURES SHALL BE PROVIDED AS NECESSARY TO PREVENT PONDING, EROSION, OR DAMAGE TO ADJACENT PROPERTIES AND FACILITIES. ALL TEMPORARY DRAINAGE MEASURES SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL). TEMPORARY PATCHING NEEDED FOR CONNECTION TO STORM SEWER SYSTEM SHALL BE CLASS D, PATCHES AND SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

PROPOSED DRAINAGE LEGEND			
XXXX	PROPOSED STRUCTURE ID	INLET	STORM SEWER
XXXX	PROPOSED PIPE ID	MANHOLE	DITCH
		CATCH BASIN	SWALE
		END SECTION	PIPE CULVERT WITH END SECTION



MODEL: Default
FILE NAME: C:\SHT\DRAIN\PLANS\PLAN5.dgn

HRGreen.com
Illinois Professional Design Firm
#184-001322

USER NAME	= mzuzzio
PLOT SCALE	= 100,0000' / in.
PLOT DATE	= 3/23/2026

DESIGNED	- DMS
DRAWN	- HRG
CHECKED	- TEH
DATE	- 1/9/2026

REVISED	- REVBY1
REVISED	- REVBY2
REVISED	- REVBY3
REVISED	- REVBY4

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

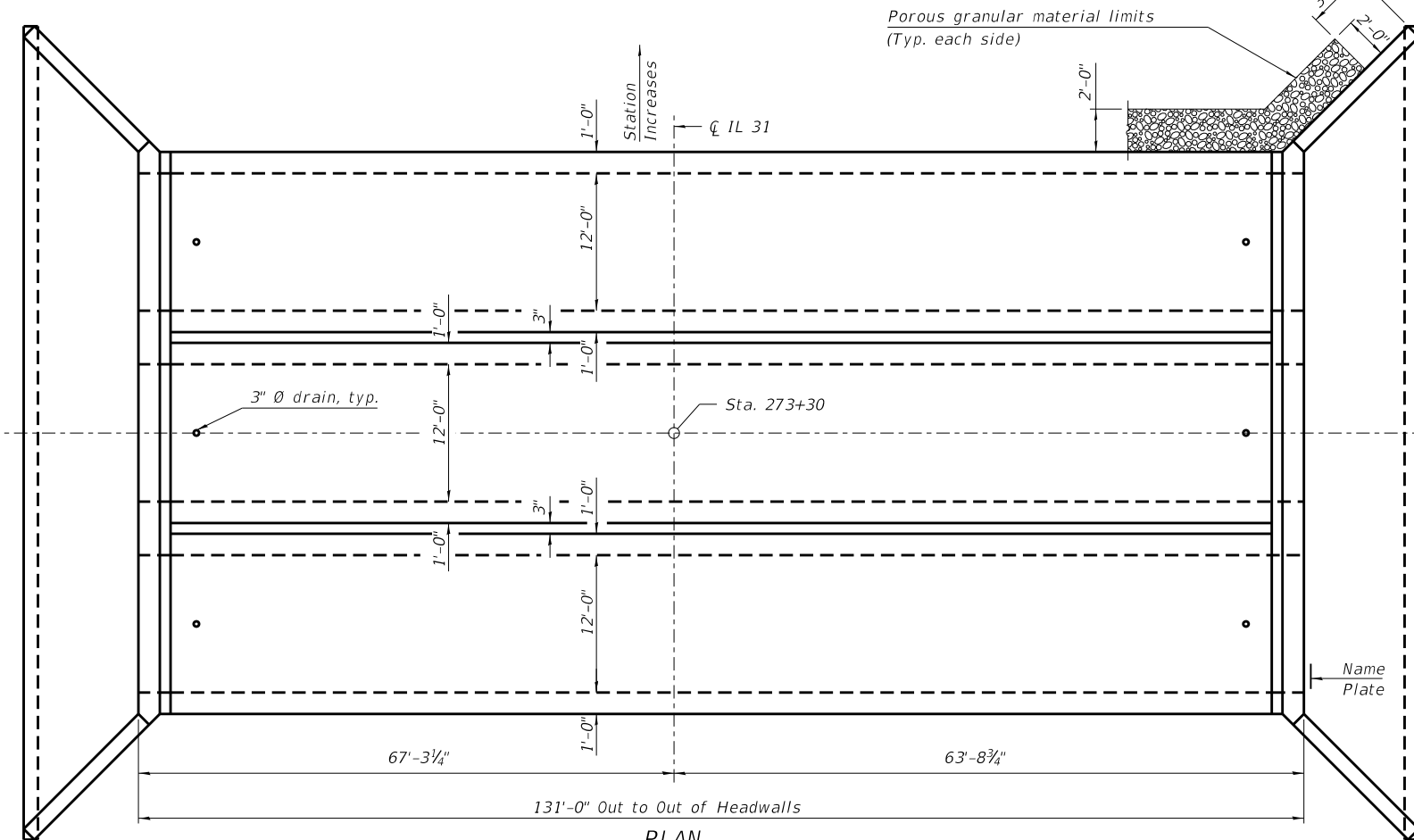
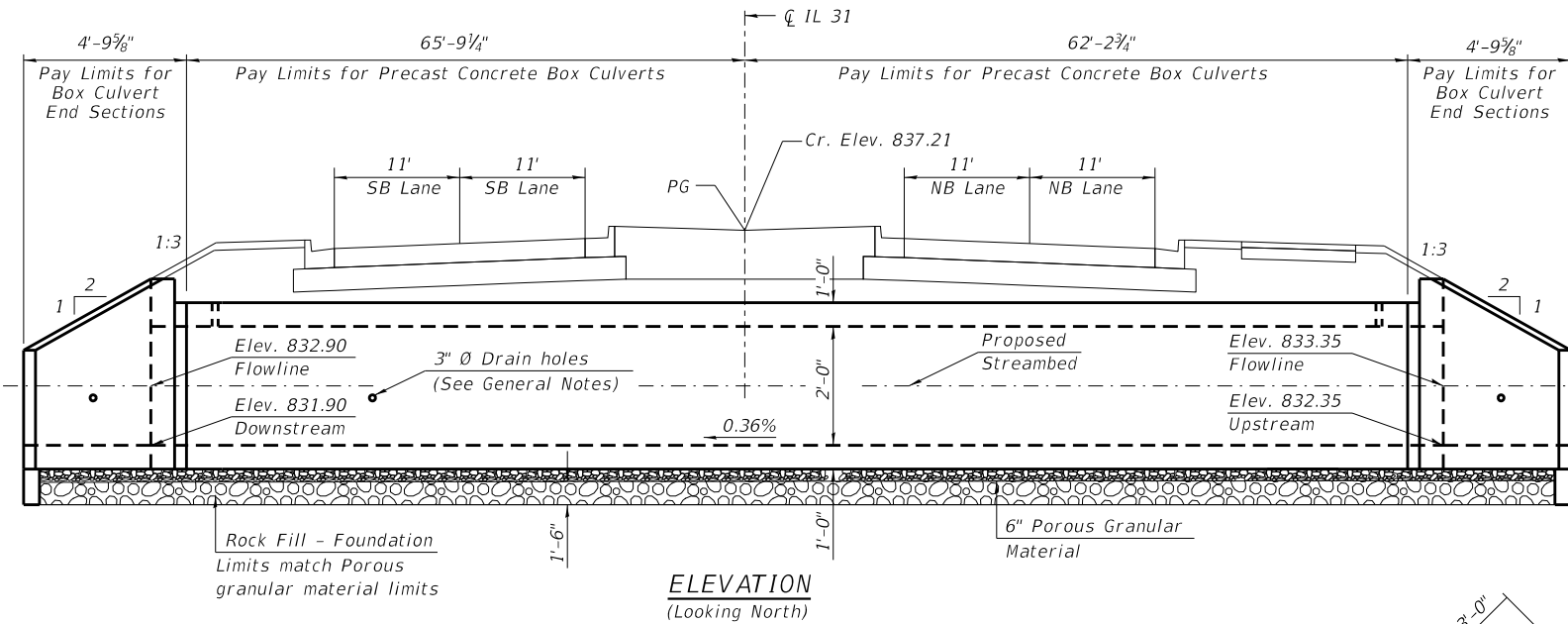
DRAINAGE PLAN AND PROFILE
ILLINOIS ROUTE 31

SCALE: 1"=50' SHEET 17 OF 26 SHEETS STA. 319+00 TO STA. 333+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	264
CONTRACT NO. 80C85				
ILLINOIS FED. AID PROJECT				

REVISD SHEET 4/03/2026

Existing Structure: None



WATERWAY INFORMATION

Existing Overtopping Elev. = 835.0 at Sta. 275+00									
Proposed Overtopping Elev. = 837.2 at Sta. 276+00									
Flood	Freq.	Q		Nat.	Head - Ft.		Headwater El.		
		C.F.S.	Opening		Exist.	Prop.	Exist.	Prop.	
	10	46.5	2.2	12.6	833.7	1.4	0.6	835.1	834.3
Design	50	67.9	3.0	27.0	834.1	1.1	1.0	835.2	835.1
Base	100	77.4	3.0	30.6	834.2	1.0	1.2	835.2	835.4
Overtop Existing	10<	16.6	2.2	n/a	833.7	1.3	n/a	835.0	n/a
Overtop Proposed	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Max. Calc.									

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

PRECAST UNITS

f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Reinforcement)

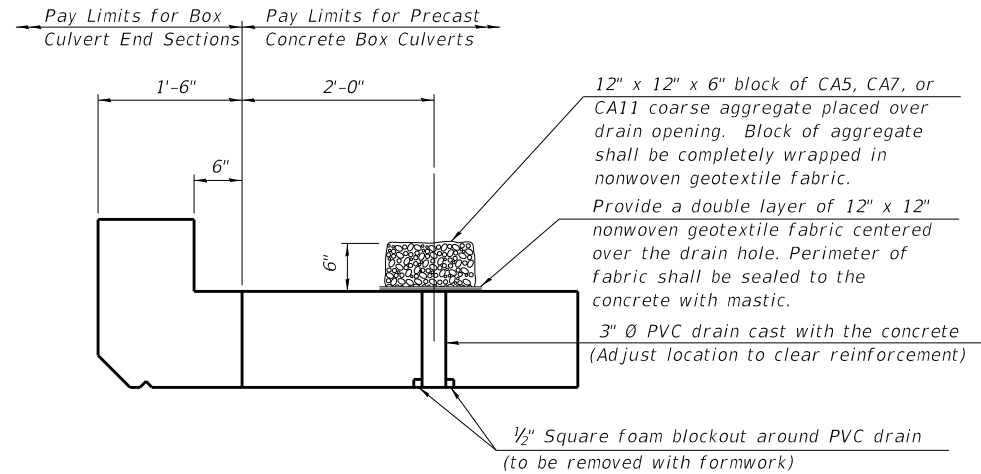
GENERAL NOTES

The design fill height for this box is 2.1 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

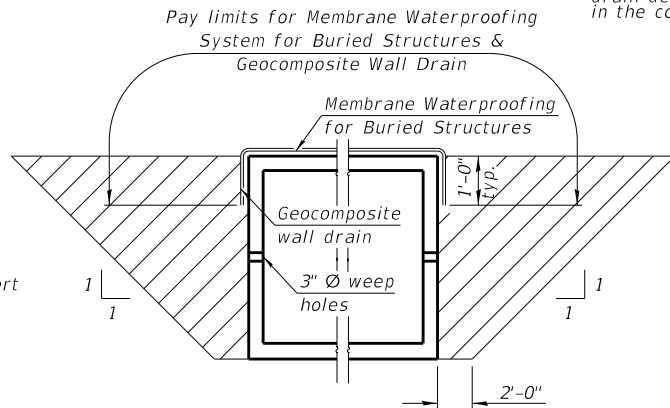
Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



PAY LIMITS FOR POROUS GRANULAR EMBANKMENT

(Hatched area)

Note:

See Multi-Cell Precast Concrete Box
Apron End Section Details sheets for
end section details.

PROFILE GRADE

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 8	Each	2
Precast Concrete Box Culverts, 12'x2'	Foot	128
Porous Granular Embankment	Cu. Yd.	351.2
Waterproofing Membrane System for Buried Structures	Sq. Yd.	638
Geocomposite Wall Drain	Sq. Yd.	638
Rock Fill - Foundation	Ton	644

GENERAL PLAN AND ELEVATION

IL RTE. 31 OVER DRAINAGEWAY

F.A.P. RTE. 336A

McHENRY COUNTY

STATION 273+30.00

S.N. 056-0114

STATION 273+30.00
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 336A SEC. 2019-196-W&R
LOADING HL-93
STR. NO. 056-0114

NAME PLATE

See Std. 515001

REVISD SHEET 4/03/2026

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
S.N. 056-0114

SHEET NO. 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	285
CONTRACT NO. 80C85				

ILLINOIS FED. AID PROJECT

HRG PROJECT NO.: #PROJ0108
HRG PROJ. CONTACT: #HRG0108
FILE NAME: C3-SHT-DRAIN-CULV-08-001-SN-056-0114.dgn
PLOT DRIVER: #PLOT.DRV
PEN TABLE: #PEN.TABLE

HRGreen.com
#Inds Professional Design Firm
#184-001322

USER NAME = mzuzlo
DESIGNED -
CHECKED -
PLOT SCALE =
PLOT DATE = 3/23/2026

DESIGNED -
CHECKED -
DRAWN -
CHECKED -

REVISED -
REVISED -
REVISED -
REVISED -

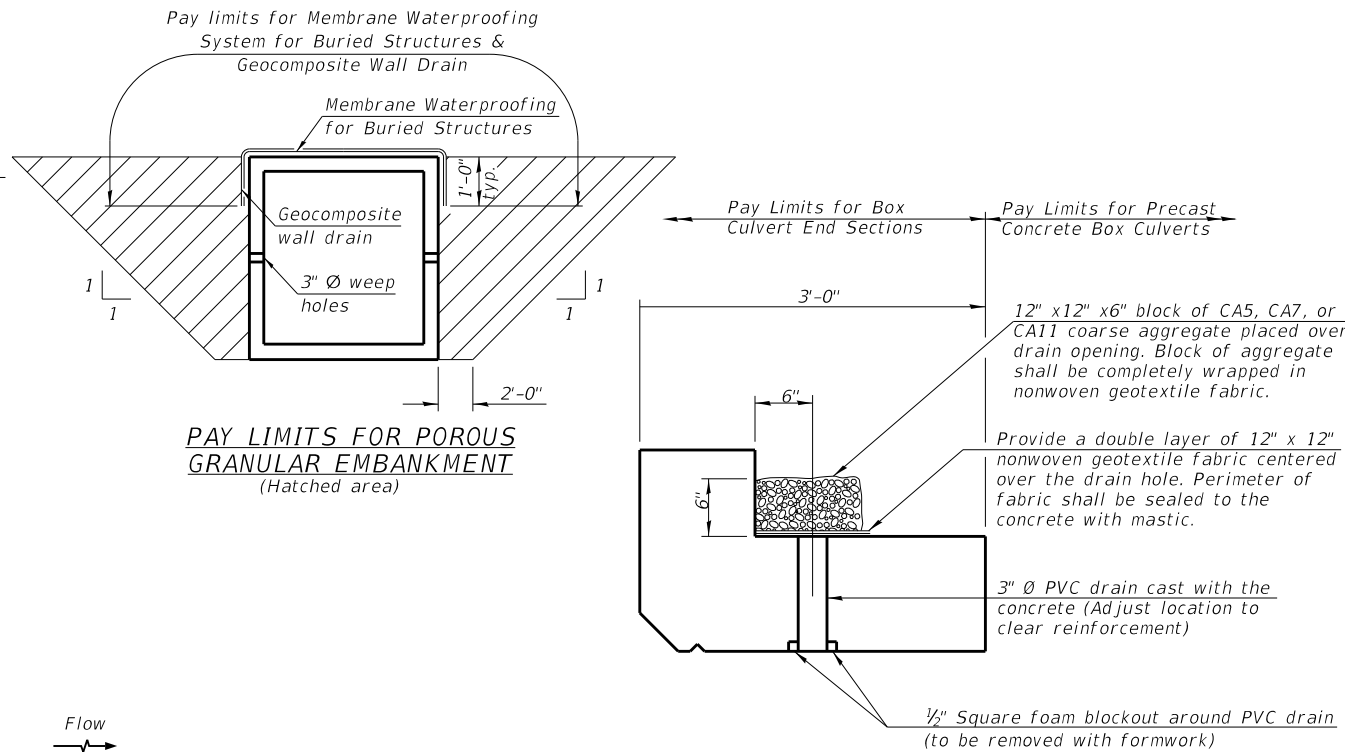
GENERAL NOTES

The design fill height for this box is 2.0 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

Allow 50#/sq.ft. for future wearing surface.

DESIGN STRESSES

PRECAST UNITS

f'_c = 5,000 psi
 f_y = 65,000 psi (Welded Wire Reinforcement)

Note:
See Single Cell Precast Concrete Box Culvert
Apron End Section Details sheets
for end section details.

NAME PLATE
See Std. 515001

DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 9	Each	2
Precast Concrete Box Culverts, 8'x5'	Foot	152
Porous Granular Embankment	Cu. Yd.	128.5
Waterproofing Membrane System for Buried Structures	Sq. Yd.	196
Geocomposite Wall Drain	Sq. Yd.	196

GENERAL PLAN AND ELEVATION

IL RTE. 31 OVER DRAINAGEWAY

F.A.P RTE. 336A

McHENRY COUNTY

STATION 287+95.00

S.N. 056-0322

REVISD SHEET 4/03/2026

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

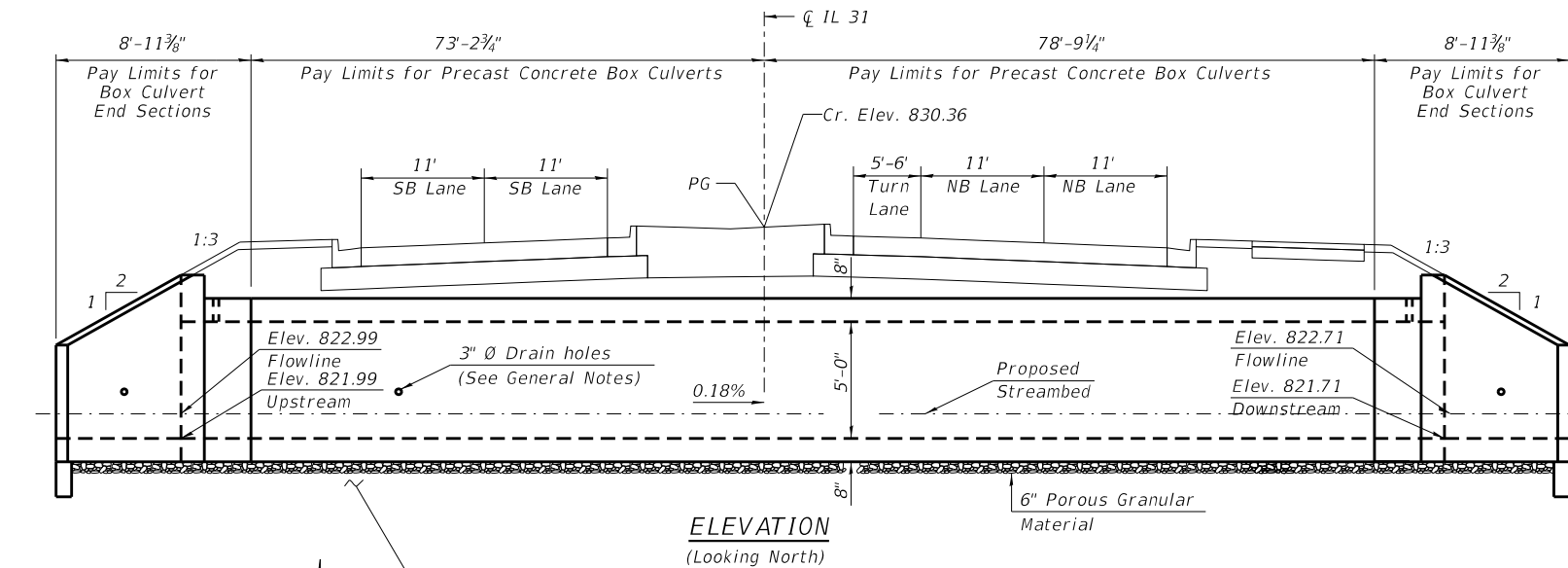
GENERAL PLAN AND ELEVATION
S.N. 056-0322

SHEET NO. 2 OF 5 SHEETS

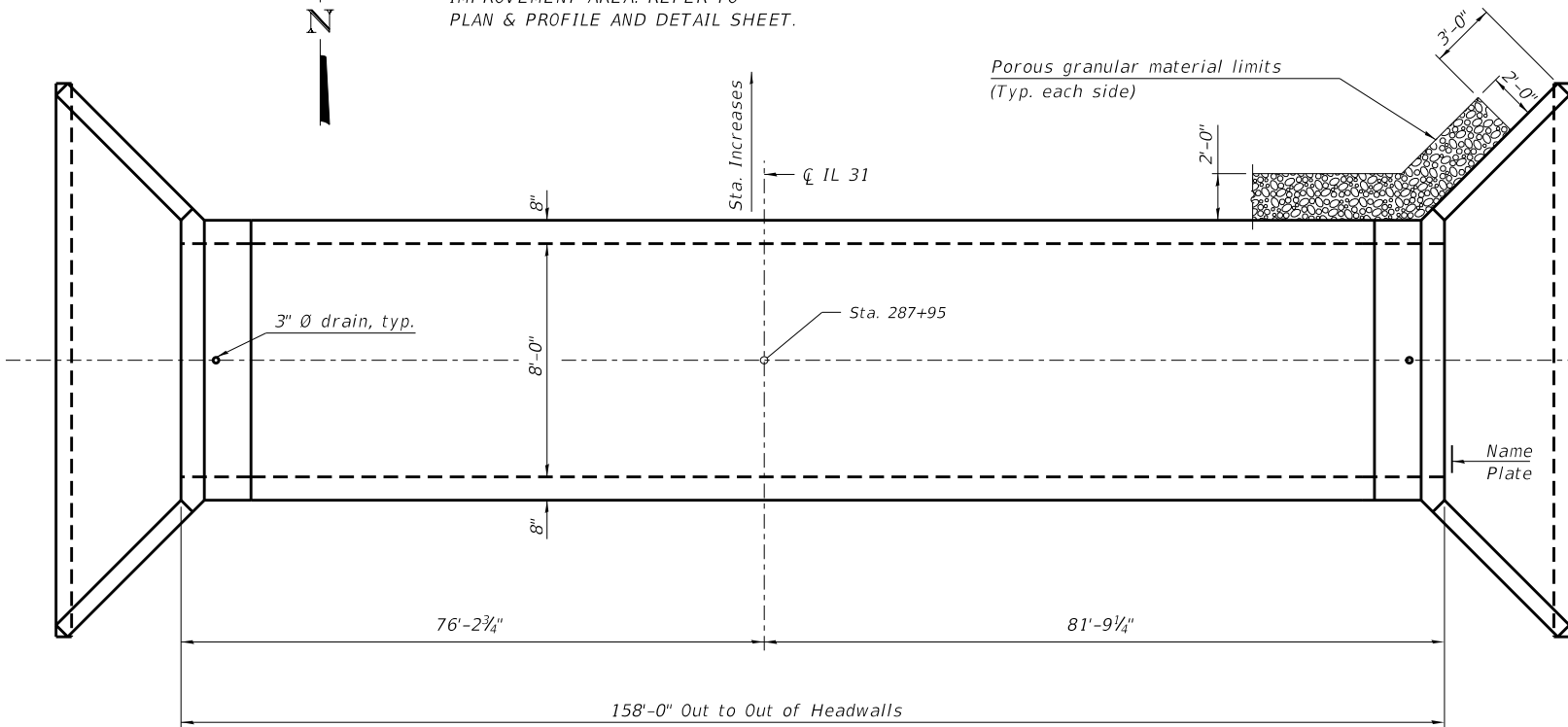
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	286
				CONTRACT NO. 80C85

ILLINOIS FED. AID PROJECT

Existing Structure: None



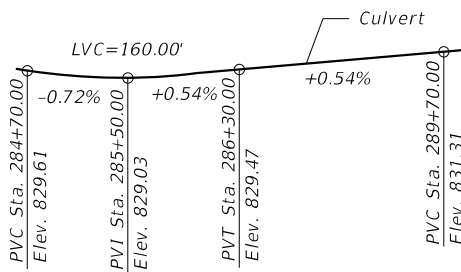
ELEVATION
(Looking North)



PLAN

WATERWAY INFORMATION

Existing Overtopping Elev. = 825.76 at Sta. 285+78 Proposed Overtopping Elev. = 829.28 at Sta. 285+61									
Drainage Area = 134 Acres									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.	Exist.	Prop.	
Design	10	54.2	6.14	12.2	824.51	1.97	0.72	826.48	825.23
Base	50	108.8	6.14	13.3	824.65	2.03	1.75	826.68	826.40
Overtop Existing	100	150.4	6.14	14.0	824.74	2.03	2.41	826.77	827.15
Overtop Proposed	10<	45.1	6.14	n/a	824.46	1.79	n/a	826.25	n/a
Max. Calc.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a



PROFILE GRADE

HRG PROJECT NO.: #PROJ0108
HRG PROJ. CONTACT: #HRG0148
FILE NAME: C3-SHT-DRM-CULV-9-0e1-SN-056-0322.dgn
PLOT DRIVER: #PLOT.DRV
PEN TABLE: #PEN.TABLE

HRGreen.com
HRGreen
#184-001322

USER NAME = mzuzlo	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 3/23/2026	DRAWN -	REVISED -
	CHECKED -	REVISED -

[illegible][illegible]

Profile view diagram of a 160-foot culvert. The diagram shows a vertical curve with three points: VPC at station 304+70.00 (elevation 824.65), PVI at station 305+50.00 (elevation 824.25), and VPT at station 306+30.00 (elevation 824.65). The curve has a -0.50% grade before the PVI and a +0.50% grade after the PVI. A culvert structure is shown crossing the curve, with its length labeled as LVC=160.00'.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,T,S,SW	McHENRY	553	287
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	

HRG PROJECT NO.: \$PROJECTNO\$
 HRG PROJ. CONTACT: \$HRGPM\$
 FILE NAME: C3-SHT-DRAIN-Culv10-Def-SW-056-0115.dgn
 PLOT DRIVER: \$PLT.DRV\$
 PEN TABLE: \$PEN.TABLE\$

GENERAL NOTES

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

Allow 50#/sq. ft. for future wearing surface.

PRECAST UNITS

$$\begin{aligned} f'_c &= 5,000 \text{ psi} \\ f_y &= 65,000 \text{ psi} \quad (\text{Welded Wire Reinforcement}) \end{aligned}$$

*Note:
See Single Cell Precast Concrete Box
Culvert Apron End Section Details sheets
for end section details.*

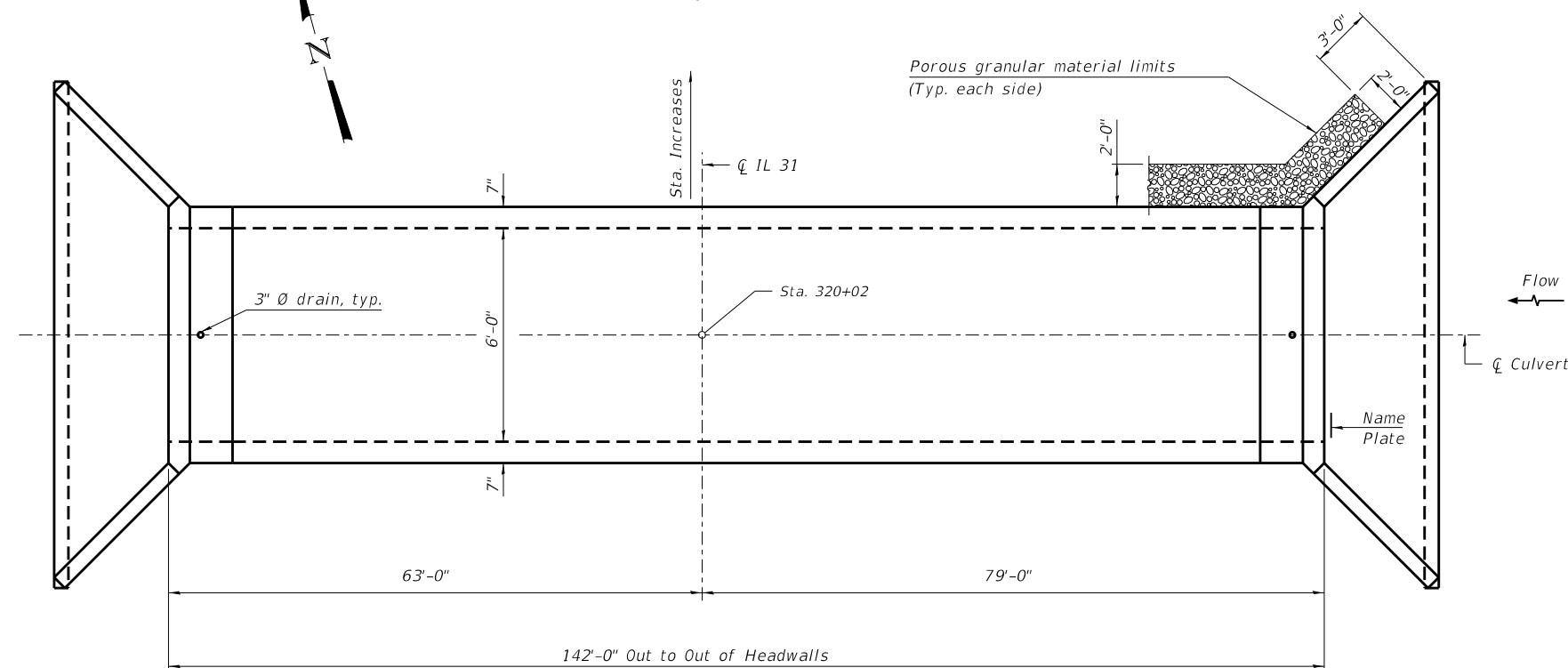
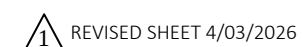
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

ITEM	UNIT	TOTAL
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 11	Each	2
Precast Concrete Box Culverts, 6'x3'	Foot	136
Porous Granular Embankment	Cu. Yd.	93.3
Waterproofing Membrane System for Buried Structures	Sq. Yd.	143
Geocomposite Wall Drain	Sq. Yd.	143
Rock Fill - Foundation	Ton	121

IL RTE. 31 OVER DRAINAGEWAY

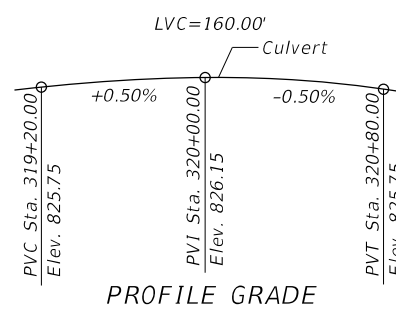
McHENRY COUNTY

S.N. 056-0116



PLAN

WATERWAY INFORMATION

[illegible]

STATION 320+02.00
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 336A SEC. 2019-196-W&P
LOADING HL-93
STR. NO.

NAME PLATE

See Std. 515001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
S.N. 056-0116

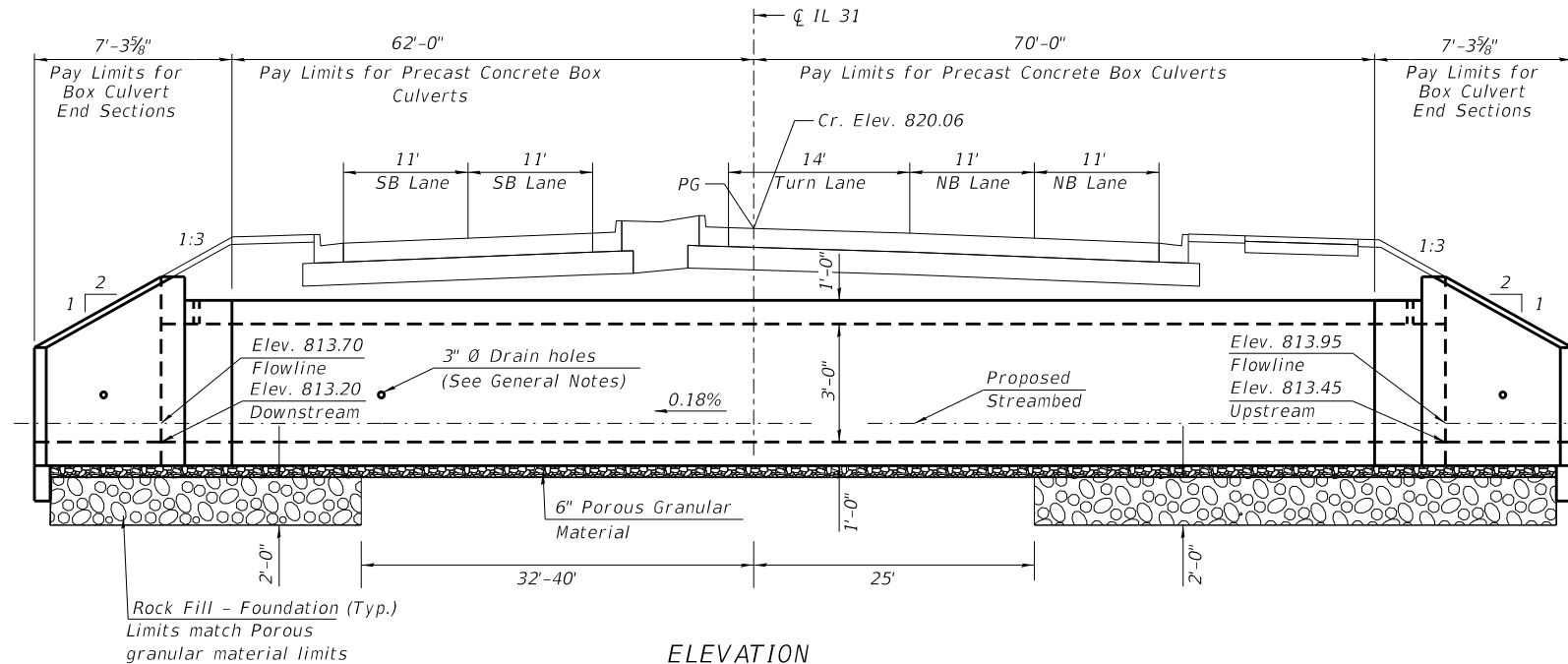
SHEET NO. 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,T,S,SW	McHENRY	553	288
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	

ILLINOIS		FED. AID PROJECT
----------	--	------------------

HRG PROJECT NO.: \$PROJECTNO\$
 HRG PROJ. CONTACT: \$HRGPM\$
 FILE NAME: C3-SHT-DRAIN-Culvill-Det-SN-056-0116.dgn
 PLOT DRIVER: \$PLT.DRV\$
 PEN TABLE: \$PEN.TABLE\$

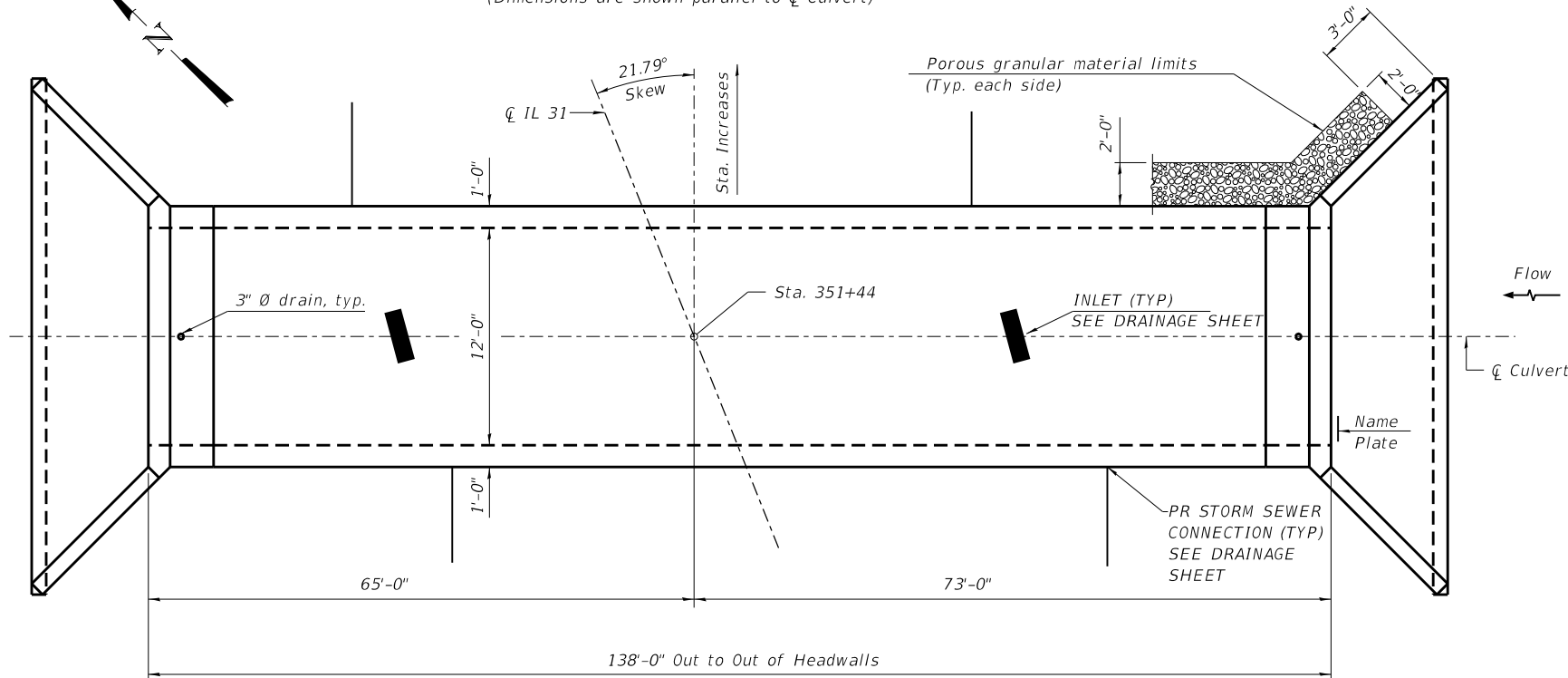
Existing Structure: None



ELEVATION

(Looking North)

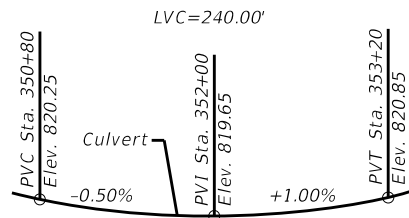
(Dimensions are shown parallel to $\bar{C}$ Culvert)



PLAN

WATERWAY INFORMATION

Existing Overtopping Elev. = 819.6 at Sta. 349+95 Proposed Overtopping Elev. = 820.5 at Sta. 351+50									
Drainage Area = 36.1 Acres									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.	Exist.	Prop.	Exist.
Design	10	87.9	1.5	28.2	816.8/815.8	2.8	0.5	819.6	816.3
Base	50	128.2	1.9	31.8	817.0/816.1	2.6	0.7	819.6	816.8
Overtop Existing	100	146.3	2.1	34.2	817.1/816.3	2.5	1.0	819.6	817.3
Overtop Proposed	10<	23.2	1.5	n/a	816.8/815.8	2.8	n/a	819.6	n/a
Max. Calc.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a



PROFILE GRADE

STATION 351+44.00
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 336A SEC. 2019-196-W&R
LOADING HL-93
STR. NO. 056-0117

NAME PLATE
See Std. 515001

Note:
See Single Cell Precast Concrete Box Culvert Apron End Section Details sheets for end section details.

GENERAL PLAN AND ELEVATION IL RTE. 31 OVER DRAINAGEWAY

F.A.P. RTE. 336A

McHENRY COUNTY

STATION 351+44.00

S.N. 056-0117

REVISED SHEET 4/03/2026

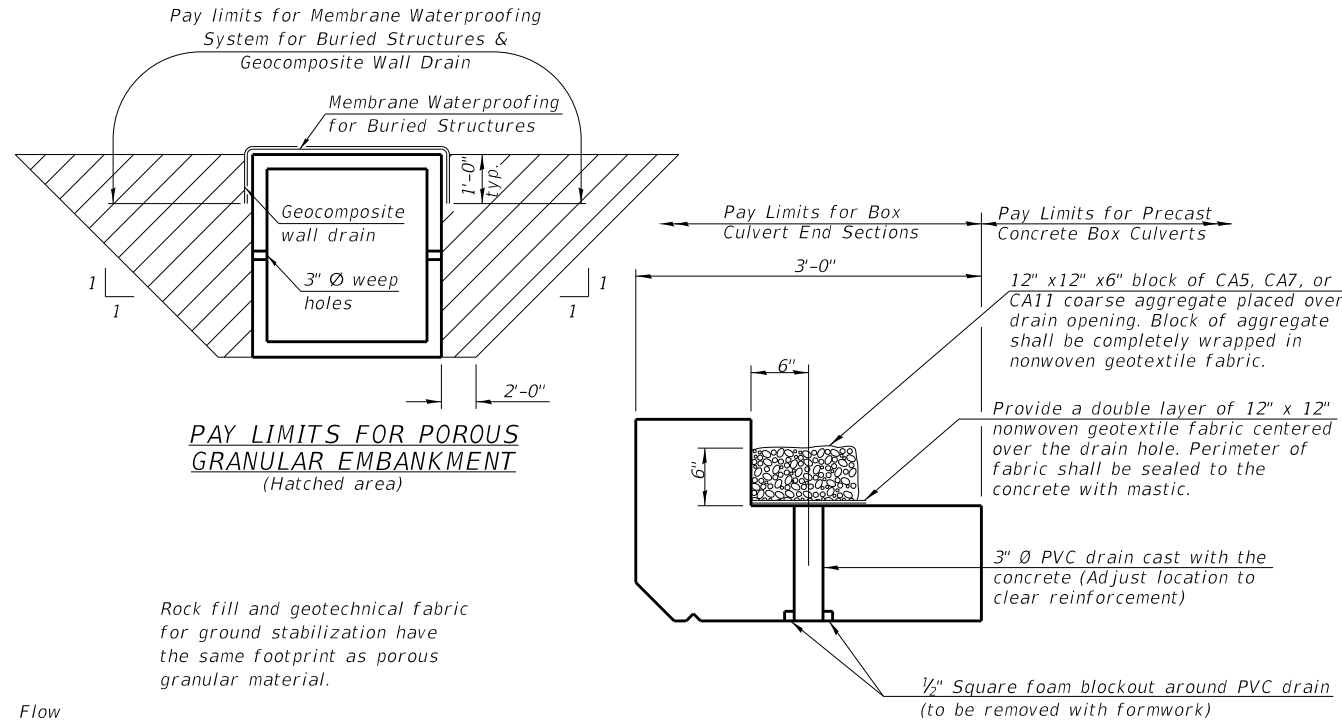
GENERAL NOTES

The design fill height for this box is 1.89 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



PAY LIMITS FOR POROUS GRANULAR EMBANKMENT (Hatched area)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

PRECAST UNITS

f'_c = 5,000 psi
 f_y = 65,000 psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 12	Each	2
Precast Concrete Box Culverts, 12'x3'	Foot	132
Porous Granular Embankment	Cu. Yd.	146.6
Waterproofing Membrane System for Buried Structures	Sq. Yd.	242
Geocomposite Wall Drain	Sq. Yd.	242
Rock Fill - Foundation	Ton	210

HRG PROJECT NO.: #PROJECT108
HRG PROJ. CONTACT: #HRGPAH
FILE NAME: C3-SHT-DRAIN-CULV2-0e1-SN-056-0117.dgn
PLOT DRIVER: #PLOT.DRV\$
PEN TABLE: #PEN.TABLE\$

HRGreen.com
#184-001322

USER NAME = mzuzlo	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 3/23/2026	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
S.N. 056-0117

SHEET NO. 5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	289
				CONTRACT NO. 80C85

ILLINOIS FED. AID PROJECT

TS SHT NO.
MODEL: 310DELNAME\$
FILE NAME: 311E13



USER NAME = \$USERS	DESIGNED - BT	REVISED -
	DRAWN - AP	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - 1/9/2026	REVISED -
PLOT DATE = \$DATES	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

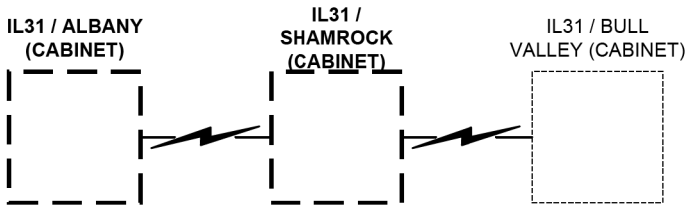
FIBER SPLICING DIAGRAM ILLINOIS ROUTE 31			
SCALE: NTS	SHEET	OF SHEETS	STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	441
CONTRACT NO. 80C85				
ILLINOIS		FED. AID PROJECT		

1 REVISED SHEET 4/03/2026

	DESIGNED - AG	REVISED -	ILLINOIS DEPARTMENT OF TRANSPORTATION 80C85	FIBER SPLICING DIAGRAM 1 TEMP			ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
	DRAWN - AG	REVISED -								F1	
	CHECKED - DG	REVISED -									
	DATE 2026.03.25	REVISED -									
				SCALE N/A							

TEMP



-
- EXISTING CONNECTOR /
EXISTING FIBER
- NEW CONNECTOR /
EXISTING FIBER
- EXISTING FUSION SPLICE /
EXISTING FIBER
- NEW FUSION SPLICE /
EXISTING FIBER
- NEW CONNECTOR /
NEW FIBER
- NEW FUSION SPLICE /
NEW FIBER
- NEW WIRELESS
INTERCONNECT

PARSONS

TS SHT NO.

MODEL: 810DELNAME\$
FILE NAME: 811CLS



USER NAME = \$USERS	DESIGNED - BT	REVISED -
	DRAWN - AP	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - 1/9/2026	REVISED -
PLOT DATE = \$DATES	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

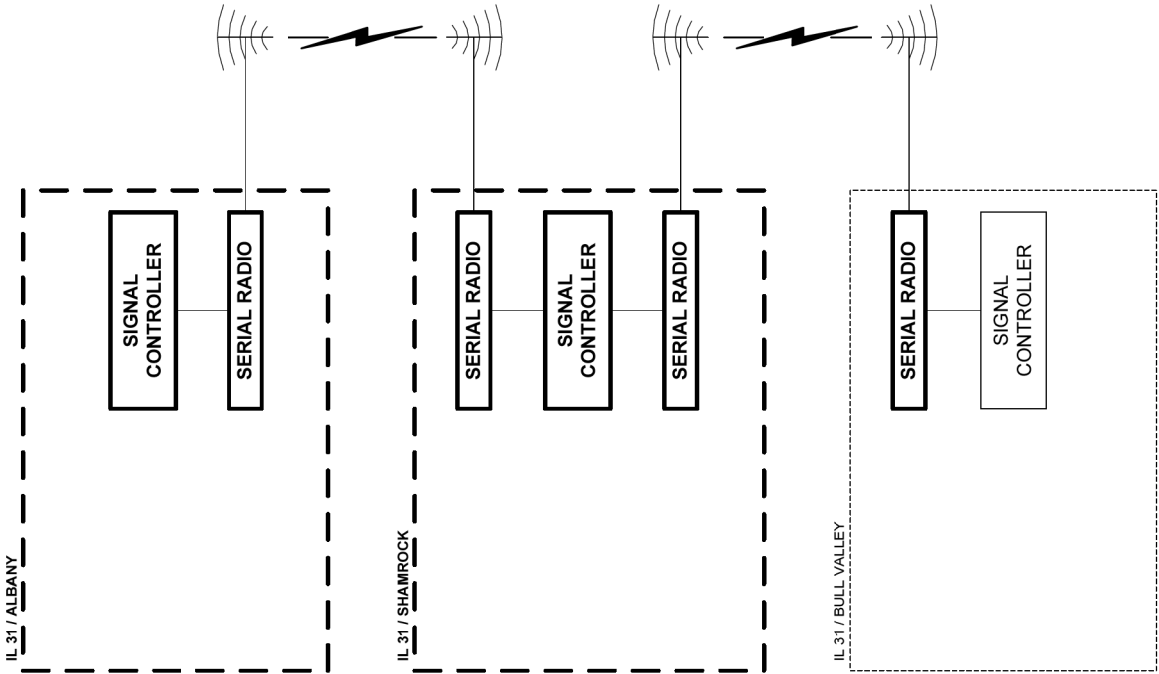
CABINET DETAIL ILLINOIS ROUTE 31			
SCALE: NTS	SHEET	OF SHEETS	STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	442
CONTRACT NO. 80C85				
		ILLINOIS	FED. AID PROJECT	

1 REVISED SHEET 4/03/2026

TEMP

	DESIGNED - AG	REVISED -	ILLINOIS DEPARTMENT OF TRANSPORTATION 80C85	CABINET DETAIL IL31 TEMP			ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
	DRAWN - AG	REVISED -								CD1	
	CHECKED - DG	REVISED -									
	DATE 2026.03.25	REVISED -									



PARSONS

TS SHT NO.
MODEL: \$MODELNAME\$
FILE NAME: \$FILES\$



USER NAME = \$USERS	DESIGNED - BT	REVISED -
	DRAWN - AP	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - 1/9/2026	REVISED -
PLOT DATE = \$DATES	DATE -	REVISED -

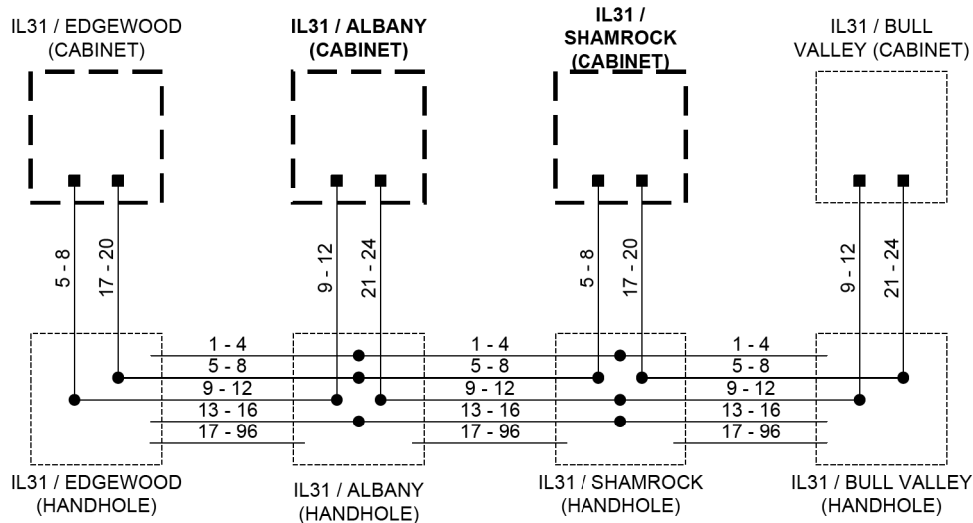
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM 1 ILLINOIS ROUTE 31			
SCALE: NTS	SHEET	OF SHEETS	STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	442A
CONTRACT NO. 80C85				
ILLINOIS		FED. AID PROJECT		

PARSONS

	EXISTING CONNECTOR / EXISTING FIBER
	NEW CONNECTOR / EXISTING FIBER
	EXISTING FUSION SPLICE / EXISTING FIBER
	NEW FUSION SPLICE / EXISTING FIBER
	NEW CONNECTOR / NEW FIBER
	NEW FUSION SPLICE / NEW FIBER
	NEW WIRELESS INTERCONNECT



PROPOSED

	DESIGNED - AG	REVISED -	ILLINOIS DEPARTMENT OF TRANSPORTATION 80C85	FIBER SPLICING DIAGRAM 1	ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
	DRAWN - AG	REVISED -						F1	
	CHECKED - DG	REVISED -							
	DATE 2026.03.25	REVISED -			SCALE N/A				

1 ADDED ENTIRE SHEET 4/03/2026

TS SHT NO.

MODEL: 810DELNAME\$
FILE NAME: 811E13



USER NAME = \$USERS	DESIGNED - BT	REVISED -
	DRAWN - AP	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - 1/9/2026	REVISED -
PLOT DATE = \$DATES	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

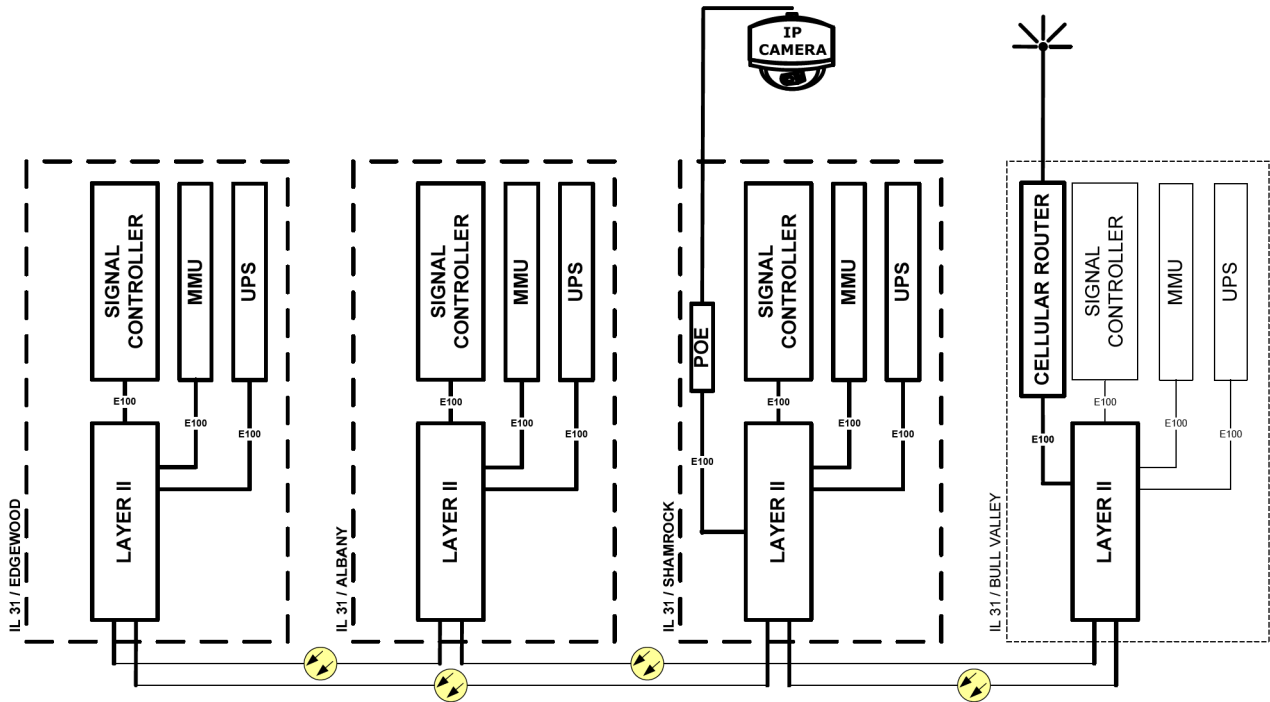
CABINET DETAIL ILLINOIS ROUTE 31			
SCALE: NTS	SHEET	OF SHEETS	STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336A	2025-2127-R,C,TS,SW	McHENRY	553	442B
		CONTRACT NO. 80C85		
		ILLINOIS	FED. AID PROJECT	

1 ADDED ENTIRE SHEET 4/03/2026

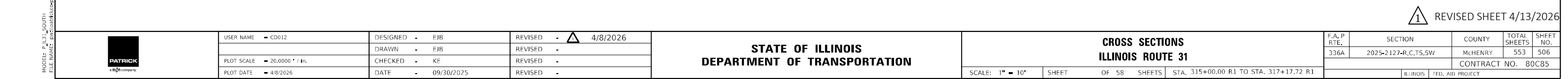
	DESIGNED - AG	REVISED -	ILLINOIS DEPARTMENT OF TRANSPORTATION 80C85	CABINET DETAIL IL31			ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
	DRAWN - AG	REVISED -								CD1	
	CHECKED - DG	REVISED -									
	DATE 2026.03.25	REVISED -									

PROPOSED



PARSONS

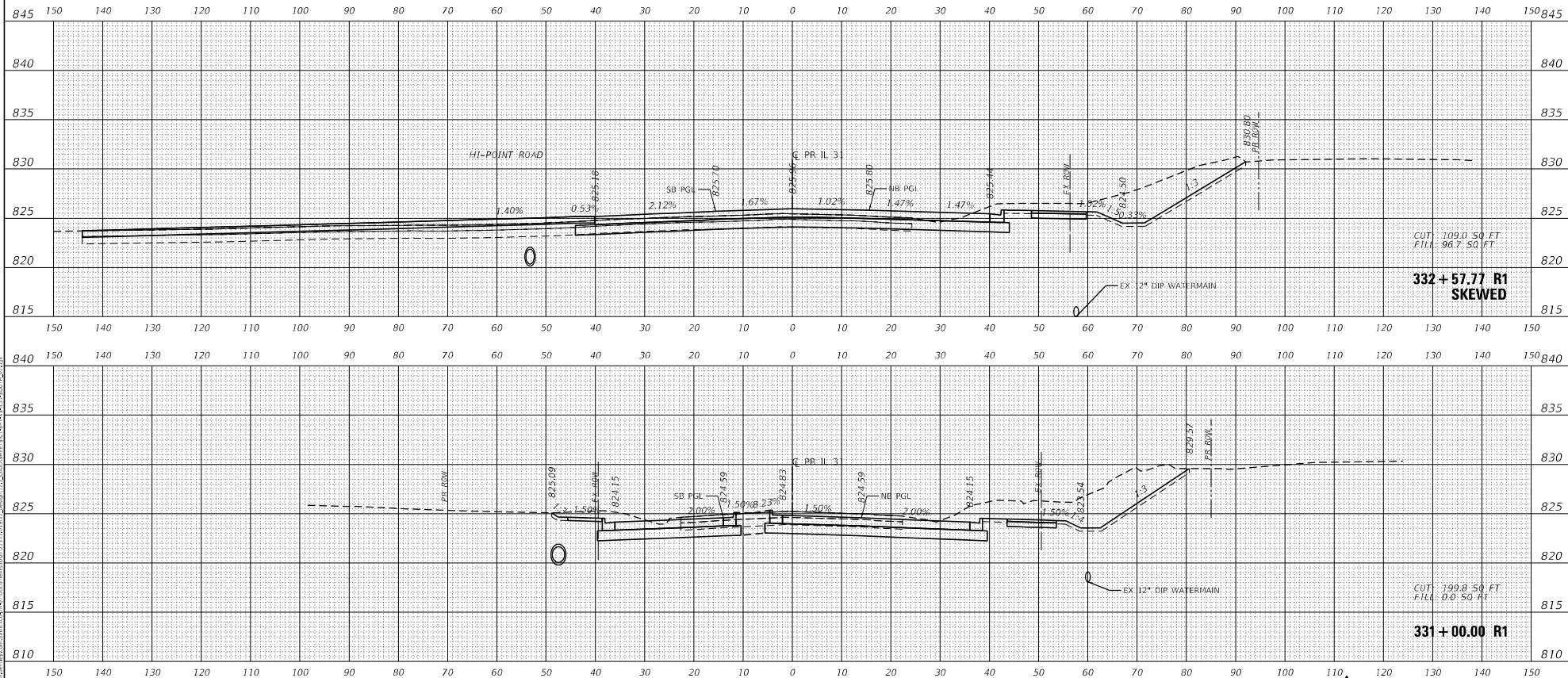
ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		
NOTE BOOK			
	NO. _____		



DATE	BY
DESIGNED	BY
DRAWN	BY
CHECKED	BY
DATE	BY

DATE	BY
DESIGNED	BY
DRAWN	BY
CHECKED	BY
DATE	BY

MODEL: P-011.50-01
FILE NAME: ILLINOIS ROUTE 31 CROSS SECTION 332+57.77 R1



USER NAME	EWB	DESIGNED	EIB	REVISED	-
DRAWN	EIB	CHECKED	KE	REVISED	-
DATE	09/30/2025	DATE	09/30/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 331+00.00 R1 TO STA. 332+57.77 R1

1 REVISED SHEET 4/03/2026

F.A.P. SITE	SECTION	COUNTY	TOTAL SHEET NO.
336A	2025-2127-R.C.TS.SW	MCHEMERY	553 514
		CONTRACT NO. 80C85	
		ILLINOIS FED. AID PROJECT	

DATE	
BY	
CHECKED	
DESIGNED	
DRAWN	
NOTED	
APPROVED	

DATE	
BY	
CHECKED	
DESIGNED	
DRAWN	
NOTED	
APPROVED	

MODEL: P-211.50.DTH
FILE NAME: I:\PROJECTS\2025\333+31.57 R1 TO STA. 334+00.00 R1\333+31.57 R1 TO STA. 334+00.00 R1.DTH



USER NAME	EWB001
DESIGNED	EIB
DRAWN	EIB
CHECKED	KE
DATE	09/30/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ILLINOIS ROUTE 31

SCALE: 1" = 10' SHEET OF 58 SHEETS STA. 333+31.57 R1 TO STA. 334+00.00 R1

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS
336A	2025-2127-R.C.TS.SW	McHENRY	553
			515
			CONTRACT NO. 80C85

1 REVISED SHEET 4/03/2026

