

FOR INDEX OF SHEETS, SEE SHEET NO. 3

PROJECT LOCATED IN THE VILLAGE OF LAKEWOOD AND CRYSTAL LAKE IN McHENRY COUNTY

**TRAFFIC DATA**

**ADT:**  
 IL RTE. 47 (NORTH) = 18,700 (2014) 25,000 (2040)  
 IL RTE. 47 (SOUTH) = 18,400 (2014) 21,000 (2040)  
 IL RTE. 176 (EAST) = 10,600 (2014) 16,000 (2040)  
 IL RTE. 176 (WEST) = 9,700 (2014) 12,000 (2040)  
 PLEASANT VALLEY ROAD = 1,050 (2014) 3,000 (2040)  
 SWANSON ROAD = 105 (2014) 1,000 (2040)  
 CONNECTOR ROAD = 1,050 (2014) 3,000 (2040)

**DESIGN SPEED**

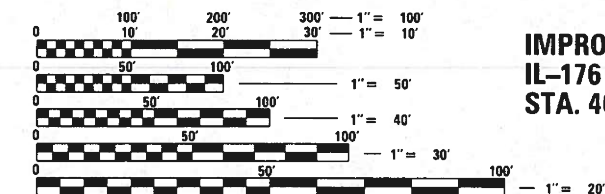
IL RTE. 47 = 60 MPH  
 IL RTE. 176 (EAST) = 60 MPH  
 IL RTE. 176 (WEST) = 60 MPH  
 PLEASANT VALLEY ROAD = 45 MPH  
 SWANSON ROAD = 30 MPH  
 CONNECTOR ROAD = 30 MPH

**POSTED SPEED**

IL RTE. 47 = 55 MPH  
 IL RTE. 176 (EAST) = 55 MPH  
 IL RTE. 176 (WEST) = 55 MPH  
 PLEASANT VALLEY ROAD = 40 MPH  
 SWANSON ROAD = 30 MPH  
 CONNECTOR ROAD = 30 MPH

**DESIGN DESIGNATION**

IL RTE. 47 (NORTH) 1,835(40) OTHER PRINCIPAL ARTERIAL (FD-20)  
 IL RTE. 47 (SOUTH) 1,775(40) OTHER PRINCIPAL ARTERIAL (FD-20)  
 IL RTE. 176 (EAST) 1,245(40) OTHER PRINCIPAL ARTERIAL (FD-20)  
 IL RTE. 176 (WEST) 1,070(40) OTHER PRINCIPAL ARTERIAL (FD-20)  
 PLEASANT VALLEY ROAD 240(40) LOCAL ROAD OR STREET (FD-20)  
 SWANSON ROAD 20(40) LOCAL ROAD OR STREET (FD-20)  
 CONNECTOR ROAD 240(40) LOCAL ROAD OR STREET (FD-20)



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

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

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

PROJECT ENGINEER: FIRAS UDDIN (847)705-4552  
 PROJECT MANAGER: MATTHEW ROTHENBERG, P.E. (847)705-4230  
 CONTRACT NO.: 62B43

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PROPOSED  
 HIGHWAY PLANS**

FAP ROUTE 326 (IL ROUTE 47)  
 AT IL ROUTE 176 (NORTH AND SOUTH  
 JUNCTION) AND PLEASANT VALLEY ROAD  
 SECTION 105-N-2(15)  
 FEDERAL PROJECT NO.: NHPP-STP-BJOV (278)  
 INTERSECTION RECONSTRUCTION  
 McHENRY COUNTY  
 C-91-042-16

END IMPROVEMENT  
 STA. 660 + 91.74

IMPROVEMENT LIMIT - IL-176 E  
 STA. 316 + 64.74

IMPROVEMENT LIMIT -  
 IL-176 W  
 STA. 404 + 20.04

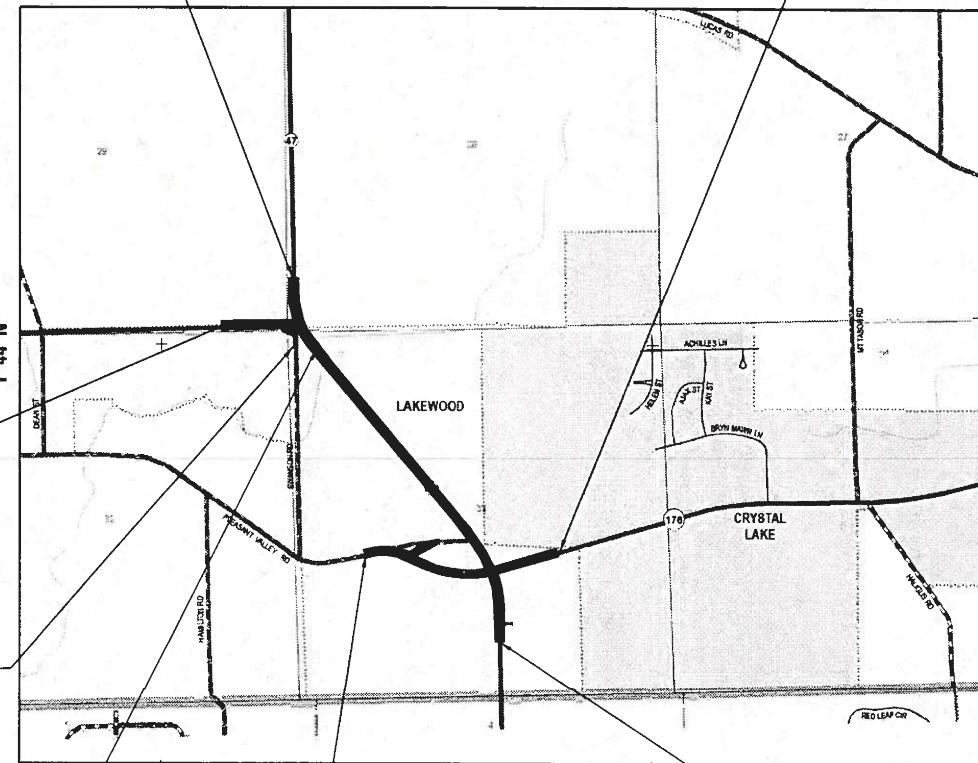
IMPROVEMENT  
 LIMIT - SWANSON  
 STA. 502 + 16.66

CULVERT REPLACEMENT  
 STA. 627 + 82.00  
 EX STRUCTURE NO. 056-0246  
 PR STRUCTURE NO. 056-0310

IMPROVEMENT  
 LIMIT - PVRD  
 STA. 273 + 28.41

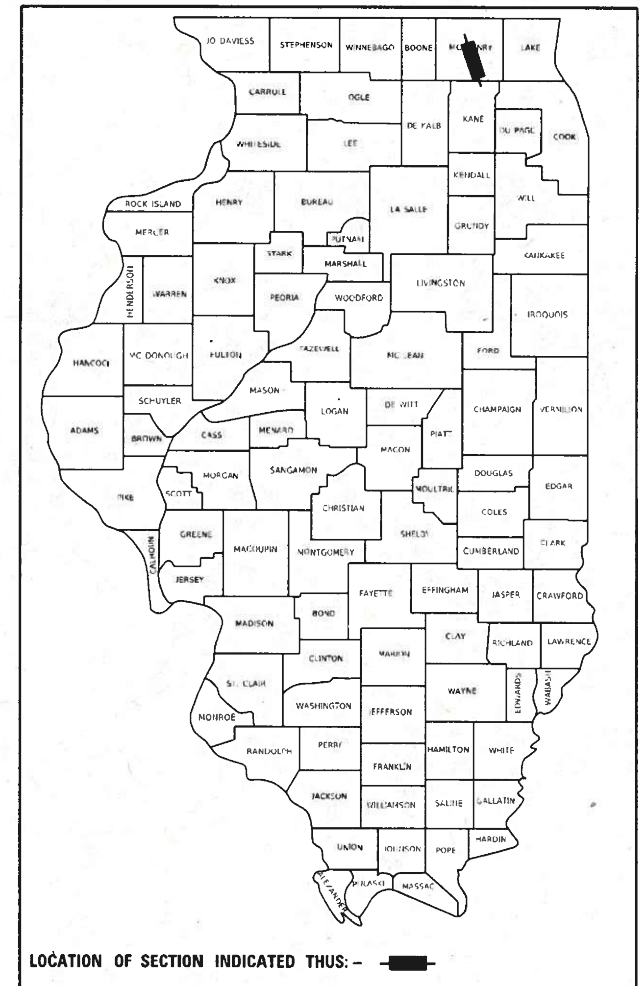
BEGIN IMPROVEMENT  
 STA. 565 + 80.00

GROSS LENGTH = 9511.63 FT. = 1.801 MILE  
 NET LENGTH = 9511.63 FT. = 1.801 MILE



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	McHENRY	803	1
		ILLINOIS	CONTRACT NO.: 62B43	

D-91-011-14



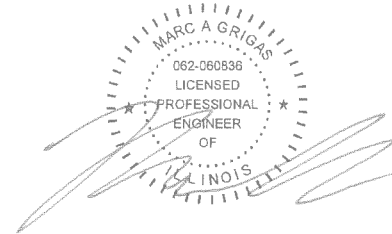
**SA STRAND ASSOCIATES**  
 1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200  
 IDFP NO. 184-001273

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 13, 2023  
Chris Piro REGIONAL ENGINEER  
 February 2, 2024  
Scott A. Etk ENGINEER OF DESIGN AND ENVIRONMENT  
 February 2, 2024  
Stephen M. Smith DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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**FAP ROUTE 326 (IL ROUTE 47)  
 AT IL ROUTE 176 (NORTH AND SOUTH  
 JUNCTION) AND PLEASANT VALLEY ROAD  
 SECTION 105-N-2(15)  
 FEDERAL PROJECT NO.: BJOV(278)  
 INTERSECTION RECONSTRUCTION  
 McHENRY COUNTY  
 C-91-042-16**



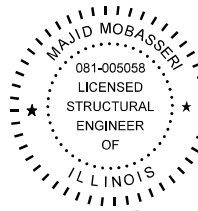
12-15-2023  
 Date

Marc A. Grigas, P.E.  
 Illinois Registered Engineer No. 062-060836  
 Registration Expires 11/30/2025  
 Sheets: 1-246, 252-268, 308-439, 477-551, 611-613,  
 616-618, 620-803



12-15-2023  
 Date

Samuel G. Lahniers, P.E.  
 Illinois Registered Engineer No. 062-061690  
 Registration Expires 11/30/2025  
 Sheets: 247-251, 269-307, 440-476, 614, 615, 619



12-15-2023  
 Date

Majid Mobasseri, P.E., S.E.  
 Illinois Registered Engineer No. 081-005058  
 Registration Expires 11/30/2024  
 Sheets: 552-567, 574-591



12-15-2023  
 Date

Anthony J. Standish, P.E., S.E.  
 Illinois Registered Engineer No. 081-005819  
 Registration Expires 11/30/2025  
 Sheets: 568-573, 592-610

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PLOT SCALE = 2,0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROFESSIONAL SEALS**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	2
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 62B43

**INDEX OF SHEETS**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INDEX OF SHEETS</b>			
SCALE: N/A	SHEET 1 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	3
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-04	NAME PLATES FOR BRIDGES
542201-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 15"(375 MM) THRU 36"(900 MM) DIAMETER SKEWED WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-07	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAIN
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
602401-07	PRECAST MANHOLE, TYPE A, 4'(1.22 M) DIAMETER
602406-11	PRECAST MANHOLE, TYPE A, 6'(1.83 M) DIAMETER
602411-09	PRECAST MANHOLE, TYPE A, 7'(2.13 M) DIAMETER
602416-09	PRECAST MANHOLE, TYPE A, 8'(2.44 M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604006-05	FRAME AND GRATE, TYPE 3
604011-05	FRAME AND GRATE, TYPE 3V
604016-04	FRAME AND GRATE, TYPE 4
604036-03	GRATE, TYPE 8
604051-04	FRAME AND GRATE, TYPE 11
604091-05	FRAME AND GRATE, TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-13	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635001-02	DELINEATORS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15'(4.5 M) TO 24"(600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15'(4.5 M) TO 24"(600 MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
720021-03	SIGN PANELS, EXTRUDED ALUMINUM TYPE
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES
878001-11	CONCRETE FOUNDATION DETAILS

**IDOT DISTRICT ONE STANDARD DETAILS**

BD01	DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER GREATER OR EQUAL TO 15' (4.5 m)
BD02	DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB GREATER THAN 15' (4.5 m)
BD07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD12	MANHOLE WITH RESTRICTOR PLATE
BD22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD32	BUTT JOINTS AND HMA TAPER DETAILS
BD51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BE215	LIGHTING CONTROLLER, SINGLE DOOR
BE220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE240	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC
BE301	LIGHT POLE FOUNDATION 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
BE305	LIGHT POLE FOUNDATION, METAL
BE400	ALUMINUM LIGHT POLE 47'-6" MOUNTING HEIGHT
BE701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE702	MISCELLANEOUS ELECTRICAL DETAILS, SHEET A - (TYPICAL SPLICE, POLE WIRING, TRENCH DETAIL)
BE800	TEMPORARY LIGHT POLE DETAILS
BE801	TEMPORARY AERIAL CABLE INSTALLATION
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC16	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC22	ARTERIAL ROAD INFORMATION SIGN
TC26	DRIVEWAY ENTRANCE SIGNING
TS02	MAST ARM MOUNTED STREET NAME SIGNS
TS05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT HIGHWAY STANDARDS & IDOT DISTRICT ONE DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	4
CONTRACT NO. 62B43				
		ILLINOIS	FED. AID PROJECT	

# GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE ACCORDING TO THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (STANDARD SPECIFICATIONS) ADOPTED JAN. 1, 2022, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JAN. 1, 2024, THE DETAILS IN THESE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM AND IS RESPONSIBLE FOR ANY DAMAGE CAUSED. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK.
- THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.
- 48 HOURS PRIOR TO THE START OF ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E., MCHENRY COUNTY, AND DORR TOWNSHIP FOR VERIFICATION OF ALL UTILITY LOCATIONS IN THE FIELD.
- THE RESIDENT ENGINEER SHALL CONTACT THE ARTERIAL TRAFFIC CONTROL SUPERVISOR, KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL COORDINATE WITH ALL ABOVE AND UNDERGROUND UTILITY COMPANIES IF UTILITIES NEED TO BE RELOCATED.
- THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS MAINTAINED AT ALL TIMES DURING AND AFTER THE CONSTRUCTION.
- TEN FOOT TRANSITIONS SHALL BE USED TO TRANSITION PROPOSED CURB AND GUTTER AND MEDIAN ITEMS TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE TYPE OF COMBINATION CONCRETE CURB AND GUTTER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE FRAMES AND LIDS OF EXISTING UTILITY OR DRAINAGE STRUCTURES WITHIN THE LIMITS OF THIS IMPROVEMENT PROJECT THAT ARE NOT NOTED ON THE PLANS FOR REPLACEMENT OR RECONSTRUCTION SHALL BE ADJUSTED TO MATCH THE PROPOSED ROADWAY GRADES. THE FRAMES AND LIDS OF PRIVATE UTILITY STRUCTURES SHALL BE ADJUSTED BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT. HOWEVER, THE CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY OWNERS TO HAVE ADJUSTMENTS PERFORMED.
- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR CATCH BASINS. CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET SHALL BE PREPARED AT ALL TIME TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT ROADSIDE DRAINAGE SYSTEM IS BUILT AND IN SERVICE. THIS WORK IS INCLUDED IN THE CONTRACT COST
- PROPOSED END SECTIONS SHALL BE SLOPED TO MATCH THE PROPOSED CULVERTS AND STORM SEWER PIPE SLOPES. STORM SEWER PIPE LENGTHS IN SCHEDULES INCLUDE THE LENGTH OF END SECTION WHERE APPLICABLE. DRAINAGE STRUCTURE GRADES SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. DRAINAGE STRUCTURES MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS. ANY ADJUSTMENT SHALL BE AS DIRECTED BY THE ENGINEER. PROPOSED RIM ELEVATIONS SHOWN FOR DRAINAGE STRUCTURES IN THE GUTTER REFERENCE THE PROPOSED EDGE OF PAVEMENT ELEVATION.
- UNLESS OTHERWISE NOTED, LOCATIONS SHOWN ON THE PLANS ARE TO THE CENTER OF GUTTER FOR GRATES IN THE CURB AND GUTTER AND TO THE CENTER OF THE GRATE/LID FOR ALL OTHER STRUCTURES. FLAT TOPS AND CONES ARE TO BE TURNED SO THAT THE FRAME IS CLOSEST TO THE CENTER LINE OF THE ROAD, UNLESS OTHERWISE NOTED ON THE STRUCTURE IN THE PLANS. ALL FLAT TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.

- ALL SUBSURFACE DRAINS AND/OR FIELD TILES ENCOUNTERED IN THE ROADWAY EXCAVATION SHALL BE REMOVED AND CONSIDERED TO BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAPPING THE EXISTING SUBSURFACE DRAINS OR CONNECTING TO THE PROPOSED DITCHES AT THE LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE OWNER.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS AND STANDARD DRAWING 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. UNDERDRAIN MINIMUM SLOPES SHALL BE 0.20% AND HAVE BEEN IDENTIFIED ON THE DRAINAGE PLAN AND PROFILE SHEETS. TRANSVERSE UNDERDRAINS SHALL MATCH THE CROSS SLOPE OF THE ROADWAY SURFACE.
- THE PROPOSED DRAINAGE STRUCTURES AND PIPES SHALL BE PROTECTED IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACES THAT DRAIN TO THEM ARE FULLY PAVED OR VEGETATED.
- ALL SIGN RELOCATIONS AND PROPOSED SIGNS SHALL BE PLACED IN THE LOCATION INDICATED IN THE SIGN SCHEDULE IN THE SCHEDULE OF QUANTITIES. ALL SIGNS SHALL BE INSTALLED ACCORDING TO THE MUTCD AND THE ILLINOIS STANDARD SPECIFICATIONS.
- IT IS ASSUMED THAT THE TOP 15" OF THE EXISTING GROUND OUTSIDE THE PAVEMENT SHALL BE EXCAVATED AND RE-SPREAD. QUANTITIES FOR THIS WORK ARE INCLUDED IN TOP SOIL EXCAVATION AND PLACEMENT.
- THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- A PROVISIONAL AGGREGATE SUBGRADE IMPROVEMENT QUANTITY OF 660 CUBIC YARDS AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION 1960 SQUARE YARDS IS INCLUDED IN THE TOTAL QUANTITY TO ACCOUNT FOR SUBGRADE TREATMENT IN AREAS OUTSIDE OF AREAS SHOWN ON THE PLANS. ANY MATERIAL NOT NEEDED DURING THE CONSTRUCTION WILL BE DELETED FROM THE CONTRACT WITH NO EXTRA COMPENSATION TO THE CONTRACTOR.
- THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS COFFERDAM (TYPE 1) (IN-STREAM /WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH .
- BUILDING REMOVAL NO. 1 CONSISTS OF COMPLETE REMOVAL AND DISPOSAL OF A ONE-STORY HOME, INCLUDING ALL ITS CONTENTS, DOWN TO A PLANE 4 FT BELOW EXISTING GRADE.
- BUILDING REMOVAL NO. 2 CONSISTS OF COMPLETE REMOVAL AND DISPOSAL OF A ONE-STORY GARAGE, INCLUDING ALL ITS CONTENTS, DOWN TO A PLANE 4 FT BELOW EXISTING GRADE.
- BUILDING REMOVAL NO. 3 CONSISTS OF COMPLETE REMOVAL AND DISPOSAL OF A ONE-STORY SHED, INCLUDING ALL ITS CONTENTS, DOWN TO A PLANE 4 FT BELOW EXISTING GRADE.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
- BELOW ARE CONTACT DETAILS FOR VARIOUS UTILITIES THAT WILL BE AFFECTED BY THE PROJECT.  
 AGENCY - CONTACT PERSON, TELEPHONE NO., EMAIL  
 NICOR - SAKIBUL FORAH, 630-388-2903, SFORAH@SOUTHERNCO.COM  
 AT&T TRANSMISSION - RICH MEYERS, 630-215-7567, RCM5@SBCGLOBAL.NET  
 AT&T DISTRIBUTION - HECTOR GARCIA, 630-573-5465, HG2929@ATT.COM  
 COMED - DANIELLE PETEET, 630-437-2159  
 COMCAST - NICK MIHALKA, 847-626-8358,  
 NICHOLAS MIHALKA@COMCAST.COM  
 KINDER MORGAN - MARK CAVAZOS, 713-420-4363,  
 KMENCROACHMENTS@KINDERMORGAN.COM  
 EVERSTREAM - JEFIN STEPHEN, 847-707-6829, JSTEPHEN@EVERSTREAM.NET  
 MIDWEST FIBER NETWORKS - CORY SCHMUKI, 414-459-3561,  
 CSCHMUKI@MIDWESTFIBERNETWORKS.COM
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, ARTERIAL TRAFFIC FIELD ENGINEER VIA EMAIL AT WALTER.CZARNY@ILLINOIS.GOV AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW(BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 of the SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- IF ANY CULTURAL OR ARCHAEOLOGICAL RESOURCES ARE UNCOVERED DURING CONSTRUCTION, PLEASE STOP WORK AND CONTACT THE FOLLOWING PERSON:

JOSEPH M. GALLOY, PHD, RPA  
 CULTURAL RESOURCES UNIT MANAGER  
 CHIEF ARCHAEOLOGIST & NAGPRA OFFICER  
 JOSEPH.GALLOY@ILLINOIS.GOV

## COMMITMENTS

- WILDLIFE CROSSINGS UNDER IL 47 ARE RECOMMENDED AND WILL BE FURTHER STUDIED DURING THE FINAL ENGINEERING DESIGN. PROPOSED CROSSING LOCATIONS ARE PRESENTED IN THE ENVIRONMENTAL ASSESSMENT IN TABLE 4-8.
- BIOSWALES WILL BE INSTALLED ALONG THE OUTSIDE DITCHES WHERE FEASIBLE AND PRACTICAL. THEY WILL BE INSTALLED IN LOCATIONS IMMEDIATELY UPSTREAM OF SURFACE WATER RESOURCES, SUCH AS STREAMS AND WETLANDS. OTHER BMPs WILL BE INSTALLED IN THE VEGETATED MEDIANS WHERE APPROPRIATE.
- ACCIDENTAL SPILLS OF HAZARDOUS MATERIALS AND WASTES DURING CONSTRUCTION OR OPERATION OF THE TRANSPORTATION SYSTEM REQUIRE SPECIAL RESPONSE MEASURES. OCCURRENCES WILL BE HANDLED IN ACCORDANCE WITH LOCAL GOVERNMENT RESPONSE PROCEDURES. REFUELING, STORAGE OF FUELS, OR MAINTENANCE OF CONSTRUCTION EQUIPMENT WILL NOT BE ALLOWED WITHIN 100 FEET OF WETLANDS OR WATER BODIES TO AVOID ACCIDENTAL SPILLS IMPACTING THESE RESOURCES.
- IN ORDER TO PROTECT FROM THE POTENTIAL PRESENCE OF THE BLANDINGS TURTLE, EXCLUSIONARY FENCING BETWEEN WETLANDS AND THE CONSTRUCTION LIMITS SHALL BE PLACED TO KEEP TURTLES FROM ENTERING THE CONSTRUCTION AND STAGING AREAS. THE FENCING SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 4 INCHES AND INSPECTED DAILY FOR TURTLES. FENCING SHOULD BE INSTALLED WITH TURN-AROUNDS AT OPEN ENDS AND AT ANY ACCESS OPENINGS NEEDED IN THE FENCING, IN ORDER TO REDIRECT ANIMALS AWAY FROM OPENINGS. ALL ON-SITE PERSONNEL SHALL BE EDUCATED ON THE BLANDINGS TURTLE VIA INFORMATION FLYER. IDNR MUST BE CONTACTED IMMEDIATELY IF ANY BLANDINGS TURTLES ARE FOUND DURING CONSTRUCTION.
- TREES THREE (3) INCHES IN DIAMETER AT BREST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.

## UTILITY NOTES

- WHEN WORKING IN THE VICINITY OF COMED'S ELECTRIC TRANSMISSION LINES DURING THE INSTALLATION, COMED REQUIRES A MINIMUM OF FIFTEEN (15) FEET WORKING CLEARANCE DISTANCE MUST BE MAINTAINED BETWEEN THE BOOMS, ARMS OR OTHER PARTS THAT CAN BE RAISED ON THE EQUIPMENT UTILIZED BY THE PETITIONER AND/OR ITS CONTRACTOR AND COMED'S EXISTING 138,000 VOLT ELECTRIC TRANSMISSION CONDUCTORS AND A MINIMUM OF TWENTY (20) FEET WORKING CLEARANCE DISTANCE MUST BE MAINTAINED BETWEEN THE BOOMS, ARMS OR OTHER PARTS THAT CAN BE RAISED ON THE EQUIPMENT UTILIZED BY THE PETITIONER AND/OR ITS CONTRACTOR AND COMED'S EXISTING 345,000 VOLT ELECTRIC TRANSMISSION CONDUCTORS.. UNDER NO CIRCUMSTANCES, SHOULD TRUCK BEDS BE RAISED UNDERNEATH COMED TRANSMISSION LINES. IF THE PETITIONER AND/OR ITS CONTRACTOR DETERMINES A LINE OUTAGE WILL BE REQUIRED TO SAFELY WORK WITHIN THE VICINITY OF THE EXISTING OVERHEAD TRANSMISSION FACILITIES A MINIMUM OF A 16-WEEK PRIOR NOTIFICATION WILL BE REQUIRED. THE OUTAGE DATES CANNOT BE GUARANTEED DUE TO SYSTEM CONCERNS AND/OR WEATHER CONDITIONS. HOWEVER, EVERY EFFORT WILL BE MADE TO ACCOMMODATE THE CONTRACTORS NEED DATE. OUTAGES ON THE OVERHEAD TRANSMISSION FACILITIES WILL NOT BE PERMITTED BETWEEN THE MONTHS OF MAY 15 AND SEPTEMBER 15.

MODEL: D:\m\h\1170 SOUTH HOUBOLT ROAD.dwg  
 FILE: 1170 SOUTH HOUBOLT ROAD.dwg  
 SHEET: 326 OF 326  
 DATE: 12/19/2023



1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD	DESIGNED - MAG	REVISED -
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	5
CONTRACT NO. 62B43				
		ILLINOIS	FED. AID PROJECT	

MODEL D:\64\11  
 FILE NAME: S:\01\16300-0399\16300-0399\MMT\001\CAD\_Sheets\16300-0399-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	100	100										
+ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	100	100										
+ 20101000	TEMPORARY FENCE	FOOT	5,525	4,884	641									
+ 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	30	30										
+ 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	30	30										
20200100	EARTH EXCAVATION	CU YD	125,660	117,204	8,456									
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	21,934	21,934										
20400800	FURNISHED EXCAVATION	CU YD	78,664	74,047	4,617									
20700220	POROUS GRANULAR EMBANKMENT	CU YD	3,719	627		548	1,717	520	307					
20800150	TRENCH BACKFILL	CU YD	2,749	2,425	324									
20900110	POROUS GRANULAR BACKFILL	CU YD	47				47							
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	38,702	35,275	3,427									
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	84,109	73,545	10,564									
+ 25000210	SEEDING, CLASS 2A	ACRE	3.25	3.00	.25									
+ 25000310	SEEDING, CLASS 4	ACRE	38.75	32.75	6.00									

+ INDICATES SPECIALTY ITEM



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PLOT DATE = 12/19/2023		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	6
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

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 FILE NAME: S:\01\16300-0399\16346\06\06\MM\06\CAD\_5\sheet162B43-5.rvt-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	852	794	58									
+ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	852	794	58									
+ 25000750	MOWING	ACRE	244	244										
+ 25000775	SELECTIVE MOWING STAKES	EACH	148	140	8									
+ 25100105	MULCH, METHOD 1	ACRE	9.00	9.00										
+ 25100115	MULCH, METHOD 2	ACRE	14.75	14.00	.75									
+ 25100125	MULCH, METHOD 3	ACRE	46.00	40.50	5.50									
+ 25100900	TURF REINFORCEMENT MAT	SQ YD	1,993	1,742	251									
+ 25200110	SODDING, SALT TOLERANT	SQ YD	30,084	28,225	1,859									
+ 25200200	SUPPLEMENTAL WATERING	UNIT	328	328										
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	39,837	34,713	5,124									
+ 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	29,250	29,250										
+ 28000305	TEMPORARY DITCH CHECKS	FOOT	23,710	21,170	2,540									
+ 28000400	PERIMETER EROSION BARRIER	FOOT	43,360	38,027	5,333									
+ 28000500	INLET AND PIPE PROTECTION	EACH	12	12										

+ INDICATES SPECIALTY ITEM



USER NAME = JackD	DESIGNED - MAG	REVISED -
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PLOT DATE = 12/19/2023		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>			
SCALE:	SHEET 2 OF 27 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	7
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ 28000510	INLET FILTERS	EACH	184	179	5									
28001000	AGGREGATE (EROSION CONTROL)	TON	449	389	60									
+ 28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	129,202	117,201	12,001									
28100107	STONE RIPRAP, CLASS A4	SQ YD	1,256	707	256	54	81	92	66					
28100109	STONE RIPRAP, CLASS A5	SQ YD	803	803										
28200200	FILTER FABRIC	SQ YD	22,882	21,320	1,269	54	81	92	66					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	32,659	32,659										
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	154,803	141,098	13,705									
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	33,902	33,902										
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	728	728										
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	15,421	15,421										
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	2,632	2,416	216									
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	974	974										
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	273,101	254,809	18,292									
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	45,491	41,134	4,357									
40600370	LONGITUDINAL JOINT SEALANT	FOOT	62,686	61,764	922									

+ INDICATES SPECIALTY ITEM

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PLOT DATE = 12/19/2023		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 3 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	8
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	102	90	12									
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	2,983	2,983										
40701821	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"	SQ YD	10,502	1,424	9,078									
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	23,416	23,416										
40701891	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"	SQ YD	62,200	62,200										
42001300	PROTECTIVE COAT	SQ YD	10,711	9,925	786									
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	64,416	64,416										
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	1,476	1,476										
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	568	568										
42400800	DETECTABLE WARNINGS	SQ FT	320	320										
44000100	PAVEMENT REMOVAL	SQ YD	84,562	80,894	3,668									
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	10,378	10,378										
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	7,031	7,031										
44003100	MEDIAN REMOVAL	SQ FT	24,254	24,254										

+ INDICATES SPECIALTY ITEM

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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 4 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	9
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
44004000	PAVED DITCH REMOVAL	FOOT	460	460										
44004250	PAVED SHOULDER REMOVAL	SQ YD	929	929										
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	350	300	50									
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	450	400	50									
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	750	700	50									
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	1,450	1,350	100									
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	4,099	4,099										
48203025	HOT-MIX ASPHALT SHOULDERS, 7"	SQ YD	4,276	599	3,677									
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	10,785	10,785										
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	8,753	8,753										
48203039	HOT-MIX ASPHALT SHOULDERS, 10 1/2"	SQ YD	18,022	18,022										
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1			1								
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1				1							
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1					1						
50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1	1										

+ INDICATES SPECIALTY ITEM

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USER NAME = JackD	DESIGNED - MAG	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 5 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	10
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP URBAN	80% FED 20% STATE STP-U URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP URBAN	80% FED 15% STATE 5% LAKEWOOD HNPP URBAN
50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1						1					
50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1	1										
50100900	REMOVAL OF EXISTING STRUCTURES NO. 7	EACH	1	1										
50105220	PIPE CULVERT REMOVAL	FOOT	2,895	2,685	210									
50200100	STRUCTURE EXCAVATION	CU YD	5,298	1,591		684	2,597	426						
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	1,174	204		165	718	87						
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1						1					
50201102	COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1						1					
50300225	CONCRETE STRUCTURES	CU YD	243	191			52							
50500505	STUD SHEAR CONNECTORS	EACH	741	741										
50800105	REINFORCEMENT BARS	POUND	352,430	34,120		920	295,280		22,110					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	21,200	19,140			1,210	850						
50800515	BAR SPLICERS	EACH	232				172		60					
50901760	PIPE HANDRAIL	FOOT	73	73										
51500100	NAME PLATES	EACH	6	2		1	1	1	1					

+ INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 6 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	11
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
52200010	TEMPORARY SHEET PILING	SQ FT	7,505	3,336			2,369	1,800						
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	821	468		353								
52200100	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	2,724	2,724										
52200150	DRIVING SOLDIER PILES	FOOT	2,225	2,225										
52200250	UNTREATED TIMBER LAGGING	SQ FT	3,981	3,981										
52200600	GEOTEXTILE RETAINING WALL	SQ FT	134	84				50						
52200700	PRECAST MODULAR RETAINING WALL	SQ FT	790	790										
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2										
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2			2								
54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2					2						
54001004	BOX CULVERT END SECTIONS, CULVERT NO. 4	EACH	2	2										
54001005	BOX CULVERT END SECTIONS, CULVERT NO. 5	EACH	1	1										
54003000	CONCRETE BOX CULVERTS	CU YD	1,192.6				1,067.6	6	119					
54010303	PRECAST CONCRETE BOX CULVERTS 3' X 3'	FOOT	36	36										
54010403	PRECAST CONCRETE BOX CULVERTS 4' X 3'	FOOT	140	140										

+ INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 7 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	12
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
54010806	PRECAST CONCRETE BOX CULVERTS 8' X 6'	FOOT	158			158								
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	80	77	3									
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	7	6	1									
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	27	27										
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	75	62	13									
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2										
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	2	2										
54214512	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 27"	EACH	4		4									
54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	4	2	2									
54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	2	2										
54214539	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 54"	EACH	2	2										
5422A018	PIPE CULVERTS, CLASS A, TYPE 2 18" (TEMPORARY)	FOOT	127	127										
5422A024	PIPE CULVERTS, CLASS A, TYPE 2 24" (TEMPORARY)	FOOT	36	36										
5422A030	PIPE CULVERTS, CLASS A, TYPE 2 30" (TEMPORARY)	FOOT	25	25										
5422C012	PIPE CULVERTS, CLASS C, TYPE 2 12" (TEMPORARY)	FOOT	29	29										

+ INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 8 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	13
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
5422C015	PIPE CULVERTS, CLASS C, TYPE 2 15" (TEMPORARY)	FOOT	159	159										
5422C018	PIPE CULVERTS, CLASS C, TYPE 2 18" (TEMPORARY)	FOOT	42	42										
5422C024	PIPE CULVERTS, CLASS C, TYPE 2 24" (TEMPORARY)	FOOT	122	122										
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	139	139										
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	239	239										
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	1,504	1,150	354									
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	106	106										
542A0253	PIPE CULVERTS, CLASS A, TYPE 1 48"	FOOT	163	163										
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	72		72									
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	163	163										
542A5491	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	107	107										
542A5509	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 54"	FOOT	155	155										
542A8212	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 27"	FOOT	103		103									
542A8215	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	139		139									
542D1057	PIPE CULVERTS, CLASS D, TYPE 2 12"	FOOT	254	254										

+ INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 9 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	14
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
542D1060	PIPE CULVERTS, CLASS D, TYPE 2 15"	FOOT	17	17										
550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	15	15										
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	2,175	2,076	99									
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	50	50										
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	649	649										
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	166	166										
550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	305	305										
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	3,091	3,021	70									
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	536	500	36									
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	1,022	1,022										
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	255	25	230									
55100200	STORM SEWER REMOVAL 6"	FOOT	47	47										
55100300	STORM SEWER REMOVAL 8"	FOOT	46	46										
55100400	STORM SEWER REMOVAL 10"	FOOT	738	738										
55100500	STORM SEWER REMOVAL 12"	FOOT	1,038	1,038										

+ INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 10 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	15
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
55100900	STORM SEWER REMOVAL 18"	FOOT	63	63										
X2090212	SAND BACKFILL	CU YD	2,196	2,108	88									
58700300	CONCRETE SEALER	SQ FT	5,978	5,978										
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	945	513		204	35	193						
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	11	11										
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	27	27										
60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	2,216	1,817	399									
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	1,769	1,633	136									
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	37,251	37,251										
60108208	PIPE UNDERDRAINS, TYPE 2, 8"	FOOT	256	256										
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	11	10	1									
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	3	3										
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2										
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	67	65	2									
60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1										

+ INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 11 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	16
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2										
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	20	19	1									
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	3	2	1									
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	87	85	2									
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	2	1									
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1										
60500040	REMOVING MANHOLES	EACH	4	4										
60500050	REMOVING CATCH BASINS	EACH	5	5										
60500060	REMOVING INLETS	EACH	17	17										
60600605	CONCRETE CURB, TYPE B	FOOT	91	91										
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	144	144										
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	29,520	28,641	879									
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	663	663										
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	922	922										
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	4,920	4,920										

+ INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 12 OF 27 SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B43	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	100% LAKEWOOD NHPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP	80% FED 20% STATE NHPP	URBAN	URBAN
60622320	CONCRETE MEDIAN, TYPE SM-4.24	SQ FT	2,658	1,957	701									
63200310	GUARDRAIL REMOVAL	FOOT	727	727										
+ 63500105	DELINEATORS	EACH	227	176	51									
+ 64401100	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	6,684	6,684										
+ 64401300	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	6	6										
+ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50,200	50,200										
+ 66900530	SOIL DISPOSAL ANALYSIS	EACH	15	15										
+ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1										
+ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1										
+ 66901005	ENGINEERED BARRIER	SQ YD	3,700	3,700										
+ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	200	200										
67100100	MOBILIZATION	L SUM	1	1										
+ 67201000	SEALING ABANDONED WATER WELLS	EACH	1	1										
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30										
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	406	406										

+ INDICATES SPECIALTY ITEM

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 FILE NAME: S:\01\16300-6399\16300-5\sheet162B43-5-16-500.dgn  
 STRAND ASSOCIATES


 1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	CHECKED - SJG	REVISED -
PLOT SCALE = 2,0000' / in.	DATE - 12/15/2023	REVISED -
PLOT DATE = 12/19/2023		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>			
SCALE:	SHEET 13 OF 27 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	18
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	76,689	76,689										
70303100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - MODIFIED URETHANE	SQ FT	586	586										
70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	80,149	80,149										
70303130	TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE	FOOT	1,896	1,896										
70303160	TEMPORARY PAVEMENT MARKING - LINE 12"- MODIFIED URETHANE	FOOT	680	680										
70303210	TEMPORARY PAVEMENT MARKING - LINE 24"- MODIFIED URETHANE	FOOT	203	203										
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	972	972										
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	122,816	122,816										
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	9,029	9,029										
70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	EACH	931	931										
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	416	416										
70400100	TEMPORARY CONCRETE BARRIER	FOOT	7,518	7,518										
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	1,029	1,029										
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	5,681	5,681										
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	24	24										

+ INDICATES SPECIALTY ITEM

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 STRAND ASSOCIATES



1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 14 OF 27 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	19
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

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 FILE NAME: S:\Q\16300-0399\16300-0399\MICRO\CAD\_Sheets\16300-0399-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP URBAN	80% FED 20% STATE STP-U URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP URBAN	80% FED 15% STATE 5% LAKEWOOD HNPP URBAN
	70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	22										
+	72000100	SIGN PANEL - TYPE 1	SQ FT	1,104	951	117					22	14		
+	72000200	SIGN PANEL - TYPE 2	SQ FT	141	116							25		
+	72100100	SIGN PANEL OVERLAY	SQ FT	30	30									
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	81	74	7								
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	9	9									
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	759	710	49								
	72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	104	104									
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2									
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	30	30									
+	72500200	OBJECT MARKER - TYPE 2	EACH	46	46									
+	72700200	TUBULAR STEEL SIGN SUPPORT - BREAKAWAY	POUND	2,656	2,410	246								
+	73000100	WOOD SIGN SUPPORT	FOOT	3,138	2,777	361								
+	73400100	CONCRETE FOUNDATIONS	CU YD	14	13	1								
+	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,803	1,633	170								

+ INDICATES SPECIALTY ITEM



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 15 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	20
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

MODEL: D:\p\it...  
 FILE NAME: S:\Q\16300-0399\16300-0399\MicroCAD\_Sheets\16300-0399-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP			
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	100% LAKEWOOD NHPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	85,573	74,843	10,730												
+ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5,011	4,977	34												
+ 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3,667	3,169	498												
+ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4,111	3,870	241												
+ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	388	344	44												
+ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	622	622													
+ 78200021	HIGH TENSION CABLE MEDIAN BARRIER REFLECTORS	EACH	836	836													
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	74	74													
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	19,787	19,787													
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,798	3,798													
+ 80400100	ELECTRIC SERVICE INSTALLATION	EACH	2										2				
+ 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1							0.5			0.5				
+ 81028180	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1 1/4" DIA.	FOOT	185										185				
+ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5,403							769	513	4,121					
+ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1,649							42	247		1,360				

+ INDICATES SPECIALTY ITEM



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 16 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	21
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	100% LAKEWOOD NHPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ 81100420	CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., PVC COATED GALVANIZED STEEL	FOOT	30										30	
+ 81400100	HANDHOLE	EACH	22								7	7	8	
+ 81400200	HEAVY-DUTY HANDHOLE	EACH	8								4	4		
+ 81400300	DOUBLE HANDHOLE	EACH	5								2	3		
+ 81603047	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	14,100										14,100	
+ 81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	825										825	
+ 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	83										83	
+ 82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	2										2	
+ 83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	69										69	
+ 83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	69										69	
+ 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	69										69	
+ 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	20										20	
+ 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2										2	
+ 86000100	MASTER CONTROLLER	EACH	1									1		
+ 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4,353										4,353	

+ INDICATES SPECIALTY ITEM

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USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	CHECKED - SJG	REVISED -
PLOT SCALE = 2,0000' / in.	DATE - 12/15/2023	REVISED -
PLOT DATE = 12/19/2023		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 17 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	22
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

MODEL D:\64\11  
 FILE NAME: S:\01\16300-0399\16346\069\MM\05\CAD\_Sheets\16346-5-16-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4,780								2,847	1,933		
+ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,782								2,176	1,606		
+ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	14,684								6,040	8,644		
+ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,013									1,013		
+ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	6,534								3,687	2,847		
+ 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	617								364	253		
+ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	4,627								2,371	2,256		
+ 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3								2	1		
+ 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1									1		
+ 87702820	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 18 FT.	EACH	4								4			
+ 87702830	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 20 FT.	EACH	2									2		
+ 87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	2									2		
+ 87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1								1			
+ 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1									1		
+ 87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1									1		

+ INDICATES SPECIALTY ITEM

 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JackD	DESIGNED - MAG	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE. = 326	SECTION = 105-N-2(15)	COUNTY = MCHENRY	TOTAL SHEETS = 803	SHEET NO. = 23
	PLOT SCALE = 2.0000' / in.	CHECKED - SJG	REVISED -			CONTRACT NO. 62B43				
	PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -			ILLINOIS FED. AID PROJECT				
	SCALE:					SHEET 18 OF 27 SHEETS STA. TO STA.				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	100% LAKEWOOD NHPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ 87703020	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	2								1	1		
+ 87703110	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 74 FT.	EACH	1									1		
+ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24								12	12		
+ 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8								4	4		
+ 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	83								43	40		
+ 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39								11	28		
+ 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	70								24	46		
+ 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	26								11	15		
+ 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7								4	3		
+ 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4									4		
+ 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	16								8	8		
+ 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	30								11	19		
+ 88500100	INDUCTIVE LOOP DETECTOR	EACH	24								10	14		
+ 88600100	DETECTOR LOOP, TYPE I	FOOT	1,940								830	1,110		
+ 88700200	LIGHT DETECTOR	EACH	11								2	2		7

+ INDICATES SPECIALTY ITEM

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USER NAME = JackD	DESIGNED - MAG	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 19 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	24
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



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 FILE NAME: S:\01\16300-03\99\16300-03\99\MMT\03\CAD\_Sheets\16300-03-500.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ 88700300	LIGHT DETECTOR AMPLIFIER	EACH	4								1	1		2
+ 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2								1	1		
+ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2								1	1		
+ 89502380	REMOVE EXISTING HANDHOLE	EACH	27								9	10	8	
+ 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2								1	1		
+ 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	13								6	7		
+ A2000320	TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2										
+ A2001612	TREE, ACER SACCHARINUM MORTON (CRESCENDO SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2										
+ A2002008	TREE, AESCULUS FLAVEA (YELLOW SWEET BUCKEYE), 2" CALIPER, BALLED AND BURLAPPED	EACH	14	14										
+ A2002020	TREE, AESCULUS GLABRA (OHIO BUCKEYE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	11	11										
+ A2002282	TREE, ALNUS X SPAETHII (SPAETHS ALDER), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6										
+ A2002564	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 5' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	21	21										
+ A2002616	TREE, CARYA CORDIFORMIS (BITTERNUT HICKORY), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4										
+ A2002716	TREE, CARYA OVATA (SHAGBARK HICKORY), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8										
+ A2002816	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10										

+ INDICATES SPECIALTY ITEM



USER NAME = JackD	DESIGNED - MAG	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 20 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	25
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

MODEL Dwg.rvt  
 FILE NAME: S:\01\16300-0399\16300-0399\16300-0399\CAD\_Sheets\16300-0399-500.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	100% LAKEWOOD NHPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ A2002879	TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11										
+ A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	15	15										
+ A2002917	TREE, CELTIS OCCIDENTALIS ULZAM (ULTRA COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	15	15										
+ A2003216	TREE, CORYLUS COLURNA (TURKISH FILBERT), 2" CALIPER, BALLED AND BURLAPPED	EACH	18	18										
+ A2004516	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	12	12										
+ A2004617	TREE, GLEDITSIA TRIACANTHOS VAR. INERMIS DRAVES (STREET KEEPER HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7										
+ A2004716	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	26	26										
+ A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	16	16										
+ A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS (ESPRESSO KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	24	24										
+ A2005316	TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11										
+ A2005616	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11										
+ A2005960	TREE, PLATANUS X ACERIFOLIA MORTON CIRCLE (EXCLAMATION! LONDON PLANETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3										
+ A2006420	TREE, QUERCUS ALBA (WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	22	22										
+ A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	57	57										
+ A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	39	39										

+ INDICATES SPECIALTY ITEM

 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JackD	DESIGNED - MAG	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2,0000' / in.	CHECKED - SJG	REVISED -						326	105-N-2(15)	MCHENRY	803	26
	PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -		SCALE: SHEET 21 OF 27 SHEETS STA. TO STA.				CONTRACT NO. 62B43				
	ILLINOIS FED. AID PROJECT												

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	100% LAKEWOOD NHPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
+ A2006820	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	23	23										
+ A2007616	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2" CALIPER, BALLED AND BURLAPPED	EACH	32	32										
+ A2007916	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11										
+ A2008468	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	9	9										
+ A2012116	TREE, AESCULUS X AUTUMN SPLENDOR (AUTUMN SPLENDOR BUCKEYE), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8										
+ A2012220	TREE, AESCULUS X CARNEA FORT MCNAIR (FORT MCNAIR RED HORSECHESTNUT), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	9	9										
+ A2016616	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	41	41										
+ A2064012	TREE, QUERCUS ALBA X ROBUR CRIMSCHMIDT (CRIMSON SPIRE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3										
+ B2000566	TREE, AMELANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	2	2										
+ B2000766	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	11	11										
+ B2001420	TREE, CORNUS MAS (CORNELIAN CHERRY DOG WOOD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	7	7										
+ B2005385	TREE, METASEQUOIA GLYPTOSTROBOIDES (DAWN REDWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	16	16										
+ D2001772	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	3	3										
+ K0013030	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	95	95										
K1001970	CA-7 WASHED GRAVEL FOR RAIN GARDEN	CU YD	1,363	1,316	47									

+ INDICATES SPECIALTY ITEM

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USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	CHECKED - SJG	REVISED -
PLOT SCALE = 2,0000' / in.	DATE - 12/15/2023	REVISED -
PLOT DATE = 12/19/2023		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 22 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	27
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP URBAN	80% FED 20% STATE STP-U URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP URBAN	80% FED 15% STATE 5% LAKEWOOD HNPP URBAN
+ X0322141	REMOVE TEMPORARY WOOD POLE	EACH	23										23	
+ X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2,245								685	555		1,005
+ X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	40	40										
+ X0325922	CELLULAR MODEM	EACH	2								1	1		
+ X0326148	TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	23										23	
+ X0326364	TEMPORARY AERIAL CABLE WITH MESSENGER WIRE	FOOT	3,600										3,600	
+ X0326899	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2	2										
+ X5020100	AGGREGATE COLUMN GROUND IMPROVEMENT	L SUM	1	1										
+ X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	14								6	8		
+ X0328020	CENTRACS LICENSE EXPANSION	EACH	2										2	
X0488100	REMOVING EXISTING SEPTIC TANK	EACH	1	1										
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	709	126		204		193	186					
+ X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	487								250	237		
+ X1400108	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	2								1	1		
+ X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2								1	1		

+ INDICATES SPECIALTY ITEM

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USER NAME = JackD	DESIGNED - MAG	REVISED -
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PLOT SCALE = 2.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 23 OF 27 SHEETS	STA.	TO STA.

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 28
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP URBAN	80% FED 20% STATE STP-U URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP URBAN	80% FED 15% STATE 5% LAKEWOOD HNPP URBAN
+ X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	2								1	1		
+ X1400216	LAYER II (DATALINK) SWITCH	EACH	2								1	1		
+ X1400217	TERMINATE FIBER IN CABINET	EACH	2										2	
+ X1400219	SPLICE FIBER IN CABINET	EACH	4										4	
+ X1400279	REMOVAL OF TEMPORARY LIGHTING CONTROLLER, NO SALVAGE	EACH	3											3
+ X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1								1			
+ X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4								1	3		
+ C2C12402	SHRUB-VIBURNUM PRUNIFOLIUM (BLACKHAW VIBURNUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	20	20										
X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	4,538	4,252	286									
+ X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	11	10	1									
+ X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	178,555	148,218	30,337									
X4020800	AGGREGATE SURFACE COURSE, TYPE B 12"	SQ YD	1,206	1,206										
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	26	25	1									
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	9	9										
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	16	15	1									

+ INDICATES SPECIALTY ITEM

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USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	CHECKED - SJG	REVISED -
PLOT SCALE = 2.0000' / in.	DATE - 12/15/2023	REVISED -
PLOT DATE = 12/19/2023		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 24 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	29
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP	80% FED 20% STATE STP-U	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	80% FED 20% STATE NHPP	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP	80% FED 15% STATE 5% LAKEWOOD HNPP
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
X4024100	TEMPORARY ACCESS (WINTERIZE)	SQ YD	4,338	4,122	216									
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1,200	1,200										
X5400405	PRECAST CONCRETE BOX CULVERTS 4' X 5' (SPECIAL)	FOOT	158	158										
X5610001	CLEANOUTS	EACH	20	20										
X6020090	MANHOLES, WITH RESTRICTOR PLATE	EACH	3		3									
X6060102	CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)	SQ FT	2,617	2,617										
X6060312	CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)	SQ FT	7,008	5,881	1,127									
X6640525	CHAIN LINK FENCE, 4' ATTACHED TO STRUCTURE	FOOT	705	705										
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	24	24										
X6700600	ENGINEER'S FIELD LABORATORY (SPECIAL)	CAL MO	24	24										
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1										
X7010410	SPEED DISPLAY TRAILER	CAL MO	144	144										
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	74	74										
+ X8211008	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	23										23	
+ X8250060	TEMPORARY LIGHTING CONTROLLER	EACH	3										3	

+ INDICATES SPECIALTY ITEM

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USER NAME = JackD	DESIGNED - MAG	REVISED -
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PLOT SCALE = 2.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 25 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	30
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

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 FILE NAME: S:\Q\16300-0399\16300-0399\MICRO\CAD\_Sheets\16300-0399-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP URBAN	80% FED 20% STATE STP-U URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP URBAN	80% FED 15% STATE 5% LAKEWOOD HNPP URBAN
+ X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2								1	1		
+ X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	5,415										5,415	
+ X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	3	3										
+ X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16								8	8		
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20								8	12		
+ X8710049	POE EXTENDER	EACH	1								1			
+ Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1										
+ Z0023201	SEDIMENT CONTROL, SILT CURTAIN	EACH	1	1										
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	567	567										
Z0030900	INSPECTION WELLS	EACH	10	10										
+ Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	69											69
+ Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24											24
+ Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1										1	
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	795	795										
X7830052	RAISED REFLECTOR PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	74	74										

+ INDICATES SPECIALTY ITEM



USER NAME = JackD	DESIGNED - MAG	REVISED -
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PLOT SCALE = 2.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>			
SCALE:	SHEET 26 OF 27 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	31
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	PLEASANT VALLEY ROADWAY	CULVERT REPLACEMENT S.N. #056-0309 0010	CULVERT REPLACEMENT S.N. #056-0310 0010	CULVERT REPLACEMENT S.N. #056-0311 0010	CULVERT REPLACEMENT S.N. #056-0110 0010	TRAFFIC SIGNALS 0021			STREET LIGHTING 0021	EVP
				80% FED 20% STATE NHPP URBAN	80% FED 20% STATE STP-U URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	80% FED 20% STATE NHPP URBAN	IL 47 AT IL 176 WEST	IL 47 AT IL 176 EAST	INTERCONNECT	80% FED 20% STATE NHPP URBAN	80% FED 15% STATE 5% LAKEWOOD HNPP URBAN
Z0054400	ROCK FILL	CU YD	1,165	202		163	714	86						
Z0062456	TEMPORARY PAVEMENT	SQ YD	26,517	26,517										
Z0065740	SLOTTED DRAIN 12" WITH VARIABLE SLOT	FOOT	91	91										
Z0073500	TEMPORARY SUPPORT SYSTEM	L SUM	1				1							
+ Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2							1	1			
X2800304	BEST MANAGEMENT PRACTICES DITCH CHECK	EACH	40	33	7									
550A0326	STORM SEWERS, CLASS A, TYPE 2, 6"	FOOT	104	104										
54010202	PRECAST CONCRETE BOX CULVERTS 2' X 2'	FOOT	68	68										
+ A2007160	TREE, QUERCUS ROBUR X ALBA 'JFS-KW1QX' (STREETSPIRE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5										
Ø Z0077600	TRAINEES	HOURS	1500	1500										
Ø Z00776004	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	1500	1500										

+ INDICATES SPECIALTY ITEM

Ø 0042

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1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200  
 STRAND ASSOCIATES

USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	CHECKED - SJG	REVISED -
PLOT SCALE = 2.0000' / in.	DATE - 12/15/2023	REVISED -
PLOT DATE = 12/19/2023		

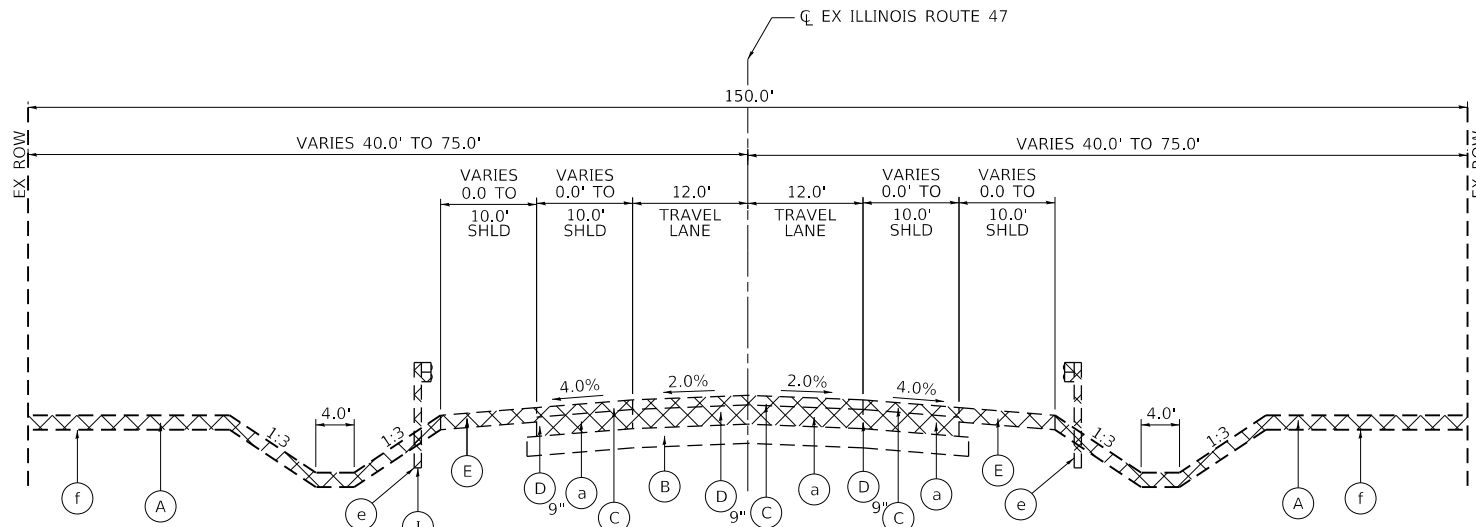
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

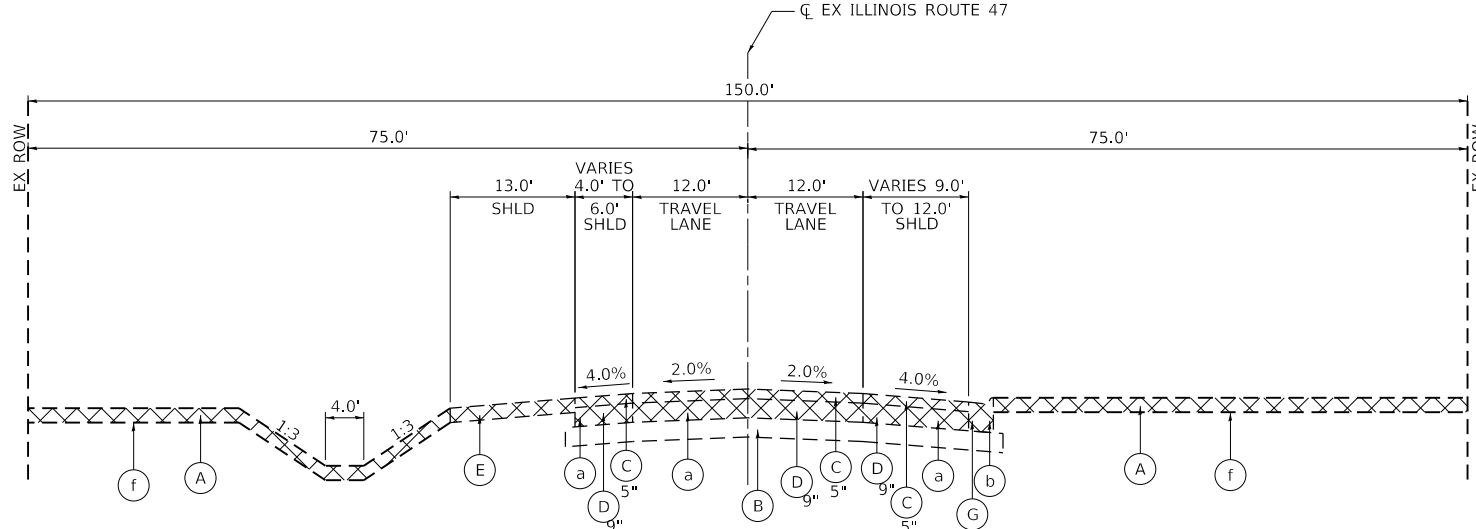
SCALE: SHEET 27 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	32
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

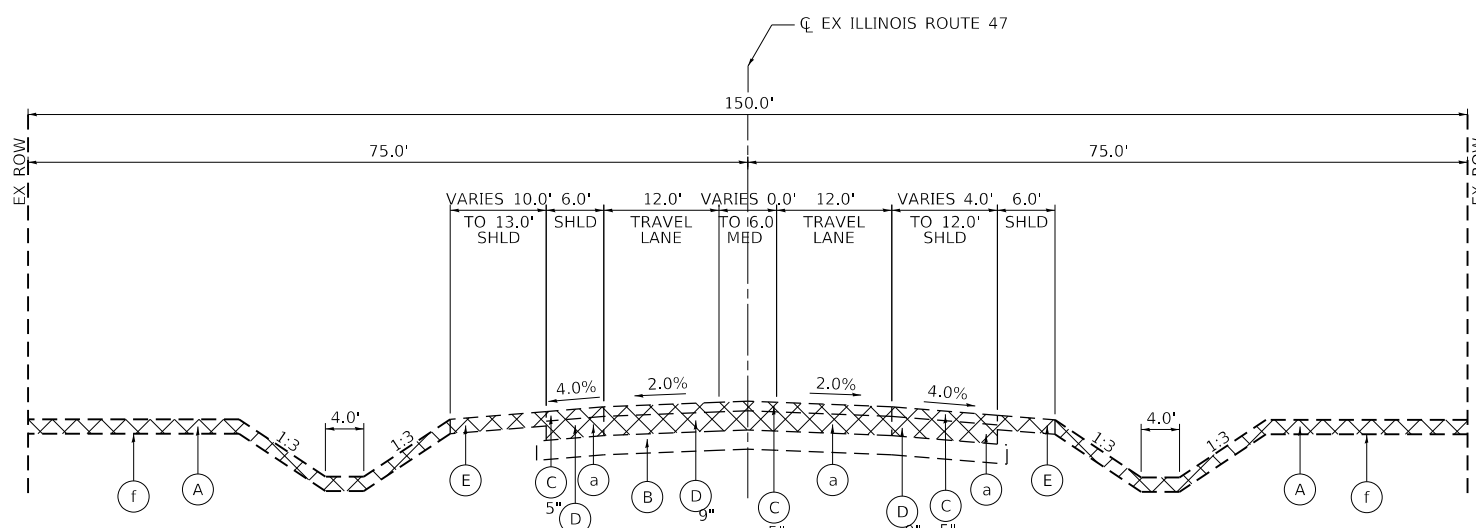




**ILLINOIS ROUTE 47 EXISTING TYPICAL SECTION**  
 STA. 565+80.11 TO STA. 577+40.32  
 STA. 602+82.64 TO STA. 621+33.91  
 STA. 640+31.81 TO STA. 660+91.74



**ILLINOIS ROUTE 47 EXISTING TYPICAL SECTION**  
 STA. 577+40.32 TO STA. 582+08.11



**ILLINOIS ROUTE 47 EXISTING TYPICAL SECTION**  
 STA. 582+08.11 TO STA. 583+70.47  
 STA. 600+16.29 TO STA. 602+82.64  
 STA. 621+33.91 TO STA. 623+63.73  
 STA. 638+78.68 TO STA. 640+31.81

- EXISTING LEGEND**
- (A) EXISTING TOPSOIL, 15"
  - (B) EXISTING AGGREGATE SUBBASE, VARIES
  - (C) EXISTING HMA PAVEMENT, VARIES 5" TO 15"
  - (D) EXISTING PCC PAVEMENT, VARIES 8" TO 9"
  - (E) EXISTING AGGREGATE SHOULDERS
  - (F) EXISTING HMA SHOULDERS, VARIES
  - (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER
  - (H) EXISTING PCC MEDIAN
  - (I) EXISTING STEEL PLATE BEAM GUARDRAIL

- REMOVAL LEGEND**
- (a) PAVEMENT REMOVAL
  - (b) COMBINATION CURB AND GUTTER REMOVAL
  - (c) MEDIAN REMOVAL
  - (d) PAVED SHOULDER REMOVAL
  - (e) GUARDRAIL REMOVAL
  - (f) TOPSOIL EXCAVATION
  - ⊗ REMOVAL ITEMS

MODEL: D:\4\1170\_SOUTH\_HOUBOLT\_ROAD\1170\_SOUTH\_HOUBOLT\_ROAD\CAD\_Sheets\1170\_SOUTH\_HOUBOLT\_ROAD\1170\_SOUTH\_HOUBOLT\_ROAD\_1170\_SOUTH\_HOUBOLT\_ROAD\_1170\_SOUTH\_HOUBOLT\_ROAD\_1170\_SOUTH\_HOUBOLT\_ROAD.dgn  
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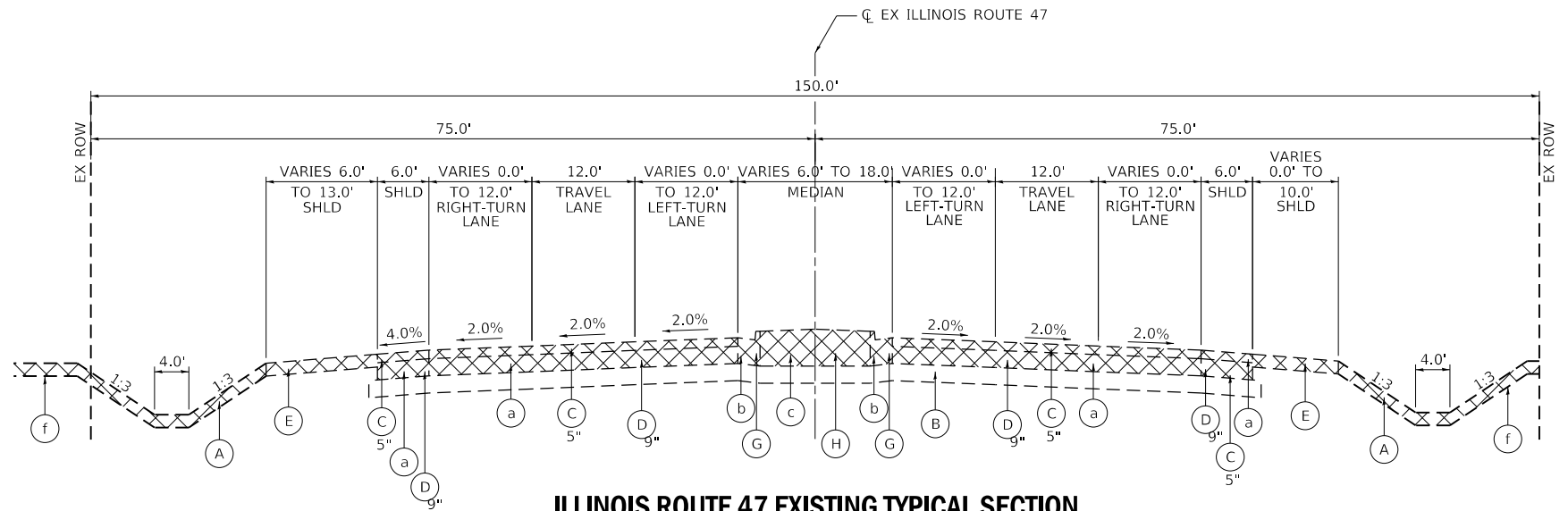


USER NAME = JackD	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	CHECKED -	REVISED -
PLOT DATE = 12/19/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

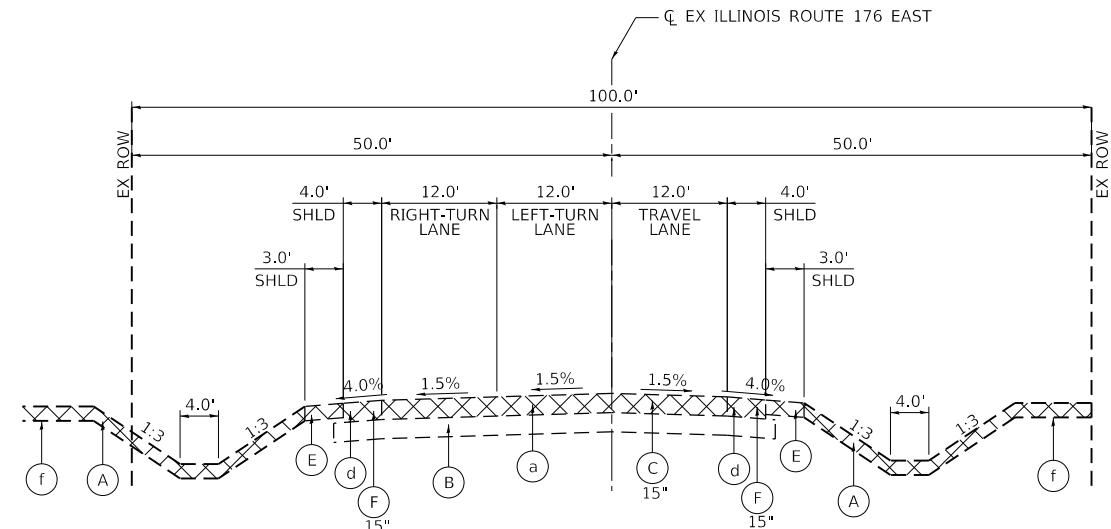
**EXISTING TYPICAL SECTIONS**  
 SCALE: SHEET 1 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	33
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



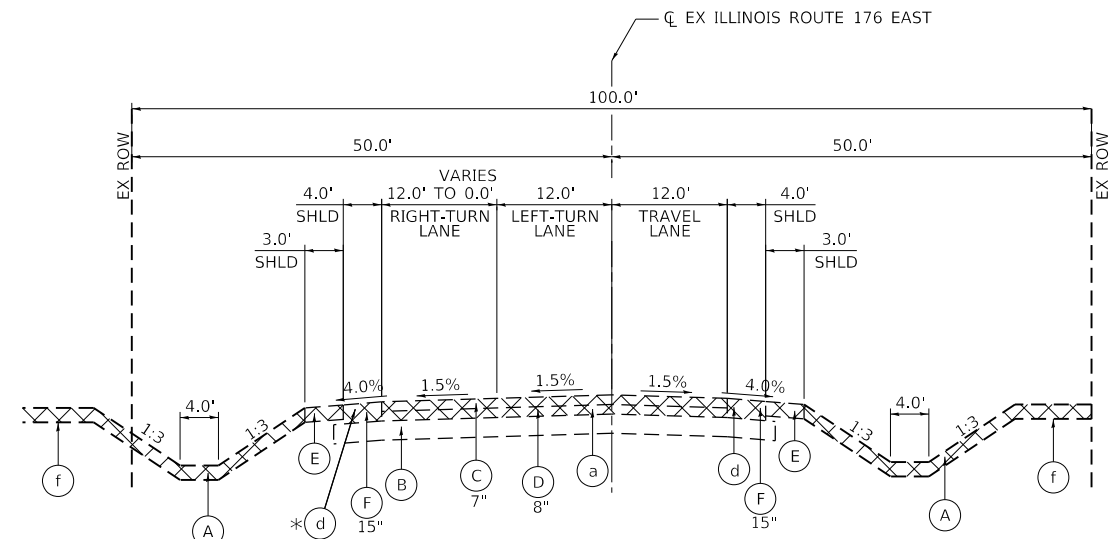
**ILLINOIS ROUTE 47 EXISTING TYPICAL SECTION**

STA. 583+70.47 TO STA. 600+16.29  
 STA. 623+63.73 TO STA. 638+78.68



**ILLINOIS ROUTE 176 EAST EXISTING TYPICAL SECTION**

STA. 300+00.00 TO STA. 305+00.91



**ILLINOIS ROUTE 176 EAST EXISTING TYPICAL SECTION**

STA. 305+00.91 TO STA. 316+64.74

**EXISTING LEGEND**

- (A) EXISTING TOPSOIL, 15"
- (B) EXISTING AGGREGATE SUBBASE, VARIES
- (C) EXISTING HMA PAVEMENT, VARIES 5" TO 15"
- (D) EXISTING PCC PAVEMENT, VARIES 8" TO 9"
- (E) EXISTING AGGREGATE SHOULDERS
- (F) EXISTING HMA SHOULDERS, VARIES
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (H) EXISTING PCC MEDIAN
- (I) EXISTING STEEL PLATE BEAM GUARDRAIL

**REMOVAL LEGEND**

- (a) PAVEMENT REMOVAL
- (b) COMBINATION CURB AND GUTTER REMOVAL
- (c) MEDIAN REMOVAL
- (d) PAVED SHOULDER REMOVAL
- (e) GUARDRAIL REMOVAL
- (f) TOPSOIL EXCAVATION
- ⊗ REMOVAL ITEMS

\* PAVED SHOULDER REMOVAL  
 STA. 305+00.91 TO STA. 307+68.04

MODEL D:\6461\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170\_SHT\_01\_Typical.dgn  
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USER NAME = JackD	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

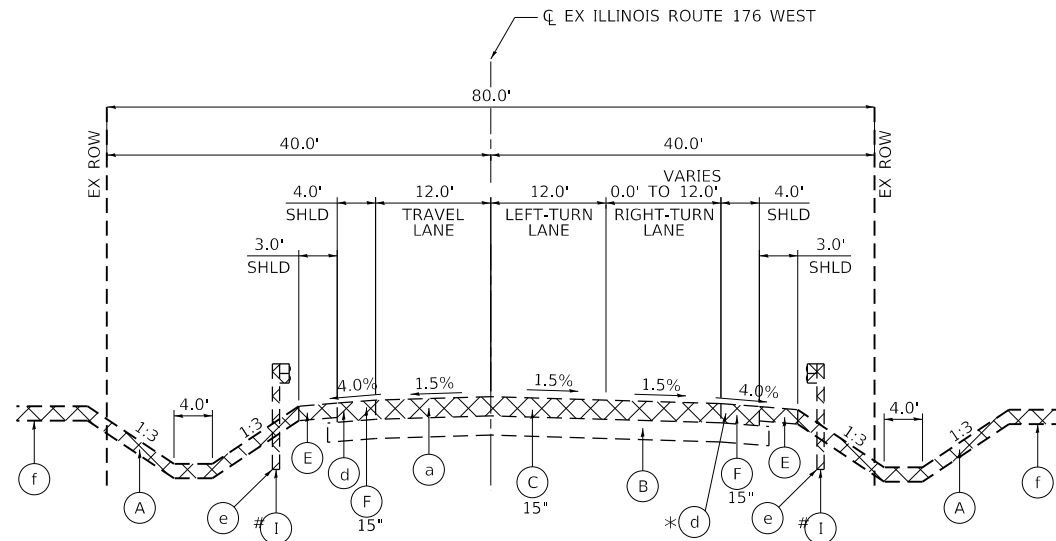
**EXISTING TYPICAL SECTIONS**

SCALE: SHEET 2 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	34
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

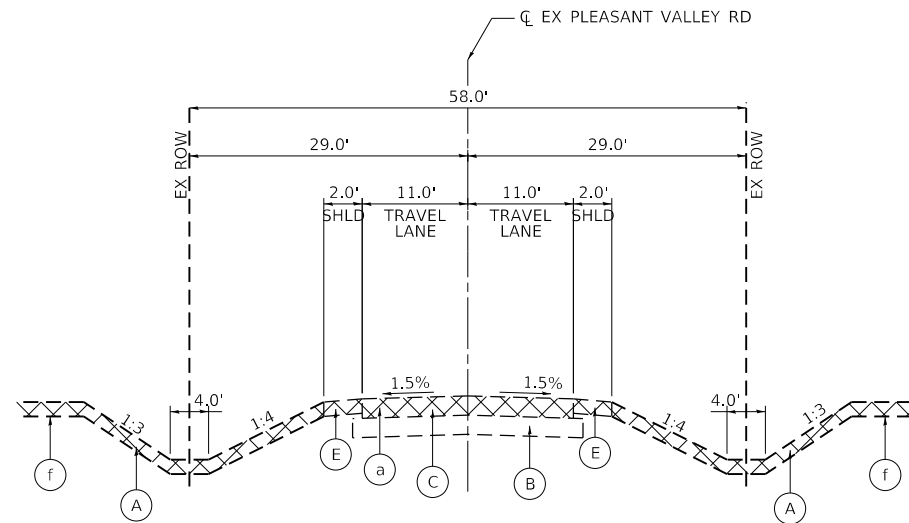
# EXISTING STEEL PLATE BEAM GUARDRAIL  
STA. 403+63.33 TO STA. 405+09.49

\* PAVED SHOULDER REMOVAL  
STA. 421+25.52 TO STA. 425+08.91

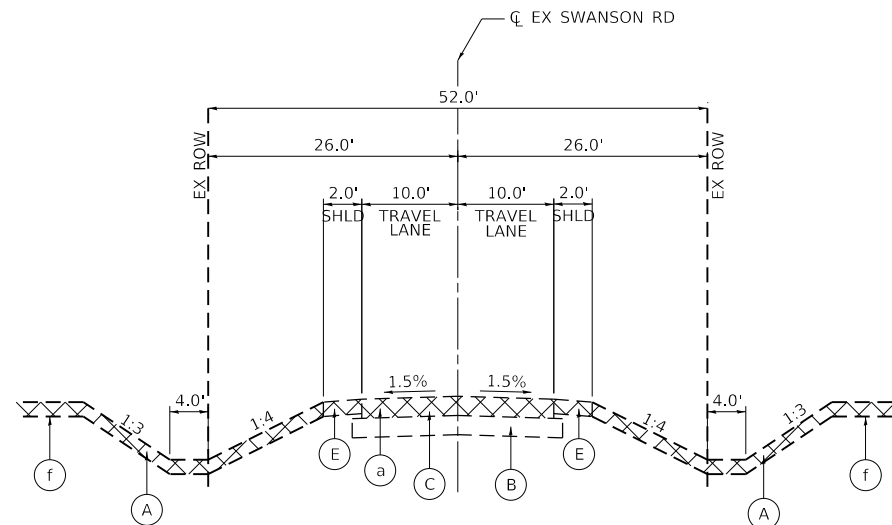


**ILLINOIS ROUTE 176 WEST EXISTING TYPICAL SECTION**

STA. 404+20.04 TO STA. 429+00.13



**PLEASANT VALLEY ROAD EXISTING TYPICAL SECTION**



**SWANSON ROAD EXISTING TYPICAL SECTION**

STA. 502+16.66 TO STA. 507+65.60

**EXISTING LEGEND**

- (A) EXISTING TOPSOIL, 15"
- (B) EXISTING AGGREGATE SUBBASE, VARIES
- (C) EXISTING HMA PAVEMENT, VARIES 5" TO 15"
- (D) EXISTING PCC PAVEMENT, VARIES 8" TO 9"
- (E) EXISTING AGGREGATE SHOULDERS
- (F) EXISTING HMA SHOULDERS, VARIES
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (H) EXISTING PCC MEDIAN
- (I) EXISTING STEEL PLATE BEAM GUARDRAIL

**REMOVAL LEGEND**

- (a) PAVEMENT REMOVAL
- (b) COMBINATION CURB AND GUTTER REMOVAL
- (c) MEDIAN REMOVAL
- (d) PAVED SHOULDER REMOVAL
- (e) GUARDRAIL REMOVAL
- (f) TOPSOIL EXCAVATION
- (X) REMOVAL ITEMS

MODEL D:\64617\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\162B43-2-shc-typical.dgn

**SA STRAND ASSOCIATES**  
1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

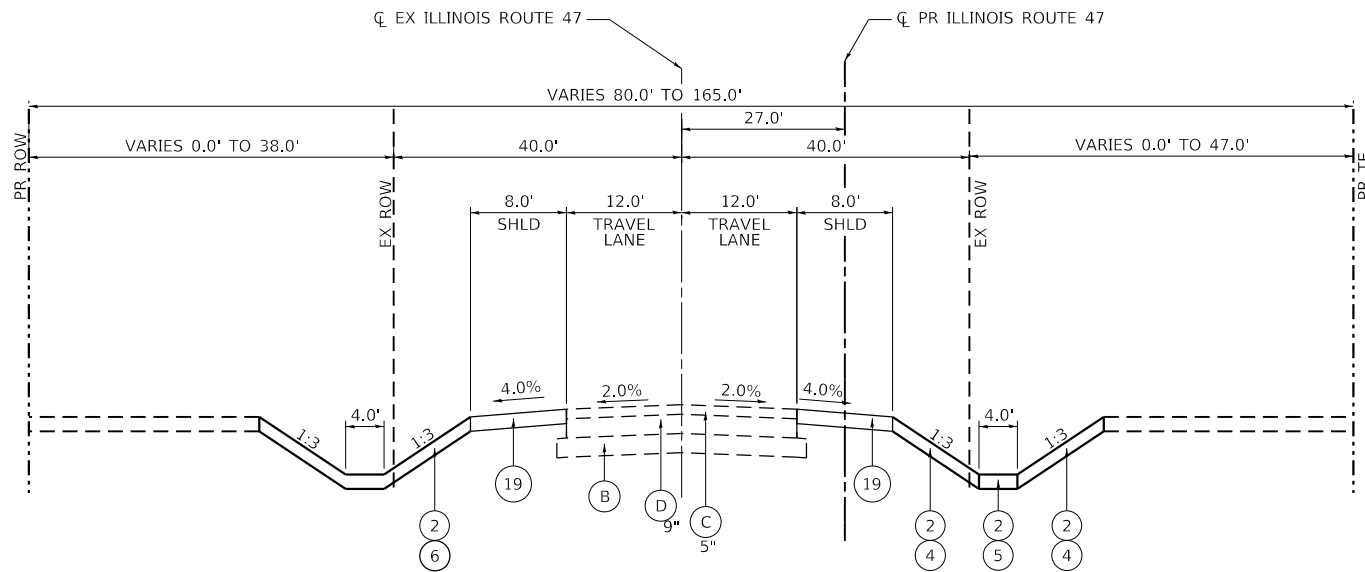
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PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

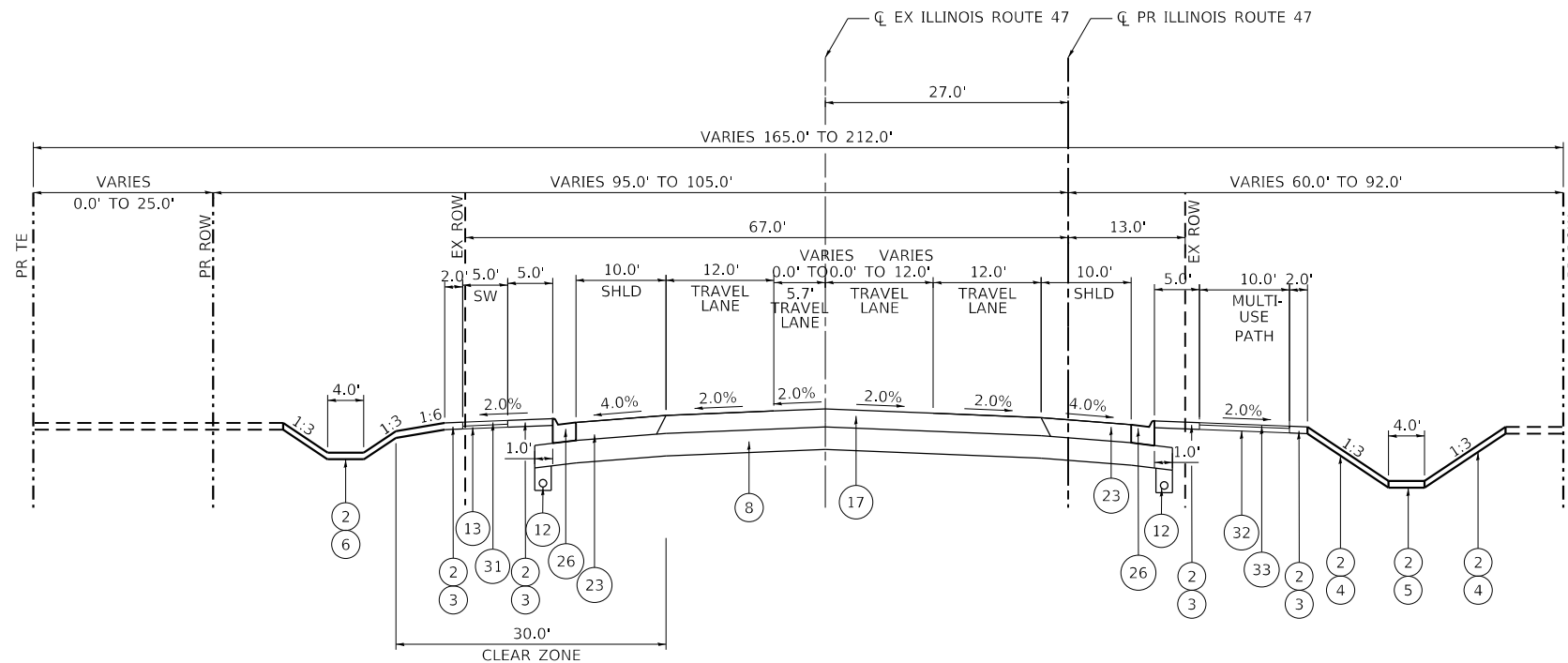
**EXISTING TYPICAL SECTIONS**

SCALE: SHEET 3 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	35
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION**  
 STA. 558+92.07 TO STA. 565+80.11



**ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION**  
 STA. 565+80.11 TO STA. 572+39.12

**EXISTING LEGEND**

- (A) EXISTING TOPSOIL, 15"
- (B) EXISTING AGGREGATE SUBBASE, VARIES
- (C) EXISTING HMA PAVEMENT, VARIES 5" TO 15"
- (D) EXISTING PCC PAVEMENT, VARIES 8" TO 9"
- (E) EXISTING AGGREGATE SHOULDERS
- (F) EXISTING HMA SHOULDERS, VARIES
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (H) EXISTING PCC MEDIAN
- (I) EXISTING STEEL PLATE BEAM GUARDRAIL

**REMOVAL LEGEND**

- (a) PAVEMENT REMOVAL
- (b) COMBINATION CURB AND GUTTER REMOVAL
- (c) MEDIAN REMOVAL
- (d) PAVED SHOULDER REMOVAL
- (e) GUARDRAIL REMOVAL
- (f) TOPSOIL EXCAVATION
- ☒ REMOVAL ITEMS

**PROPOSED LEGEND**

- (1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (2) 6" TOPSOIL PLACEMENT
- (3) SEEDING, CLASS 2A
- (4) SEEDING, CLASS 4
- (5) SEEDING, CLASS 4B (MODIFIED)
- (6) SODDING, SALT TOLERANT
- (7) AGGREGATE SUBGRADE IMPROVEMENT
- (8) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (9) BIOSWALE (SEE DETAIL)
- (10) SUBBASE GRANULAR MATERIAL, TYPE C
- (11) PIPE UNDERDRAIN, TYPE 1, 6"
- (12) PIPE UNDERDRAIN, TYPE 2, 4"
- (13) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (14) HIGH TENSION CABLE MEDIAN BARRIER
- (15) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- (16) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- (17) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- (18) CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- (19) AGGREGATE SHOULDERS, TYPE B, 10"
- (20) HOT-MIX ASPHALT SHOULDERS, 7"
- (21) HOT-MIX ASPHALT SHOULDERS, 8"
- (22) HOT-MIX ASPHALT SHOULDERS, 10"
- (23) HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- (24) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- (25) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (26) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- (27) CONCRETE MEDIAN SURFACE, 6 INCH
- (28) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (29) CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- (30) CONCRETE MEDIAN, TYPE SM-4.24
- (31) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (32) AGGREGATE BASE COURSE, TYPE B, 6"
- (33) HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

MODEL: D:\4611\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\CAD\_Sheet1170-23.dwg



USER NAME = JackD	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

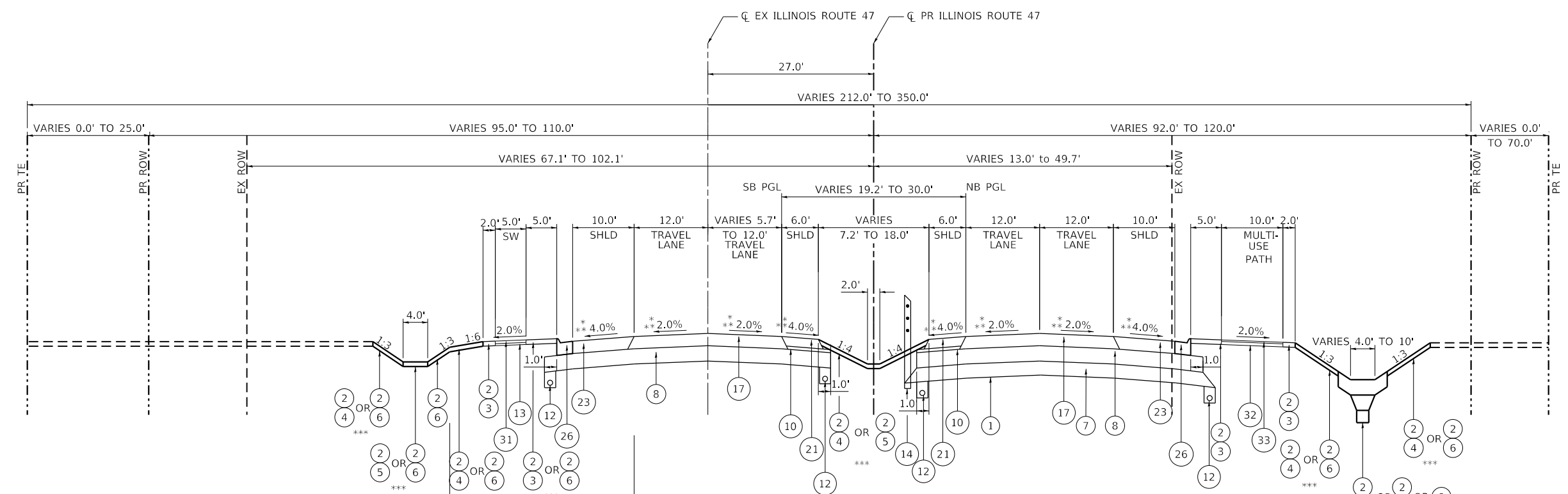
ILLINOIS ROUTE 47 TYPICAL SECTIONS	
SCALE:	SHEET 4 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

**PROPOSED LEGEND**

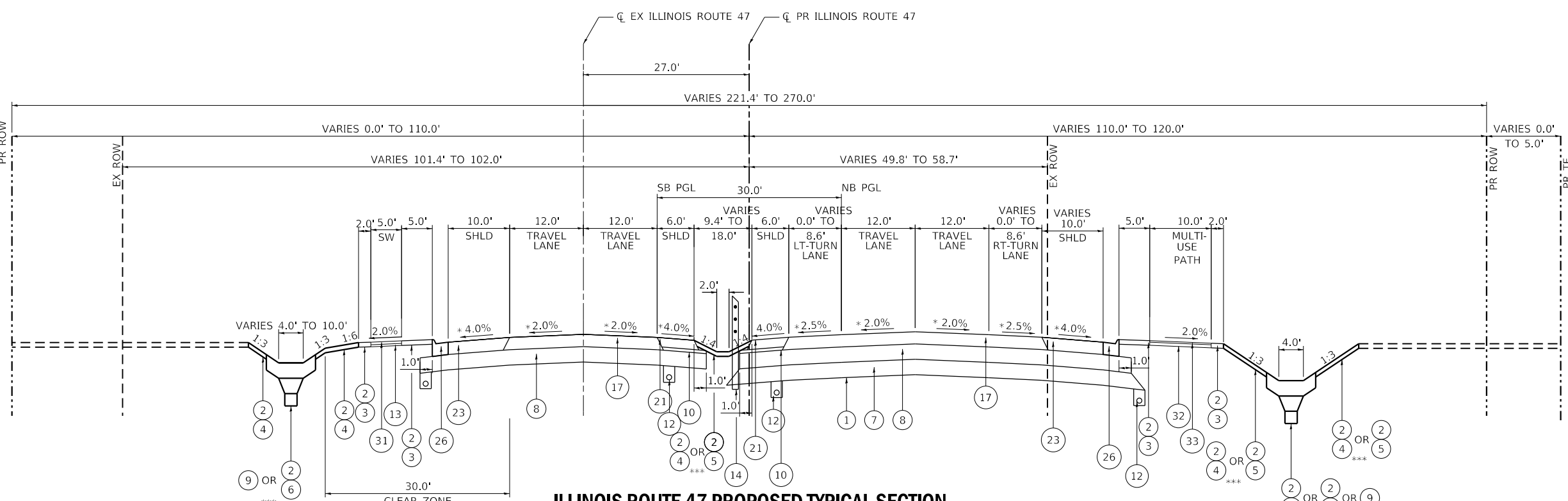
- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
- 12 PIPE UNDERDRAIN, TYPE 2, 4"
- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 14 HIGH TENSION CABLE MEDIAN BARRIER
- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- 16 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
- 20 HOT-MIX ASPHALT SHOULDERS, 7"
- 21 HOT-MIX ASPHALT SHOULDERS, 8"
- 22 HOT-MIX ASPHALT SHOULDERS, 10"
- 23 HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.



**ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION**

STA. 572+39.12 TO STA. 582+66.19  
 \* SEE SUPERELEVATION TABLE 1 FOR GRADES FROM STA. 572+39.12 TO STA. 573+49.12  
 \*\* SEE SUPERELEVATION TABLES 3 AND 4 FOR GRADES FROM STA. 580+97.62 TO STA. 582+66.19  
 \*\*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



**ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION**

STA. 582+66.19 TO STA. 584+31.39  
 \* SEE SUPERELEVATION TABLES 3 AND 4 FOR GRADES FROM STA. 582+66.19 TO STA. 584+31.39  
 \*\*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

MODEL: D:\m\p\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170\_SOUTH\_HOUBOLT\_ROAD\1170\_SOUTH\_HOUBOLT\_ROAD.dgn



1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISD -  
 REVISD -  
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 REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 47  
 TYPICAL SECTIONS**

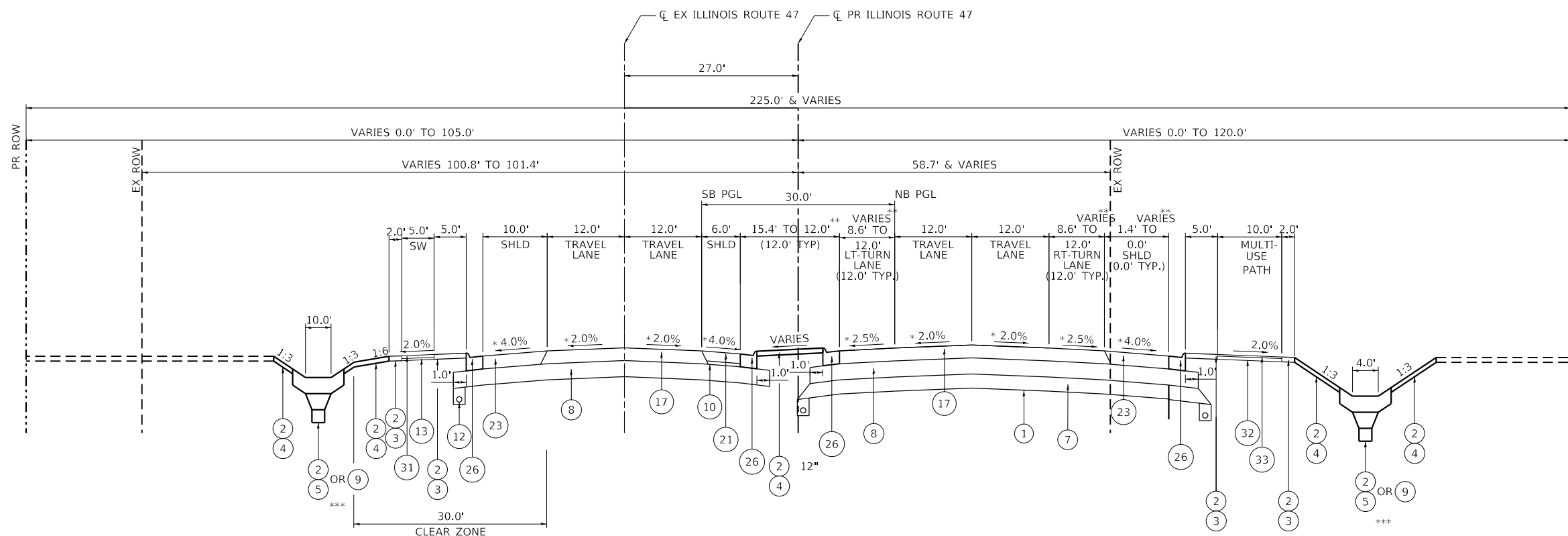
SCALE: SHEET 5 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	37
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

### PROPOSED LEGEND

- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
- 12 PIPE UNDERDRAIN, TYPE 2, 4"
- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 14 HIGH TENSION CABLE MEDIAN BARRIER
- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- 16 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
- 20 HOT-MIX ASPHALT SHOULDERS, 7"
- 21 HOT-MIX ASPHALT SHOULDERS, 8"
- 22 HOT-MIX ASPHALT SHOULDERS, 10"
- 23 HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.



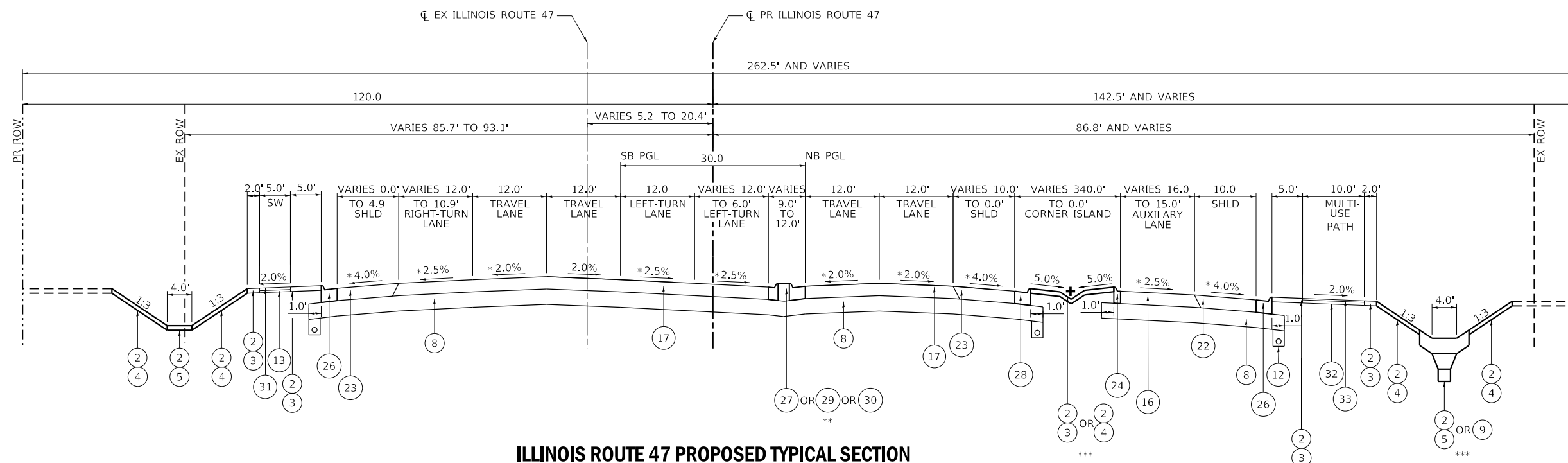
### ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION

STA. 584+31.39 TO STA. 588+59.19

\* SEE SUPERELEVATION TABLES 3 AND 4 FOR GRADES FROM STA. 584+34.39 TO STA. 588+59.19

\*\* SEE PLAN AND PROFILE SHEETS FOR VARIABLE LOCATIONS

\*\*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



### ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION

STA. 588+59.19 TO STA. 593+77.73

\* SEE SUPERELEVATION TABLES 3 AND 4 FOR GRADES FROM STA. 588+59.19 TO STA. 593+77.73

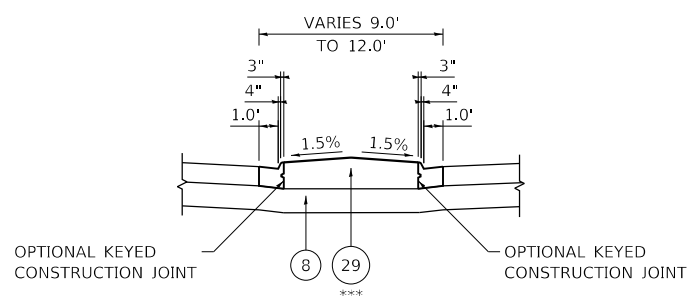
\*\* SEE PLAN SHEETS FOR SPECIFIC LOCATIONS

\*\*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

+ FORESLOPES VARY INSIDE MEDIAN

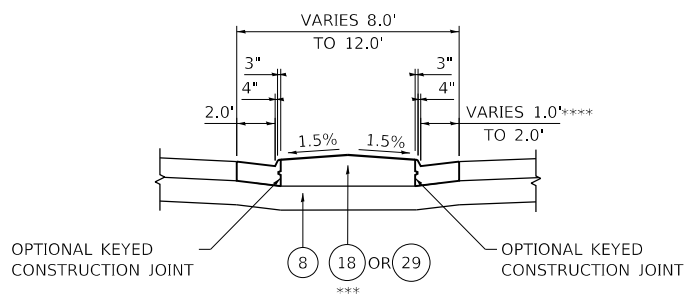
### PROPOSED LEGEND

- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
- 12 PIPE UNDERDRAIN, TYPE 2, 4"
- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 14 HIGH TENSION CABLE MEDIAN BARRIER
- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- 16 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
- 20 HOT-MIX ASPHALT SHOULDERS, 7"
- 21 HOT-MIX ASPHALT SHOULDERS, 8"
- 22 HOT-MIX ASPHALT SHOULDERS, 10"
- 23 HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"



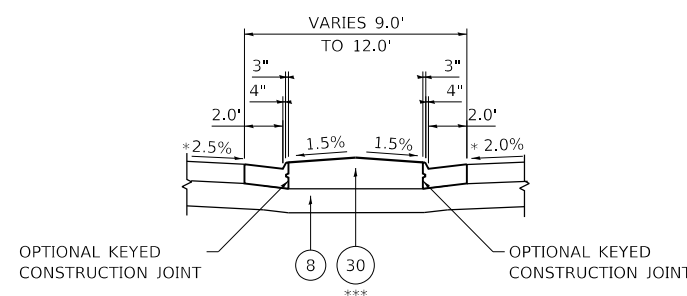
### PROPOSED CONCRETE MEDIAN, TYPE SM-4.12

\*\*\* SEE PLAN SHEETS FOR SPECIFIC LOCATIONS  
SEE SE DIAGRAMS FOR GUTTER SLOPES



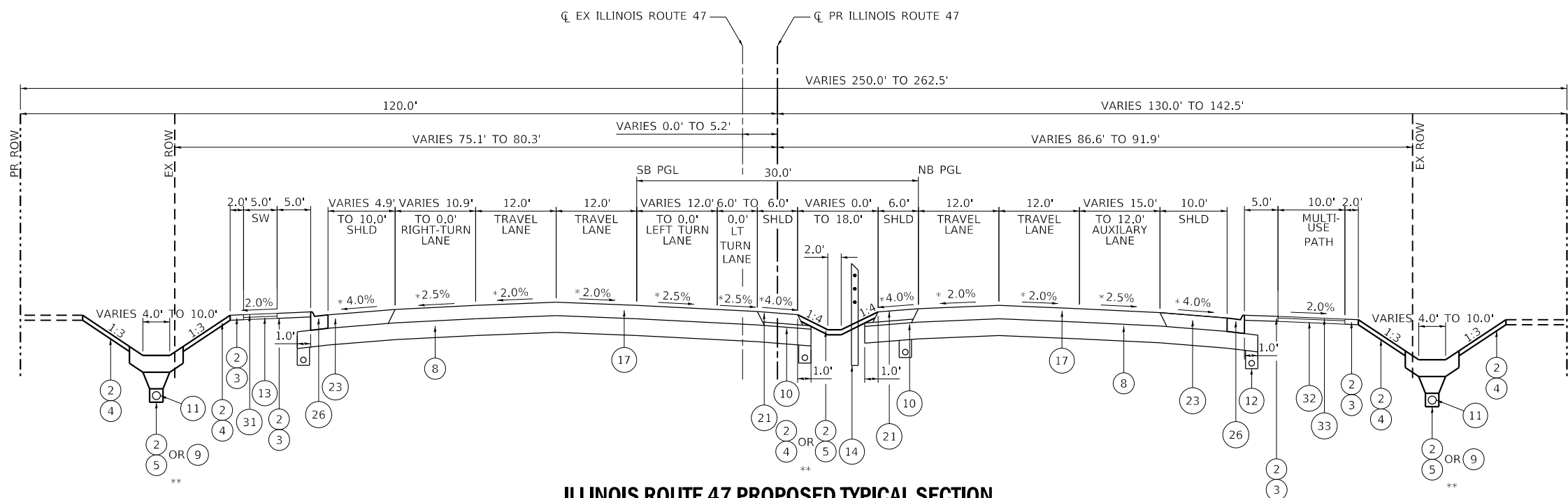
### PROPOSED CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL) & TYPE SM-6.12 (SPECIAL)

\*\*\* SEE PLAN SHEETS FOR SPECIFIC LOCATIONS  
SEE SE DIAGRAMS FOR GUTTER SLOPES  
\*\*\*\* VARIES ADJACENT TO LEFT TURN LANES



### PROPOSED CONCRETE MEDIAN, TYPE SM-4.24

\*\*\* SEE PLAN SHEETS FOR SPECIFIC LOCATIONS  
SEE SE DIAGRAMS FOR GUTTER SLOPES



### ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION

STA. 593+77.73 TO STA. 595+78.70  
\* SEE SUPERELEVATION TABLES 3 AND 4 FOR GRADES FROM STA. 580+97.62 TO STA. 596+45.47  
\*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

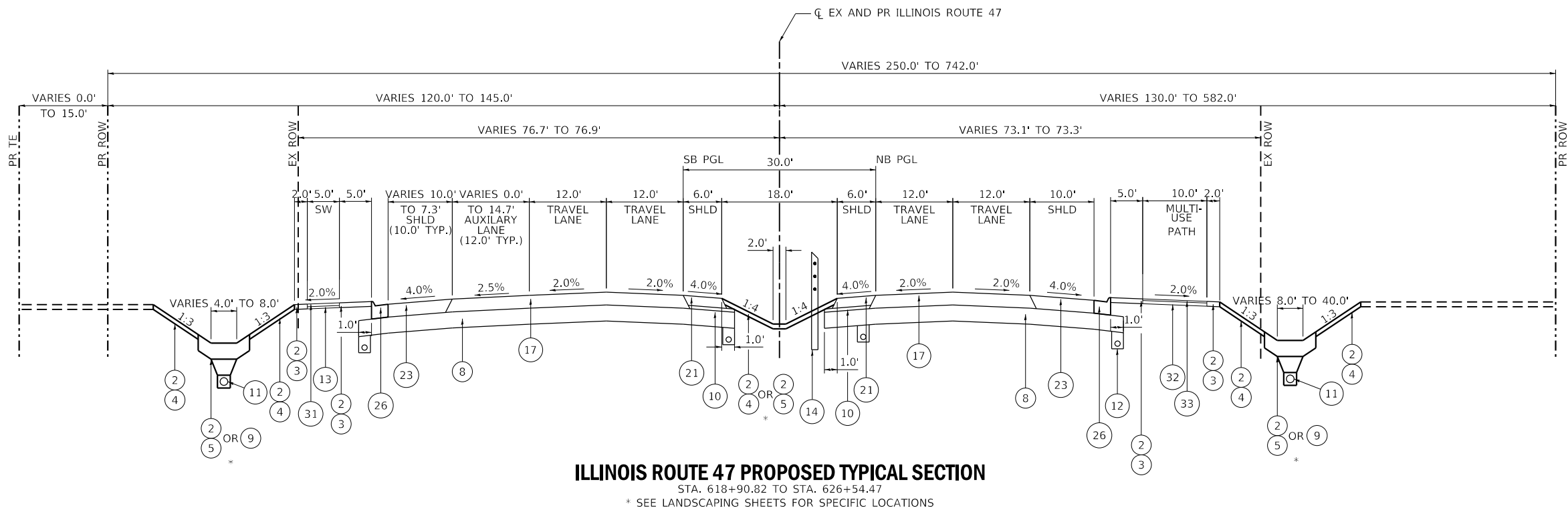
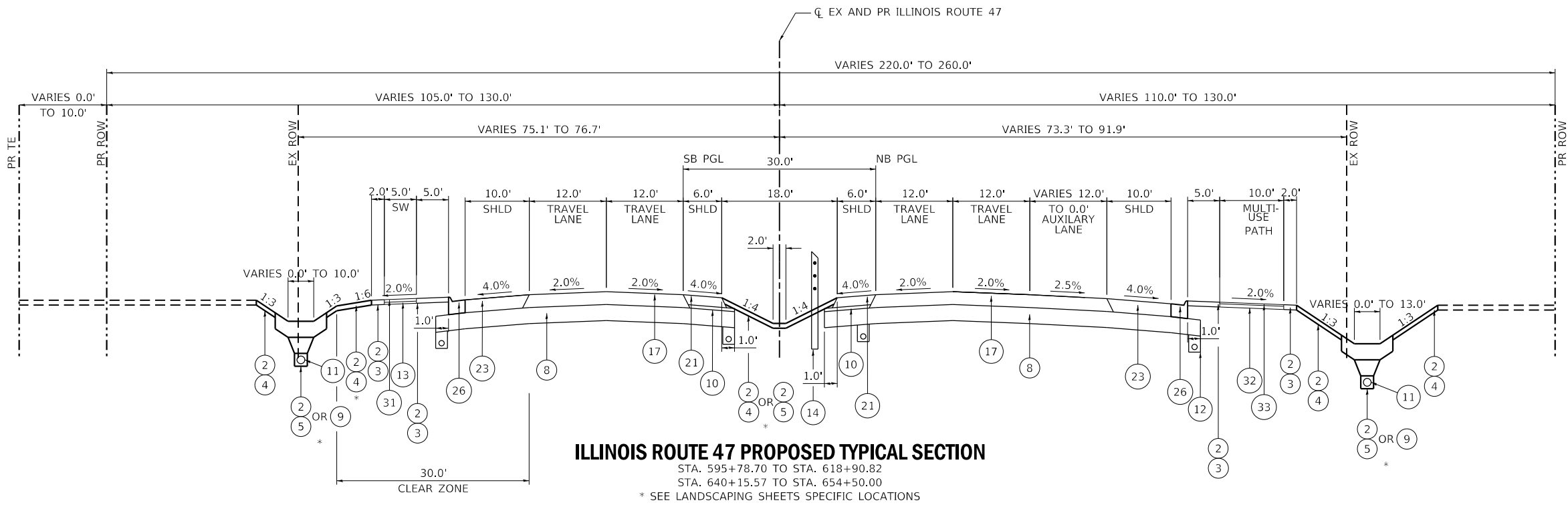
NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

MODEL: D:\mfc\11770\_SOUTH\_HOUBOLT\_ROAD\11770\_SOUTH\_HOUBOLT\_ROAD\CAD\_Sheets\11770\_SOUTH\_HOUBOLT\_ROAD\CAD\_Sheets\11770\_SOUTH\_HOUBOLT\_ROAD\11770\_SOUTH\_HOUBOLT\_ROAD\_TYPICAL.dgn

	1170 SOUTH HOUBOLT ROAD JULIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JackD DESIGNED - DRAWN - PLOT SCALE = 20.0000 ft / in. PLOT DATE = 12/19/2023	DESIGNED - DRAWN - CHECKED - DATE - REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 47</b> <b>TYPICAL SECTIONS</b>	F.A.P. RTE. 326 SECTION 105-N-2(15) COUNTY MCHENRY TOTAL SHEETS 803 SHEET NO. 39 CONTRACT NO. 62B43 ILLINOIS FED. AID PROJECT
	SCALE: SHEET 7 OF 26 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT	

### PROPOSED LEGEND

- ① GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ② 6" TOPSOIL PLACEMENT
- ③ SEEDING, CLASS 2A
- ④ SEEDING, CLASS 4
- ⑤ SEEDING, CLASS 4B (MODIFIED)
- ⑥ SODDING, SALT TOLERANT
- ⑦ AGGREGATE SUBGRADE IMPROVEMENT
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑨ BIOSWALE (SEE DETAIL)
- ⑩ SUBBASE GRANULAR MATERIAL, TYPE C
- ⑪ PIPE UNDERDRAIN, TYPE 1, 6"
- ⑫ PIPE UNDERDRAIN, TYPE 2, 4"
- ⑬ SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑭ HIGH TENSION CABLE MEDIAN BARRIER
- ⑮ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- ⑯ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- ⑰ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- ⑱ CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- ⑲ AGGREGATE SHOULDERS, TYPE B, 10"
- ⑳ HOT-MIX ASPHALT SHOULDERS, 7"
- ㉑ HOT-MIX ASPHALT SHOULDERS, 8"
- ㉒ HOT-MIX ASPHALT SHOULDERS, 10"
- ㉓ HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- ㉔ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- ㉕ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- ㉖ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ㉗ CONCRETE MEDIAN SURFACE, 6 INCH
- ㉘ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- ㉙ CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- ㉚ CONCRETE MEDIAN, TYPE SM-4.24
- ㉛ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ㉜ AGGREGATE BASE COURSE, TYPE B, 6"
- ㉝ HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"



NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

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	USER NAME = JackD	DESIGNED -	REVISED -
	PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
	PLOT DATE = 12/19/2023	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 47  
TYPICAL SECTIONS**  
 SCALE: SHEET 8 OF 26 SHEETS STA. TO STA.

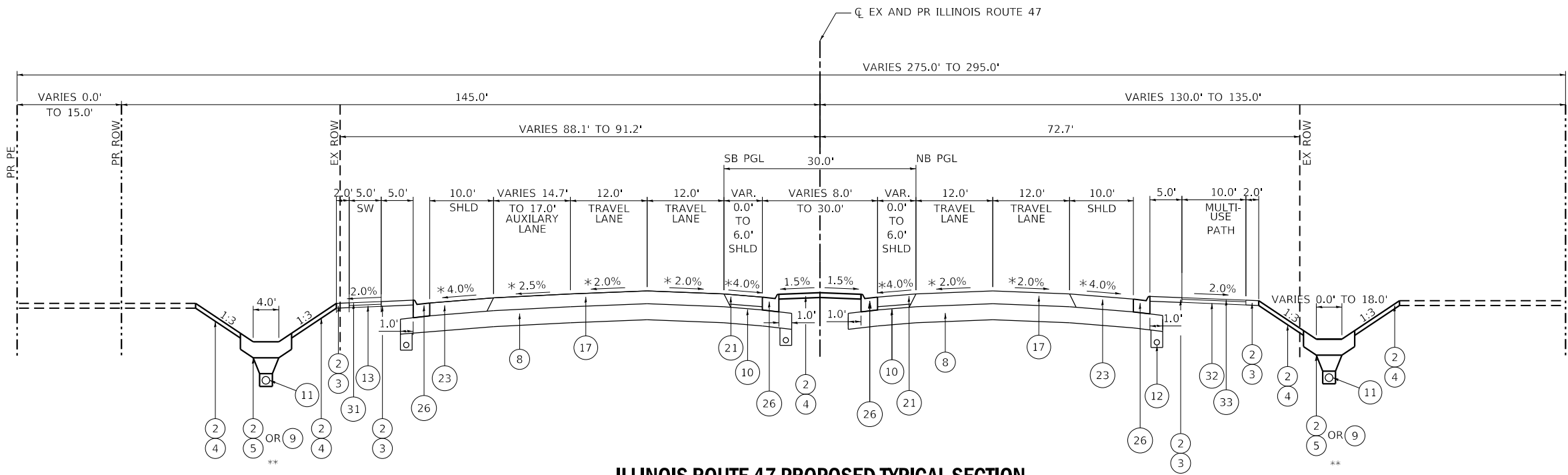
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	40
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**PROPOSED LEGEND**

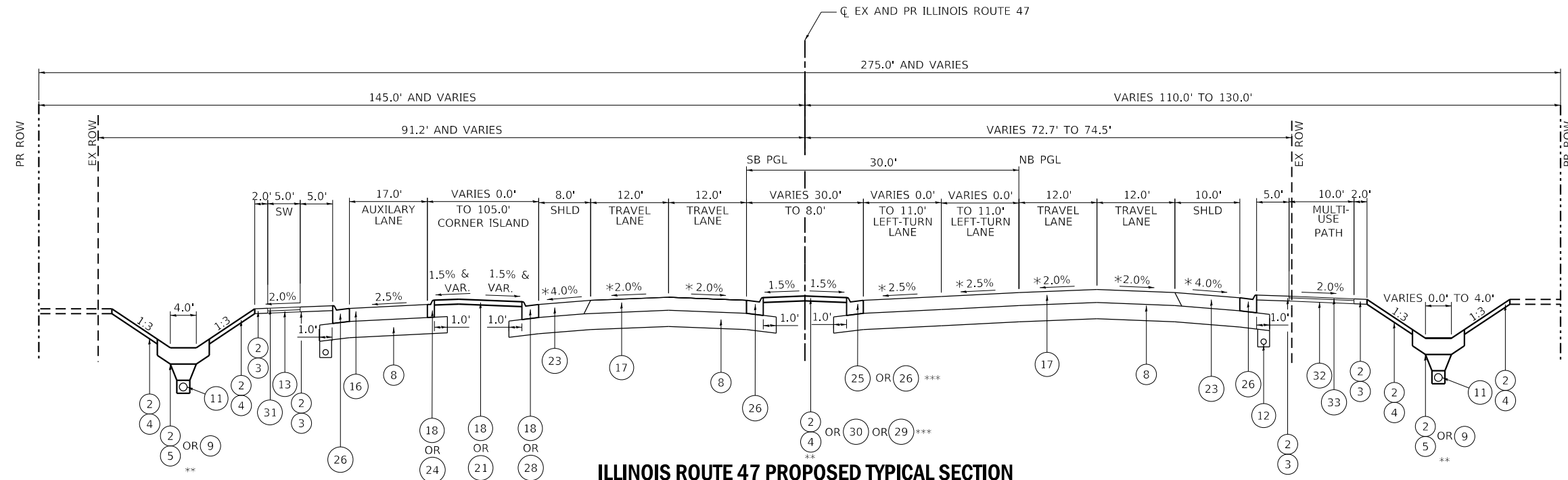
- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
- 12 PIPE UNDERDRAIN, TYPE 2, 4"
- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 14 HIGH TENSION CABLE MEDIAN BARRIER
- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- 16 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
- 20 HOT-MIX ASPHALT SHOULDERS, 7"
- 21 HOT-MIX ASPHALT SHOULDERS, 8"
- 22 HOT-MIX ASPHALT SHOULDERS, 10"
- 23 HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.



**ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION**

STA. 626+54.47 TO STA. 627+74.41  
 \* SEE SUPERELEVATION TABLES 5 AND 6 FOR GRADES FROM STA. 626+54.47 TO STA. 627+74.41  
 \*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



**ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION**

STA. 627+74.41 TO STA. 633+84.58  
 \* SEE SUPERELEVATION TABLES 5 AND 6 FOR GRADES FROM STA. 627+74.41 TO STA. 633+84.58  
 \*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS  
 \*\*\* SEE PLAN SHEETS FOR SPECIFIC LOCATIONS

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1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200  
 USER NAME = JackD  
 PLOT SCALE = 20.0000 ft / in.  
 PLOT DATE = 12/19/2023

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 47  
 TYPICAL SECTIONS**

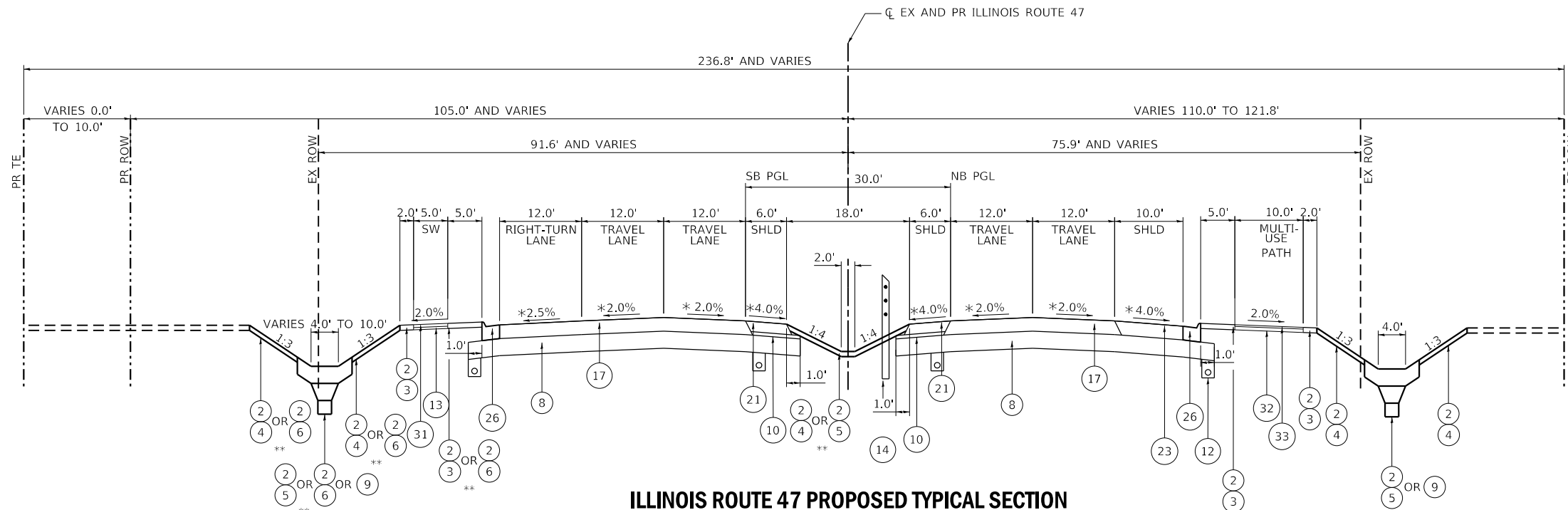
SCALE: SHEET 9 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B43	

**PROPOSED LEGEND**

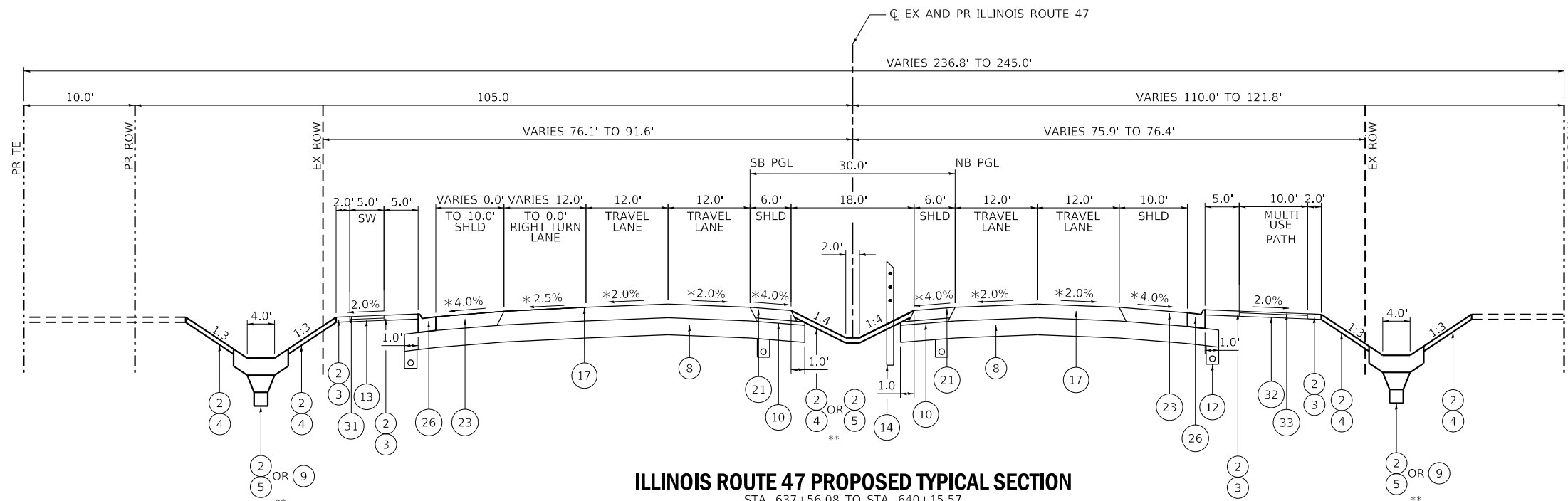
- ① GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ② 6" TOPSOIL PLACEMENT
- ③ SEEDING, CLASS 2A
- ④ SEEDING, CLASS 4
- ⑤ SEEDING, CLASS 4B (MODIFIED)
- ⑥ SODDING, SALT TOLERANT
- ⑦ AGGREGATE SUBGRADE IMPROVEMENT
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑨ BIOSWALE (SEE DETAIL)
- ⑩ SUBBASE GRANULAR MATERIAL, TYPE C
- ⑪ PIPE UNDERDRAIN, TYPE 1, 6"
- ⑫ PIPE UNDERDRAIN, TYPE 2, 4"
- ⑬ SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑭ HIGH TENSION CABLE MEDIAN BARRIER
- ⑮ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- ⑯ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- ⑰ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- ⑱ CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- ⑲ AGGREGATE SHOULDERS, TYPE B, 10"
- ⑳ HOT-MIX ASPHALT SHOULDERS, 7"
- ㉑ HOT-MIX ASPHALT SHOULDERS, 8"
- ㉒ HOT-MIX ASPHALT SHOULDERS, 10"
- ㉓ HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- ㉔ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- ㉕ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- ㉖ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ㉗ CONCRETE MEDIAN SURFACE, 6 INCH
- ㉘ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- ㉙ CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- ㉚ CONCRETE MEDIAN, TYPE SM-4.24
- ㉛ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ㉜ AGGREGATE BASE COURSE, TYPE B, 6"
- ㉝ HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.



**ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION**

STA. 633+84.58 TO STA. 637+56.08  
 \* SEE SUPERELEVATION TABLES 5 AND 6 FOR GRADES FROM STA. 633+84.58 TO STA. 637+56.08  
 \*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



**ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION**

STA. 637+56.08 TO STA. 640+15.57  
 \* SEE SUPERELEVATION TABLES 5 AND 6 FOR GRADES FROM STA. 637+56.08 TO STA. 640+15.57  
 \*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

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USER NAME = JackD	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 47  
TYPICAL SECTIONS**

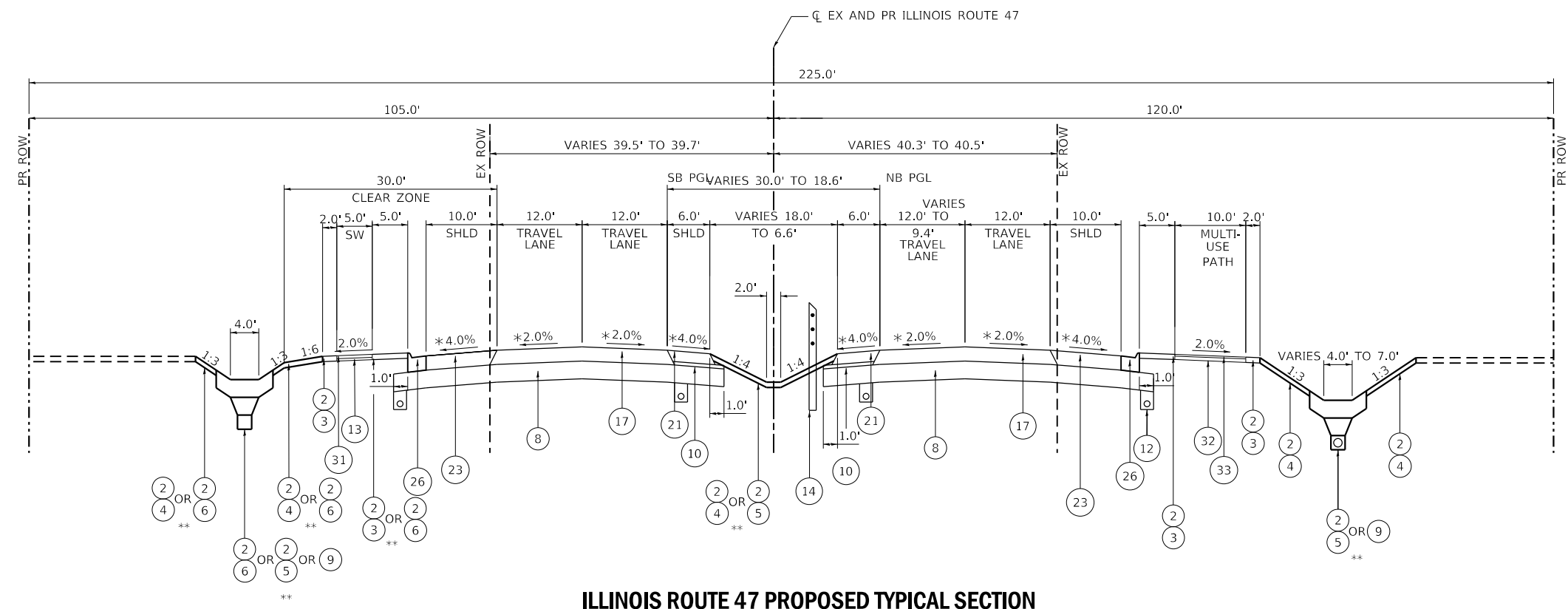
SCALE: SHEET 10 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	42
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

### PROPOSED LEGEND

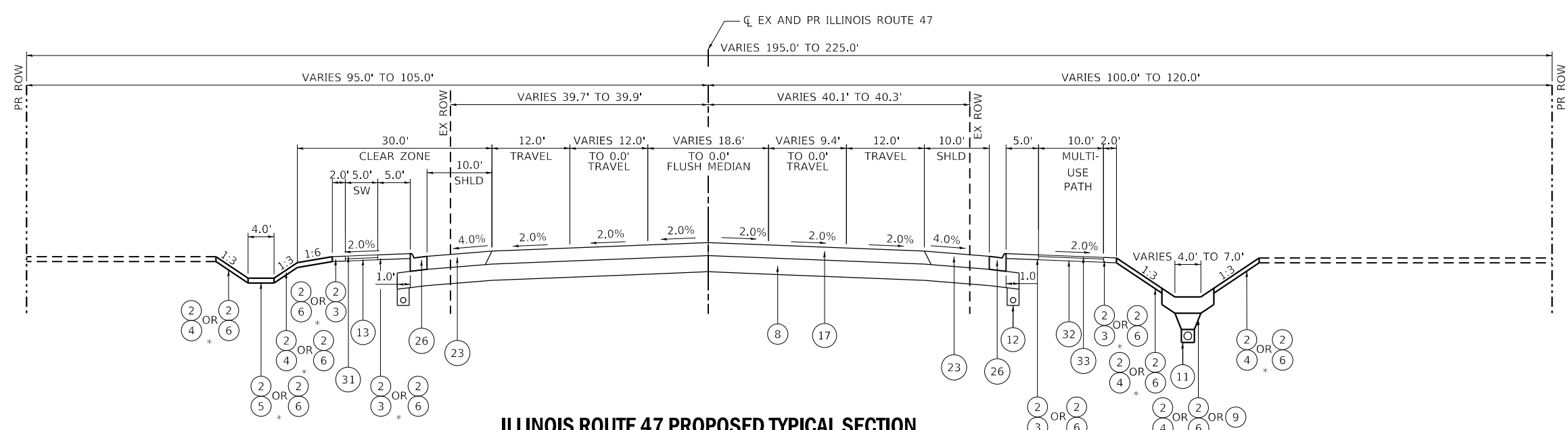
- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
- 12 PIPE UNDERDRAIN, TYPE 2, 4"
- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 14 HIGH TENSION CABLE MEDIAN BARRIER
- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- 16 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
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- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.



### ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION

STA. 654+50.00 TO STA 656+79.66  
 \* SEE SUPERELEVATION TABLE 2 FOR GRADES FROM STA. 655+69.66 TO STA. 656+79.66  
 \*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



### ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION

STA. 656+79.66 TO STA. 660+91.74  
 \* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

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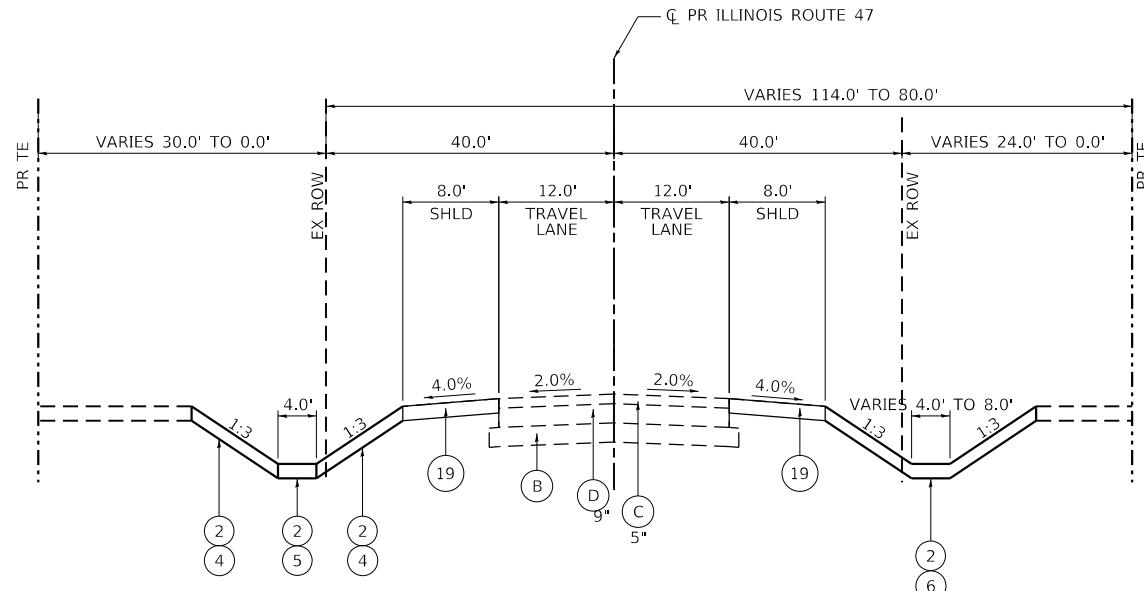
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PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 47  
TYPICAL SECTIONS**

SCALE: SHEET 11 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	43
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**ILLINOIS ROUTE 47 PROPOSED TYPICAL SECTION**  
 STA. 660+91.74 TO STA. 668+44.70

**EXISTING LEGEND**

- (A) EXISTING TOPSOIL, 15"
- (B) EXISTING AGGREGATE SUBBASE, VARIES
- (C) EXISTING HMA PAVEMENT, VARIES 5" TO 15"
- (D) EXISTING PCC PAVEMENT, VARIES 8" TO 9"
- (E) EXISTING AGGREGATE SHOULDERS
- (F) EXISTING HMA SHOULDERS, VARIES
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (H) EXISTING PCC MEDIAN
- (I) EXISTING STEEL PLATE BEAM GUARDRAIL

**REMOVAL LEGEND**

- (a) PAVEMENT REMOVAL
- (b) COMBINATION CURB AND GUTTER REMOVAL
- (c) MEDIAN REMOVAL
- (d) PAVED SHOULDER REMOVAL
- (e) GUARDRAIL REMOVAL
- (f) TOPSOIL EXCAVATION
- ☒ REMOVAL ITEMS

**PROPOSED LEGEND**

- (1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (2) 6" TOPSOIL PLACEMENT
- (3) SEEDING, CLASS 2A
- (4) SEEDING, CLASS 4
- (5) SEEDING, CLASS 4B (MODIFIED)
- (6) SODDING, SALT TOLERANT
- (7) AGGREGATE SUBGRADE IMPROVEMENT
- (8) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (9) BIOSWALE (SEE DETAIL)
- (10) SUBBASE GRANULAR MATERIAL, TYPE C
- (11) PIPE UNDERDRAIN, TYPE 1, 6"
- (12) PIPE UNDERDRAIN, TYPE 2, 4"
- (13) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (14) HIGH TENSION CABLE MEDIAN BARRIER
- (15) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- (16) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- (17) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- (18) CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- (19) AGGREGATE SHOULDERS, TYPE B, 10"
- (20) HOT-MIX ASPHALT SHOULDERS, 7"
- (21) HOT-MIX ASPHALT SHOULDERS, 8"
- (22) HOT-MIX ASPHALT SHOULDERS, 10"
- (23) HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- (24) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- (25) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (26) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- (27) CONCRETE MEDIAN SURFACE, 6 INCH
- (28) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (29) CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- (30) CONCRETE MEDIAN, TYPE SM-4.24
- (31) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (32) AGGREGATE BASE COURSE, TYPE B, 6"
- (33) HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

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PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

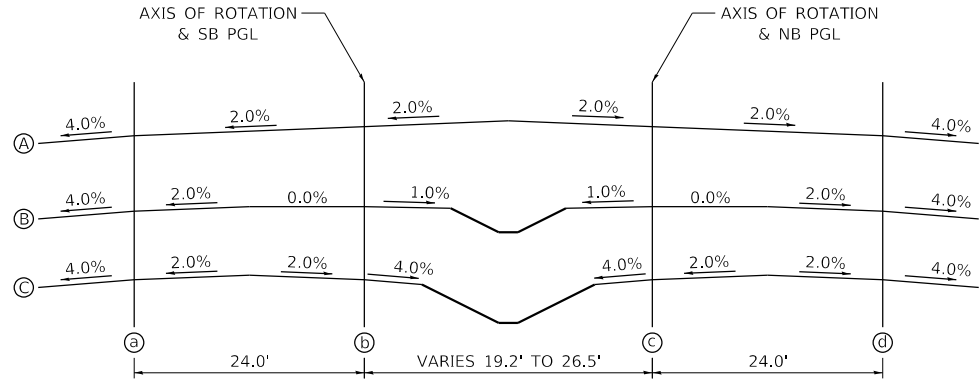
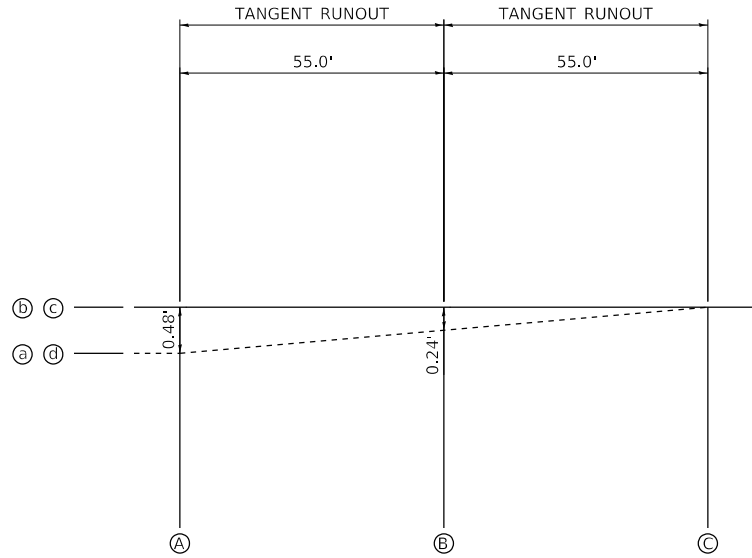
**ILLINOIS ROUTE 47  
 TYPICAL SECTIONS**

SCALE: SHEET 12 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	44
				CONTRACT NO. 62B43
		ILLINOIS	FED. AID PROJECT	

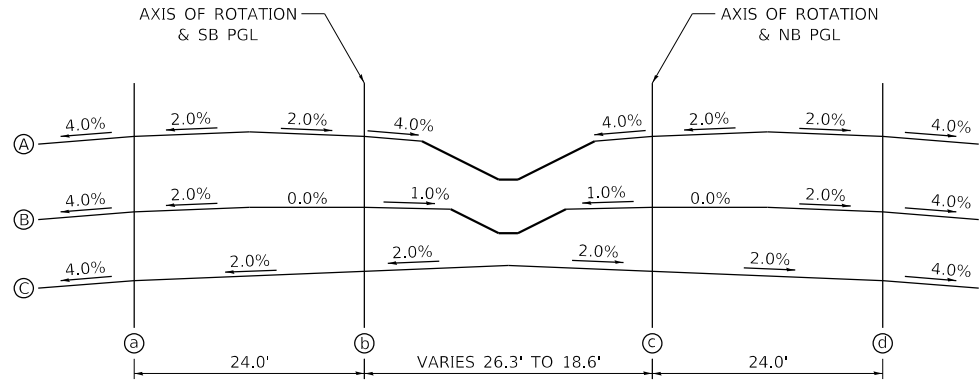
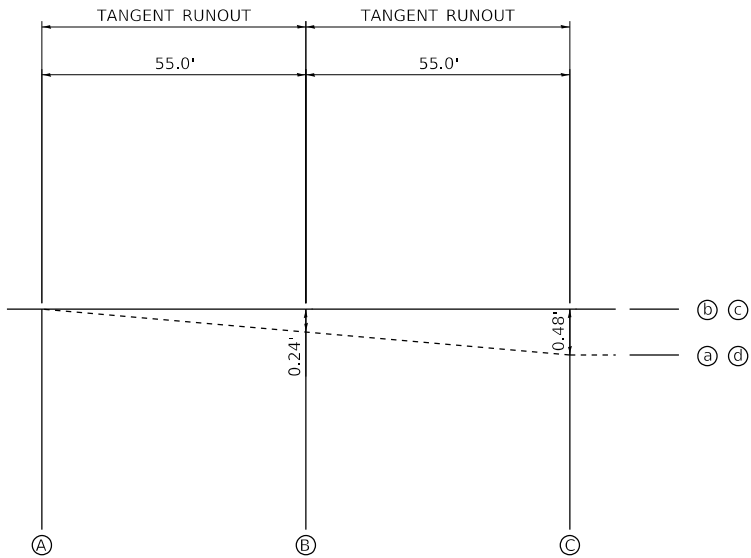
SUPERELEVATION TABLE 1

STATION	a	b	c	d
A 572+39.12	2.00%	-2.00%	-2.00%	2.00%
B 572+94.12	2.00%	0.00%	0.00%	2.00%
C 573+49.12	2.00%	2.00%	2.00%	2.00%



SUPERELEVATION TABLE 2

STATION	a	b	c	d
A 655+69.66	2.00%	2.00%	2.00%	2.00%
B 656+24.66	2.00%	0.00%	0.00%	2.00%
C 656+79.66	2.00%	-2.00%	-2.00%	2.00%



MODEL: D:\64\111  
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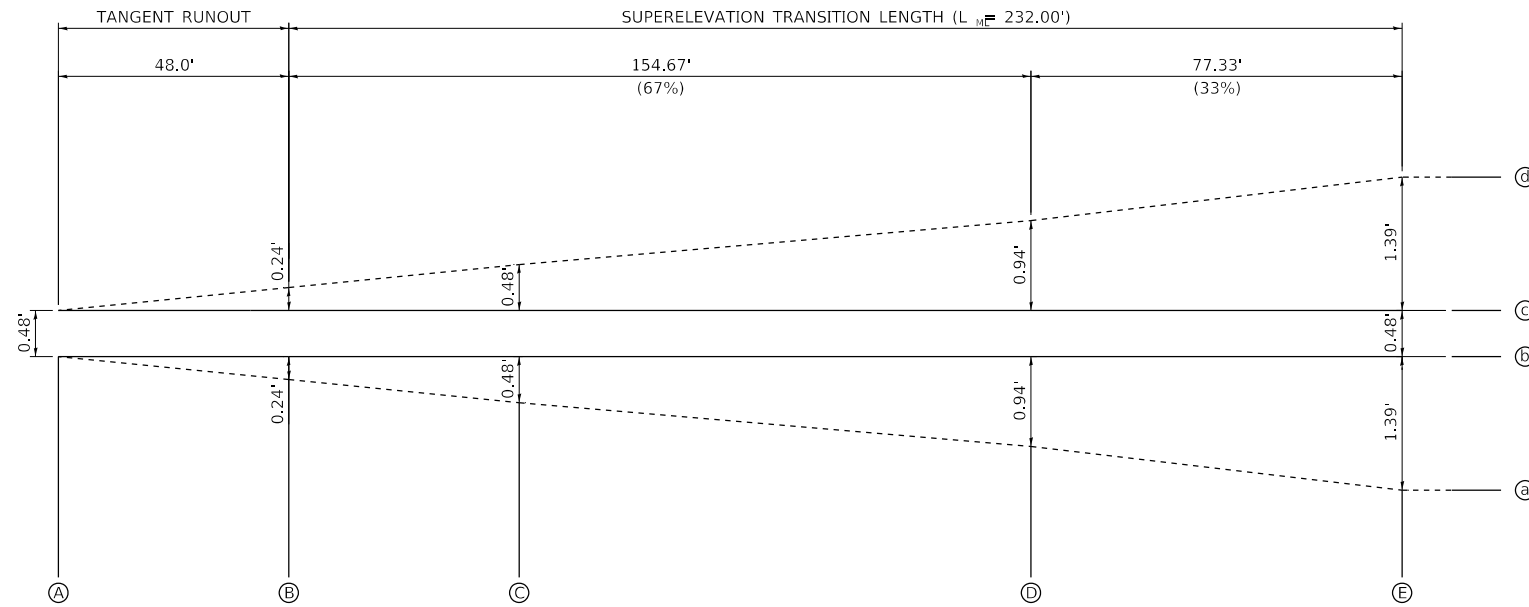
USER NAME = JackD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ft / in.	CHECKED -	REVISED -
PLOT DATE = 12/19/2023	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47  
TYPICAL SECTIONS

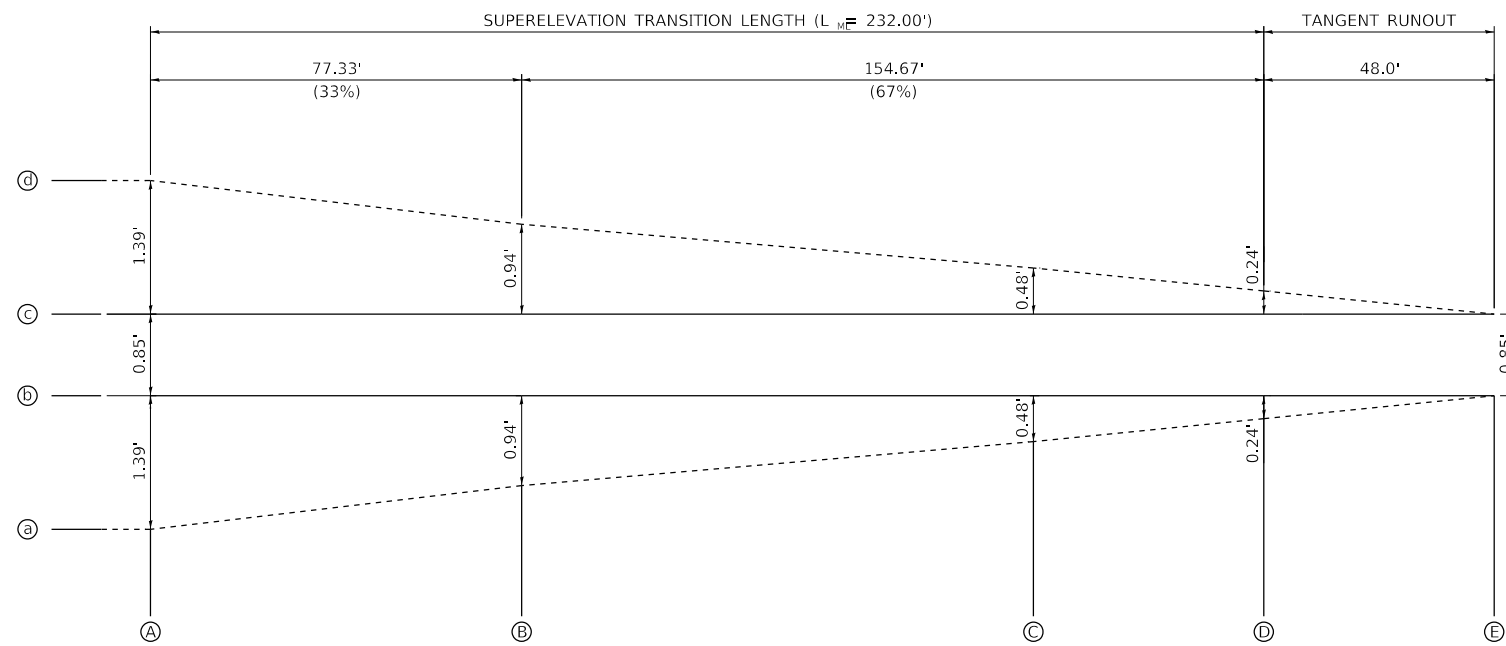
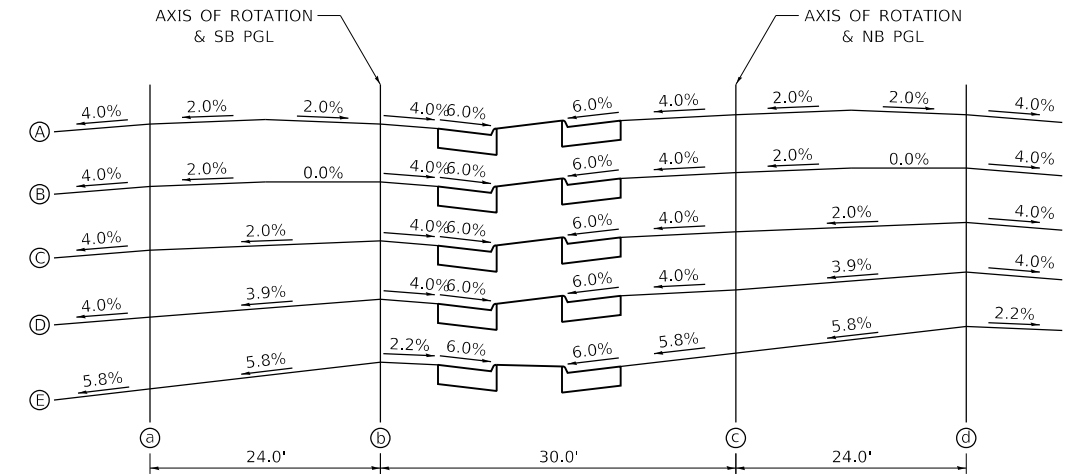
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	45
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 13 OF 26 SHEETS STA. TO STA.



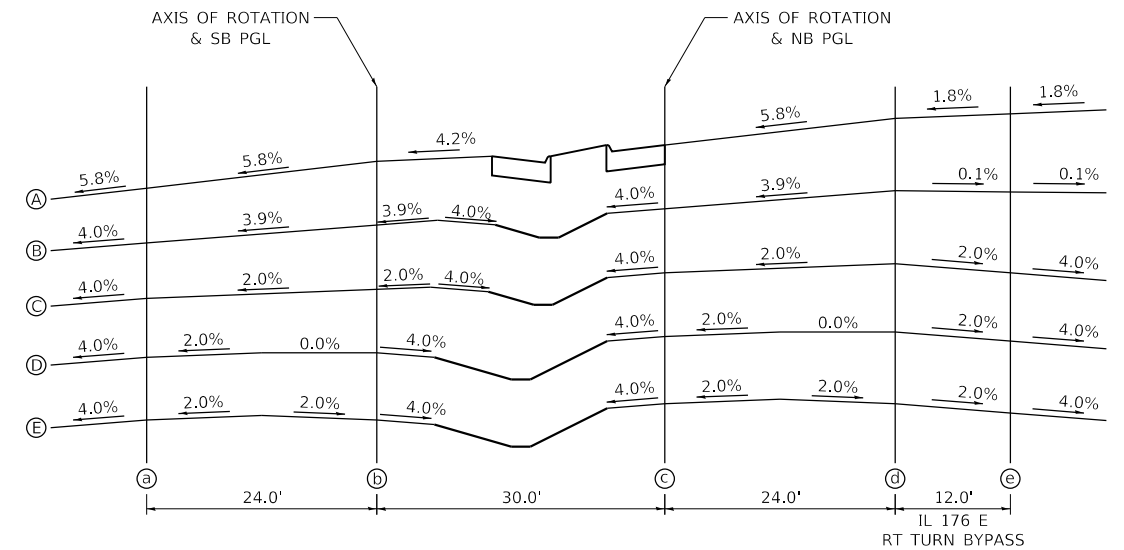
SUPERELEVATION TABLE 3

STATION	a	b	c	d
A 580+97.62	2.00%	2.00%	2.00%	2.00%
B 581+45.62	2.00%	0.00%	2.00%	0.00%
C 581+93.62	2.00%	-2.00%	2.00%	-2.00%
D 583+00.29	3.90%	-3.90%	3.90%	-3.90%
E 583+77.62	5.80%	-5.80%	5.80%	-5.80%



SUPERELEVATION TABLE 4

STATION	a	b	c	d	e
A 593+65.47	5.80%	-5.80%	5.80%	-5.80%	-1.80%
B 594+42.80	3.90%	-3.90%	3.90%	-3.90%	-0.10%
C 595+49.47	2.00%	-2.00%	2.00%	-2.00%	2.00%
D 595+97.47	2.00%	0.00%	2.00%	0.00%	2.00%
E 596+45.47	2.00%	2.00%	2.00%	2.00%	2.00%



MODEL: D:\m\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn



1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
PLOT SCALE = 20.0000 ft / in.  
PLOT DATE = 12/19/2023

USER NAME = JackD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

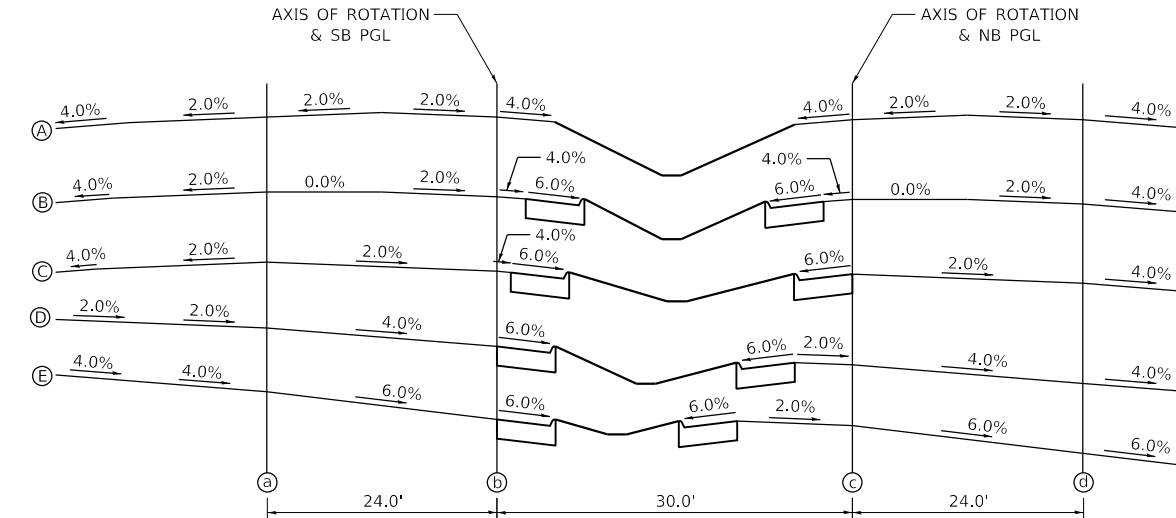
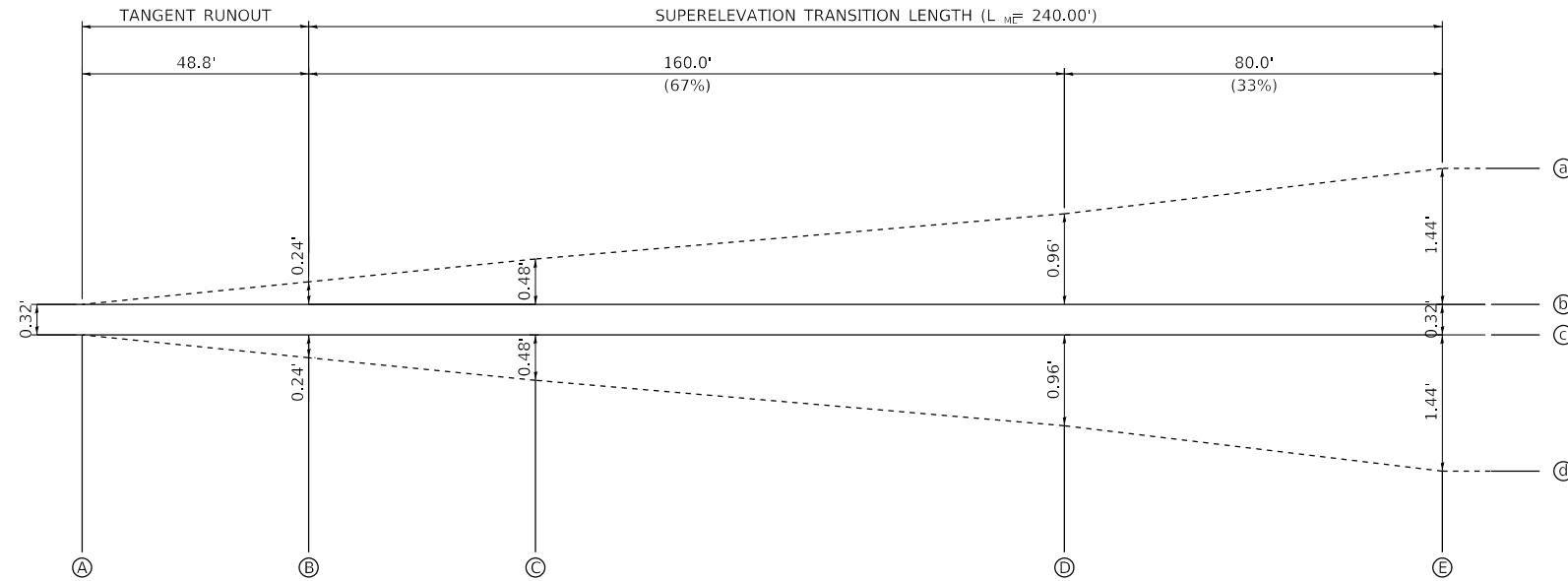
ILLINOIS ROUTE 47  
TYPICAL SECTIONS

SCALE: SHEET 14 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	46
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

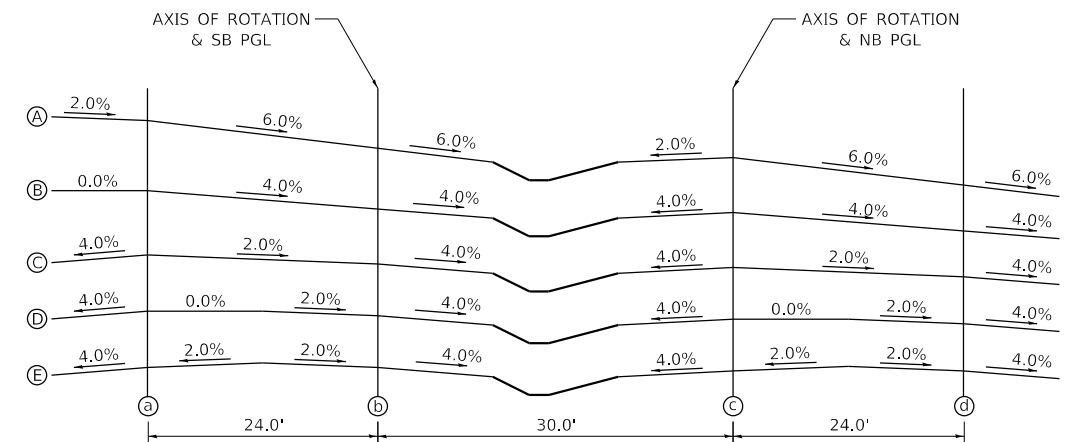
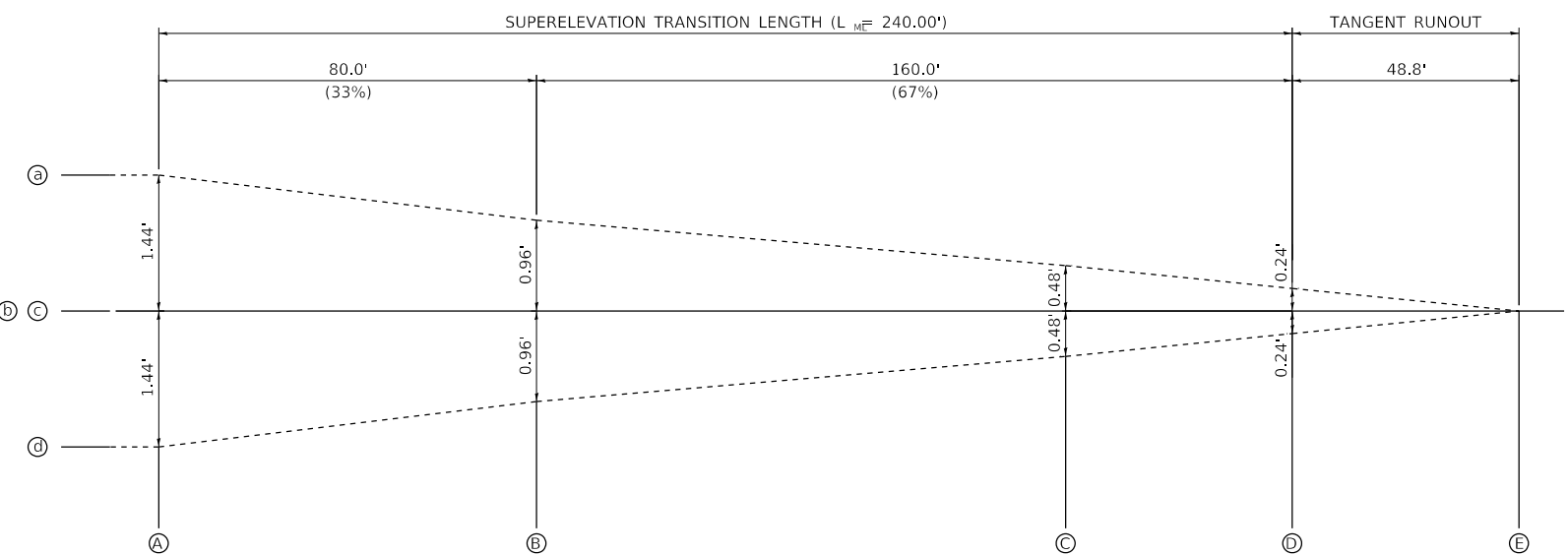
SUPERELEVATION TABLE 5

STATION	a	b	c	d
A 626+55.63	2.00%	2.00%	2.00%	2.00%
B 627+04.43	0.00%	2.00%	0.00%	2.00%
C 627+53.23	-2.00%	2.00%	-2.00%	2.00%
D 628+64.43	-4.00%	4.00%	-4.00%	4.00%
E 629+44.43	-6.00%	6.00%	-6.00%	6.00%



SUPERELEVATION TABLE 6

STATION	a	b	c	d
A 638+46.46	-6.00%	6.00%	-6.00%	6.00%
B 639+26.46	-4.00%	4.00%	-4.00%	4.00%
C 640+37.66	-2.00%	2.00%	-2.00%	2.00%
D 640+86.46	0.00%	2.00%	0.00%	2.00%
E 641+35.26	2.00%	2.00%	2.00%	2.00%



MODEL D:\m\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn



1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

USER NAME = JackD	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47  
TYPICAL SECTIONS

SCALE: SHEET 15 OF 26 SHEETS STA. TO STA.

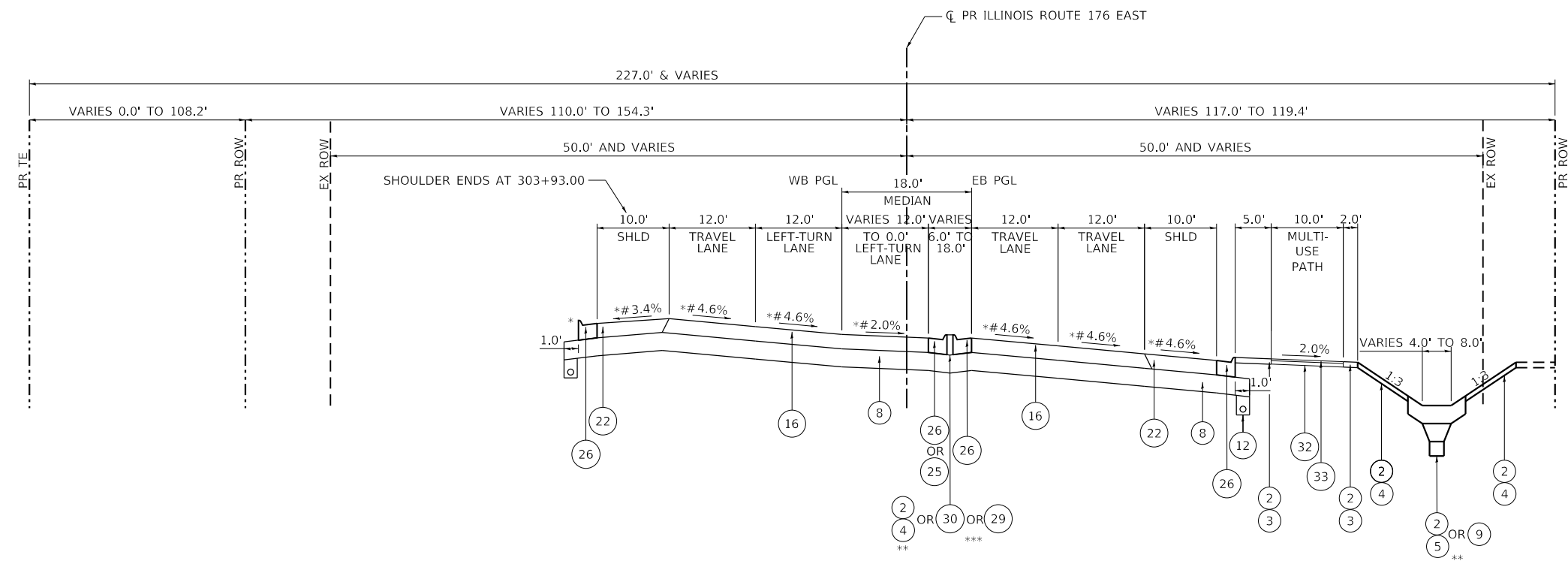
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	47
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

### PROPOSED LEGEND

- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
- 12 PIPE UNDERDRAIN, TYPE 2, 4"
- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 14 HIGH TENSION CABLE MEDIAN BARRIER
- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- 16 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
- 20 HOT-MIX ASPHALT SHOULDERS, 7"
- 21 HOT-MIX ASPHALT SHOULDERS, 8"
- 22 HOT-MIX ASPHALT SHOULDERS, 10"
- 23 HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

\* SEE PAVEMENT ELEVATION SHEETS FOR VARYING SLOPES

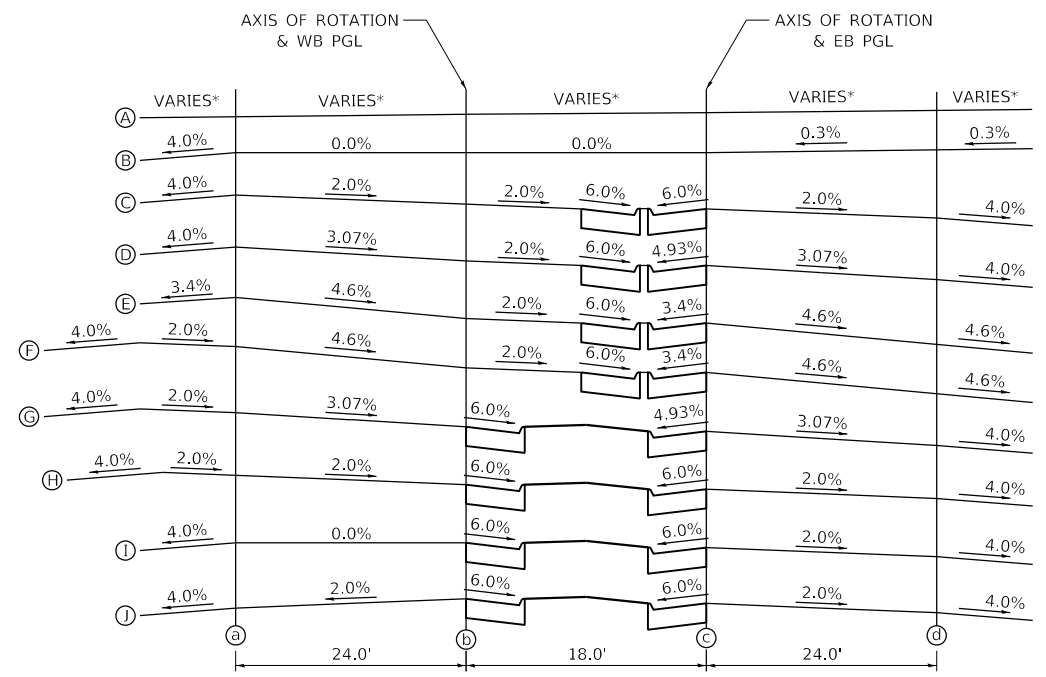
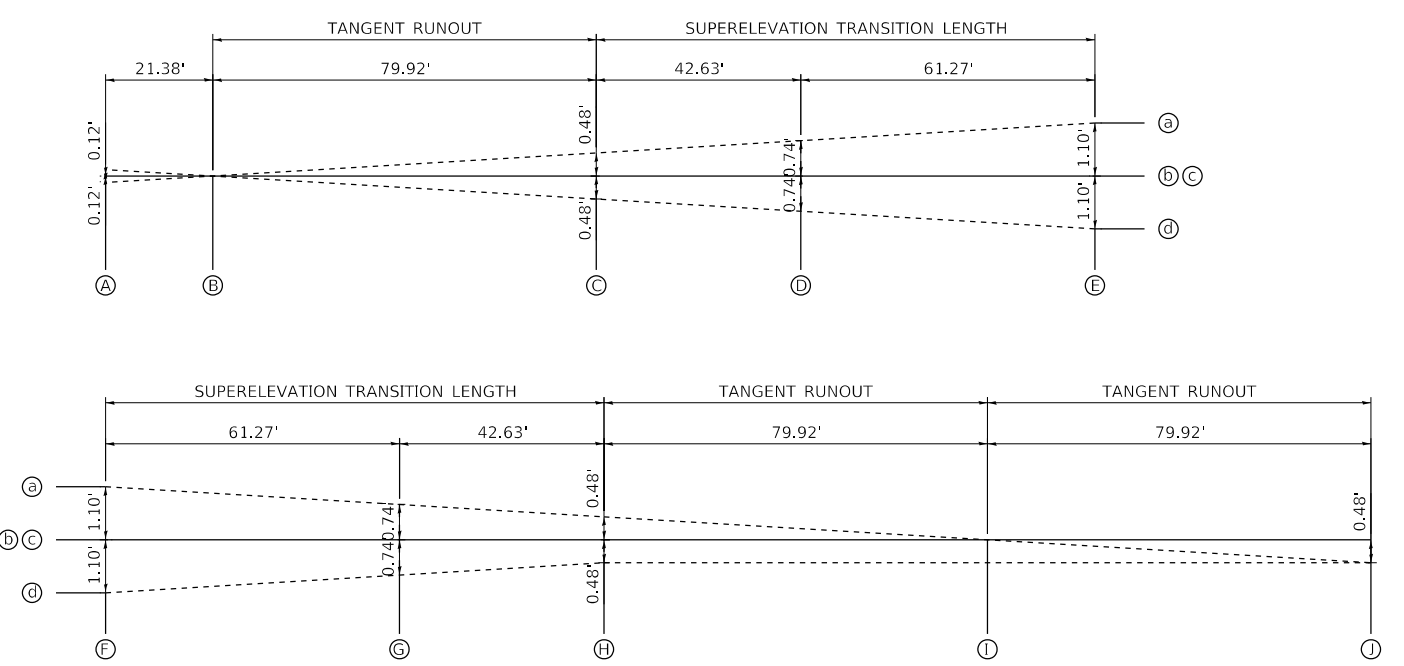
NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.



### ILLINOIS ROUTE 176 EAST SUPERELEVATION TYPICAL SECTION

STA. 300+00.00 TO STA. 308+17.20  
 \* SEE CROSS SECTIONS FOR CORNER ISLAND DETAIL  
 \*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS  
 \*\*\* SEE PLAN SHEETS FOR SPECIFIC LOCATIONS  
 # SEE SUPERELEVATION TABLE FOR GRADES FROM STA. 300+39.13 TO STA. 308+17.20

STATION	a	d
A 300+39.13	0.50%	-0.50%
B 300+60.51	0.00%	0.00%
C 301+40.43	-2.00%	2.00%
D 301+83.05	-3.07%	3.07%
E 302+44.32	-4.60%	4.60%
F 305+53.47	-4.60%	4.60%
G 306+14.74	-3.07%	3.07%
H 306+57.37	-2.00%	2.00%
I 307+37.28	0.00%	2.00%
J 308+17.20	2.00%	2.00%



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 STRAND ASSOCIATES



1170 SOUTH HOUBOLT ROAD  
 JULIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 176 EAST  
 TYPICAL SECTIONS**

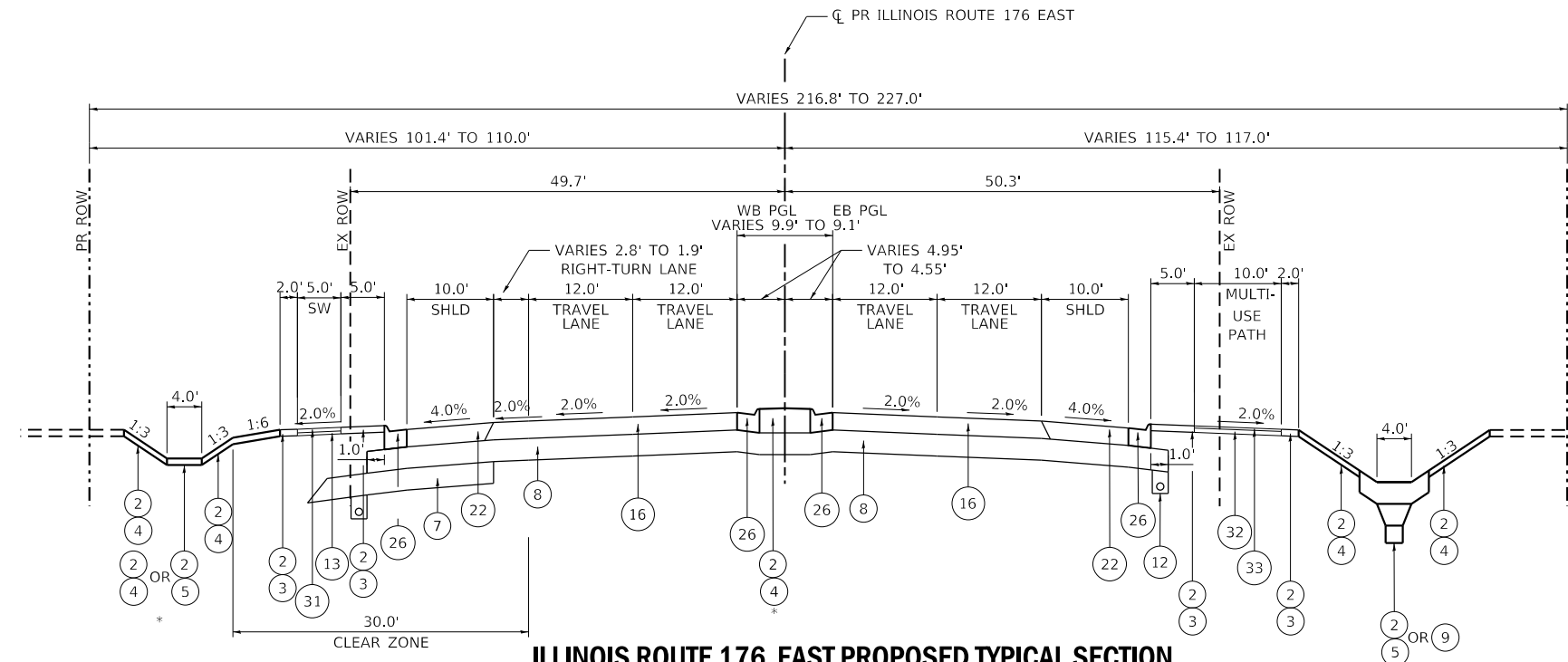
SCALE: SHEET 16 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	48
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				



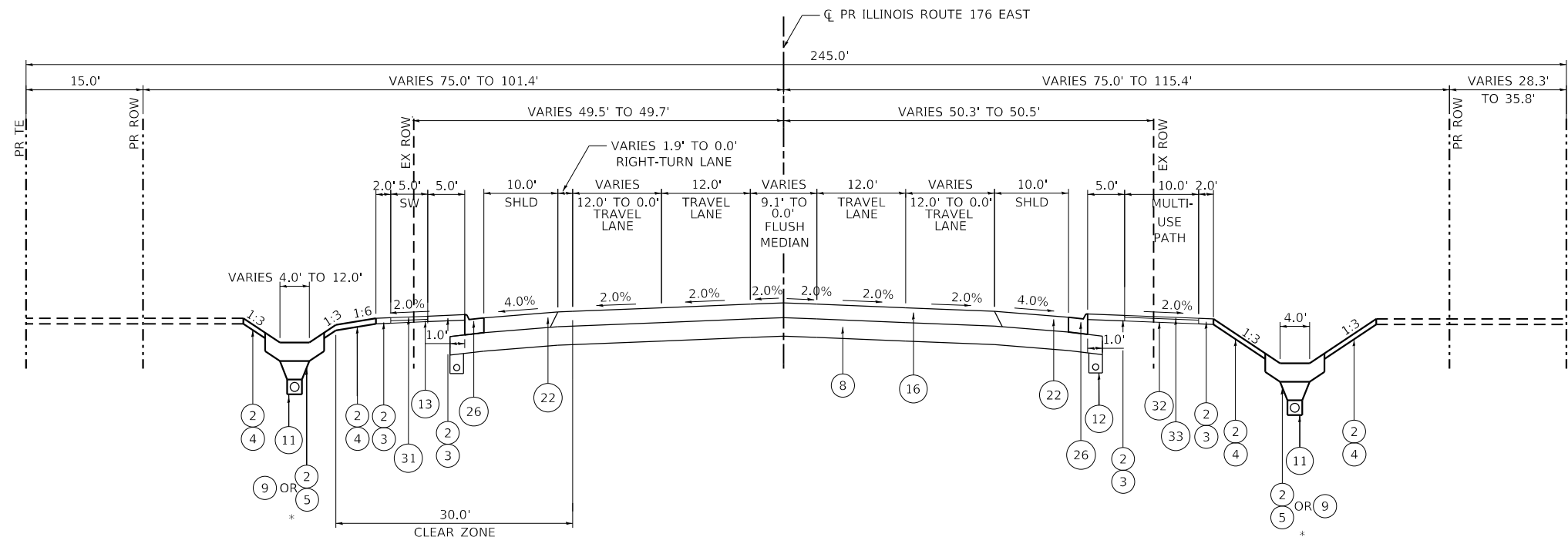
# PROPOSED LEGEND

- ① GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ② 6" TOPSOIL PLACEMENT
- ③ SEEDING, CLASS 2A
- ④ SEEDING, CLASS 4
- ⑤ SEEDING, CLASS 4B (MODIFIED)
- ⑥ SODDING, SALT TOLERANT
- ⑦ AGGREGATE SUBGRADE IMPROVEMENT
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑨ BIOSWALE (SEE DETAIL)
- ⑩ SUBBASE GRANULAR MATERIAL, TYPE C
- ⑪ PIPE UNDERDRAIN, TYPE 1, 6"
- ⑫ PIPE UNDERDRAIN, TYPE 2, 4"
- ⑬ SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑭ HIGH TENSION CABLE MEDIAN BARRIER
- ⑮ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- ⑯ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- ⑰ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- ⑱ CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- ⑲ AGGREGATE SHOULDERS, TYPE B, 10"
- ⑳ HOT-MIX ASPHALT SHOULDERS, 7"
- ㉑ HOT-MIX ASPHALT SHOULDERS, 8"
- ㉒ HOT-MIX ASPHALT SHOULDERS, 10"
- ㉓ HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- ㉔ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- ㉕ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- ㉖ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ㉗ CONCRETE MEDIAN SURFACE, 6 INCH
- ㉘ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- ㉙ CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- ㉚ CONCRETE MEDIAN, TYPE SM-4.24
- ㉛ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ㉜ AGGREGATE BASE COURSE, TYPE B, 6"
- ㉝ HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"



## ILLINOIS ROUTE 176 EAST PROPOSED TYPICAL SECTION

STA. 308+17.20 TO STA. 308+37.69  
\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



## ILLINOIS ROUTE 176 EAST PROPOSED TYPICAL SECTION

STA. 308+37.69 TO STA. 316+64.74  
\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

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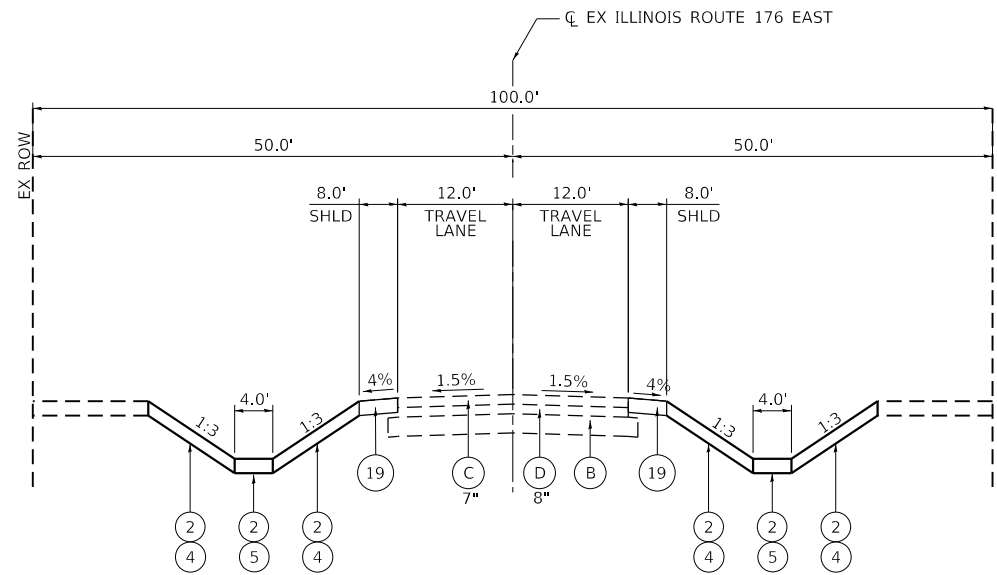
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PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

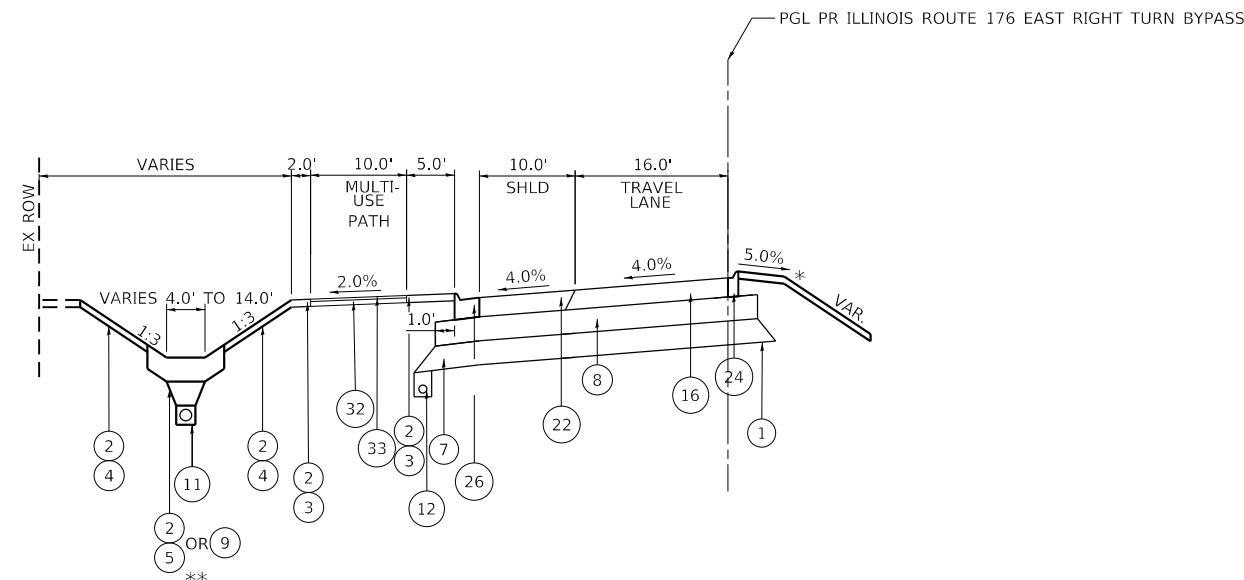
### ILLINOIS ROUTE 176 EAST TYPICAL SECTIONS

SCALE: SHEET 17 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	49
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				



**ILLINOIS ROUTE 176 EAST PROPOSED TYPICAL SECTION**  
STA. 316+64.74 TO STA. 323+99.90



**ILLINOIS ROUTE 176 EAST RIGHT TURN BYPASS PROPOSED TYPICAL SECTION**

\* SEE CROSS SECTIONS FOR CORNER ISLAND DETAIL  
\*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

**EXISTING LEGEND**

- (A) EXISTING TOPSOIL, 15"
- (B) EXISTING AGGREGATE SUBBASE, VARIES
- (C) EXISTING HMA PAVEMENT, VARIES 5" TO 15"
- (D) EXISTING PCC PAVEMENT, VARIES 8" TO 9"
- (E) EXISTING AGGREGATE SHOULDERS
- (F) EXISTING HMA SHOULDERS, VARIES
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (H) EXISTING PCC MEDIAN
- (I) EXISTING STEEL PLATE BEAM GUARDRAIL

**REMOVAL LEGEND**

- (a) PAVEMENT REMOVAL
- (b) COMBINATION CURB AND GUTTER REMOVAL
- (c) MEDIAN REMOVAL
- (d) PAVED SHOULDER REMOVAL
- (e) GUARDRAIL REMOVAL
- (f) TOPSOIL EXCAVATION
- ☒ REMOVAL ITEMS

**PROPOSED LEGEND**

- (1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (2) 6" TOPSOIL PLACEMENT
- (3) SEEDING, CLASS 2A
- (4) SEEDING, CLASS 4
- (5) SEEDING, CLASS 4B (MODIFIED)
- (6) SODDING, SALT TOLERANT
- (7) AGGREGATE SUBGRADE IMPROVEMENT
- (8) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (9) BIOSWALE (SEE DETAIL)
- (10) SUBBASE GRANULAR MATERIAL, TYPE C
- (11) PIPE UNDERDRAIN, TYPE 1, 6"
- (12) PIPE UNDERDRAIN, TYPE 2, 4"
- (13) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (14) HIGH TENSION CABLE MEDIAN BARRIER
- (15) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- (16) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- (17) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- (18) CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- (19) AGGREGATE SHOULDERS, TYPE B, 10"
- (20) HOT-MIX ASPHALT SHOULDERS, 7"
- (21) HOT-MIX ASPHALT SHOULDERS, 8"
- (22) HOT-MIX ASPHALT SHOULDERS, 10"
- (23) HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- (24) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- (25) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (26) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- (27) CONCRETE MEDIAN SURFACE, 6 INCH
- (28) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (29) CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- (30) CONCRETE MEDIAN, TYPE SM-4.24
- (31) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (32) AGGREGATE BASE COURSE, TYPE B, 6"
- (33) HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

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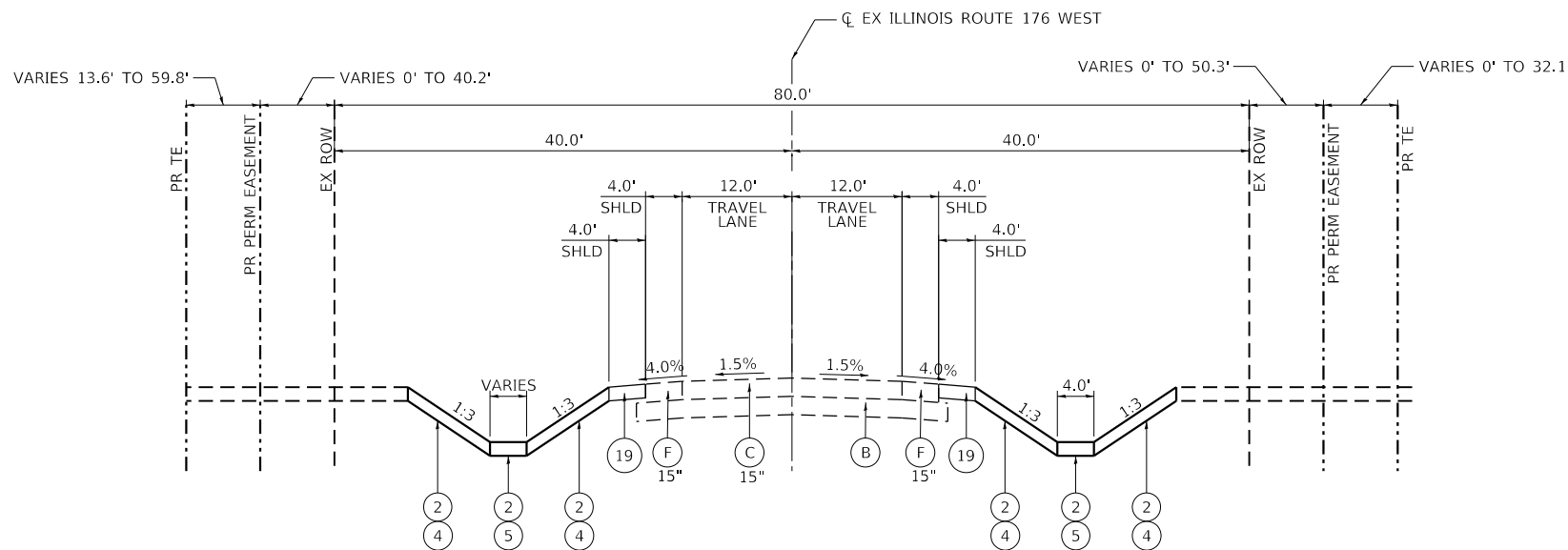
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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ft / in.	CHECKED -	REVISED -
PLOT DATE = 12/19/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 176 EAST  
TYPICAL SECTIONS**

SCALE: SHEET 18 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	50
CONTRACT NO. 62B43				
ILLINOIS		FED. AID PROJECT		



**ILLINOIS ROUTE 176 WEST PROPOSED TYPICAL SECTION**  
STA. 397+84.99 TO STA. 404+20.04

**EXISTING LEGEND**

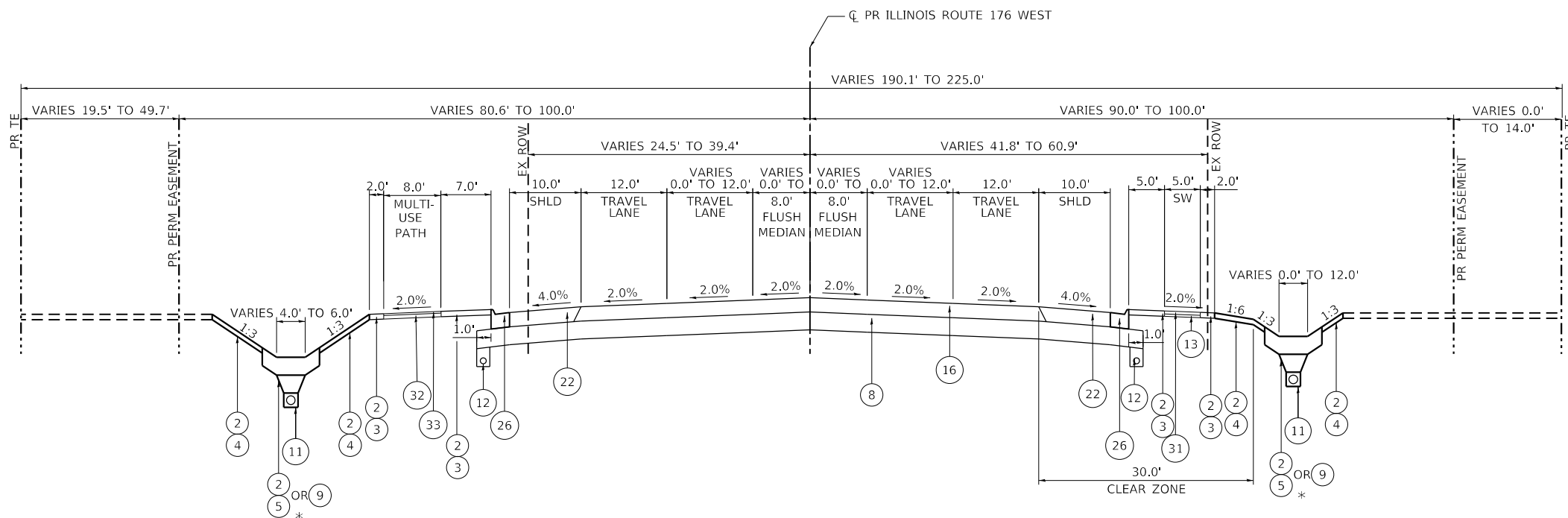
- (A) EXISTING TOPSOIL, 15"
- (B) EXISTING AGGREGATE SUBBASE, VARIES
- (C) EXISTING HMA PAVEMENT, VARIES 5" TO 15"
- (D) EXISTING PCC PAVEMENT, VARIES 8" TO 9"
- (E) EXISTING AGGREGATE SHOULDERS
- (F) EXISTING HMA SHOULDERS, VARIES
- (G) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (H) EXISTING PCC MEDIAN
- (I) EXISTING STEEL PLATE BEAM GUARDRAIL

**REMOVAL LEGEND**

- (a) PAVEMENT REMOVAL
- (b) COMBINATION CURB AND GUTTER REMOVAL
- (c) MEDIAN REMOVAL
- (d) PAVED SHOULDER REMOVAL
- (e) GUARDRAIL REMOVAL
- (f) TOPSOIL EXCAVATION
- ⊗ REMOVAL ITEMS

**PROPOSED LEGEND**

- (1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (2) 6" TOPSOIL PLACEMENT
- (3) SEEDING, CLASS 2A
- (4) SEEDING, CLASS 4
- (5) SEEDING, CLASS 4B (MODIFIED)
- (6) SODDING, SALT TOLERANT
- (7) AGGREGATE SUBGRADE IMPROVEMENT
- (8) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (9) BIOSWALE (SEE DETAIL)
- (10) SUBBASE GRANULAR MATERIAL, TYPE C
- (11) PIPE UNDERDRAIN, TYPE 1, 6"
- (12) PIPE UNDERDRAIN, TYPE 2, 4"
- (13) SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- (14) HIGH TENSION CABLE MEDIAN BARRIER
- (15) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- (16) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- (17) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- (18) CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- (19) AGGREGATE SHOULDERS, TYPE B, 10"
- (20) HOT-MIX ASPHALT SHOULDERS, 7"
- (21) HOT-MIX ASPHALT SHOULDERS, 8"
- (22) HOT-MIX ASPHALT SHOULDERS, 10"
- (23) HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- (24) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- (25) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- (26) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- (27) CONCRETE MEDIAN SURFACE, 6 INCH
- (28) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (29) CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- (30) CONCRETE MEDIAN, TYPE SM-4.24
- (31) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (32) AGGREGATE BASE COURSE, TYPE B, 6"
- (33) HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"



**ILLINOIS ROUTE 176 WEST PROPOSED TYPICAL SECTION**  
STA. 404+20.04 TO STA. 415+47.95  
\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

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USER NAME = JackD	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	CHECKED -	REVISED -
PLOT DATE = 12/19/2023	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

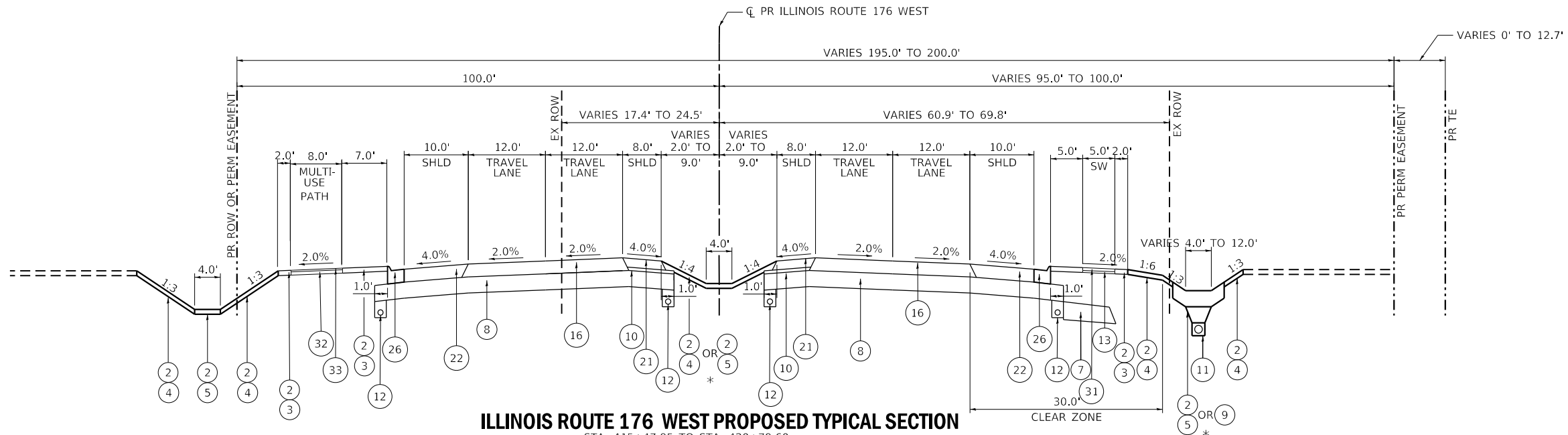
**ILLINOIS ROUTE 176 WEST**  
**TYPICAL SECTIONS**

SCALE: SHEET 19 OF 26 SHEETS STA. TO STA.

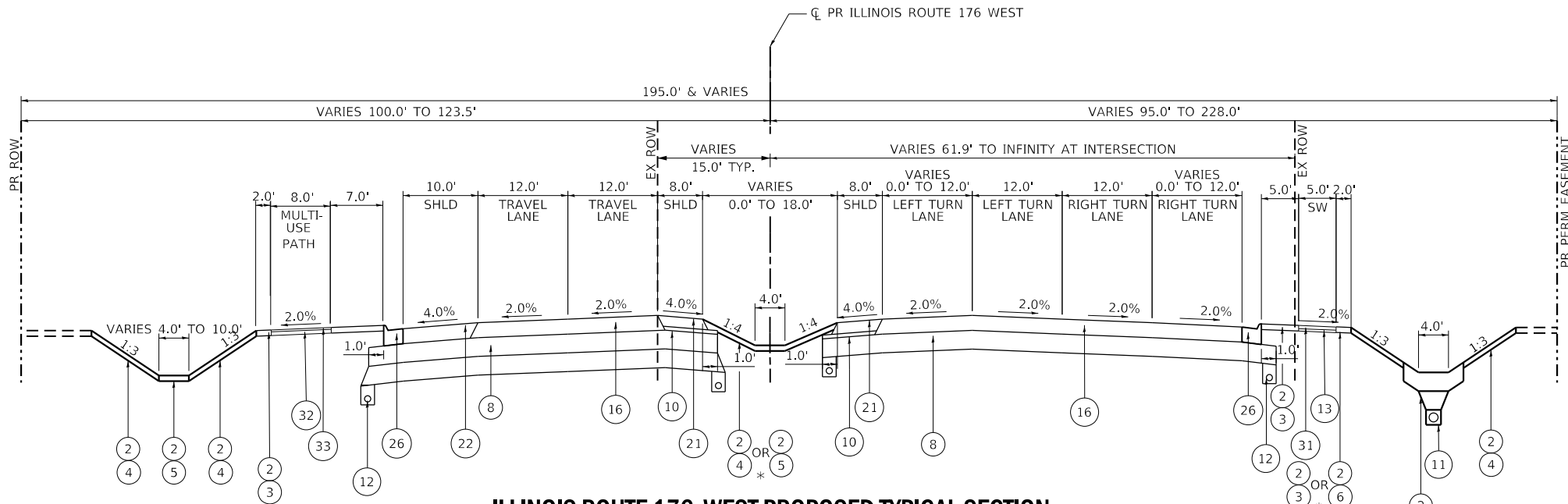
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	51
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

**PROPOSED LEGEND**

- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
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- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
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- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
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- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
- 20 HOT-MIX ASPHALT SHOULDERS, 7"
- 21 HOT-MIX ASPHALT SHOULDERS, 8"
- 22 HOT-MIX ASPHALT SHOULDERS, 10"
- 23 HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"



**ILLINOIS ROUTE 176 WEST PROPOSED TYPICAL SECTION**  
 STA. 415+47.95 TO STA. 420+79.60  
 \* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



**ILLINOIS ROUTE 176 WEST PROPOSED TYPICAL SECTION**  
 STA. 420+79.60 TO STA. 429+00.05  
 \* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

MODEL: D:\m\p\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\CAD\_Sheet\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn  
 FILE NAME: 1170 SOUTH HOUBOLT ROAD.dgn  
 PLOT DATE: 12/19/2023



1170 SOUTH HOUBOLT ROAD  
 JULIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

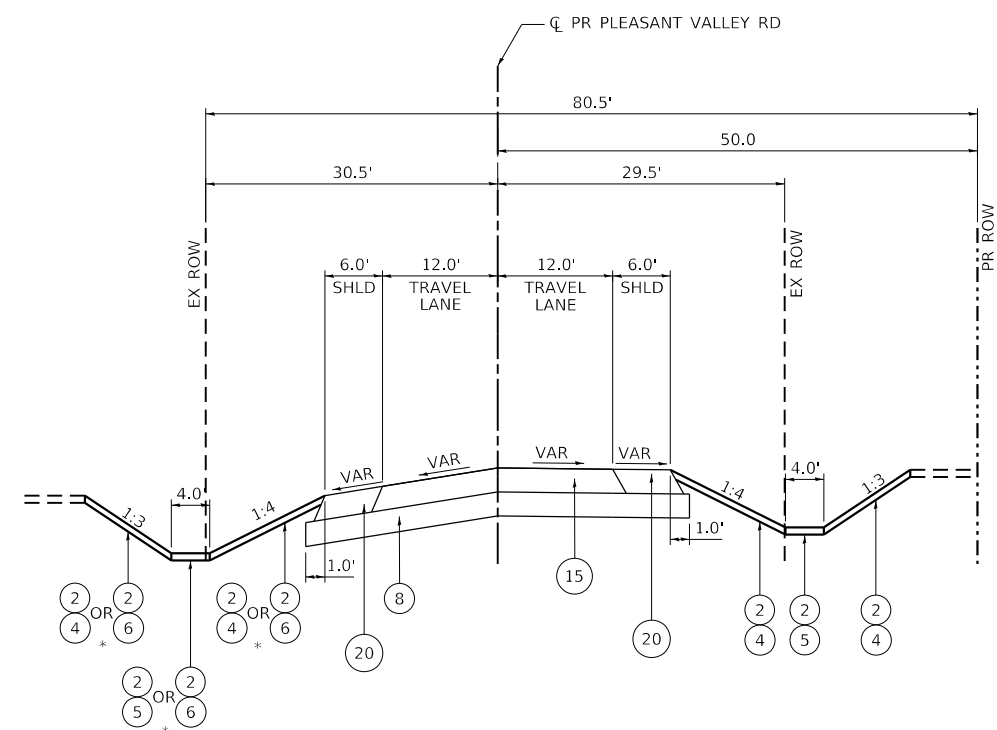
**ILLINOIS ROUTE 176 WEST  
 TYPICAL SECTIONS**

SCALE: SHEET 20 OF 26 SHEETS STA. TO STA.

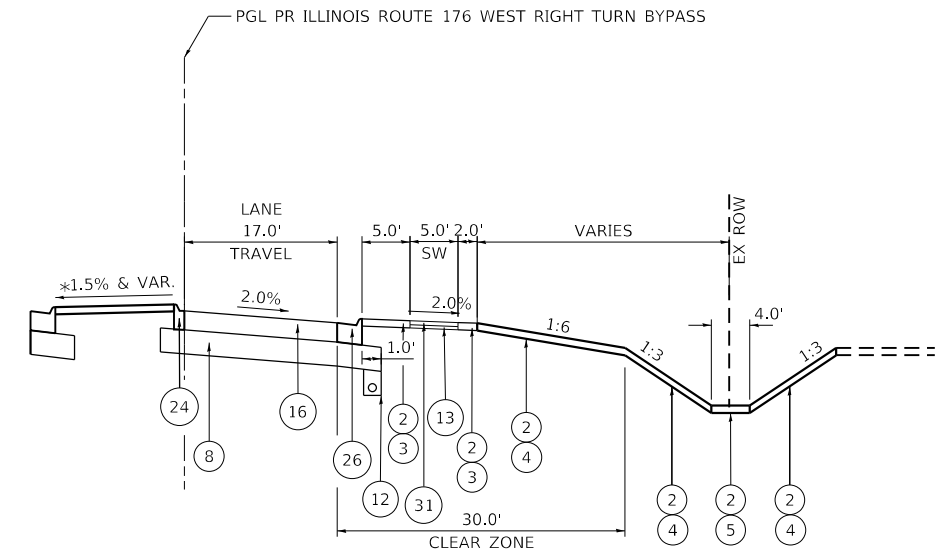
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	52
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

**PROPOSED LEGEND**

- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
- 12 PIPE UNDERDRAIN, TYPE 2, 4"
- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 14 HIGH TENSION CABLE MEDIAN BARRIER
- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- 16 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
- 20 HOT-MIX ASPHALT SHOULDERS, 7"
- 21 HOT-MIX ASPHALT SHOULDERS, 8"
- 22 HOT-MIX ASPHALT SHOULDERS, 10"
- 23 HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

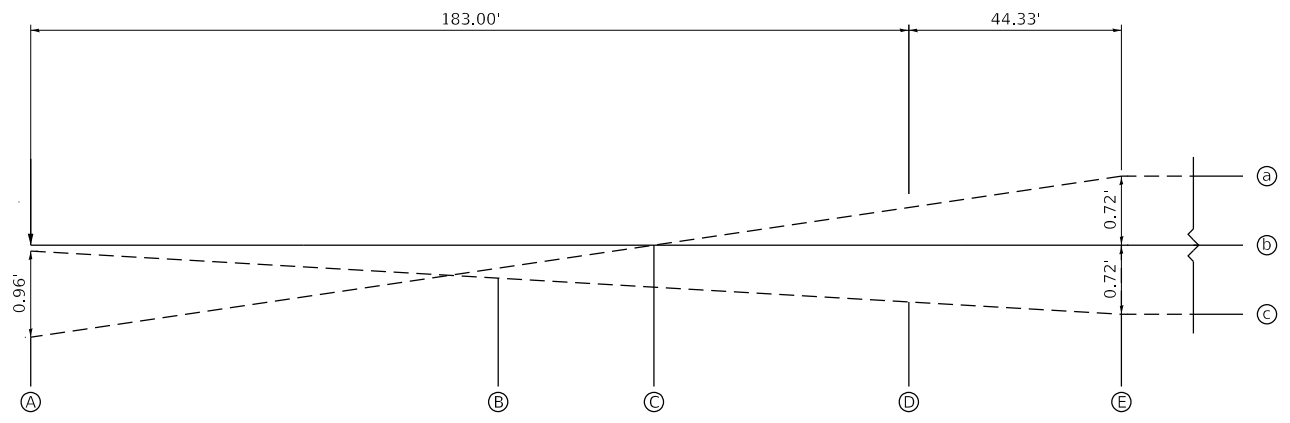


**PLEASANT VALLEY ROAD SUPERELEVATION TYPICAL SECTION**  
 STA. 273+28.41 TO STA. 275+55.74  
 \* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



**ILLINOIS ROUTE 176 WEST RIGHT TURN BYPASS PROPOSED TYPICAL SECTION**  
 \* SEE CROSS SECTIONS FOR CORNER ISLAND DETAIL, SLOPE TOWARDS IL 176 OR IL 47

STATION	a	c
A 273+28.41	8.00%	0.50%
B 274+25.84	2.00%	2.86%
C 274+58.31	0.00%	3.64%
D 275+11.41	-3.26%	4.92%
E 275+55.74	-6.00%	6.00%



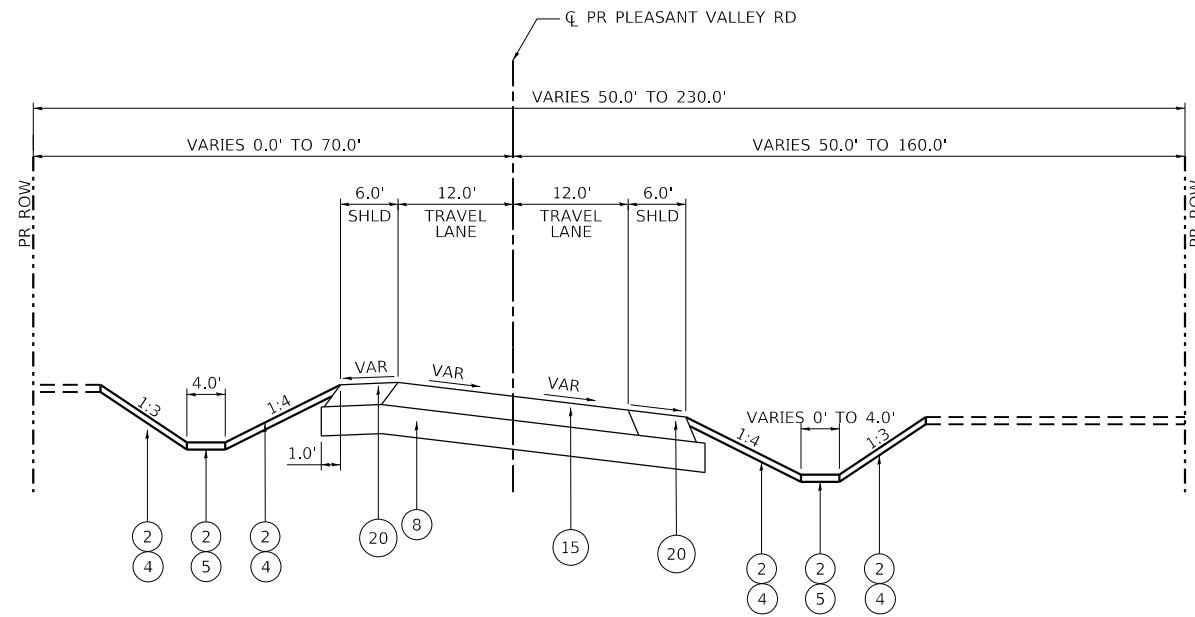
	PR PLEASANT VALLEY PGL			
A	8.0%	8.0%	0.5%	0.5%
B	4.0%	2.0%	2.9%	2.9%
C	4.0%	0.0%	3.6%	3.6%
D	4.0%	3.3%	4.9%	4.9%
E	2.0%	6.0%	6.0%	6.0%
	6.0ft	12.0ft	12.0ft	6.0ft

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

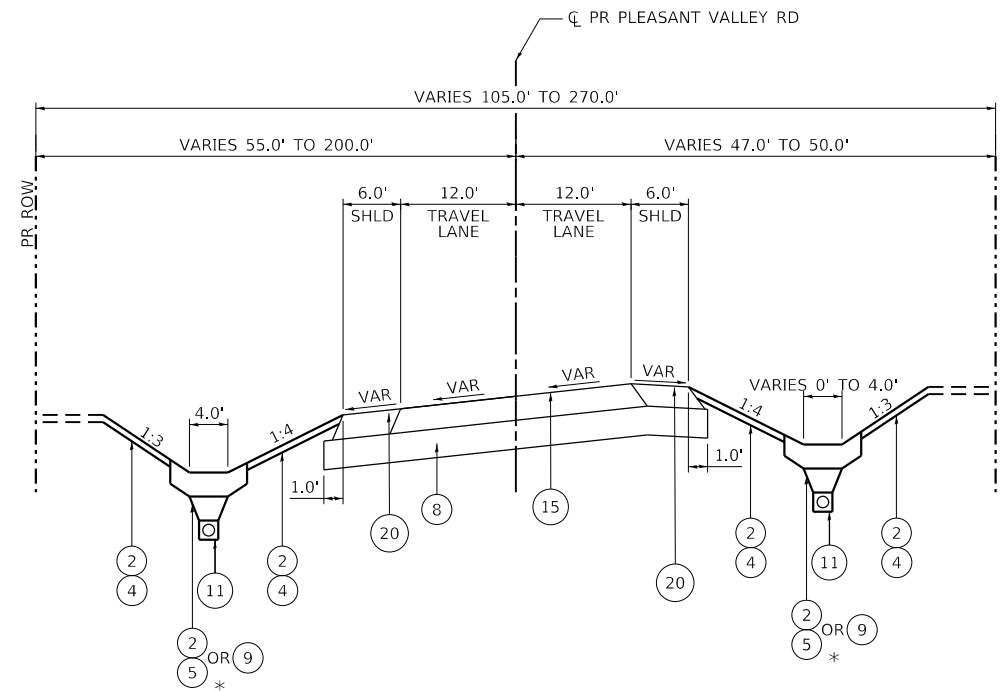
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**PROPOSED LEGEND**

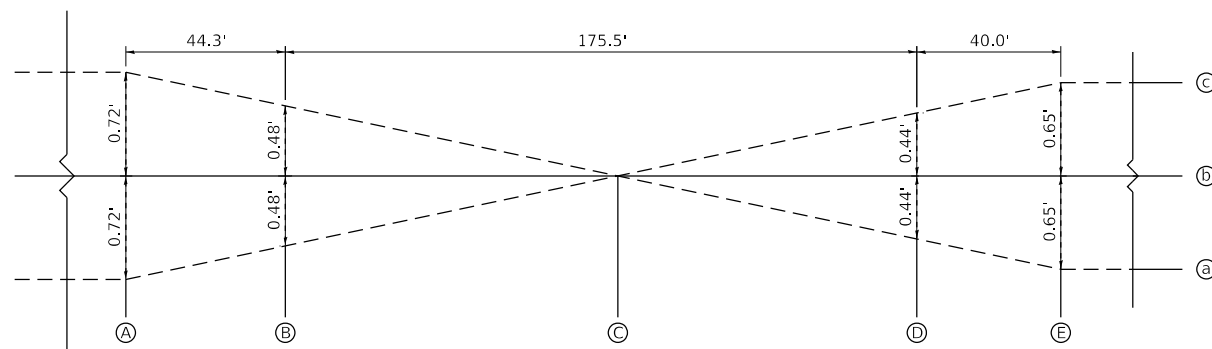
- ① GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ② 6" TOPSOIL PLACEMENT
- ③ SEEDING, CLASS 2A
- ④ SEEDING, CLASS 4
- ⑤ SEEDING, CLASS 4B (MODIFIED)
- ⑥ SODDING, SALT TOLERANT
- ⑦ AGGREGATE SUBGRADE IMPROVEMENT
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑨ BIOSWALE (SEE DETAIL)
- ⑩ SUBBASE GRANULAR MATERIAL, TYPE C
- ⑪ PIPE UNDERDRAIN, TYPE 1, 6"
- ⑫ PIPE UNDERDRAIN, TYPE 2, 4"
- ⑬ SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑭ HIGH TENSION CABLE MEDIAN BARRIER
- ⑮ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- ⑯ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- ⑰ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- ⑱ CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- ⑲ AGGREGATE SHOULDERS, TYPE B, 10"
- ⑳ HOT-MIX ASPHALT SHOULDERS, 7"
- ㉑ HOT-MIX ASPHALT SHOULDERS, 8"
- ㉒ HOT-MIX ASPHALT SHOULDERS, 10"
- ㉓ HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- ㉔ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- ㉕ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- ㉖ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ㉗ CONCRETE MEDIAN SURFACE, 6 INCH
- ㉘ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- ㉙ CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- ㉚ CONCRETE MEDIAN, TYPE SM-4.24
- ㉛ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ㉜ AGGREGATE BASE COURSE, TYPE B, 6"
- ㉝ HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"



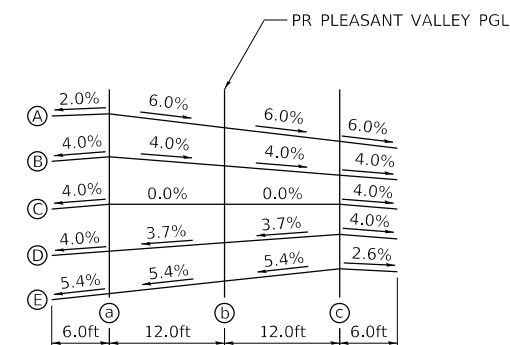
**PLEASANT VALLEY ROAD SUPERELEVATION TYPICAL SECTION**  
 STA. 275+55.74 TO STA. 281+26.20



**PLEASANT VALLEY ROAD SUPERELEVATION TYPICAL SECTION**  
 STA. 281+26.20 TO STA. 290+53.01 (WB)  
 STA. 281+26.20 TO STA. 292+24.29 (EB)  
 \* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



STATION	a	c
A 279+89.45	-6.00%	6.00%
B 280+33.78	-4.01%	4.01%
C 281+26.20	0.00%	0.00%
D 282+09.28	3.65%	-3.65%
E 282+49.28	5.40%	-5.40%



NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

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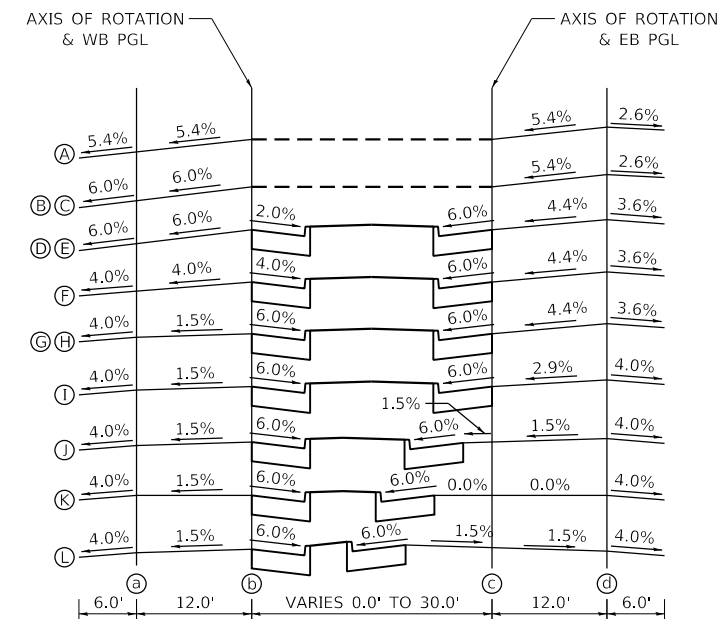
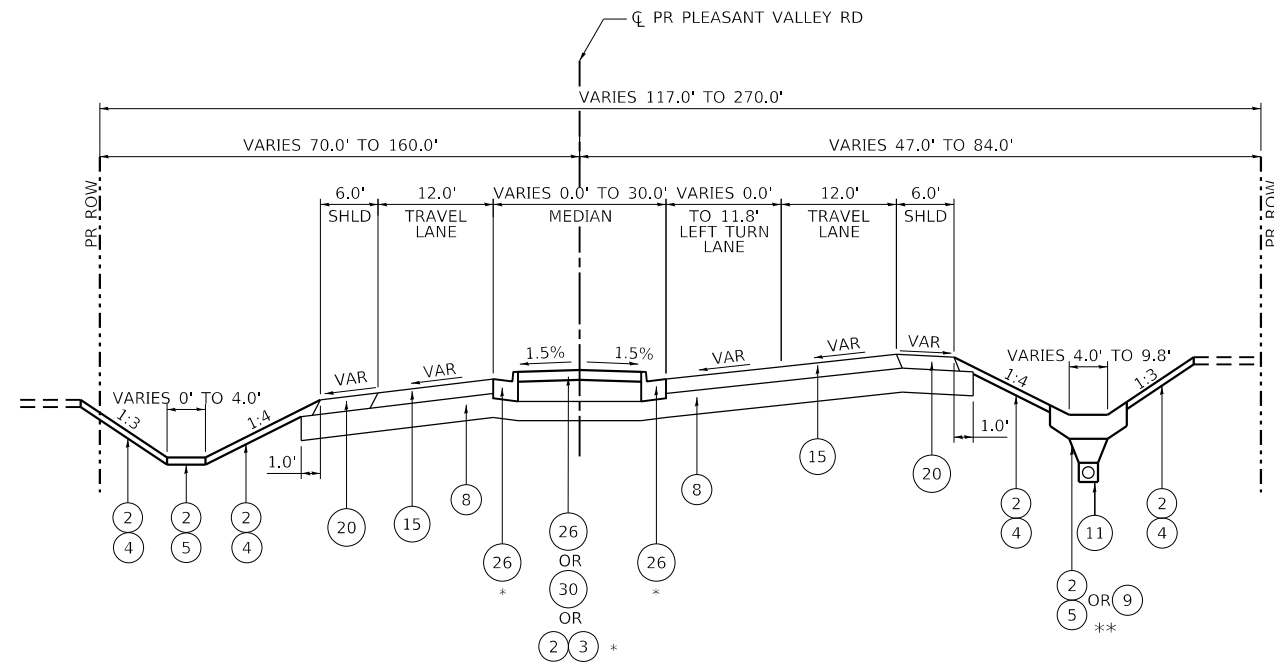
USER NAME = JackD	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	54
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				

**PROPOSED LEGEND**

- |  |  |   |   |
|--|--|---|---|
| ① GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | ⑩ SUBBASE GRANULAR MATERIAL, TYPE C              | ⑱ CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)           | ⑳ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 |
| ② 6" TOPSOIL PLACEMENT                         | ⑪ PIPE UNDERDRAIN, TYPE 1, 6"                    | ⑲ AGGREGATE SHOULDERS, TYPE B, 10"                  | ㉑ CONCRETE MEDIAN SURFACE, 6 INCH                   |
| ③ SEEDING, CLASS 2A                            | ⑫ PIPE UNDERDRAIN, TYPE 2, 4"                    | ㉒ HOT-MIX ASPHALT SHOULDERS, 7"                     | ㉒ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 |
| ④ SEEDING, CLASS 4                             | ⑬ SUBBASE GRANULAR MATERIAL, TYPE B, 4"          | ㉓ HOT-MIX ASPHALT SHOULDERS, 8"                     | ㉓ CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)           |
| ⑤ SEEDING, CLASS 4B (MODIFIED)                 | ⑭ HIGH TENSION CABLE MEDIAN BARRIER              | ㉔ HOT-MIX ASPHALT SHOULDERS, 10"                    | ㉔ CONCRETE MEDIAN, TYPE SM-4.24                     |
| ⑥ SODDING, SALT TOLERANT                       | ⑮ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"      | ㉕ HOT-MIX ASPHALT SHOULDERS, 10 1/2"                | ㉕ PORTLAND CEMENT CONCRETE SIDEWALK, 5"             |
| ⑦ AGGREGATE SUBGRADE IMPROVEMENT               | ⑯ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"     | ㉖ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 | ㉖ AGGREGATE BASE COURSE, TYPE B, 6"                 |
| ⑧ AGGREGATE SUBGRADE IMPROVEMENT, 12"          | ⑰ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2" | ㉗ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12 |   |
| ⑨ BIOSWALE (SEE DETAIL)                        |  |   |   |

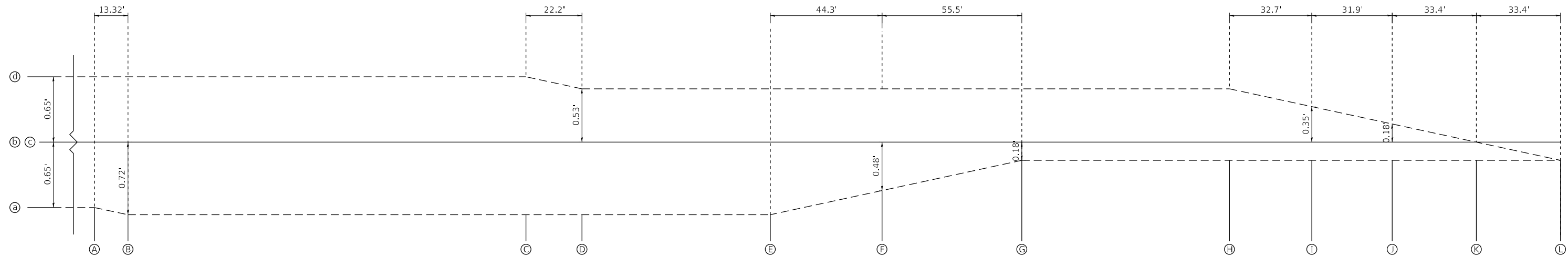
NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.



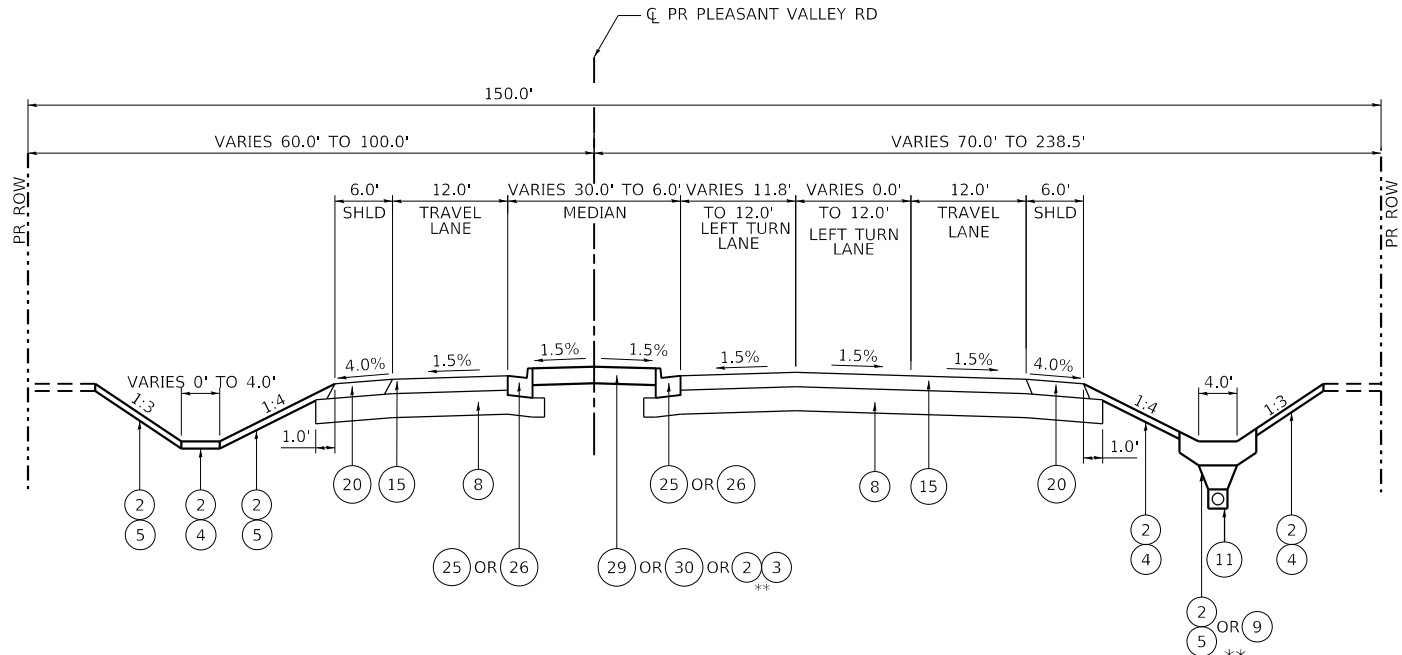
STATION	a	d
A 290+53.01	5.40%	-5.40%
B 290+66.33	6.00%	-5.40%
C 292+24.29	6.00%	-5.40%
D 292+46.49	6.00%	-4.40%
E 292+69.77	6.00%	-4.40%
F 293+14.10	4.00%	-4.40%
G 293+69.57	1.50%	-4.40%
H 295+03.46	1.50%	-4.40%
I 295+36.13	1.50%	-2.93%
J 295+68.05	1.50%	-1.50%
K 296+01.46	1.50%	0.00%
L 296+34.86	1.50%	1.50%

**PLEASANT VALLEY ROAD SUPERELEVATION TYPICAL SECTION**

STA. 290+53.01 TO STA. 293+69.57 (WB)  
 STA. 292+24.29 TO STA. 296+34.86 (EB)  
 \* SEE PLAN SHEETS FOR SPECIFIC LOCATIONS  
 \*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS

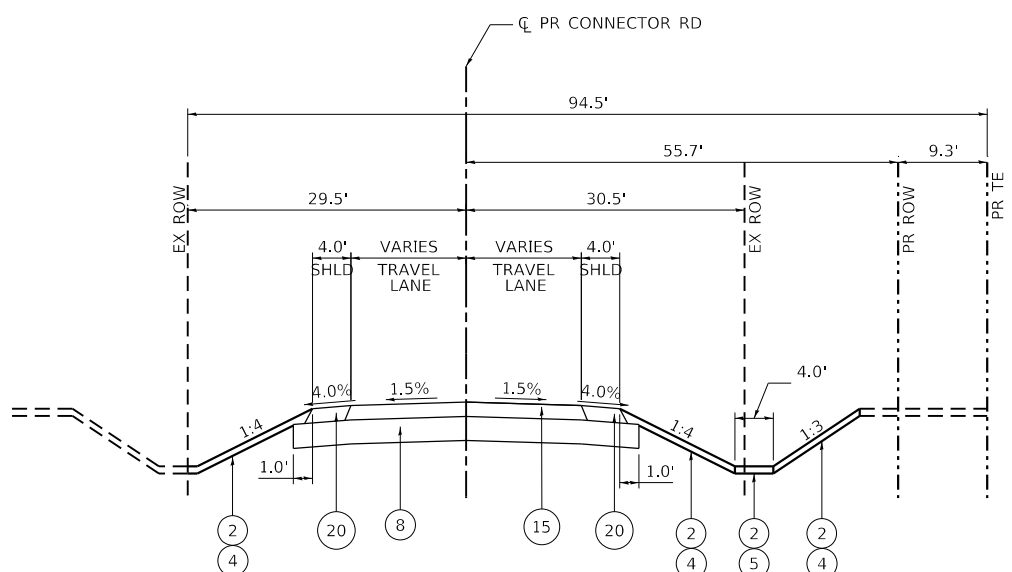


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**PLEASANT VALLEY ROAD SUPERELEVATION TYPICAL SECTION**

STA. 293+69.57 TO STA. 300+00.00 (WB)  
 STA. 296+34.86 TO STA. 300+00.00 (EB)  
 \* SEE PLAN SHEETS FOR SPECIFIC LOCATIONS  
 \*\* SEE LANDSCAPING SHEETS FOR SPECIFIC LOCATIONS



**CONNECTOR ROAD CUL-DE-SAC PROPOSED TYPICAL SECTION**

**PROPOSED LEGEND**

- ① GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ② 6" TOPSOIL PLACEMENT
- ③ SEEDING, CLASS 2A
- ④ SEEDING, CLASS 4
- ⑤ SEEDING, CLASS 4B (MODIFIED)
- ⑥ SODDING, SALT TOLERANT
- ⑦ AGGREGATE SUBGRADE IMPROVEMENT
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑨ BIOSWALE (SEE DETAIL)
- ⑩ SUBBASE GRANULAR MATERIAL, TYPE C
- ⑪ PIPE UNDERDRAIN, TYPE 1, 6"
- ⑫ PIPE UNDERDRAIN, TYPE 2, 4"
- ⑬ SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑭ HIGH TENSION CABLE MEDIAN BARRIER
- ⑮ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- ⑯ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- ⑰ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- ⑱ CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- ⑲ AGGREGATE SHOULDERS, TYPE B, 10"
- ⑳ HOT-MIX ASPHALT SHOULDERS, 7"
- ㉑ HOT-MIX ASPHALT SHOULDERS, 8"
- ㉒ HOT-MIX ASPHALT SHOULDERS, 10"
- ㉓ HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- ㉔ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- ㉕ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- ㉖ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- ㉗ CONCRETE MEDIAN SURFACE, 6 INCH
- ㉘ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- ㉙ CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- ㉚ CONCRETE MEDIAN, TYPE SM-4.24
- ㉛ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ㉜ AGGREGATE BASE COURSE, TYPE B, 6"
- ㉝ HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

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1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

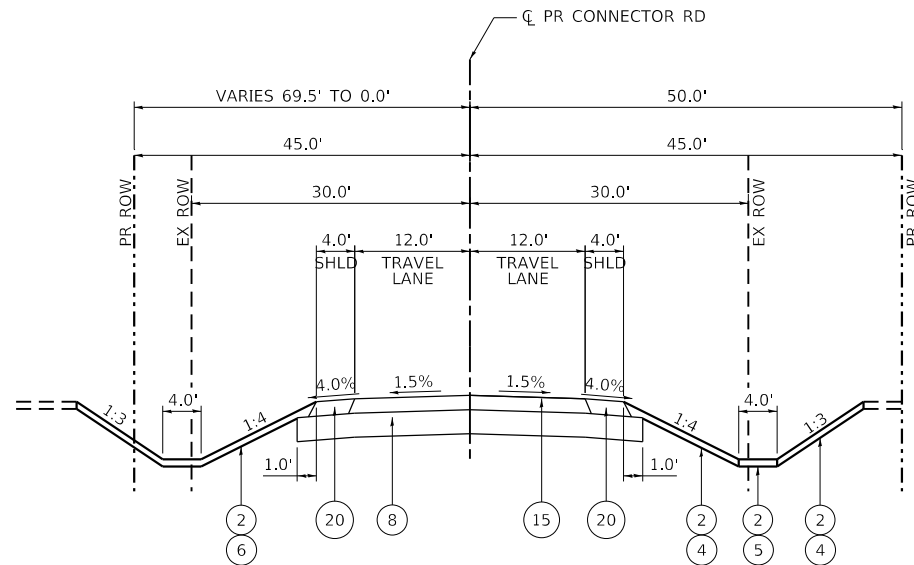
**PLEASANT VALLEY ROAD**  
**TYPICAL SECTIONS**

SCALE: SHEET 24 OF 26 SHEETS STA. TO STA.

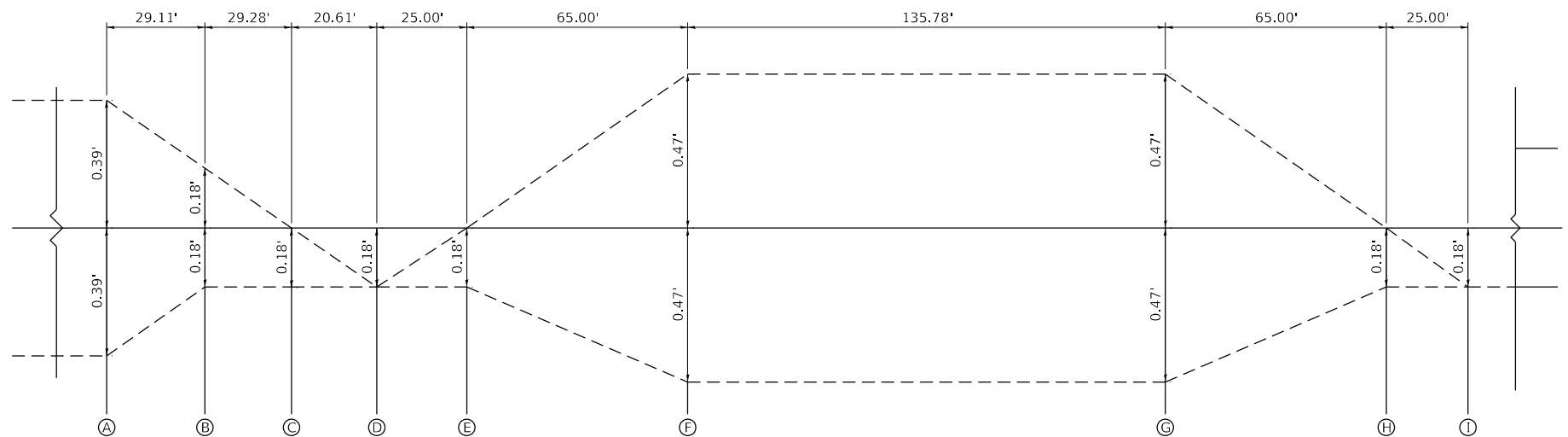
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	56
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	



MODEL: D:\a\11\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_S\Sheet1D 162B43-25-strandtypical.dgn  
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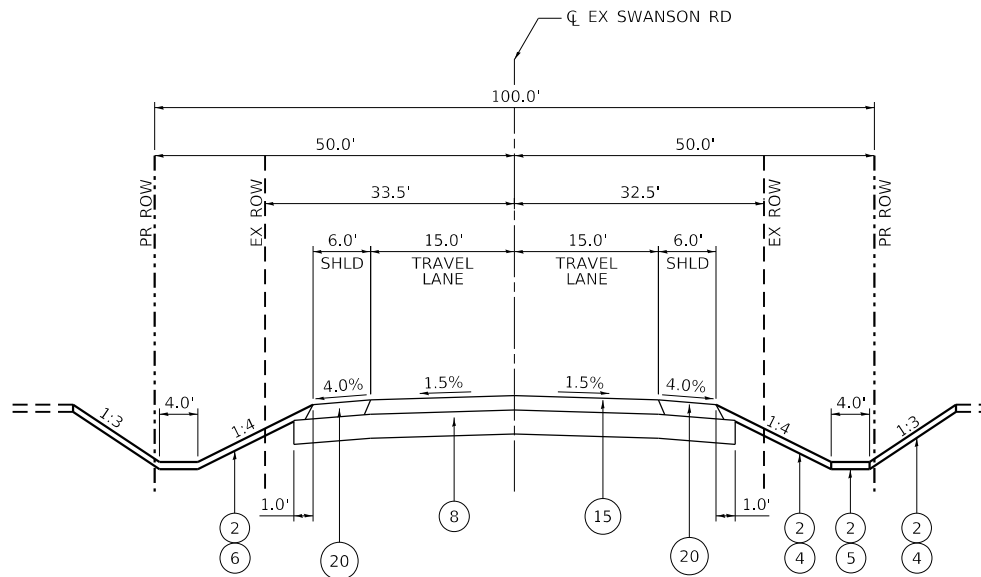


**CONNECTOR ROAD PROPOSED TYPICAL SECTION**  
STA. 400+00.00 TO STA. 404+10.00

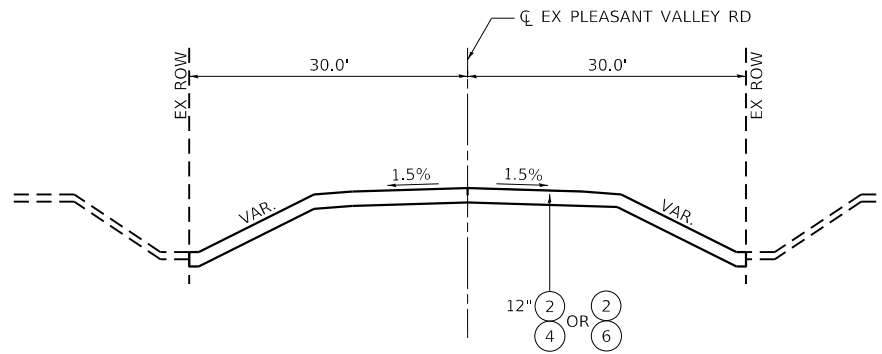


Station	Left Slope	Centerline	Right Slope
A	4.0%	3.25%	3.25%
B	4.0%	1.50%	1.50%
C	4.0%	1.50%	0.00%
D	4.0%	1.50%	-1.50%
E	4.0%	0.00%	-1.50%
F	4.0%	-3.88%	-3.88%
G	4.0%	-3.88%	-3.88%
H	4.0%	0.00%	-1.50%
I	4.0%	1.50%	-1.50%

STATION	a	c
A 400+12.00	3.25%	3.25%
B 400+41.11	1.50%	1.50%
C 400+70.39	1.50%	0.00%
D 400+91.00	1.50%	-1.50%
E 401+16.00	0.00%	-1.50%
F 401+81.00	-3.88%	-3.88%
G 403+16.78	-3.88%	-3.88%
H 403+81.78	0.00%	-1.50%
I 404+06.78	1.50%	-1.50%



**SWANSON ROAD PROPOSED TYPICAL SECTION**  
STA. 502+16.66 TO STA. 507+65.50



**CONNECTOR ROAD PROPOSED TYPICAL SECTION**  
BETWEEN PR PLEASANT VALLEY ROAD AND PR CONNECTOR RD  
STA. 8+54.88 TO STA. 12+64.88  
BETWEEN EX PLEASANT VALLEY ROAD AND IL RTE 47  
STA. 412+69.36 TO STA. 415+48.09

**PROPOSED LEGEND**

- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
- 12 PIPE UNDERDRAIN, TYPE 2, 4"
- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 14 HIGH TENSION CABLE MEDIAN BARRIER
- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- 16 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
- 20 HOT-MIX ASPHALT SHOULDERS, 7"
- 21 HOT-MIX ASPHALT SHOULDERS, 8"
- 22 HOT-MIX ASPHALT SHOULDERS, 10"
- 23 HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

**IDOT DISTRICT ONE  
HOT-MIX ASPHALT REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
HMA PAVEMENT (FD) 10 1/2" (IL ROUTE 47)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70: 2"	4% @ 70 GYR	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90: 2 1/4"	4% @ 90 GYR	QCP
HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90: 6 1/4"	4% @ 90 GYR	PFP
HMA PAVEMENT (FD) 10" (IL ROUTE 176)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70: 2"	4% @ 70 GYR	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90: 2 1/4"	4% @ 90 GYR	QCP
HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90: 5 3/4"	4% @ 90 GYR	QCP
HMA PAVEMENT (FD) 7" (PLEASANT VALLEY RD, CONNECTOR RD, & SWANSON RD)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70: 2"	4% @ 70 GYR	QCP
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: 5"	4% @ 70 GYR	QCP
HMA SHOULDERS 8" (INTERIOR) - IL ROUTE 47 & IL ROUTE 176		
HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70: 2"	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90: 6"	4% @ 90 GYR	QC/QA
HMA SHOULDERS 10 1/2" (EXTERIOR) - IL ROUTE 47		
HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70: 2"	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90: 8 1/2"	4% @ 90 GYR	QC/QA
HMA SHOULDERS 10" (EXTERIOR) - IL ROUTE 176		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70: 2"	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90: 8"	4% @ 90 GYR	QCP
HMA SHOULDERS 7" (EXTERIOR) - (PLEASANT VALLEY ROAD, CONNECTOR RD, & SWANSON RD)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70: 2"	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: 4"	4% @ 70 GYR	QC/QA
HMA MULTI-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50: 2"	4% @ 50 GYR	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50: 2"	4% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm); PE - 6"; CE - 8"	4% @ 50 GYR	QC/QA
TEMPORARY PAVEMENT (OPTION 1)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70: 2"	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: 8"	4% @ 70 GYR	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER COURSE IL-19mm)	4% @ 70 GYR	QC/QA

**HOT-MIX ASPHALT NOTES:**

THE UNIT WEIGHT USED TO CALCULATE HOT-MIX ASPHALT MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HOT-MIX ASPHALT MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HOT-MIX ASPHALT THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

IF THE CONTRACTOR CHOOSES TO USE PORTLAND CEMENT CONCRETE FOR TEMPORARY PAVEMENT, THE THICKNESS SHALL BE 8". PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

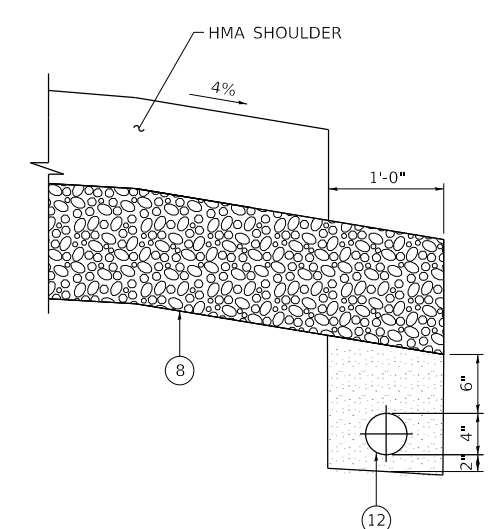
**SUBGRADE NOTES:**

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

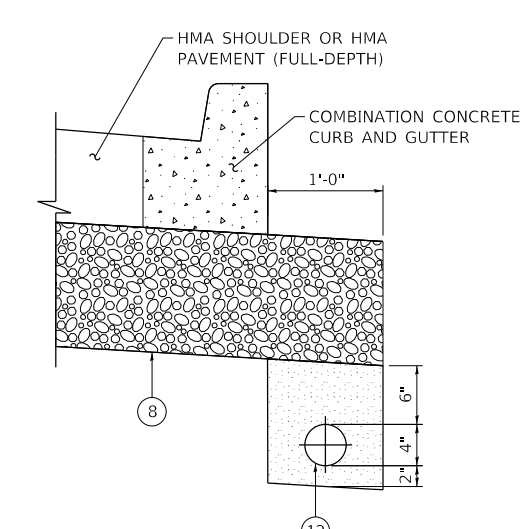
AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS 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.

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

APPROXIMATE UNDERCUT LIMITS		
STATION LIMITS	TREATMENT WIDTH	TREATMENT DEPTH/ELEVATION (FEET)
582+50 TO 585+50	ROADWAY WIDENING BOTH SIDES	2.0/914.6
615+50 TO 617+00	30' LT TO 80' LT	3.0/893.6
623+00 TO 626+50	EMBANKMENT WIDTH NORTHBOUND	6.5/893.6
626+50 TO 628+50	EMBANKMENT WIDTH SOUTHBOUND	7.0/890.8
637+00 TO 640+00	30' RT TO 80' RT	3.0 TO 5.0/900.0
651+00 TO 652+50	30' RT TO 80' RT	1.0 TO 3.0/907.0
307+50 TO 608+50	30' LT TO 70' LT	3.0/911.1
423+00 TO 425+50	CENTERLINE TO 80' LT	2.3/906.7



**PIPE UNDERDRAIN 4" - UNDER SHOULDER**



**PIPE UNDERDRAIN 4" - UNDER CURB AND GUTTER**

**PROPOSED LEGEND**

- 1 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 2 6" TOPSOIL PLACEMENT
- 3 SEEDING, CLASS 2A
- 4 SEEDING, CLASS 4
- 5 SEEDING, CLASS 4B (MODIFIED)
- 6 SODDING, SALT TOLERANT
- 7 AGGREGATE SUBGRADE IMPROVEMENT
- 8 AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 9 BIOSWALE (SEE DETAIL)
- 10 SUBBASE GRANULAR MATERIAL, TYPE C
- 11 PIPE UNDERDRAIN, TYPE 1, 6"
- 12 PIPE UNDERDRAIN, TYPE 2, 4"
- 13 SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- 14 HIGH TENSION CABLE MEDIAN BARRIER
- 15 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- 16 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
- 17 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/2"
- 18 CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)
- 19 AGGREGATE SHOULDERS, TYPE B, 10"
- 20 HOT-MIX ASPHALT SHOULDERS, 7"
- 21 HOT-MIX ASPHALT SHOULDERS, 8"
- 22 HOT-MIX ASPHALT SHOULDERS, 10"
- 23 HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- 24 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- 25 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 26 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 27 CONCRETE MEDIAN SURFACE, 6 INCH
- 28 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- 29 CONCRETE MEDIAN, TYPE SM-4.12 (SPECIAL)
- 30 CONCRETE MEDIAN, TYPE SM-4.24
- 31 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 32 AGGREGATE BASE COURSE, TYPE B, 6"
- 33 HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER TOP LIFT OF HMA BINDER COURSE.

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PLOT SCALE = 20.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 12/19/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HOT-MIX ASPHALT REQUIREMENTS & PIPE UNDERDRAIN DETAIL  
TYPICAL SECTIONS**

SCALE: SHEET 26 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	58
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				



















SUMMARY									
EARTHWORK SCHEDULE									
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE(+) OR SHORTAGE(-)	PLANNED UNDERCUT MATERIAL	
				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)					
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
<b>PRESTAGE</b>									
IL ROUTE 47	4,933	4,193	2,929	1,264	4,533	1,067	3,466	2,974	
IL ROUTE 176 EAST	745	633	936	-303	1,330	195	1,135	444	
<b>SUBTOTAL</b>	<b>5,678</b>	<b>4,826</b>	<b>3,866</b>	<b>960</b>	<b>5,864</b>	<b>1,263</b>	<b>4,601</b>	<b>3,419</b>	
<b>STAGE 1</b>									
IL ROUTE 47	17,987	15,289	51,195	-35,907	2,467	7,250	-4,783	9,348	
IL ROUTE 176 EAST	4,052	3,444	19,456	-16,012	8,049	2,468	5,582	889	
NORTHBOUND RIGHT TURN BYPASS	687	584	16,203	-15,619	4,577	1,303	3,275	0	
SWANSON ROAD	727	618	2,067	-1,449	1,885	453	1,432	0	
BIOSWALES	7,793	6,624	0	6,624	0	0	0	0	
<b>SUBTOTAL</b>	<b>31,246</b>	<b>26,559</b>	<b>88,921</b>	<b>-62,363</b>	<b>16,979</b>	<b>11,473</b>	<b>5,506</b>	<b>10,237</b>	
<b>STAGE 2</b>									
IL ROUTE 47	18,023	15,320	45,279	-29,959	10,169	7,749	2,420	6,250	
COMPENSATORY STORAGE BASIN	13,689	11,636	31	11,605	6,770	2,708	4,062	0	
PLEASANT VALLEY ROAD	8,456	7,188	11,805	-4,617	10,564	2,231	8,333	0	
DETENTION BASIN #2	3,931	3,341	1,110	2,231	1,862	745	1,117	0	
BMP DETENTION BASIN #19A	1,749	1,487	954	533	1,238	495	743	0	
BMP DETENTION BASIN #19B	4,612	3,920	7	3,913	956	383	573	0	
CONNECTOR ROAD	772	656	559	97	1,097	256	840	0	
IL ROUTE 176 WEST	7,886	6,703	13,365	-6,661	12,875	3,011	9,863	1,645	
SOUTHBOUND RIGHT TURN BYPASS	1,024	871	2,239	-1,368	1,654	499	1,156	0	
BIOSWALES	7,730	6,570	0	6,570	0	0	0	0	
<b>SUBTOTAL</b>	<b>67,873</b>	<b>57,692</b>	<b>75,349</b>	<b>-17,657</b>	<b>47,184</b>	<b>18,077</b>	<b>29,107</b>	<b>7,895</b>	
<b>STAGE 3</b>									
IL ROUTE 47	16,908	14,372	9,661	4,711	8,694	4,685	4,009	0	
IL ROUTE 176 EAST	1,178	1,001	2,446	-1,444	1,917	640	1,277	0	
NORTHBOUND RIGHT TURN BYPASS	0	0	2,372	-2,372	585	228	357	0	
IL ROUTE 176 WEST	2,778	2,361	2,861	-500	2,887	799	2,088	383	
<b>SUBTOTAL</b>	<b>20,864</b>	<b>17,735</b>	<b>17,340</b>	<b>395</b>	<b>14,083</b>	<b>6,352</b>	<b>7,731</b>	<b>383</b>	
<b>TOTAL QUANTITIES</b>	<b>125,660</b>	<b>106,811</b>	<b>185,475</b>	<b>-78,664</b>	<b>84,109</b>	<b>37,164</b>	<b>46,945</b>	<b>21,934</b>	

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1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	67
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



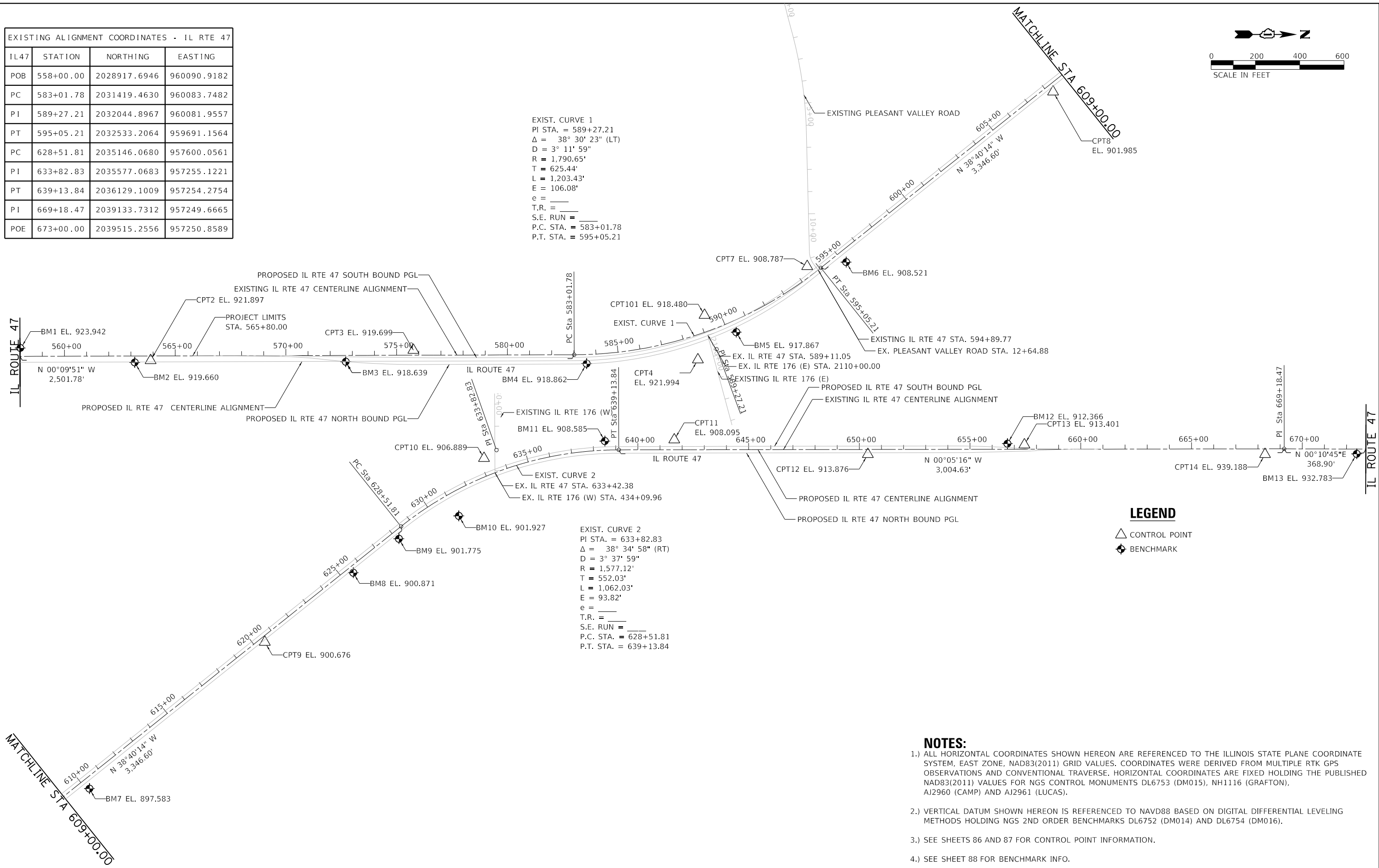
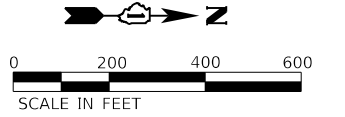




EXISTING ALIGNMENT COORDINATES - IL RTE 47			
IL47	STATION	NORTHING	EASTING
POB	558+00.00	2028917.6946	960090.9182
PC	583+01.78	2031419.4630	960083.7482
PI	589+27.21	2032044.8967	960081.9557
PT	595+05.21	2032533.2064	959691.1564
PC	628+51.81	2035146.0680	957600.0561
PI	633+82.83	2035577.0683	957255.1221
PT	639+13.84	2036129.1009	957254.2754
PI	669+18.47	2039133.7312	957249.6665
POE	673+00.00	2039515.2556	957250.8589

EXIST. CURVE 1  
 PI STA. = 589+27.21  
 $\Delta = 38^\circ 30' 23''$  (LT)  
 $D = 3^\circ 11' 59''$   
 $R = 1,790.65'$   
 $T = 625.44'$   
 $L = 1,203.43'$   
 $E = 106.08'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 583+01.78  
 P.T. STA. = 595+05.21

EXIST. CURVE 2  
 PI STA. = 633+82.83  
 $\Delta = 38^\circ 34' 58''$  (RT)  
 $D = 3^\circ 37' 59''$   
 $R = 1,577.12'$   
 $T = 552.03'$   
 $L = 1,062.03'$   
 $E = 93.82'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 628+51.81  
 P.T. STA. = 639+13.84



**LEGEND**

- CONTROL POINT
- BENCHMARK

**NOTES:**

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BENCHMARK INFO.

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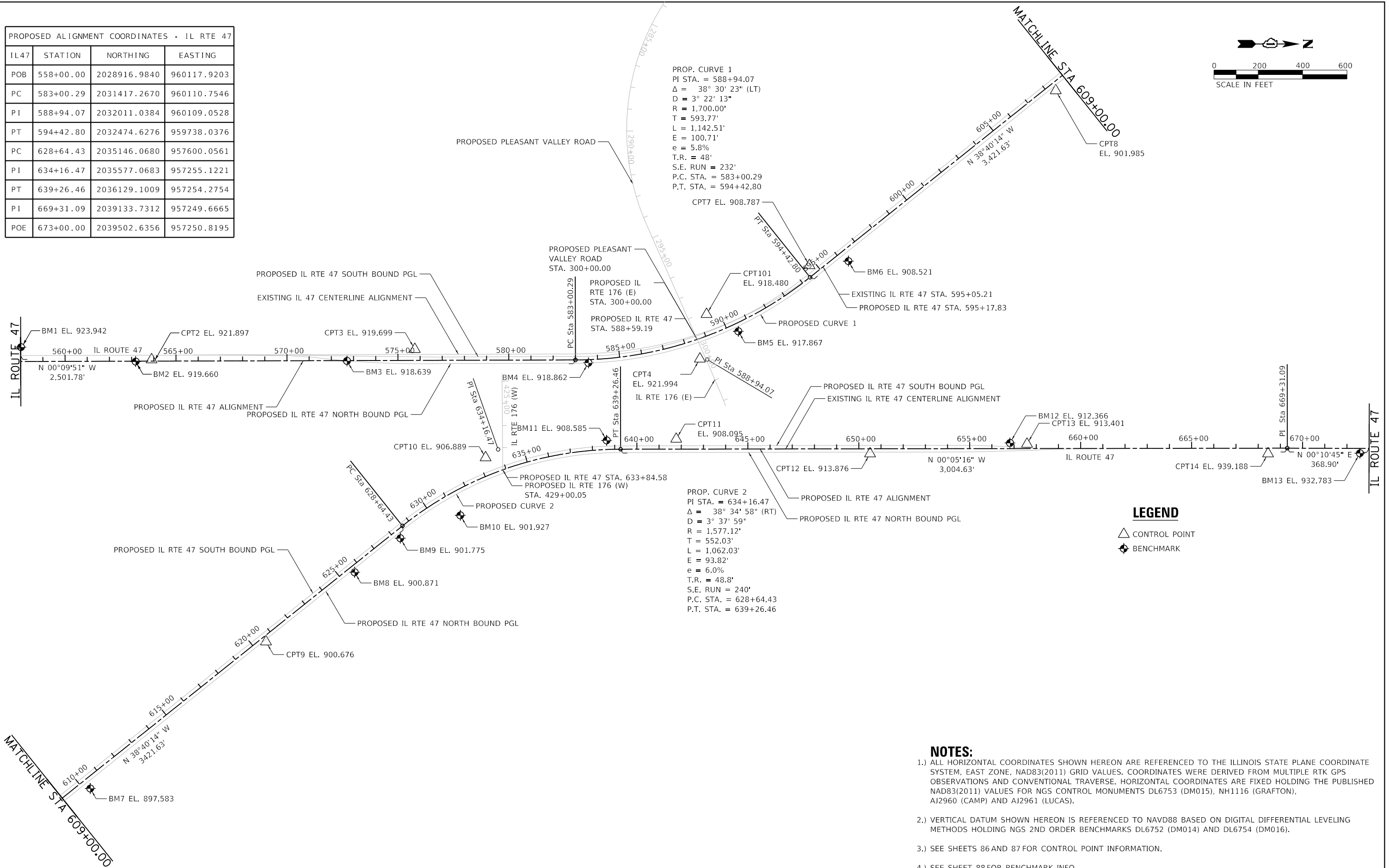
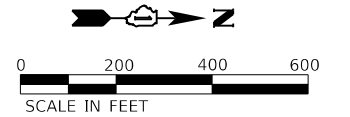
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PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 EXISTING ALIGNMENT</b>			
SCALE: 1"=200'	SHEET 1	OF 18 SHEETS	STA. 558+00.00 TO STA. 673+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	71
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

PROPOSED ALIGNMENT COORDINATES - IL RTE 47			
IL47	STATION	NORTHING	EASTING
POB	558+00.00	2028916.9840	960117.9203
PC	583+00.29	2031417.2670	960110.7546
PI	588+94.07	2032011.0384	960109.0528
PT	594+42.80	2032474.6276	959738.0376
PC	628+64.43	2035146.0680	957600.0561
PI	634+16.47	2035577.0683	957255.1221
PT	639+26.46	2036129.1009	957254.2754
PI	669+31.09	2039133.7312	957249.6665
POE	673+00.00	2039502.6356	957250.8195



PROP. CURVE 1  
 PI STA. = 588+94.07  
 $\Delta = 38^\circ 30' 23''$  (LT)  
 $D = 3^\circ 22' 13''$   
 $R = 1,700.00'$   
 $T = 593.77'$   
 $L = 1,142.51'$   
 $E = 100.71'$   
 $e = 5.8\%$   
 $T.R. = 48'$   
 $S.E. RUN = 232'$   
 $P.C. STA. = 583+00.29$   
 $P.T. STA. = 594+42.80$

PROP. CURVE 2  
 PI STA. = 634+16.47  
 $\Delta = 38^\circ 34' 58''$  (RT)  
 $D = 3^\circ 37' 59''$   
 $R = 1,577.12'$   
 $T = 552.03'$   
 $L = 1,062.03'$   
 $E = 93.82'$   
 $e = 6.0\%$   
 $T.R. = 48.8'$   
 $S.E. RUN = 240'$   
 $P.C. STA. = 628+64.43$   
 $P.T. STA. = 639+26.46$

**LEGEND**

- CONTROL POINT
- BENCHMARK

**NOTES:**

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BENCHMARK INFO.

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	DATE - 12/15/2023	REVISD -

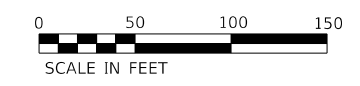
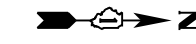
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
 PROPOSED ALIGNMENT**

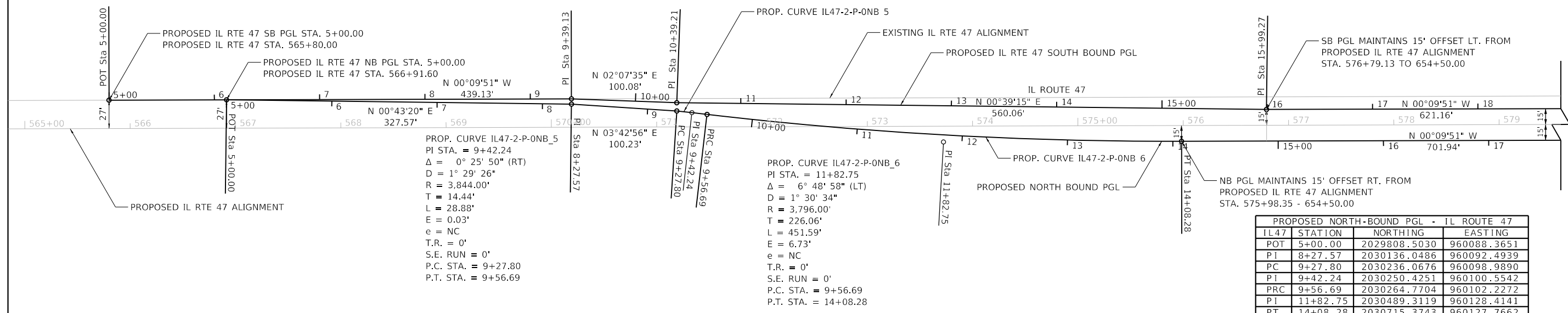
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	72
CONTRACT NO. 62B43				
		ILLINOIS	FED. AID PROJECT	



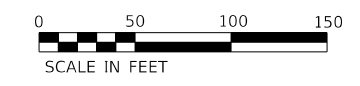
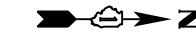


PROPOSED SOUTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
POT	5+00.00	2029696.9017	960088.6850
PI	9+39.13	2030136.0341	960087.4264
PI	10+39.21	2030236.0451	960091.1398
PI	15+99.27	2030796.0658	960097.5349

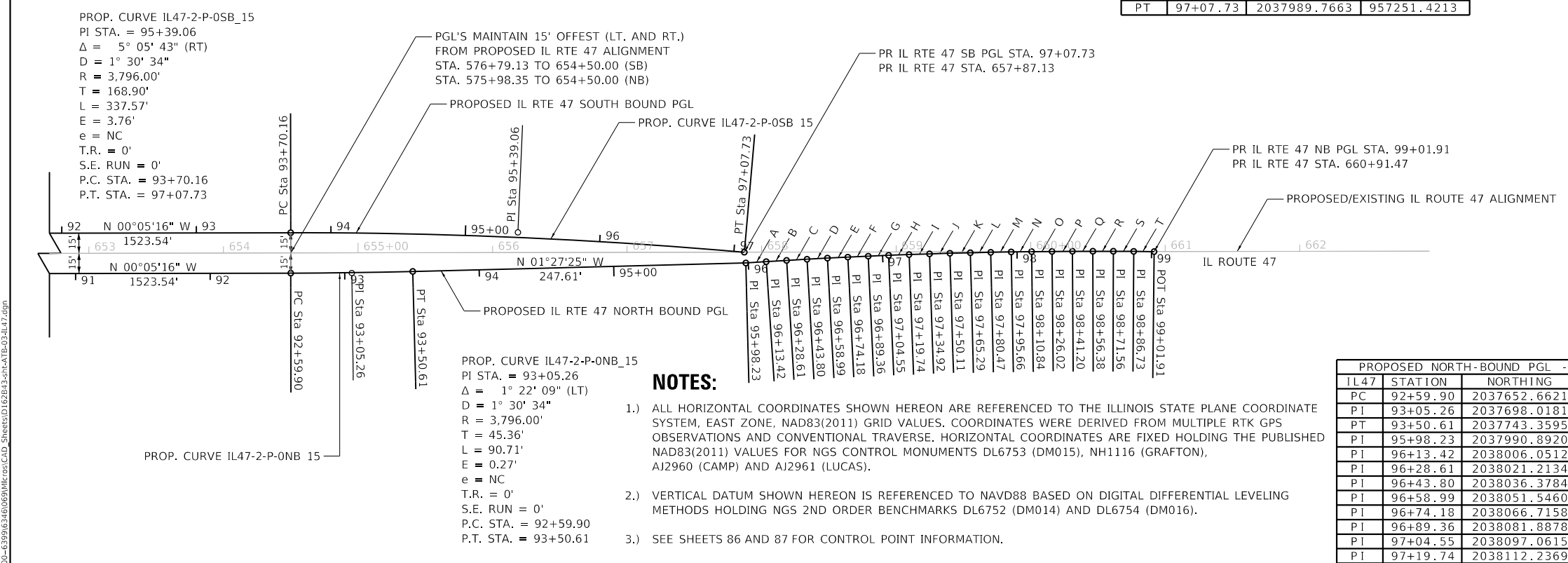


PROPOSED NORTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
POT	5+00.00	2029808.5030	960088.3651
PI	8+27.57	2030136.0486	960092.4939
PC	9+27.80	2030236.0676	960098.9890
PI	9+42.24	2030250.4251	960100.5542
PRC	9+56.69	2030264.7704	960102.2272
PI	11+82.75	2030489.3119	960128.4141
PT	14+08.28	2030715.3743	960127.7662

PROPOSED SOUTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
PC	93+70.16	2037652.6161	957236.9384
PI	95+39.06	2037821.5134	957236.6793
PT	97+07.73	2037989.7663	957251.4213



BEARING LENGTH TABLE		
NAME	BEARING	LENGTH
A.	N 03° 45' 12" W	15.19'
B.	N 03° 31' 35" W	15.19'
C.	N 03° 17' 58" W	15.19'
D.	N 03° 04' 21" W	15.19'
E.	N 02° 50' 44" W	15.19'
F.	N 02° 37' 07" W	15.19'
G.	N 02° 23' 30" W	15.19'
H.	N 02° 09' 53" W	15.19'
I.	N 01° 56' 16" W	15.19'
J.	N 01° 42' 39" W	15.18'
K.	N 01° 29' 02" W	15.18'
L.	N 01° 15' 25" W	15.18'
M.	N 01° 01' 48" W	15.18'
N.	N 00° 48' 11" W	15.18'
O.	N 00° 34' 34" W	15.18'
P.	N 00° 20' 57" W	15.18'
Q.	N 00° 07' 20" W	15.18'
R.	N 00° 06' 17" E	15.18'
S.	N 00° 19' 54" E	15.18'
T.	N 00° 33' 30" E	15.18'



- NOTES:**
- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
  - 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
  - 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
  - 4.) SEE SHEET 88 FOR BM INFO.

PROPOSED NORTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
PC	92+59.90	2037652.6621	957266.9384
PI	93+05.26	2037698.0181	957266.8688
PT	93+50.61	2037743.3595	957265.7155
PI	95+98.23	2037990.8920	957259.4195
PI	96+13.42	2038006.0512	957258.4251
PI	96+28.61	2038021.2134	957257.4907
PI	96+43.80	2038036.3784	957256.6165
PI	96+58.99	2038051.5460	957255.8023
PI	96+74.18	2038066.7158	957255.0483
PI	96+89.36	2038081.8878	957254.3544
PI	97+04.55	2038097.0615	957253.7207
PI	97+19.74	2038112.2369	957253.1470

PROPOSED NORTH-BOUND PGL - IL ROUTE 47			
IL47	STATION	NORTHING	EASTING
PI	97+34.92	2038127.4136	957252.6335
PI	97+50.11	2038142.5915	957252.1802
PI	97+65.29	2038157.7702	957251.7870
PI	97+80.47	2038172.9496	957251.4539
PI	97+95.66	2038188.1293	957251.1810
PI	98+10.84	2038203.3092	957250.9682
PI	98+26.02	2038218.4891	957250.8155
PI	98+41.20	2038233.6686	957250.7230
PI	98+56.38	2038248.8476	957250.6906
PI	98+71.56	2038264.0259	957250.7183
PI	98+86.73	2038279.2030	957250.8061
POT	99+01.91	2038294.3790	957250.9540



USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SIG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

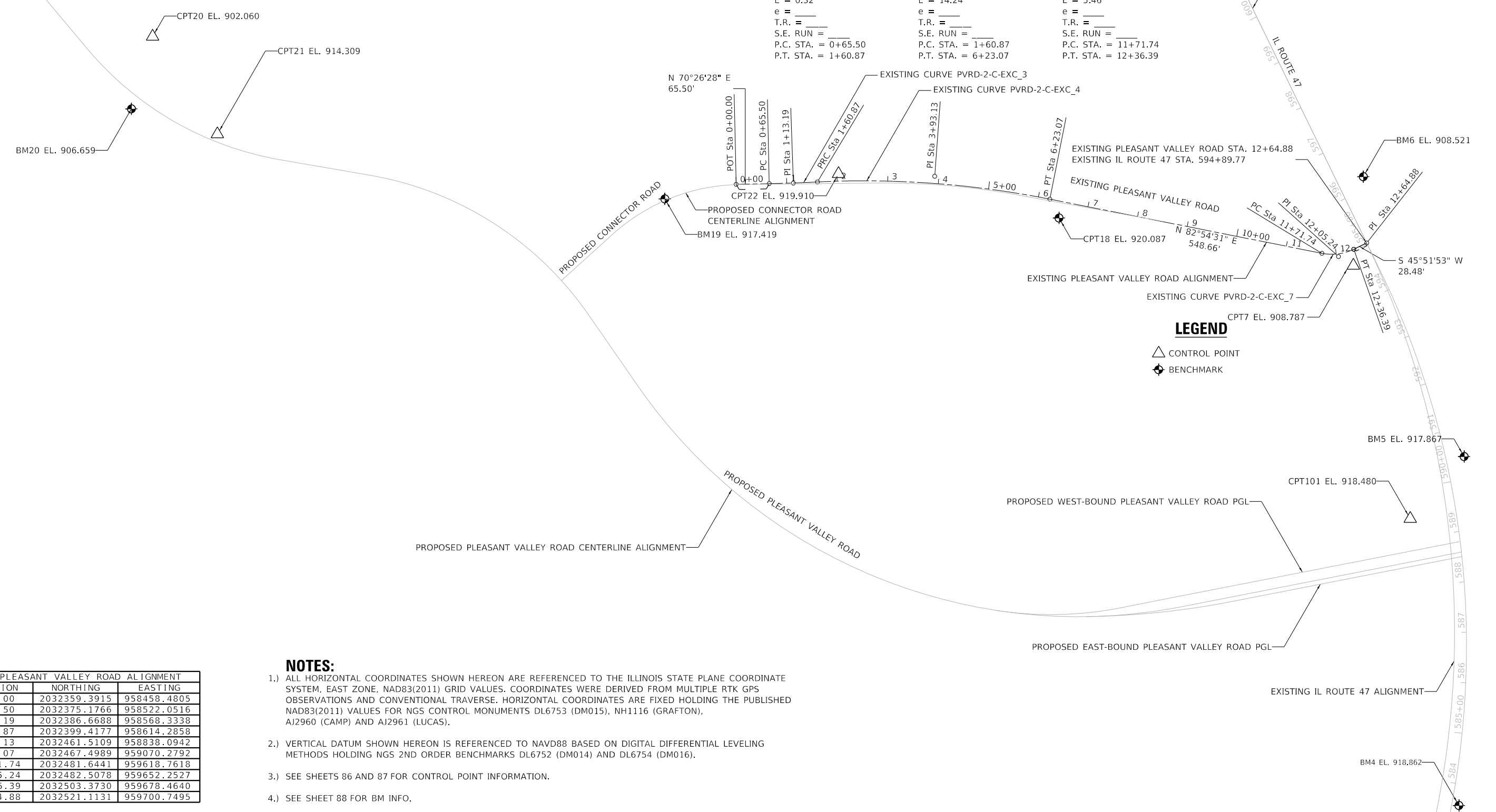
<b>IL ROUTE 47 PROPOSED NB &amp; SB PGL ALIGNMENTS</b>			
SCALE: 1"=50'	SHEET 3 OF 18 SHEETS	STA. N/A TO STA. N/A	

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 73
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B43	



0 100 200 300  
SCALE IN FEET

EXIST. CURVE PVRD-2-C-EXC_3	EXIST. CURVE PVRD-2-C-EXC_4	EXIST. CURVE PVRD-2-C-EXC_7
PI STA. = 1+13.19	PI STA. = 3+93.13	PI STA. = 12+05.24
$\Delta = 1^\circ 33' 40"$ (LT)	$\Delta = 14^\circ 01' 44"$ (RT)	$\Delta = 37^\circ 02' 38"$ (LT)
$D = 1^\circ 38' 13"$	$D = 3^\circ 02' 07"$	$D = 57^\circ 17' 45"$
$R = 3,500.00'$	$R = 1,887.70'$	$R = 100.00'$
$T = 47.69'$	$T = 232.26'$	$T = 33.50'$
$L = 95.37'$	$L = 462.20'$	$L = 64.65'$
$E = 0.32'$	$E = 14.24'$	$E = 5.46'$
$e = \quad$	$e = \quad$	$e = \quad$
T.R. =	T.R. =	T.R. =
S.E. RUN =	S.E. RUN =	S.E. RUN =
P.C. STA. = 0+65.50	P.C. STA. = 1+60.87	P.C. STA. = 11+71.74
P.T. STA. = 1+60.87	P.T. STA. = 6+23.07	P.T. STA. = 12+36.39



**LEGEND**

- △ CONTROL POINT
- ⊕ BENCHMARK

- NOTES:**
- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
  - 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
  - 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
  - 4.) SEE SHEET 88 FOR BM INFO.

PV RD	STATION	NORTHING	EASTING
POT	0+00.00	2032359.3915	958458.4805
PC	0+65.50	2032375.1766	958522.0516
PI	1+13.19	2032386.6688	958568.3338
PRC	1+60.87	2032399.4177	958614.2858
PI	3+93.13	2032461.5109	958838.0942
PT	6+23.07	2032467.4989	959070.2792
PC	11+71.74	2032481.6441	959618.7618
PI	12+05.24	2032482.5078	959652.2527
PT	12+36.39	2032503.3730	959678.4640
PI	12+64.88	2032521.1131	959700.7495

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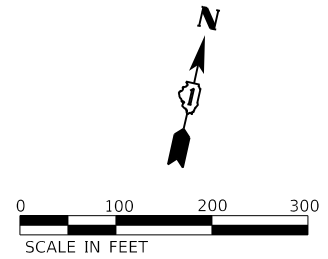
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PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLEASANT VALLEY ROAD  
EXISTING ALIGNMENT**

SCALE: 1"=100' SHEET 4 OF 18 SHEETS STA. 0+00.00 TO STA. 12+64.88

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	74
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



PROP. CURVE CONN-2-C-007\_3  
 PI STA. = 402+55.07  
 Δ = 42° 52' 51" (RT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 117.81'  
 L = 224.52'  
 E = 22.30'  
 e = 3.88%  
 T.R. = 25.00'  
 S.E. RUN = 65.00'  
 P.C. STA. = 401+37.26  
 P.T. STA. = 403+61.78

PROP. CURVE CONN-2-C-007\_6  
 PI STA. = 408+34.13  
 Δ = 10° 58' 02" (RT)  
 D = 3° 55' 28"  
 R = 1,460.00'  
 T = 140.16'  
 L = 279.47'  
 E = 6.71'  
 e = NC (LOW SPEED URBAN)  
 T.R. = NA  
 S.E. RUN = NA  
 P.C. STA. = 406+93.96  
 P.T. STA. = 409+73.43

PROP. CURVE PVRD-2-D-000\_3  
 PI STA. = 271+13.68  
 Δ = 40° 10' 45" (LT)  
 D = 8° 57' 09"  
 R = 640.00'  
 T = 234.08'  
 L = 448.81'  
 E = 41.46'  
 e = APPROX. 8% (MATCH EX)  
 T.R. = 33.3'  
 S.E. RUN = 177.6'  
 P.C. STA. = 268+79.61  
 P.T. STA. = 273+28.41

PROP. CURVE PVRD-2-D-000\_6  
 PI STA. = 277+87.14  
 Δ = 45° 20' 50" (RT)  
 D = 8° 40' 52"  
 R = 660.00'  
 T = 275.73'  
 L = 522.36'  
 E = 55.28'  
 e = 6.0%  
 T.R. = 33.3'  
 S.E. RUN = 133.2'  
 P.C. STA. = 275+11.41  
 P.T. STA. = 280+33.78

PROP. CURVE PVRD-2-D-000\_9  
 PI STA. = 289+01.27  
 Δ = 66° 16' 29" (LT)  
 D = 5° 24' 19"  
 R = 1,060.00'  
 T = 691.99'  
 L = 1,226.11'  
 E = 205.88'  
 e = 6.0%  
 T.R. = 33.3'  
 S.E. RUN = 133.2'  
 P.C. STA. = 282+09.28  
 P.T. STA. = 294+35.39

PROPOSED CONNECTOR ROAD ALIGNMENT			
CONRD	STATION	NORTHING	EASTING
POT	400+00.00	2032106.9734	958225.5788
PC	401+37.26	2032221.0068	958225.5788
PT	402+55.07	2032319.0976	958291.0059
PT	403+61.78	2032346.3697	958405.6189
PC	406+93.96	2032423.2644	958728.7757
PI	408+34.13	2032455.7098	958865.1302
PT	409+73.43	2032461.6213	959005.1669
POT	412+69.36	2032474.1025	959300.8307

PROPOSED PLEASANT VALLEY ROAD ALIGNMENT			
PV RD	STATION	NORTHING	EASTING
POT	264+66.63	2032588.6785	956818.6795
PC	268+79.61	2032338.3344	957147.1252
PT	271+13.68	2032196.4390	957333.2887
PT	273+28.41	2032208.1358	957567.0714
PC	275+11.41	2032217.2803	957749.8428
PI	277+87.14	2032231.0584	958025.2261
PT	280+33.78	2032044.8395	958228.5688
PC	282+09.28	2031926.3115	958357.9962
PT	289+01.27	2031458.9609	958868.3223
PT	294+35.39	2031738.1164	959501.5058
POT	300+00.00	2031965.8857	960018.1345

- NOTES:**
- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
  - 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
  - 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
  - 4.) SEE SHEET 88 FOR BM INFO.



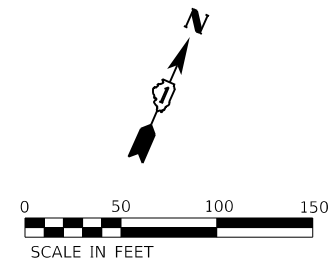
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PLOT DATE = 12/19/2023	CHECKED - SIG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLEASANT VALLEY ROAD AND CONNECTOR ROAD  
 PROPOSED ALIGNMENTS**

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 75
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

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PROP. CURVE PVRD-2-P-0WB\_1  
 PI STA. = 2001+24.86  
 $\Delta = 19^\circ 56' 54''$  (LT)  
 $D = 8^\circ 04' 11''$   
 $R = 710.00'$   
 $T = 124.86'$   
 $L = 247.20'$   
 $E = 10.90'$   
 $e = 6.0\%$   
 $T.R. = 0'$   
 $S.E. RUN = 55.5'$   
 P.C. STA. = 2000+00.00  
 P.T. STA. = 2002+47.20

PV RD	STATION	NORTHING	EASTING
PC	2000+00.00	2031650.4204	959144.9369
PI	2001+24.86	2031658.7893	959269.5189
PT	2002+47.20	2031709.1602	959383.7708
POT	2003+66.61	2031757.3319	959493.0342
POT	2009+31.22	2031985.1011	960009.6629

PROP. CURVE PVRD-2-P-0EB\_1  
 PI STA. = 2001+45.47  
 $\Delta = 10^\circ 12' 37''$  (LT)  
 $D = 3^\circ 31' 08''$   
 $R = 1,628.28'$   
 $T = 145.47'$   
 $L = 290.17'$   
 $E = 6.49'$   
 $e = 5.4\%$   
 $T.R. = 33.4'$   
 $S.E. RUN = 98.0'$   
 P.C. STA. = 2000+00.00  
 P.T. STA. = 2002+90.17

PV RD	STATION	NORTHING	EASTING
PC	2000+00.00	2031677.6759	959322.8032
PI	2001+45.47	2031711.8353	959464.2044
PT	2002+90.17	2031770.5189	959597.3111
POT	2007+54.04	2031957.6506	960021.7652

**NOTES:**

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- VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- SEE SHEET 88 FOR BM INFO.

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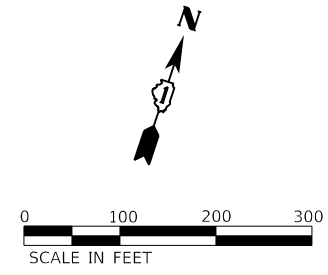
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PLOT DATE = 12/19/2023	CHECKED - SIG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLEASANT VALLEY ROAD  
 PROPOSED EB AND WB PGL ALIGNMENTS**

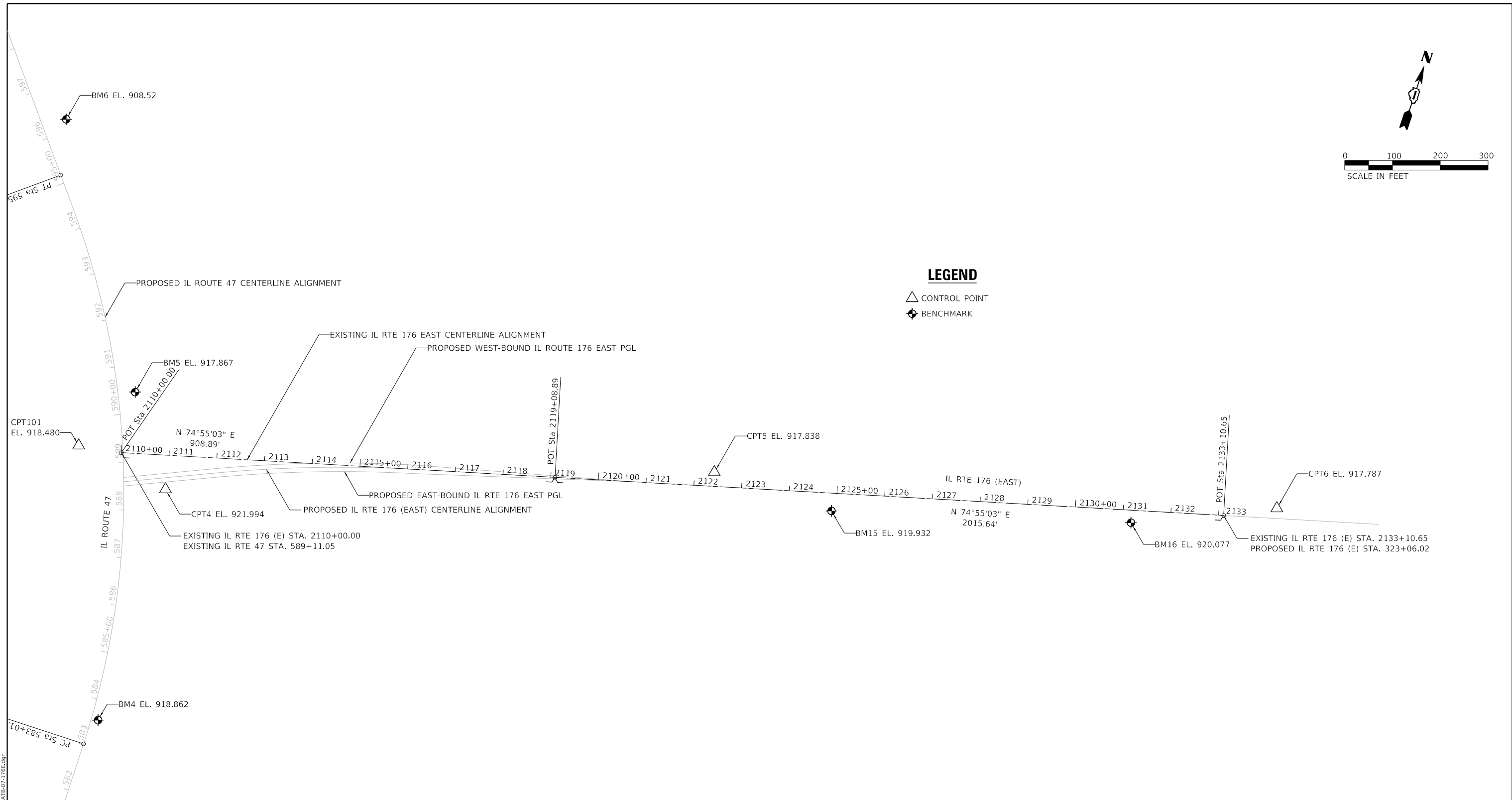
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	76
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- △ CONTROL POINT
- ⊕ BENCHMARK



EXISTING IL ROUTE 176 EAST ALIGNMENT			
IL176	STATION	NORTHING	EASTING
POT	2110+00.00	2032022.0806	959994.2913
POT	2119+08.89	2032258.5797	960871.8686
POT	2133+10.65	2032623.3289	962225.3436

**NOTES:**

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- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BM INFO.

MODEL D:\64\11  
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1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

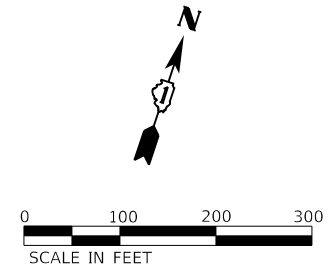
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)  
EXISTING ALIGNMENT**

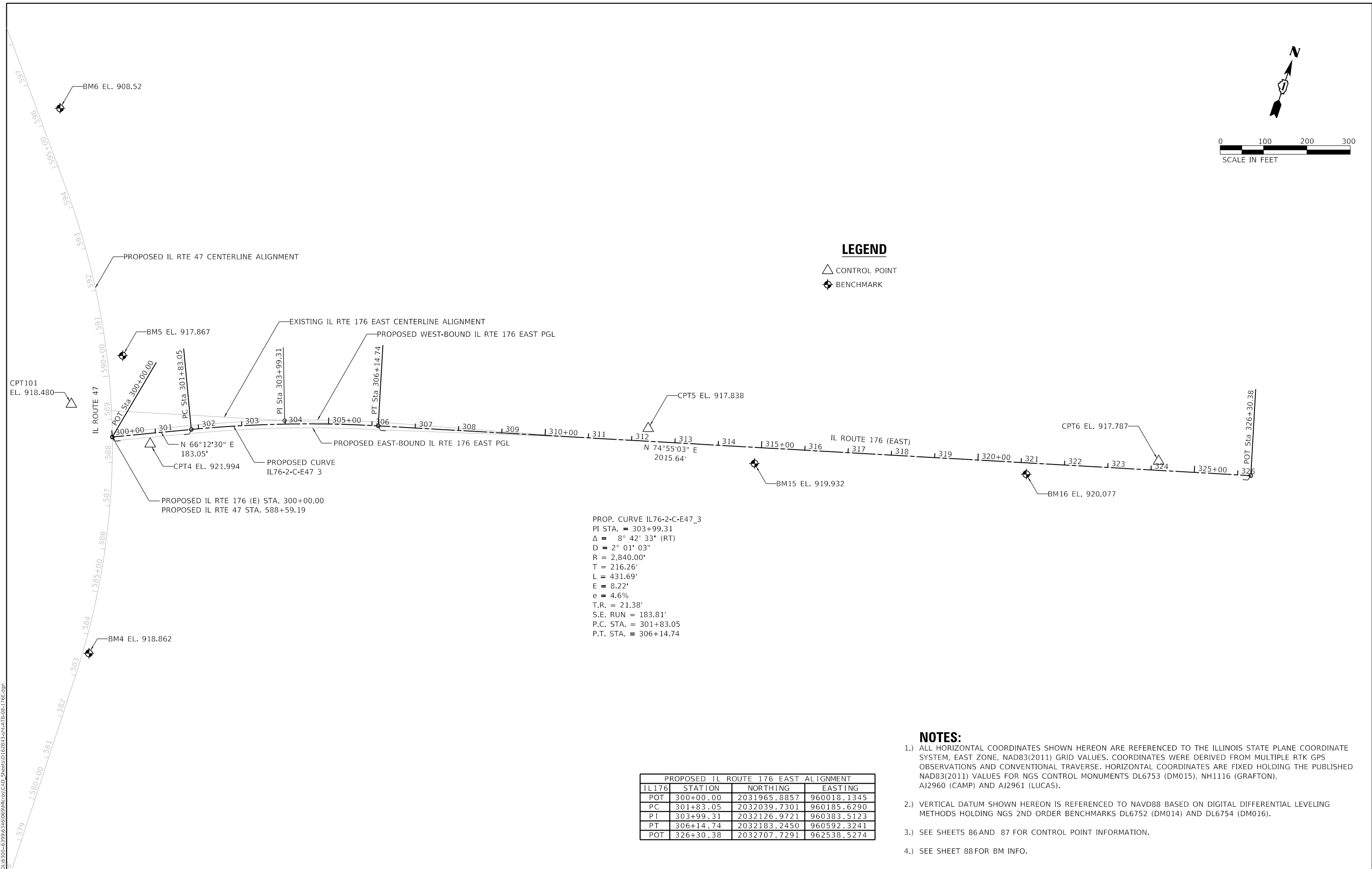
SCALE: 1"=100'    SHEET 7 OF 18 SHEETS    STA. 2110+00.00 TO STA. 2133+10.65

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	77
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- △ CONTROL POINT
- ⊕ BENCHMARK



PROP. CURVE IL76-2-C-E47\_3  
 PI STA. = 303+99.31  
 $\Delta = 8^\circ 42' 33''$  (RT)  
 $D = 2^\circ 01' 03''$   
 $R = 2,840.00'$   
 $T = 216.26'$   
 $L = 431.69'$   
 $E = 8.22'$   
 $e = 4.6\%$   
 $T.R. = 21.38'$   
 $S.E. RUN = 183.81'$   
 $P.C. STA. = 301+83.05$   
 $P.T. STA. = 306+14.74$

PROPOSED IL ROUTE 176 EAST ALIGNMENT			
IL 176	STATION	NORTHING	EASTING
POT	300+00.00	2031965.8857	960018.1345
PC	301+83.05	2032039.7301	960185.6290
PI	303+99.31	2032126.9721	960383.5123
PT	306+14.74	2032183.2450	960592.3241
POT	326+30.38	2032707.7291	962538.5274

**NOTES:**

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
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- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BM INFO.

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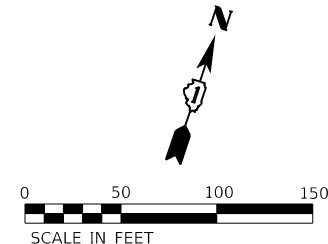
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	DRAWN - DJW	REVISED -
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)  
PROPOSED ALIGNMENT**

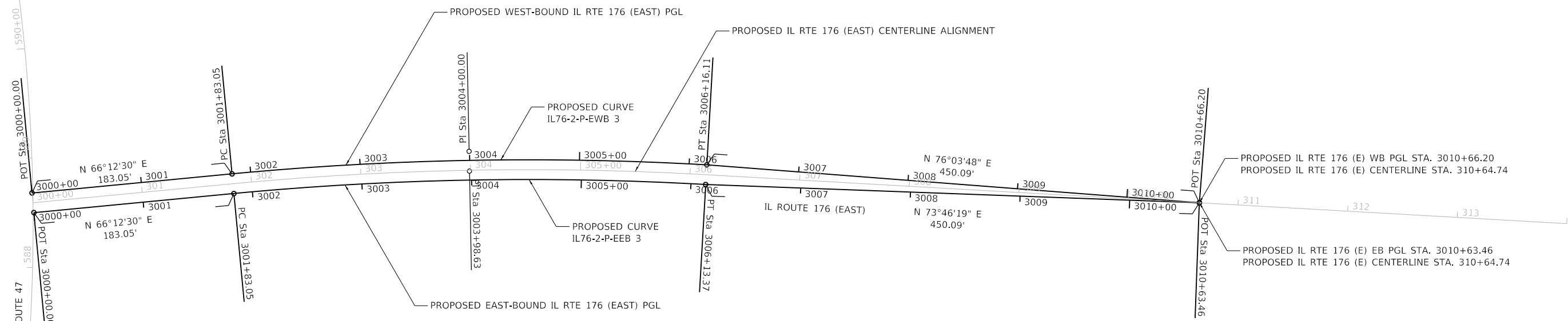
SCALE: 1"=50'    SHEET 8 OF 18 SHEETS    STA. 300+00.00 TO STA. 326+30.38

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	78
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



PROP. CURVE IL76-2-P-EWB\_3  
 PI STA. = 3004+00.00  
 $\Delta = 8^\circ 42' 33''$  (RT)  
 $D = 2^\circ 00' 40''$   
 $R = 2,849.00'$   
 $T = 216.95'$   
 $L = 433.06'$   
 $E = 8.25'$   
 $e = 4.6\%$   
 $T.R. = 79.9'$   
 $S.E. RUN = 183.8'$   
 $P.C. STA. = 3001+83.05$   
 $P.T. STA. = 3006+16.11$

PROPOSED WEST-BOUND PGL - IL ROUTE 176 EAST			
IL176	STATION	NORTHING	EASTING
POT	3000+00.00	2031974.1209	960014.5038
PC	3001+83.05	2032047.9652	960181.9983
PI	3004+00.00	2032135.4838	960380.5087
PT	3006+16.11	2032191.9350	960589.9823
POT	3010+66.20	2032300.3385	961026.8228



PROP. CURVE IL76-2-P-EEB\_3  
 PI STA. = 3003+98.63  
 $\Delta = 8^\circ 42' 33''$  (RT)  
 $D = 2^\circ 01' 26''$   
 $R = 2,831.00'$   
 $T = 215.58'$   
 $L = 430.32'$   
 $E = 8.20'$   
 $e = NC$   
 $T.R. = 0'$   
 $S.E. RUN = 0'$   
 $P.C. STA. = 3001+83.05$   
 $P.T. STA. = 3006+13.37$

PROPOSED IL RTE 176 (E) WB PGL STA. 3010+66.20  
 PROPOSED IL RTE 176 (E) CENTERLINE STA. 310+64.74  
 PROPOSED IL RTE 176 (E) EB PGL STA. 3010+63.46  
 PROPOSED IL RTE 176 (E) CENTERLINE STA. 310+64.74

PROPOSED EAST-BOUND PGL - IL ROUTE 176 EAST			
IL176	STATION	NORTHING	EASTING
POT	3000+00.00	2031957.6506	960021.7652
PC	3001+83.05	2032031.4949	960189.2597
PI	3003+98.63	2032118.4605	960386.5159
PT	3006+13.37	2032174.5550	960594.6660
POT	3010+63.46	2032300.3385	961026.8228

**NOTES:**

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BM INFO.

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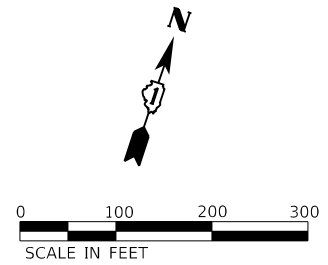


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PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 176 (EAST) PROPOSED EB &WB PGL ALIGNMENT	
SCALE: 1"=50'	SHEET 9 OF 18 SHEETS STA. 3000+00.00 TO STA. 3010+66.20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	79
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



EXISTING IL ROUTE 176 WEST ALIGNMENT			
IL 176	STATION	NORTHING	EASTING
POT	405+00.00	2035553.0490	954447.6229
PC	406+80.43	2035553.5710	954628.0559
PI	406+99.82	2035553.6270	954647.4459
PT	407+19.21	2035553.7458	954666.8356
POT	434+09.96	2035570.2255	957357.5360

EXIST. CURVE IL76-2-C-WEX\_3  
 PI STA. = 406+99.82  
 $\Delta = 0^\circ 11' 07''$  (LT)  
 $D = 0^\circ 28' 39''$   
 $R = 12,000.00'$   
 $T = 19.39'$   
 $L = 38.78'$   
 $E = 0.02'$   
 $e = \text{N.C.}$   
 $T.R. = 0'$   
 $S.E. \text{ RUN} = 0'$   
 $P.C. \text{ STA.} = 406+80.43$   
 $P.T. \text{ STA.} = 407+19.21$

**LEGEND**

- CONTROL POINT
- BENCHMARK

**NOTES:**

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BM INFO.



USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 200,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

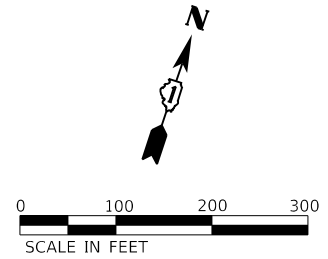
**IL ROUTE 176 (WEST)  
EXISTING ALIGNMENT**

SCALE: 1"=100' SHEET 10 OF 18 SHEETS STA. 405+00.00 TO STA. 434+09.96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	80
			CONTRACT NO. 62B43	
		ILLINOIS FED. AID PROJECT		

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PROPOSED IL ROUTE 176 WEST ALIGNMENT			
IL 176	STATION	NORTHING	EASTING
POT	397+50.00	2035551.7581	954197.6262
POT	400+00.00	2035553.0490	954447.6229
PC	403+28.16	2035554.7434	954775.7790
PI	404+14.46	2035555.1891	954862.0808
PT	405+00.76	2035556.8759	954948.3673
PC	423+60.14	2035593.2192	956807.3910
PI	424+35.14	2035594.6851	956882.3782
PT	425+10.14	2035595.2137	956957.3779
POT	429+00.05	2035597.9613	957347.2700

**LEGEND**

- △ CONTROL POINT
- ⊕ BENCHMARK

PROP. CURVE IL76-2-C-W47\_5  
 PI STA. = 404+14.46  
 $\Delta = 0^\circ 49' 27''$  (LT)  
 $D = 0^\circ 28' 39''$   
 $R = 12,000.00'$   
 $T = 86.30'$   
 $L = 172.60'$   
 $E = 0.31'$   
 $e = \text{N.C.}$   
 $T.R. = 0'$   
 $S.E. \text{ RUN} = 0'$   
 P.C. STA. = 403+28.16  
 P.T. STA. = 405+00.76

PROP. CURVE IL76-2-C-W47\_8  
 PI STA. = 424+35.14  
 $\Delta = 0^\circ 42' 58''$  (RT)  
 $D = 0^\circ 28' 39''$   
 $R = 12,000.00'$   
 $T = 75.00'$   
 $L = 150.00'$   
 $E = 0.23'$   
 $e = \text{N.C.}$   
 $T.R. = 0'$   
 $S.E. \text{ RUN} = 0'$   
 P.C. STA. = 423+60.14  
 P.T. STA. = 425+10.14

**NOTES:**

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BM INFO.



USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISED -	
PLOT SCALE = 200.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 WEST  
PROPOSED ALIGNMENT**

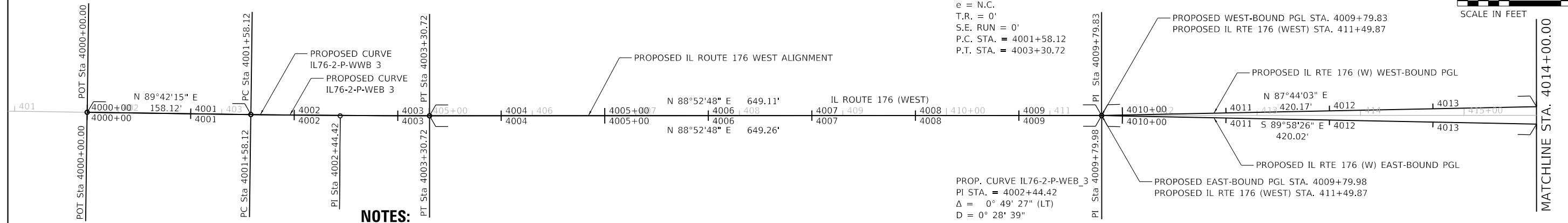
SCALE: 1"=100' SHEET 11 OF 18 SHEETS STA. 397+50.00 TO STA. 429+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	81
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

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PROPOSED WEST-BOUND PGL - IL ROUTE 176			
IL176	STATION	NORTHING	EASTING
POT	4000+00.00	2034323.5035	950906.7811
PC	4001+58.12	2034324.3200	951064.8995
PI	4002+44.42	2034324.7656	951151.2013
PT	4003+30.72	2034326.4525	951237.4878
PI	4009+79.83	2034339.1398	951886.4703

PROP. CURVE IL76-2-P-WWB\_3  
 PI STA. = 4002+44.42  
 $\Delta = 0^\circ 49' 27''$  (LT)  
 D =  $0^\circ 28' 39''$   
 R = 12,000.00'  
 T = 86.30'  
 L = 172.60'  
 E = 0.31'  
 e = N.C.  
 T.R. =  $0^\circ$   
 S.E. RUN = 0'  
 P.C. STA. = 4001+58.12  
 P.T. STA. = 4003+30.72



**NOTES:**

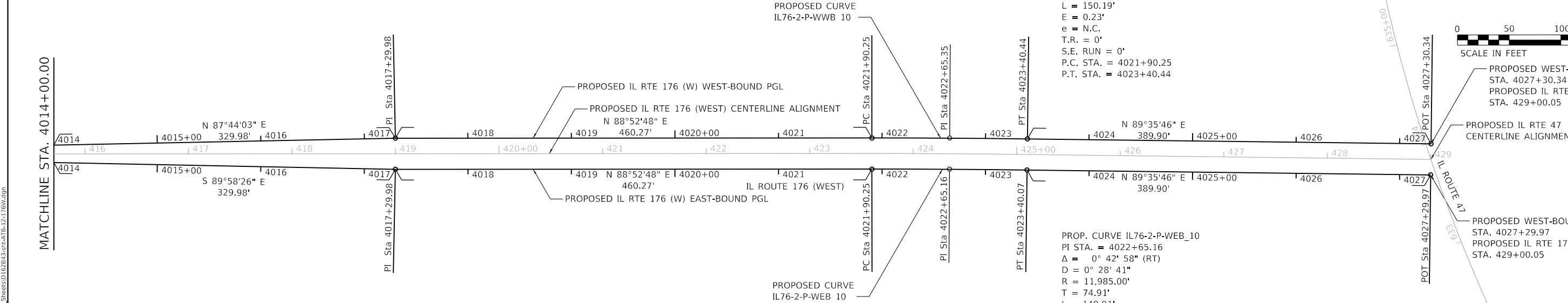
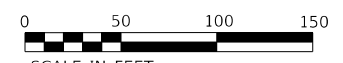
- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BM INFO.

PROPOSED EAST-BOUND PGL - IL ROUTE 176			
IL176	STATION	NORTHING	EASTING
POT	4000+00.00	2034323.5035	950906.7811
PC	4001+58.12	2034324.3200	951064.8995
PI	4002+44.42	2034324.7656	951151.2013
PT	4003+30.72	2034326.4525	951237.4878
PI	4009+79.98	2034339.1428	951886.6203

PROP. CURVE IL76-2-P-WEB\_3  
 PI STA. = 4002+44.42  
 $\Delta = 0^\circ 49' 27''$  (LT)  
 D =  $0^\circ 28' 39''$   
 R = 12,000.00'  
 T = 86.30'  
 L = 172.60'  
 E = 0.31'  
 e = N.C.  
 T.R. =  $0^\circ$   
 S.E. RUN = 0'  
 P.C. STA. = 4001+58.12  
 P.T. STA. = 4003+30.72

PROPOSED WEST-BOUND PGL - IL ROUTE 176			
IL176	STATION	NORTHING	EASTING
PI	4017+29.98	2034368.7964	952636.0339
PC	4021+90.25	2034377.7928	953096.2183
PI	4022+65.35	2034379.2606	953171.2993
PT	4023+40.44	2034379.7898	953246.3927
POT	4027+30.34	2034382.5374	953636.2848

PROP. CURVE IL76-2-P-WWB\_10  
 PI STA. = 4022+65.35  
 $\Delta = 0^\circ 42' 58''$  (RT)  
 D =  $0^\circ 28' 37''$   
 R = 12,015.00'  
 T = 75.10'  
 L = 150.19'  
 E = 0.23'  
 e = N.C.  
 T.R. =  $0^\circ$   
 S.E. RUN = 0'  
 P.C. STA. = 4021+90.25  
 P.T. STA. = 4023+40.44



PROPOSED EAST-BOUND PGL - IL ROUTE 176			
IL176	STATION	NORTHING	EASTING
PI	4017+29.98	2034338.8021	952636.6202
PC	4021+90.25	2034347.7985	953096.8047
PI	4022+65.16	2034349.2627	953171.6982
PT	4023+40.07	2034349.7906	953246.6041
POT	4027+29.97	2034352.5382	953636.4962

PROP. CURVE IL76-2-P-WEB\_10  
 PI STA. = 4022+65.16  
 $\Delta = 0^\circ 42' 58''$  (RT)  
 D =  $0^\circ 28' 41''$   
 R = 11,985.00'  
 T = 74.91'  
 L = 149.81'  
 E = 0.23'  
 e = N.C.  
 T.R. =  $0^\circ$   
 S.E. RUN = 0'  
 P.C. STA. = 4021+90.25  
 P.T. STA. = 4023+40.07

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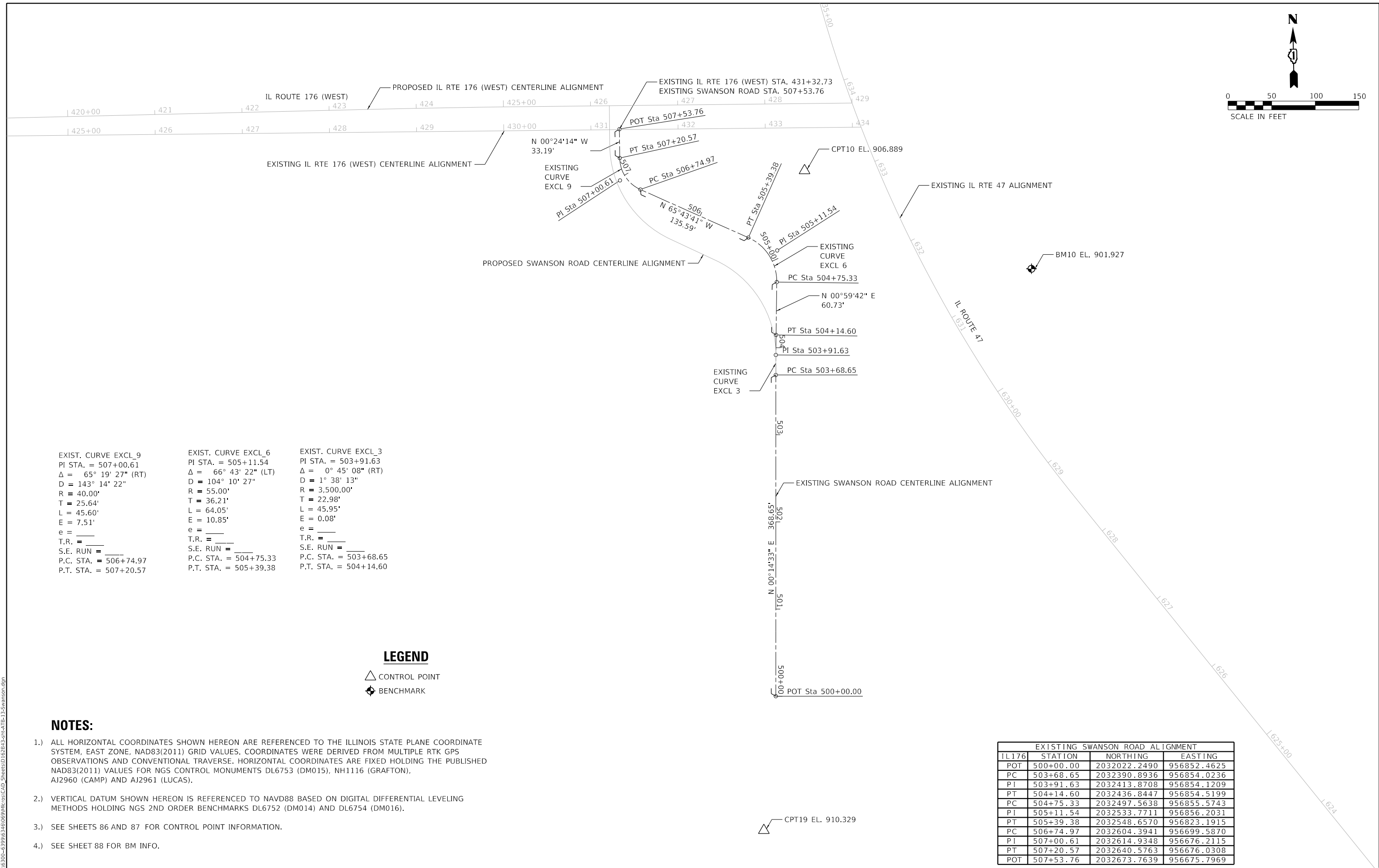
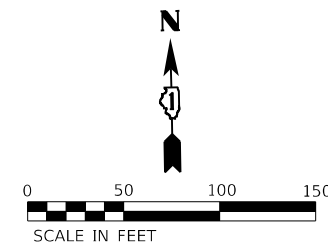
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)  
PROPOSED PGL ALIGNMENTS**

SCALE: 1"=50' SHEET 12 OF 18 SHEETS STA. 403+78.38 TO STA. 429+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	82
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE EXCL_9 PI STA. = 507+00.61 $\Delta = 65^\circ 19' 27''$ (RT) $D = 143' 14' 22''$ $R = 40.00'$ $T = 25.64'$ $L = 45.60'$ $E = 7.51'$ $e = \underline{\hspace{1cm}}$ $T.R. = \underline{\hspace{1cm}}$ $S.E. RUN = \underline{\hspace{1cm}}$ $P.C. STA. = 506+74.97$ $P.T. STA. = 507+20.57$	EXIST. CURVE EXCL_6 PI STA. = 505+11.54 $\Delta = 66^\circ 43' 22''$ (LT) $D = 104' 10' 27''$ $R = 55.00'$ $T = 36.21'$ $L = 64.05'$ $E = 10.85'$ $e = \underline{\hspace{1cm}}$ $T.R. = \underline{\hspace{1cm}}$ $S.E. RUN = \underline{\hspace{1cm}}$ $P.C. STA. = 504+75.33$ $P.T. STA. = 505+39.38$	EXIST. CURVE EXCL_3 PI STA. = 503+91.63 $\Delta = 0^\circ 45' 08''$ (RT) $D = 1^\circ 38' 13''$ $R = 3,500.00'$ $T = 22.98'$ $L = 45.95'$ $E = 0.08'$ $e = \underline{\hspace{1cm}}$ $T.R. = \underline{\hspace{1cm}}$ $S.E. RUN = \underline{\hspace{1cm}}$ $P.C. STA. = 503+68.65$ $P.T. STA. = 504+14.60$
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**LEGEND**

- CONTROL POINT
- BENCHMARK

**NOTES:**

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BM INFO.

EXISTING SWANSON ROAD ALIGNMENT			
IL176	STATION	NORTHING	EASTING
POT	500+00.00	2032022.2490	956852.4625
PC	503+68.65	2032390.8936	956854.0236
PI	503+91.63	2032413.8708	956854.1209
PT	504+14.60	2032436.8447	956854.5199
PC	504+75.33	2032497.5638	956855.5743
PI	505+11.54	2032533.7711	956856.2031
PT	505+39.38	2032548.6570	956823.1915
PC	506+74.97	2032604.3941	956699.5870
PI	507+00.61	2032614.9348	956676.2115
PT	507+20.57	2032640.5763	956676.0308
POT	507+53.76	2032673.7639	956675.7969

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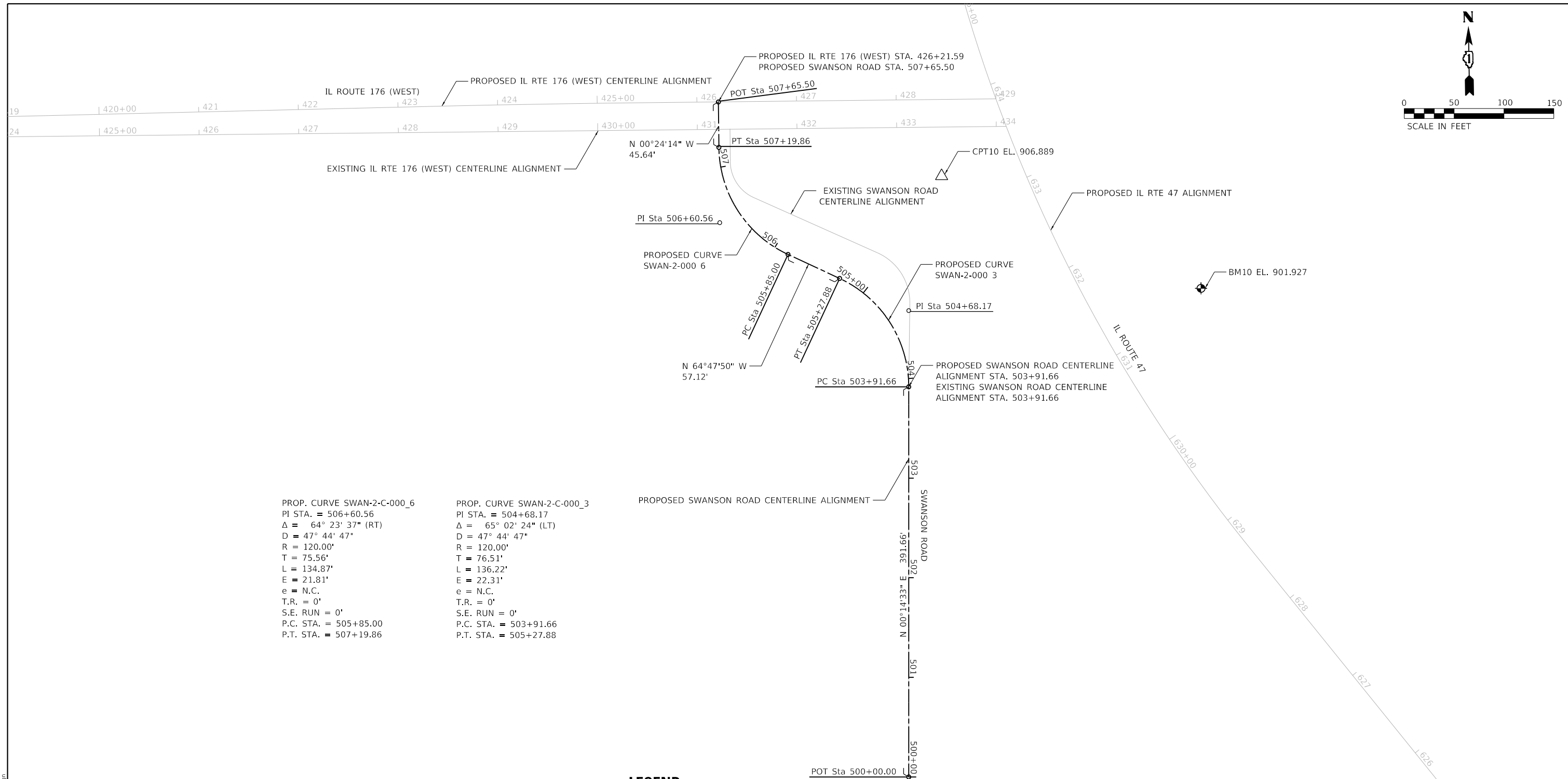
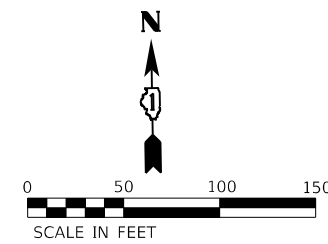
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	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SWANSON ROAD  
EXISTING ALIGNMENT**

SCALE: 1"=50' SHEET 13 OF 18 SHEETS STA. 500+00.00 TO STA. 507+53.76

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 83
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



<b>PROP. CURVE SWAN-2-C-000_6</b> PI STA. = 506+60.56 $\Delta = 64^\circ 23' 37''$ (RT) $D = 47^\circ 44' 47''$ $R = 120.00'$ $T = 75.56'$ $L = 134.87'$ $E = 21.81'$ $e = \text{N.C.}$ $T.R. = 0'$ $S.E. \text{ RUN} = 0'$ $P.C. \text{ STA.} = 505+85.00$ $P.T. \text{ STA.} = 507+19.86$	<b>PROP. CURVE SWAN-2-C-000_3</b> PI STA. = 504+68.17 $\Delta = 65^\circ 02' 24''$ (LT) $D = 47^\circ 44' 47''$ $R = 120.00'$ $T = 76.51'$ $L = 136.22'$ $E = 22.31'$ $e = \text{N.C.}$ $T.R. = 0'$ $S.E. \text{ RUN} = 0'$ $P.C. \text{ STA.} = 503+91.66$ $P.T. \text{ STA.} = 505+27.88$
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**LEGEND**

- CONTROL POINT
- BENCHMARK

**NOTES:**

- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
- 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
- 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
- 4.) SEE SHEET 88 FOR BM INFO.

PROPOSED SWANSON ROAD ALIGNMENT			
IL176	STATION	NORTHING	EASTING
POT	500+00.00	2034917.5643	957256.9642
PC	503+91.66	2035309.2226	957258.6227
PI	504+68.17	2035385.7292	957258.9467
PT	505+27.88	2035418.3077	957189.7224
PC	505+85.00	2035442.6289	957138.0434
PI	506+60.56	2035474.8033	957069.6774
PT	507+19.86	2035550.3601	957069.1450
POT	507+65.50	2035595.9990	957068.8233

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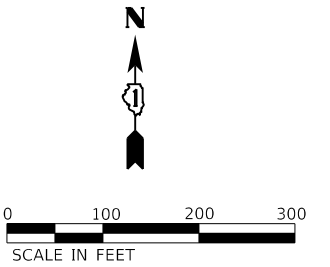
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

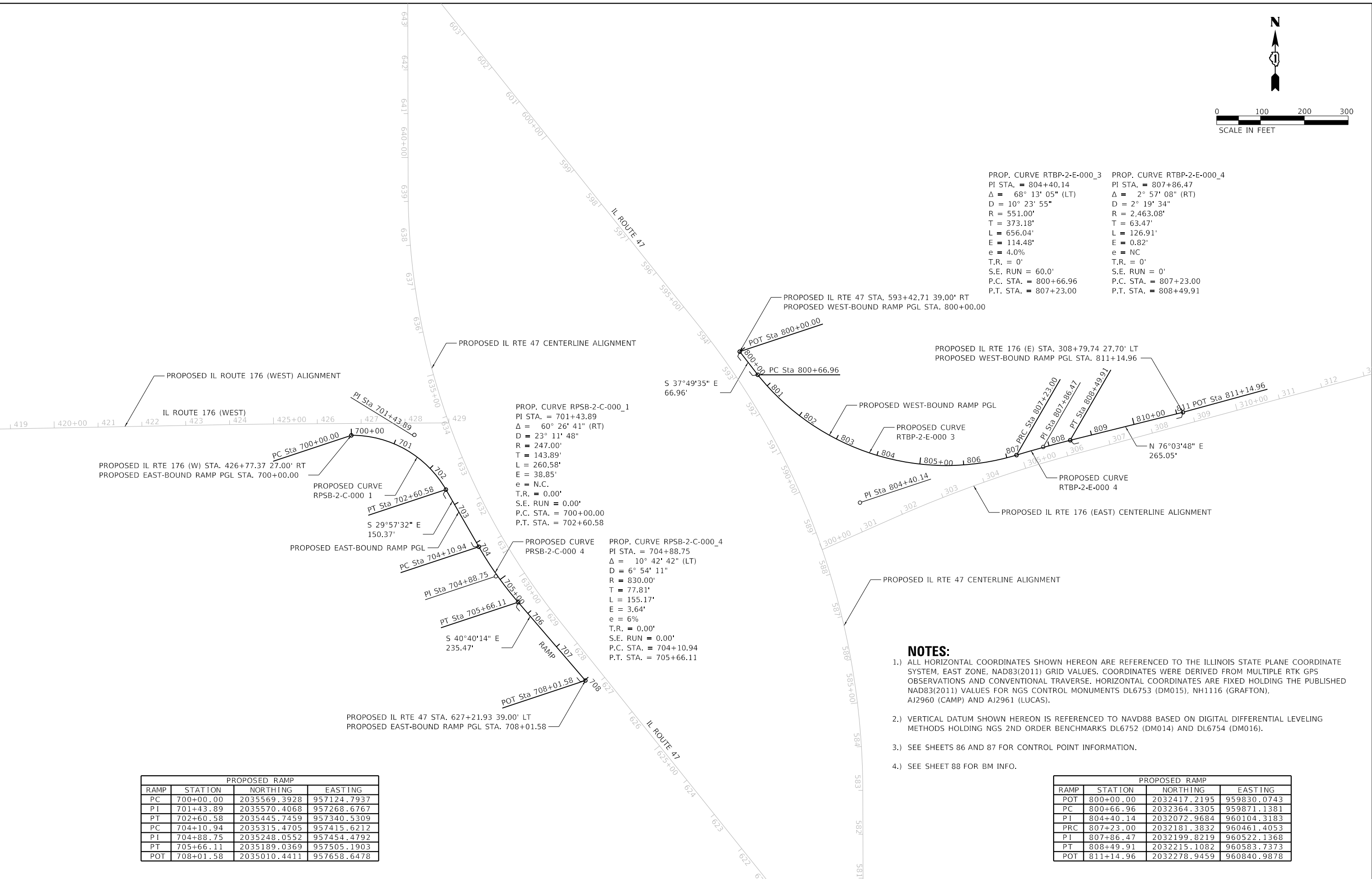
**SWANSON ROAD  
PROPOSED ALIGNMENT**

SCALE: 1"=50' SHEET 14 OF 18 SHEETS STA. 500+00.00 TO STA. 507+65.50

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 84
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B43	



PROP. CURVE RTBP-2-E-000_3 PI STA. = 804+40.14 $\Delta = 68^{\circ} 13' 05''$ (LT) D = 10° 23' 55" R = 551.00' T = 373.18' L = 656.04' E = 114.48' e = 4.0% T.R. = 0' S.E. RUN = 60.0' P.C. STA. = 800+66.96 P.T. STA. = 807+23.00	PROP. CURVE RTBP-2-E-000_4 PI STA. = 807+86.47 $\Delta = 2^{\circ} 57' 08''$ (RT) D = 2° 19' 34" R = 2,463.08' T = 63.47' L = 126.91' E = 0.82' e = NC T.R. = 0' S.E. RUN = 0' P.C. STA. = 807+23.00 P.T. STA. = 808+49.91
--	--



PROP. CURVE RPSB-2-C-000\_1  
PI STA. = 701+43.89  
 $\Delta = 60^{\circ} 26' 41''$  (RT)  
D = 23° 11' 48"  
R = 247.00'  
T = 143.89'  
L = 260.58'  
E = 38.85'  
e = N.C.  
T.R. = 0.00'  
S.E. RUN = 0.00'  
P.C. STA. = 700+00.00  
P.T. STA. = 702+60.58

PROP. CURVE PRSB-2-C-000\_4  
PI STA. = 704+88.75  
 $\Delta = 10^{\circ} 42' 42''$  (LT)  
D = 6° 54' 11"  
R = 830.00'  
T = 77.81'  
L = 155.17'  
E = 3.64'  
e = 6%  
T.R. = 0.00'  
S.E. RUN = 0.00'  
P.C. STA. = 704+10.94  
P.T. STA. = 705+66.11

- NOTES:**
- 1.) ALL HORIZONTAL COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83(2011) GRID VALUES. COORDINATES WERE DERIVED FROM MULTIPLE RTK GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE. HORIZONTAL COORDINATES ARE FIXED HOLDING THE PUBLISHED NAD83(2011) VALUES FOR NGS CONTROL MONUMENTS DL6753 (DM015), NH1116 (GRAFTON), AJ2960 (CAMP) AND AJ2961 (LUCAS).
  - 2.) VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 BASED ON DIGITAL DIFFERENTIAL LEVELING METHODS HOLDING NGS 2ND ORDER BENCHMARKS DL6752 (DM014) AND DL6754 (DM016).
  - 3.) SEE SHEETS 86 AND 87 FOR CONTROL POINT INFORMATION.
  - 4.) SEE SHEET 88 FOR BM INFO.

PROPOSED RAMP			
RAMP	STATION	NORTHING	EASTING
PC	700+00.00	2035569.3928	957124.7937
PI	701+43.89	2035570.4068	957268.6767
PT	702+60.58	2035445.7459	957340.5309
PC	704+10.94	2035315.4705	957415.6212
PI	704+88.75	2035248.0552	957454.4792
PT	705+66.11	2035189.0369	957505.1903
POT	708+01.58	2035010.4411	957658.6478

PROPOSED RAMP			
RAMP	STATION	NORTHING	EASTING
POT	800+00.00	2032417.2195	959830.0743
PC	800+66.96	2032364.3305	959871.1381
PI	804+40.14	2032072.9684	960104.3183
PRC	807+23.00	2032181.3832	960461.4053
PI	807+86.47	2032199.8219	960522.1368
PT	808+49.91	2032215.1082	960583.7373
POT	811+14.96	2032278.9459	960840.9878



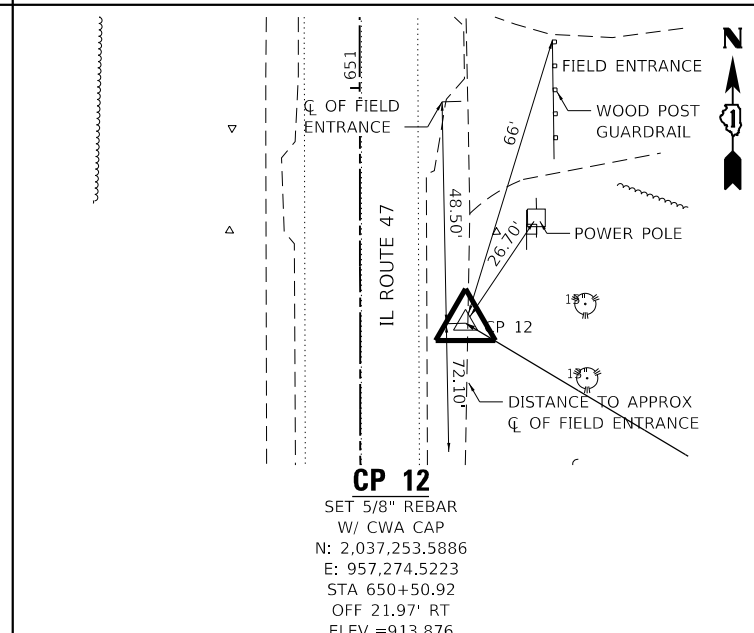
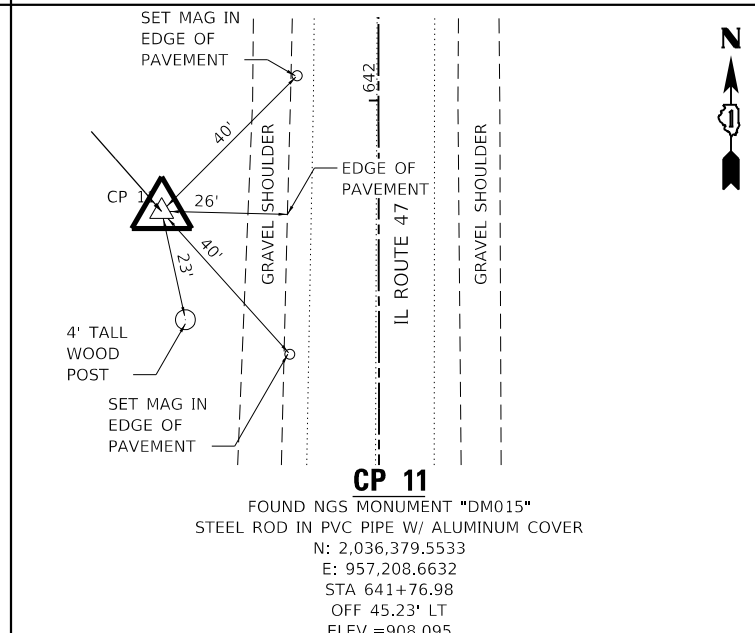
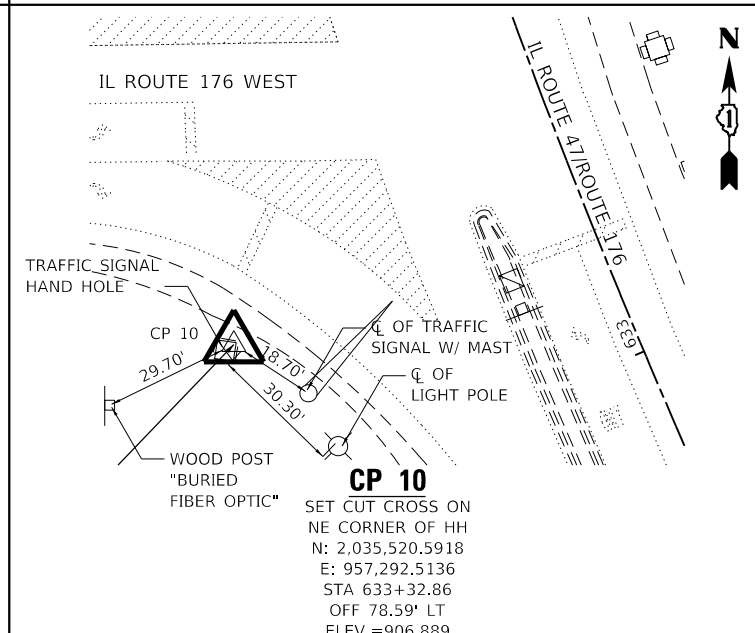
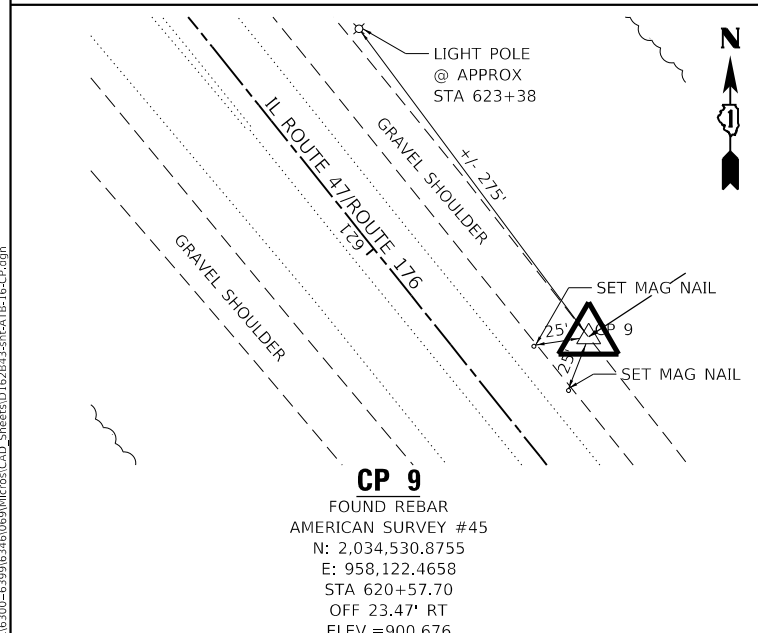
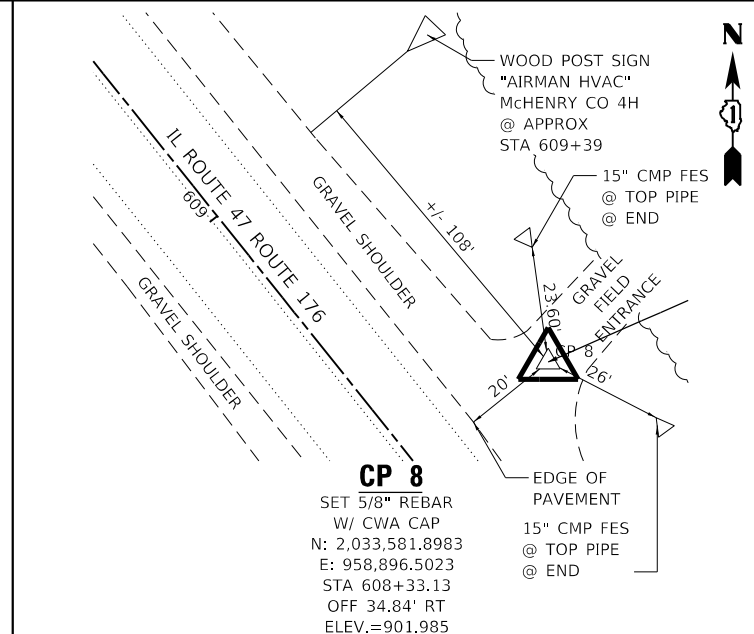
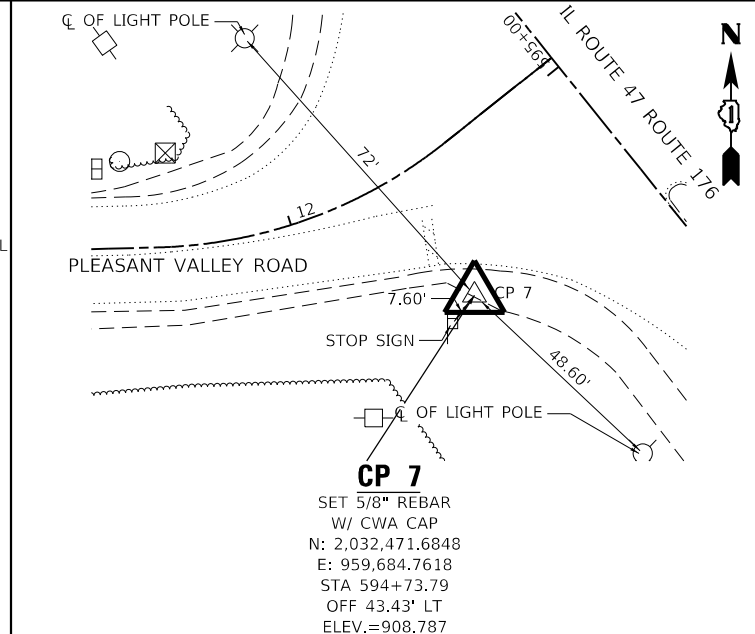
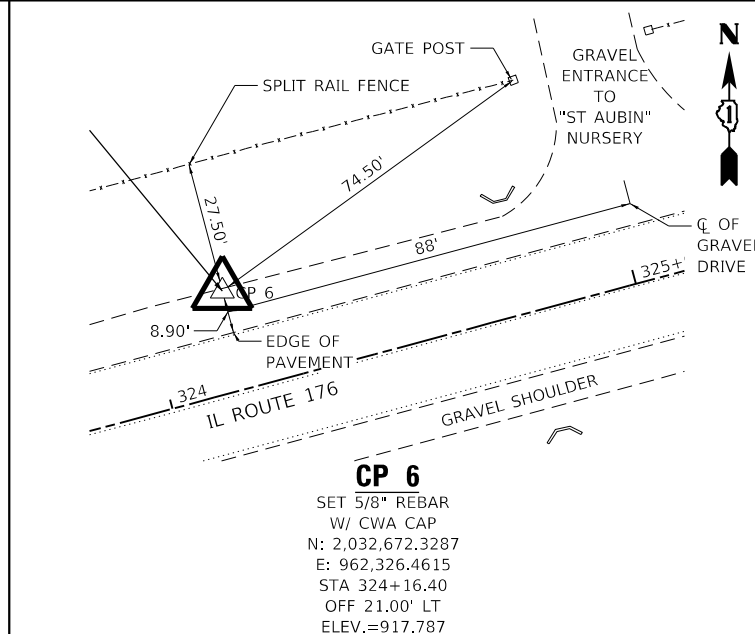
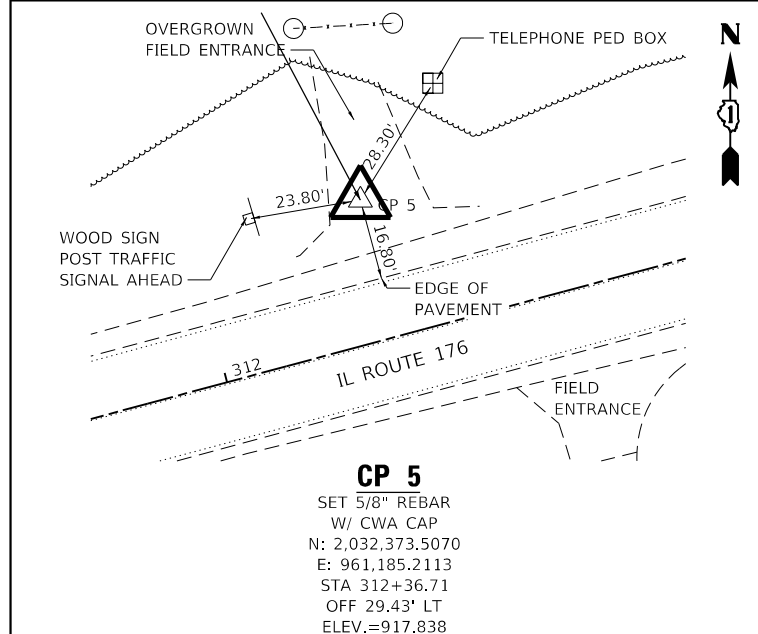
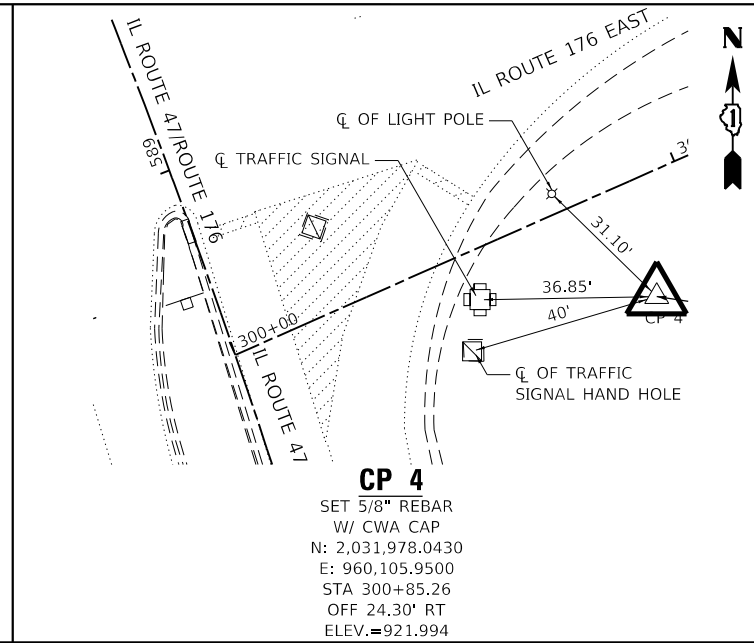
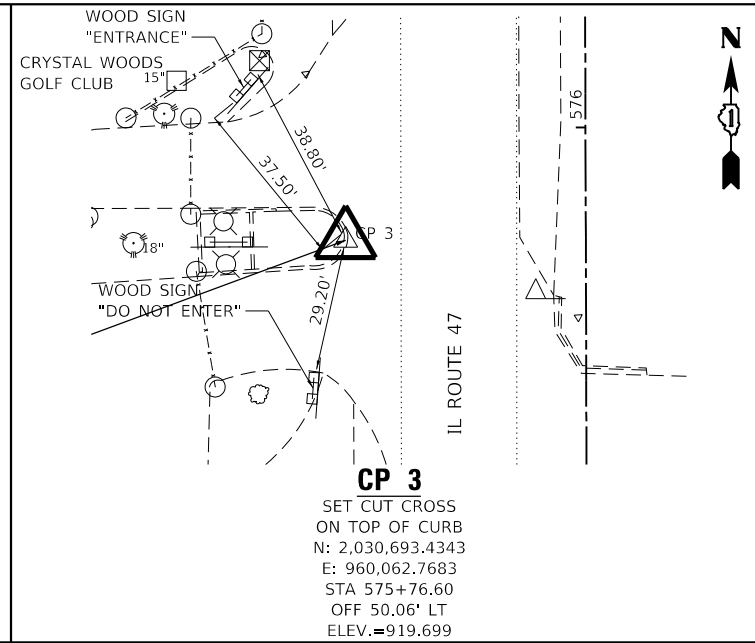
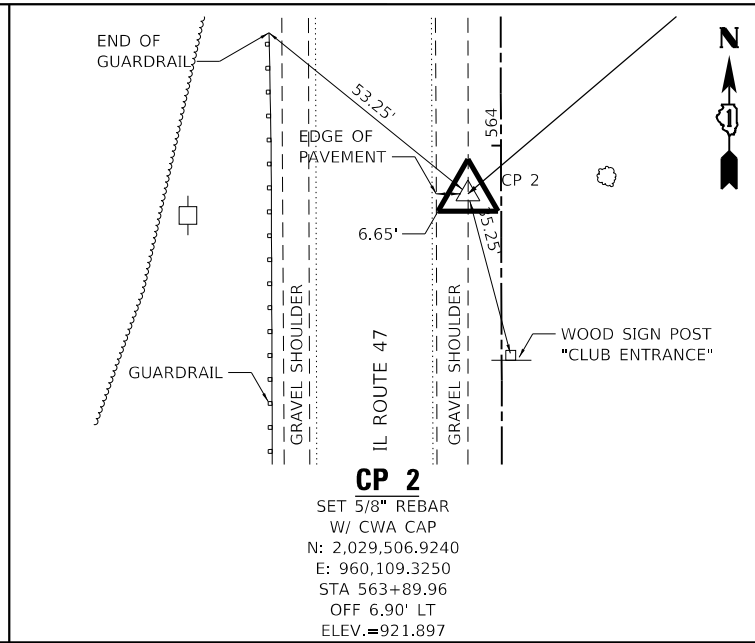
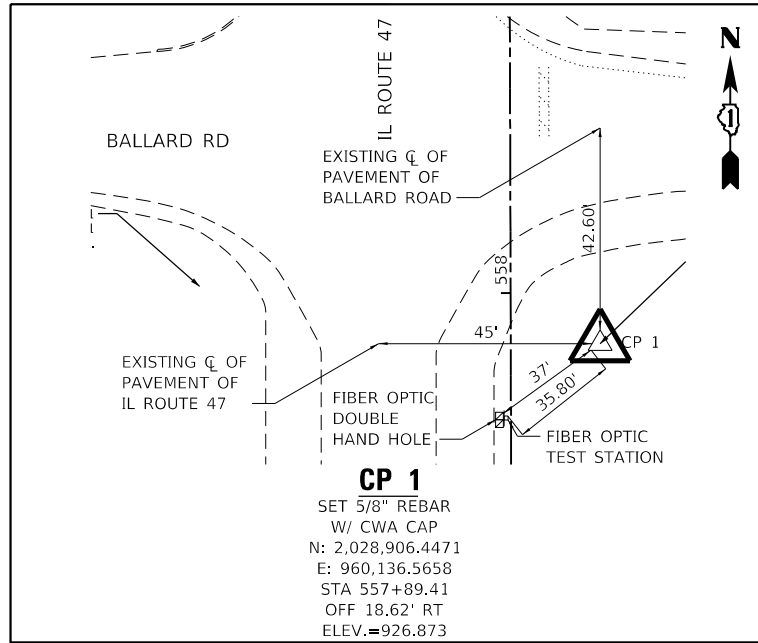
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PLOT DATE = 12/19/2023	CHECKED - SJG	REVISD -
	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAMPS  
PROPOSED ALIGNMENTS**

SCALE: 1"=100'    SHEET 15 OF 18 SHEETS    STA. N/A    TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	85
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



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1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD  
 DESIGNED - MAG  
 DRAWN - DJW  
 CHECKED - SIG  
 DATE - 12/15/2023

REVISED -  
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 REVISED -  
 REVISED -

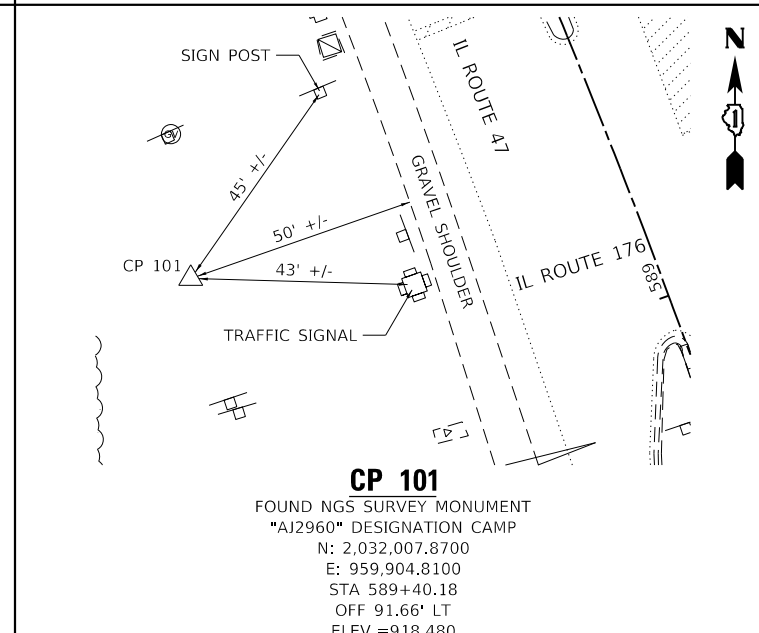
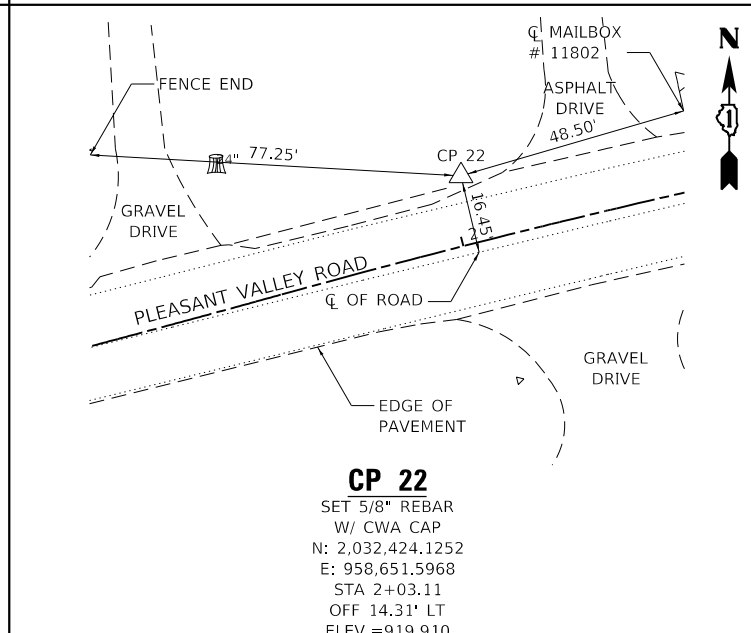
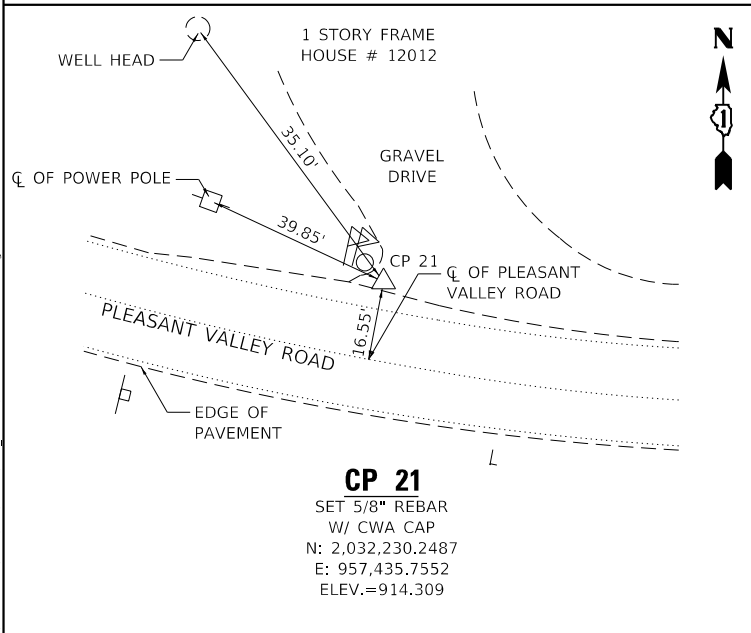
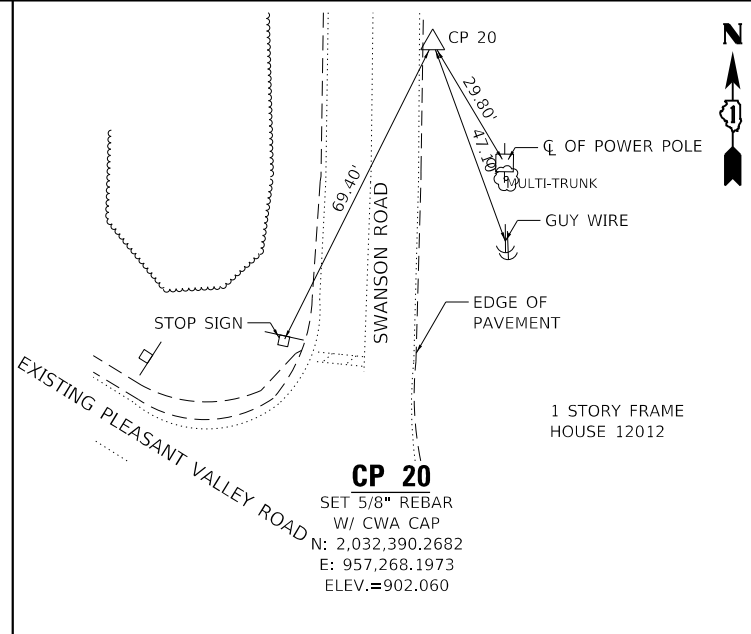
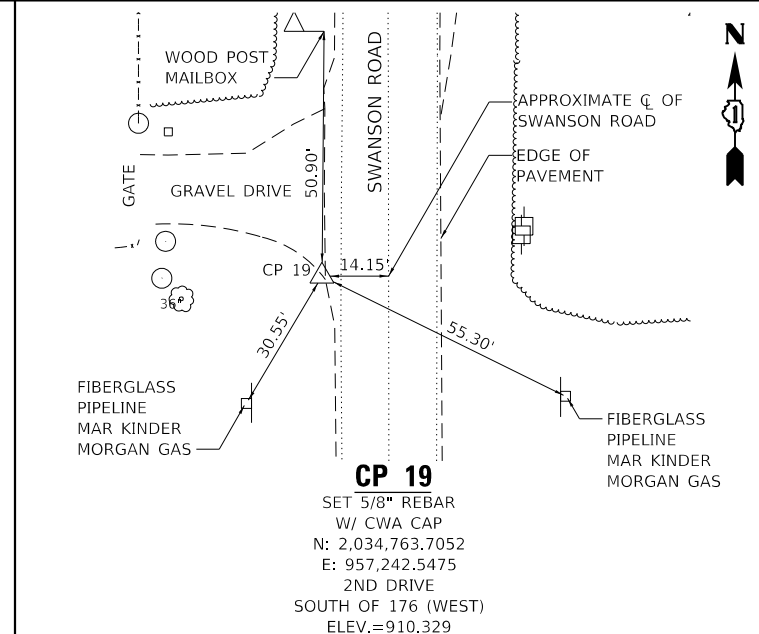
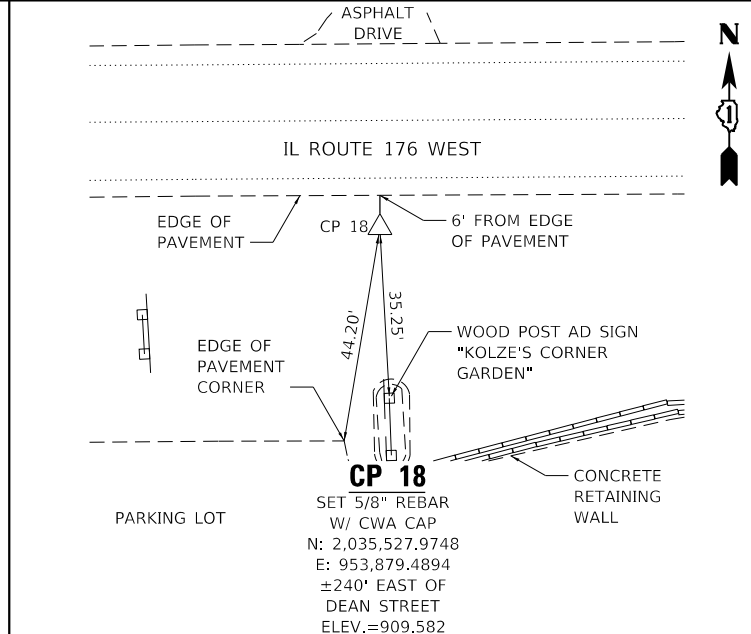
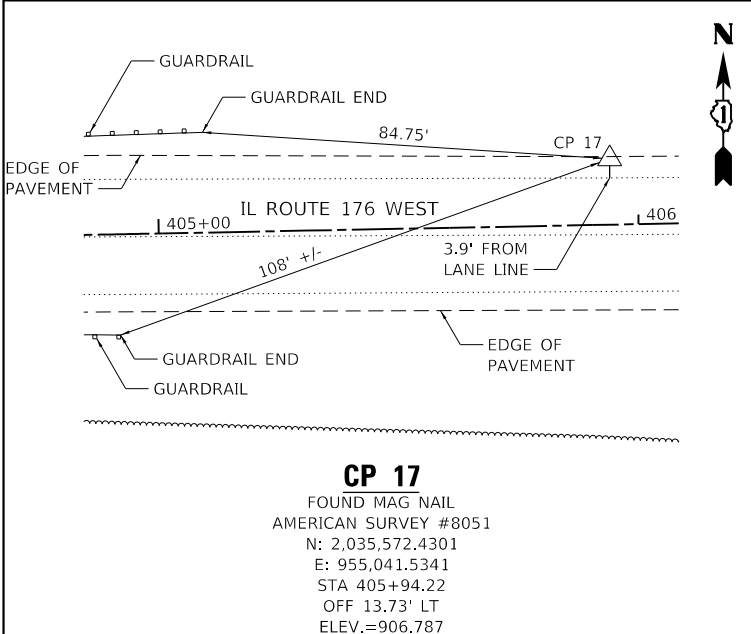
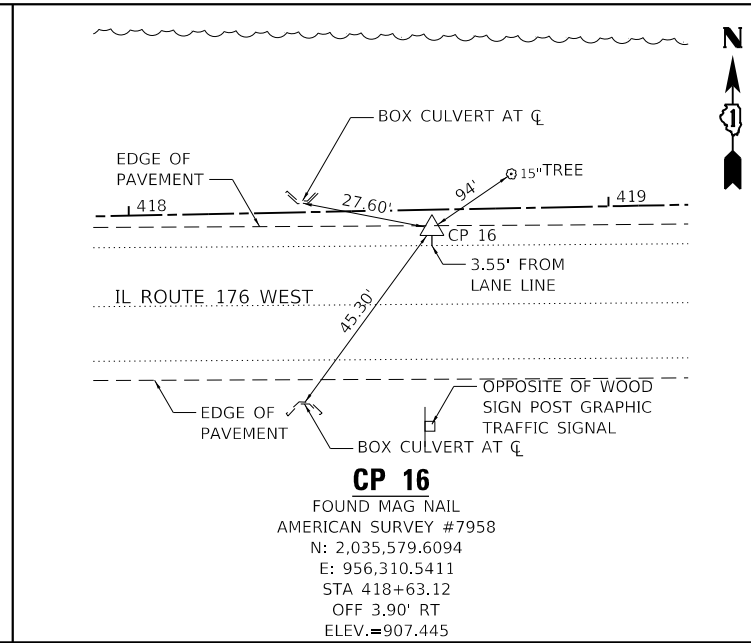
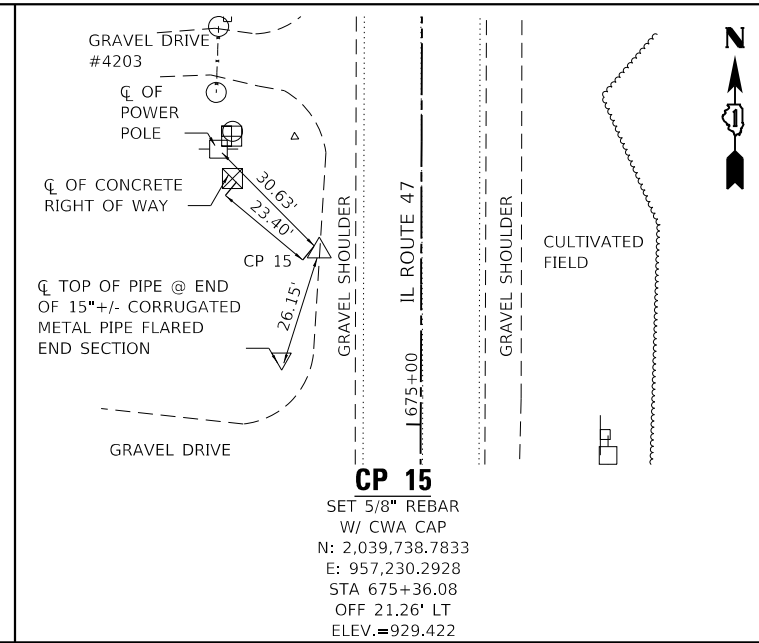
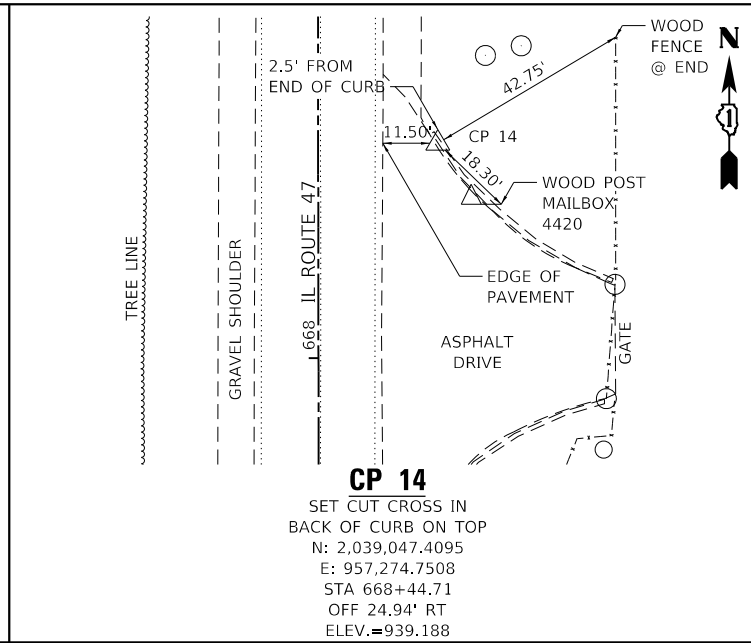
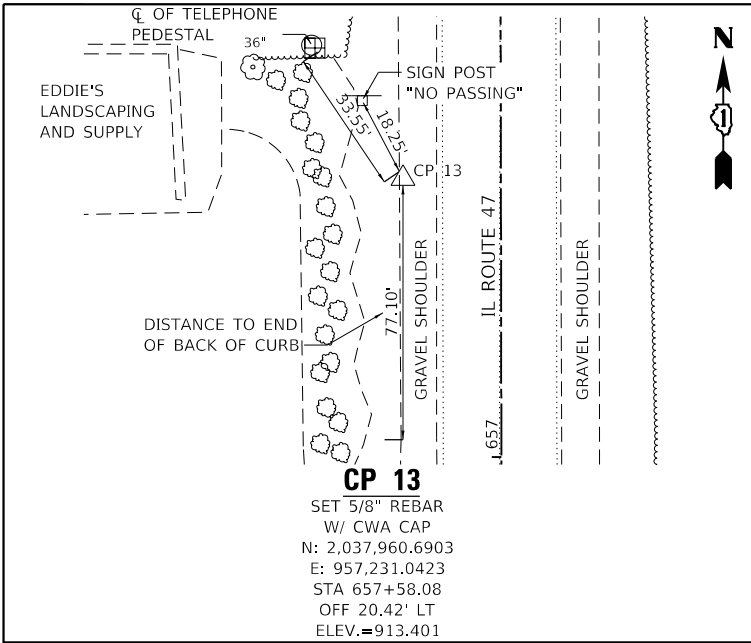
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONTROL POINTS

SCALE: NO SCALE SHEET 16 OF 18 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	86

CONTRACT NO. 62B43  
 ILLINOIS FED. AID PROJECT



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1170 SOUTH HOUBOLT ROAD  
 JULIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD  
 DESIGNED - MAG  
 DRAWN - DJW  
 CHECKED - SJG  
 DATE - 12/15/2023

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONTROL POINTS  
 SCALE: NO SCALE SHEET 17 OF 18 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	87
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

**BENCHMARKS:**

NGS MONUMENT DL6752 (DM014)  
 FOUND NGS DISC ON NORTHEASTERLY ABUTMENT OF RT-47 BRIDGE OVER KISHWAUKEE RIVER (FB582/PG18)  
 ELEVATION 862.41

BENCHMARK 1  
 FOUND RAIL ROAD SPIKE IN EASTERLY FACE OF POWER POLE WITH LIGHT ±.30' ABOVE GRADE IN THE  
 SOUTHWEST QUADRANT OF THE INTERSECTION OF RT-47 AND BALLARD RD (FB582/PG18)  
 ELEVATION 923.942

BENCHMARK 2  
 SET CUT BOX ON CENTERLINE OF CONCRETE CULVERT ON THE EAST SIDE RT-47 APPROXIMATELY ±70'  
 SOUTH OF CP-2 AND ±475' NORTH OF THE INTERSECTION OF RT-47 AND BALLARD RD (FB582/PG19)  
 ELEVATION 919.660

BENCHMARK 3  
 SET CUT CROSS IN TOP OF 30" RCP AT FLARED END SECTION 2.5' WEST OF THE END OF PIPE ON EAST SIDE  
 OF RT-47 AT SOUTH END OF PARKING LOT EXTENDED OF CRYSTAL WOODS GOLF CLUB (FB582/PG19)  
 ELEVATION 918.639

BENCHMARK 4  
 SET CUT BOX ON THE WESTERLY SIDE OF THE CONCRETE BASE OF A STEEL LIGHT POLE APPROXIMATELY  
 ±175' NORTH OF THE CENTERLINE OF THE ENTRANCE TO CRAIG WOODS GOLF CLUB ON THE EAST SIDE OF  
 RT-47 (FB582/PG19)  
 ELEVATION 918.862

BENCHMARK 5  
 SET CUT CROSS IN NORTHEASTERLY CORNER OF TRAFFIC SIGNAL HANDHOLE IN THE NORTHEASTERLY  
 QUADRANT OF THE SOUTHERLY INTERSECTION OF RT-47 AND RT-176 (FB582/PG19)  
 ELEVATION 917.867

BENCHMARK 6  
 SET CUT BOX IN WESTERLY SIDE OF CONCRETE BASE OF STEEL LIGHT POLE AT THE NORTHWEST QUADRANT  
 OF THE INTERSECTION OF RT-47 AND PLEASANT VALLEY RD (FB582/PG20)  
 ELEVATION 908.521

BENCHMARK 7  
 SET CUT BOX IN THE NORTHWESTERLY CORNER OF CONCRETE DRAINAGE STRUCTURE WITH METAL GRATE  
 ON EAST SIDE OF RT-47 APPROXIMATELY ±200 NORTH OF CP-8 AND ±0.30 MILES NORTH OF THE  
 INTERSECTION OF RT47 AND PLEASANT VALLEY RD (FB582/PG20)  
 ELEVATION 897.583

BENCHMARK 8  
 SET CUT BOX ON WEST SIDE OF CONCRETE BASE FOR STEEL LIGHT POLE ON EAST SIDE OF RT-47 ±510'  
 NORTH OF CP-9 LIGHT POLE IS 3RD POLE SOUTH OF THE NORTHERLY INTERSECTION OF RT-47 AND  
 RT-176 (FB582/PG20)  
 ELEVATION 900.871

BENCHMARK 9  
 FOUND BOLT ON TOP SOUTHWESTERLY CORNER OF CONCRETE BOX CULVERT ON EAST SIDE OF RT-47 ±500'  
 SOUTH OF THE NORTHERLY INTERSECTION OF RT-47 AND RT-176 (FB582/PG20)  
 ELEVATION 901.775

BENCHMARK 10  
 SET CUT BOX ON CONCRETE BASE OF NORTHEASTERLY LEG OF COM ED TRANSMISSION LINE TOWER IN THE  
 SOUTHEASTERLY QUADRANT OF THE NORTHERLY INTERSECTION OF RT-47 AND RT-176 (FB582/PG20)  
 ELEVATION 901.927

BENCHMARK 11  
 SET CUT BOX ON EAST SIDE CONCRETE BASE OF 3RD STEEL LIGHT POLE NORTH OF THE INTERSECTION OF  
 RT-47 AND RT-176 ON THE WEST SIDE OF RT-47 (FB582/PG21)  
 ELEVATION 908.561

BENCHMARK 12  
 SET NAIL AT CENTERLINE OF NORTHERLY END OF 15" CMP FLARED END SECTION AT NORTH SIDE OF  
 DRIVEWAY ENTRANCE TO 4617 IL-47 (FB528/PG21)  
 ELEVATION 912.366

BENCHMARK 13  
 SET CUT BOX ON TOP AT CENTERLINE OF CONCRETE BOX CULVERT ON EAST SIDE OF RT-47 ±400' NORTH  
 OF CP14 AND ±250 NORTH OF GRAVEL DRIVEWAY ENTRANCE TO 4400 IL-47 (FB582/PG22)  
 ELEVATION 932.783

BENCHMARK 14  
 SET CUT BOX ON TOP OF WESTERLY BOLT IN BASE OF 3RD STEEL POWER POLE SOUTH OF LUCAS RD ON  
 EAST SIDE OF RT-46 ±560' SOUTH OF THE INTERSECTION OF RT-47 AND LUCAS RD (FB582/PG22)  
 ELEVATION 927.940

NGS MONUMENT DL6754 (DM016)  
 FOUND NGS MARKER 0.05 MILES EAST OF THE INTERSECTION OF RT-47 AND LUCAS RD ±16' NORTH OF THE  
 EDGE OF PAVEMENT OF LUCAS RD (FB582/PG22)  
 ELEVATION 932.392

BENCHMARK 15  
 SET CUT BOX ON TOP AT CENTERLINE AT END OF 18" CMP WITH FLARED END SECTION ±100' EAST OF A  
 CONCRETE AND STONE SIGN "CRYSTAL LAKE" AND ±35' WEST OF CENTERLINE OF AN ASPHALT DRIVEWAY  
 ON SOUTH SIDE OF SOUTHERLY RT-176 APPROXIMATELY 0.30 MILES EAST OF RT-47 (FB582/PG23)  
 ELEVATION 919.932

BENCHMARK 16  
 SET CUT CROSS ON NORTHERLY END OF CONCRETE HEADWALL OF 15" RCP SIDE SOUTH OF SOUTHERLY RT-176  
 AND EAST OF GRAVEL DRIVEWAY TO 11117 IL-176 APPROXIMATELY 0.40 MILES EAST OF RT-47 (FB582/PG23)  
 ELEVATION 920.077

BENCHMARK 17  
 SET CUT CROSS AT CENTERLINE OF CONCRETE BOX CULVERT AT SOUTH SIDE OF SOUTHERLY RT-176 ±40' EAST  
 OF EASTERLY GRAVEL DRIVE TO "ST. AUBIN NURSERY" APPROXIMATELY 0.50 MILES EAST OF RT-47 (FB582/PG23)  
 ELEVATION 916.235

BENCHMARK 18  
 SET RAILROAD SPIKE 1' ABOVE GRADE IN NORTHERLY FACE OF 5TH POWER POLE WEST OF RT-47 ON THE SOUTH  
 SIDE OF PLEASANT VALLEY RD (FB582/PG24)  
 ELEVATION 920.087

BENCHMARK 19  
 FOUND NAIL IN 2ND POLE WEST OF CP-22 ON SOUTH SIDE OF PLEASANT VALLEY ROAD ±300' EAST OF GRAVEL  
 DRIVEWAY TO 11914 PLEASANT VALLEY ROAD (FB582/PG24)  
 ELEVATION 917.419

BENCHMARK 20  
 SET RAILROAD SPIKE 1' ABOVE GRADE IN NORTHERLY FACE OF POWER POLE IN THE SOUTHEASTERLY QUADRANT  
 OF THE INTERSECTION OF PLEASANT VALLEY RD AND SWANSON RD (FB582/PG25)  
 ELEVATION 906.659

BENCHMARK 21  
 SET CUT BOX IN NORTHERLY FACE OF CONCRETE BASE OF ELECTRIC TOWER ON SOUTH SIDE OF RT-176  
 APPROXIMATELY 0.40 MILES WEST OF RT-47 ±75' SOUTH OF ELECTRIC TRANSFER FACILITY (FB582/PG26)  
 ELEVATION 903.194

BENCHMARK 22  
 SET CUT BOX IN CENTER TOP OF WING WALL 7' NORTH OF RT-176 EDGE OF PAVEMENT ±400' EAST OF THE  
 INTERSECTION OF RT-176 AND DEAN ST (FB582/PG26)  
 ELEVATION 908.337

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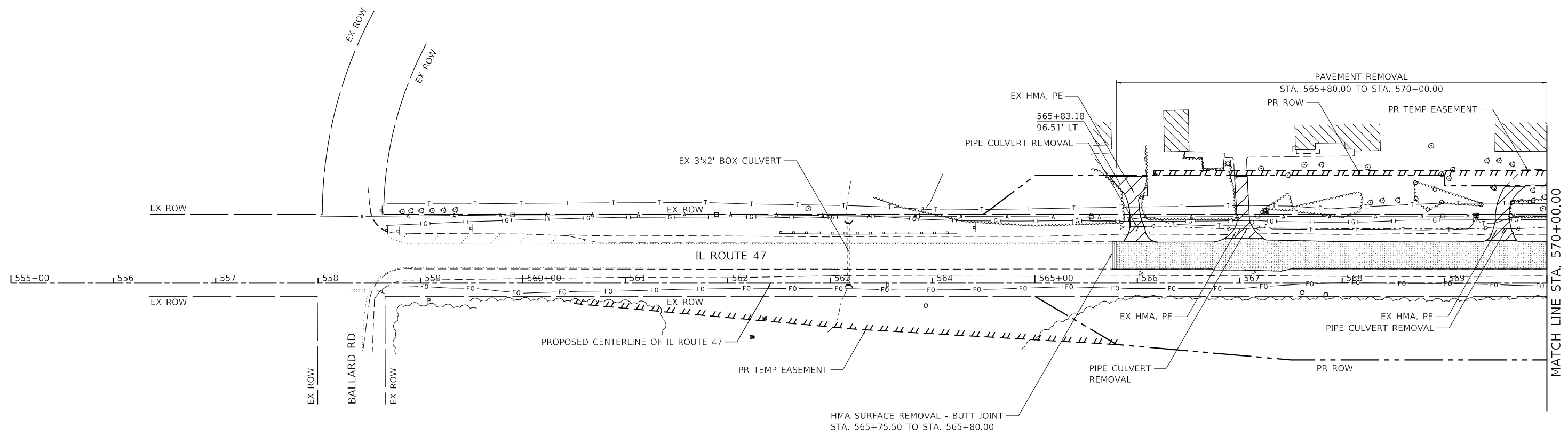
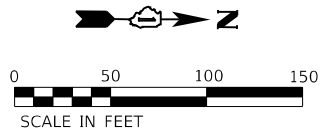
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>BENCHMARKS</b>			
SCALE: 1" = 50'	SHEET 18	OF 18 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	88
CONTRACT NO. 62B43				
		ILLINOIS	FED. AID PROJECT	





**LEGEND**

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- MEDIAN REMOVAL
- LINEAR REMOVAL ITEM (AS NOTED)
- ITEM REMOVAL
- DRAINAGE STRUCTURE TO BE REMOVED

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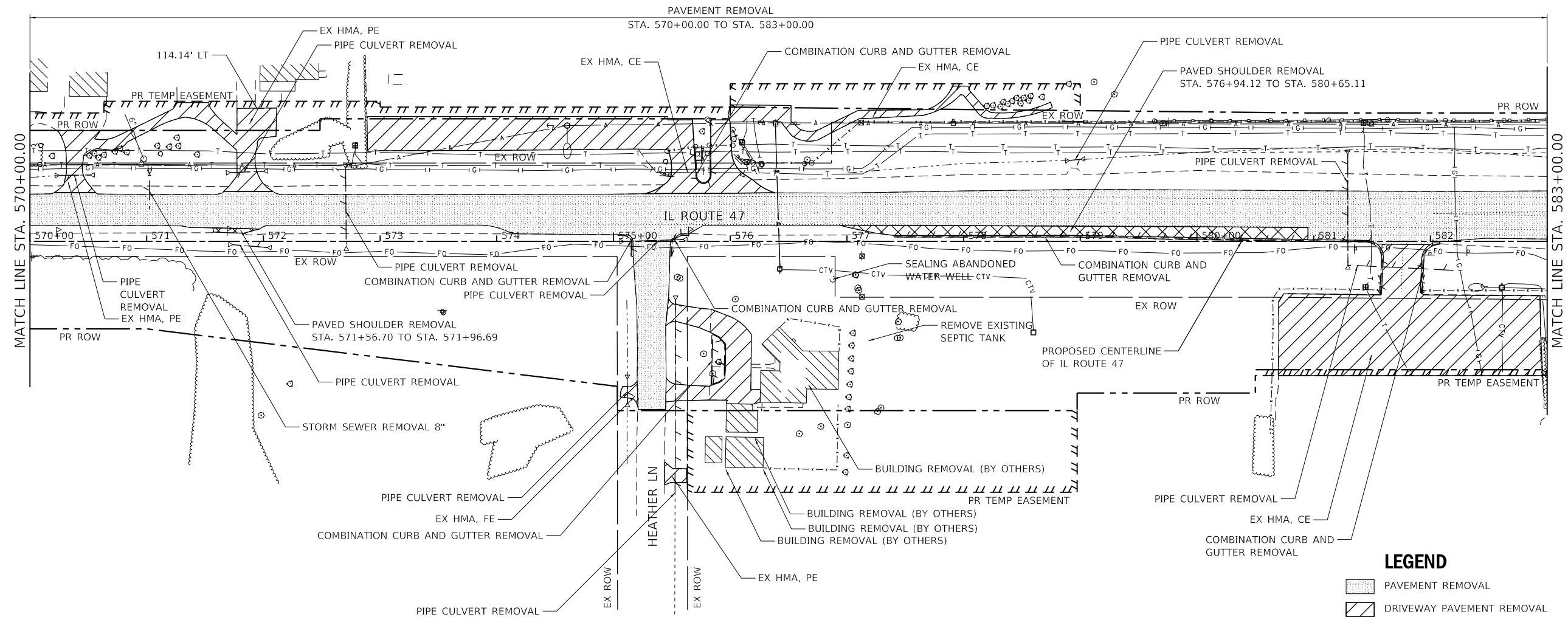
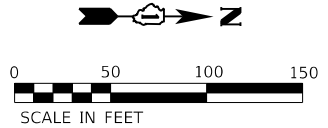
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PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
REMOVAL PLAN**

SCALE: 1" = 50'    SHEET 1 OF 8 SHEETS    STA. 555+00.00 TO STA. 570+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	89
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- MEDIAN REMOVAL
- LINEAR REMOVAL ITEM (AS NOTED)
- ITEM REMOVAL
- DRAINAGE STRUCTURE TO BE REMOVED

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1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

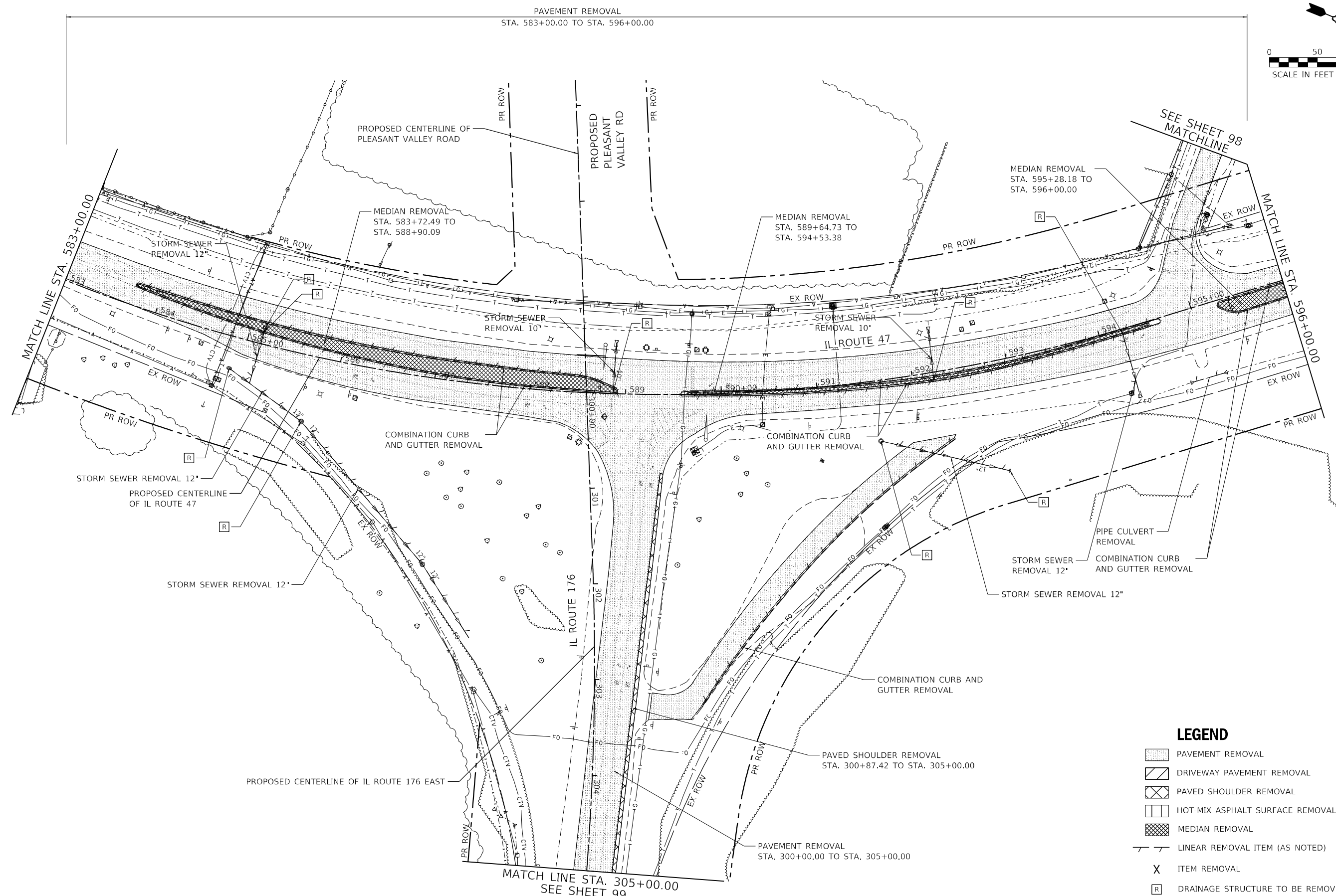
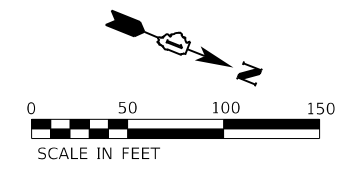
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PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47**  
**REMOVAL PLAN**

SCALE: 1" = 50'    SHEET 2 OF 8 SHEETS    STA. 570+00.00 TO STA. 583+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	90
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

[Hatched Box]	PAVEMENT REMOVAL
[Diagonal Lines]	DRIVEWAY PAVEMENT REMOVAL
[Cross-hatched Box]	PAVED SHOULDER REMOVAL
[White Box with Vertical Lines]	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
[Cross-hatched Box]	MEDIAN REMOVAL
[Line with Tick Marks]	LINEAR REMOVAL ITEM (AS NOTED)
[X]	ITEM REMOVAL
[R]	DRAINAGE STRUCTURE TO BE REMOVED

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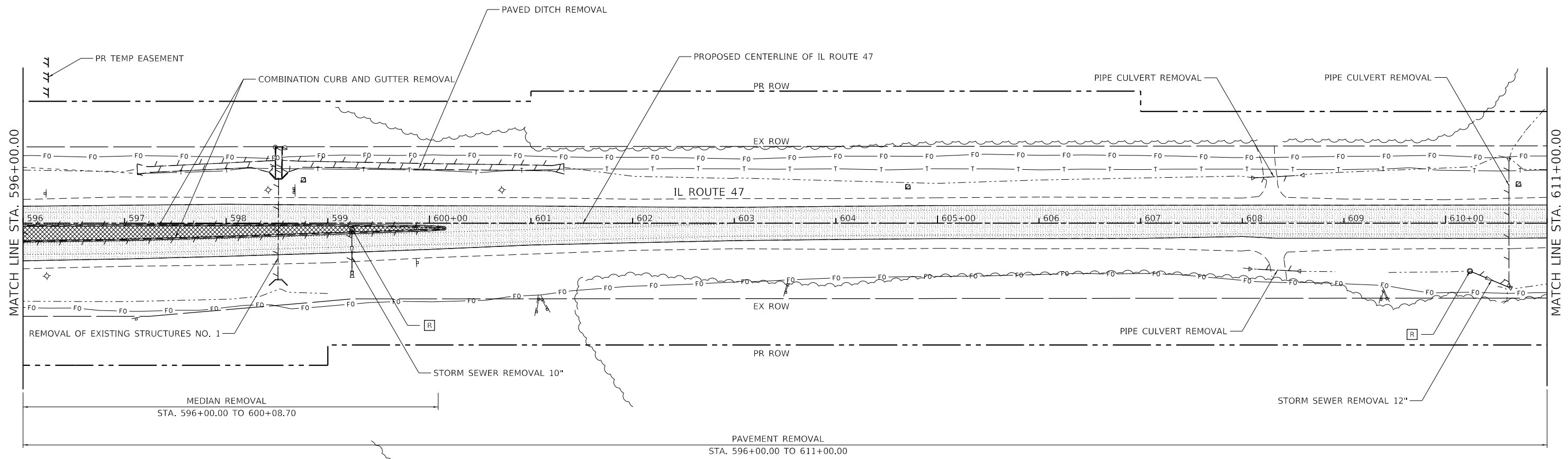
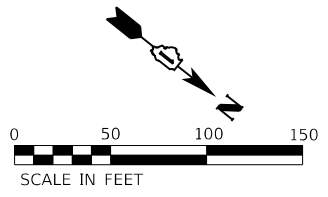


USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 REMOVAL PLAN</b>		F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 91
SCALE: 1" = 50'	SHEET 3 OF 8 SHEETS	STA. 583+00.00 TO STA. 596+00.00				

CONTRACT NO. 62B43					
ILLINOIS FED. AID PROJECT					



**LEGEND**

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- MEDIAN REMOVAL
- LINEAR REMOVAL ITEM (AS NOTED)
- ITEM REMOVAL
- DRAINAGE STRUCTURE TO BE REMOVED

MODEL: D:\47.dgn  
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USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

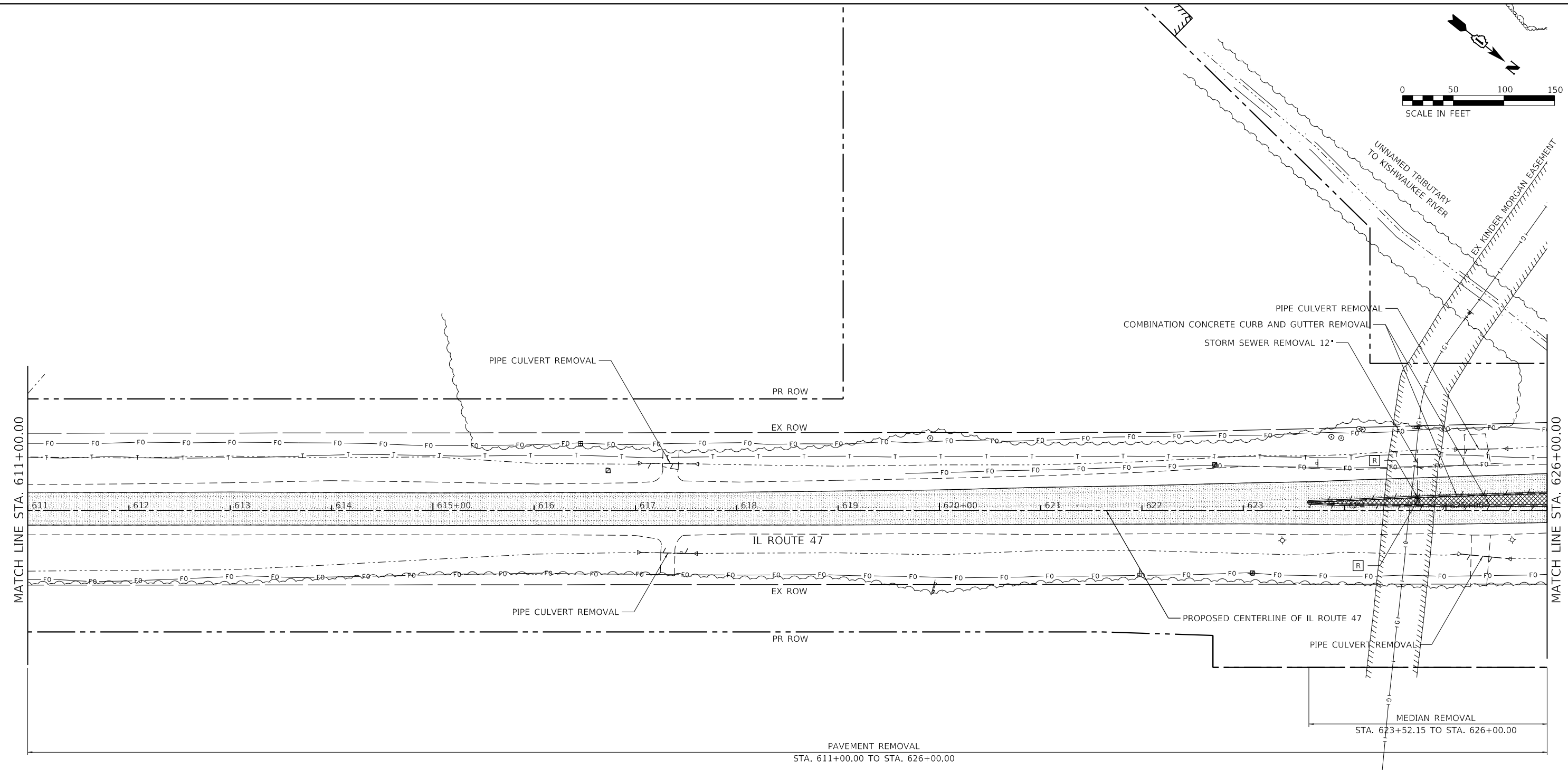
**IL ROUTE 47  
REMOVAL PLAN**

SCALE: 1" = 50'    SHEET 4 OF 8 SHEETS    STA. 596+00.00 TO STA. 611+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 92
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



SCALE IN FEET



- LEGEND**
- PAVEMENT REMOVAL
  - DRIVEWAY PAVEMENT REMOVAL
  - PAVED SHOULDER REMOVAL
  - HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
  - MEDIAN REMOVAL
  - LINEAR REMOVAL ITEM (AS NOTED)
  - ITEM REMOVAL
  - DRAINAGE STRUCTURE TO BE REMOVED

MODEL: D:\m\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn  
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1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

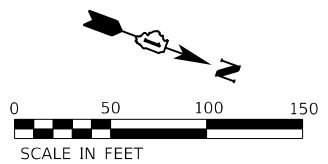
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PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

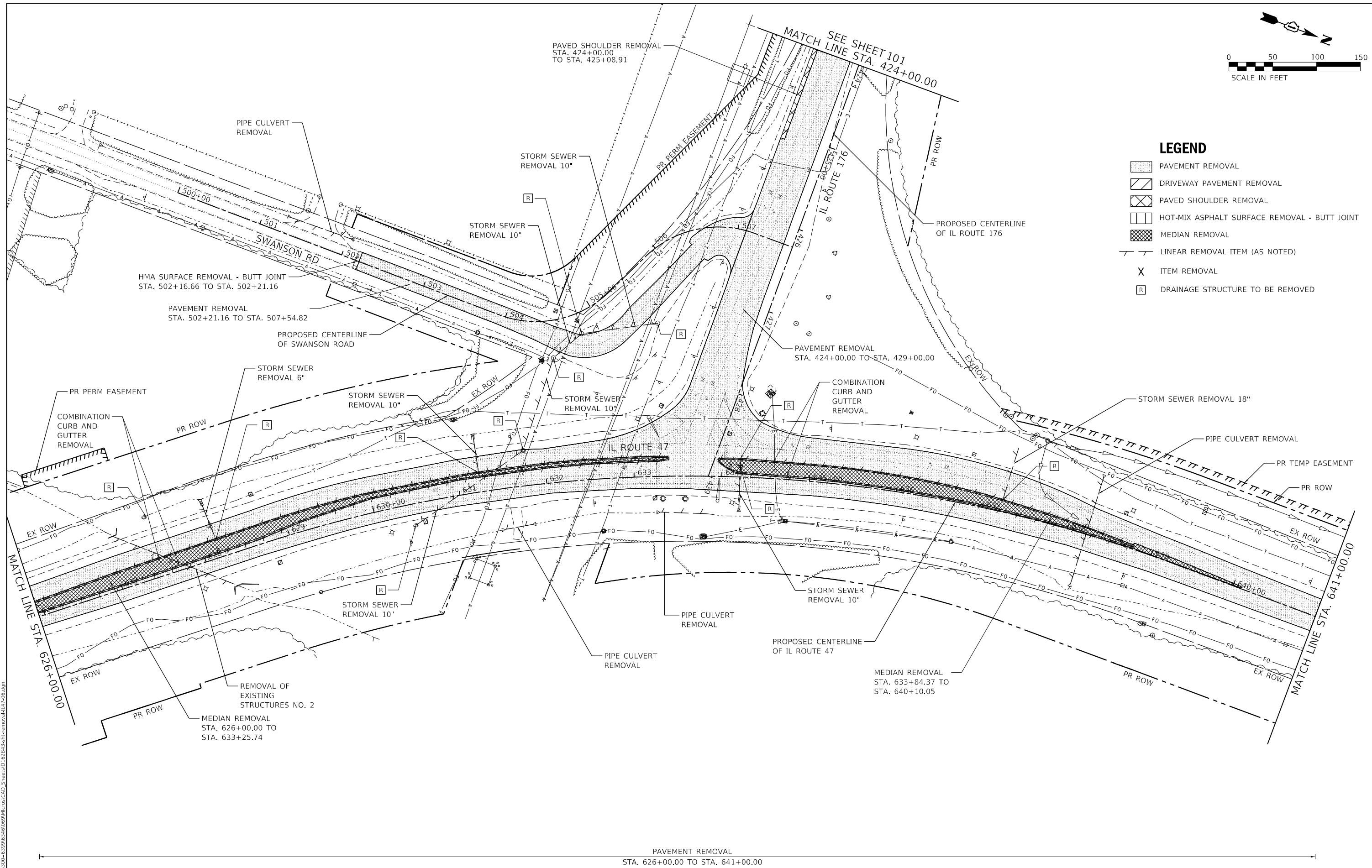
**IL ROUTE 47  
REMOVAL PLAN**

SCALE: 1" = 50'    SHEET 5 OF 8 SHEETS    STA. 611+00.00 TO STA. 626+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	93
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



- LEGEND**
- PAVEMENT REMOVAL
  - DRIVEWAY PAVEMENT REMOVAL
  - PAVED SHOULDER REMOVAL
  - HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
  - MEDIAN REMOVAL
  - LINEAR REMOVAL ITEM (AS NOTED)
  - ITEM REMOVAL
  - DRAINAGE STRUCTURE TO BE REMOVED



PAVEMENT REMOVAL  
STA. 626+00.00 TO STA. 641+00.00

MODEL: D:\6441\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn  
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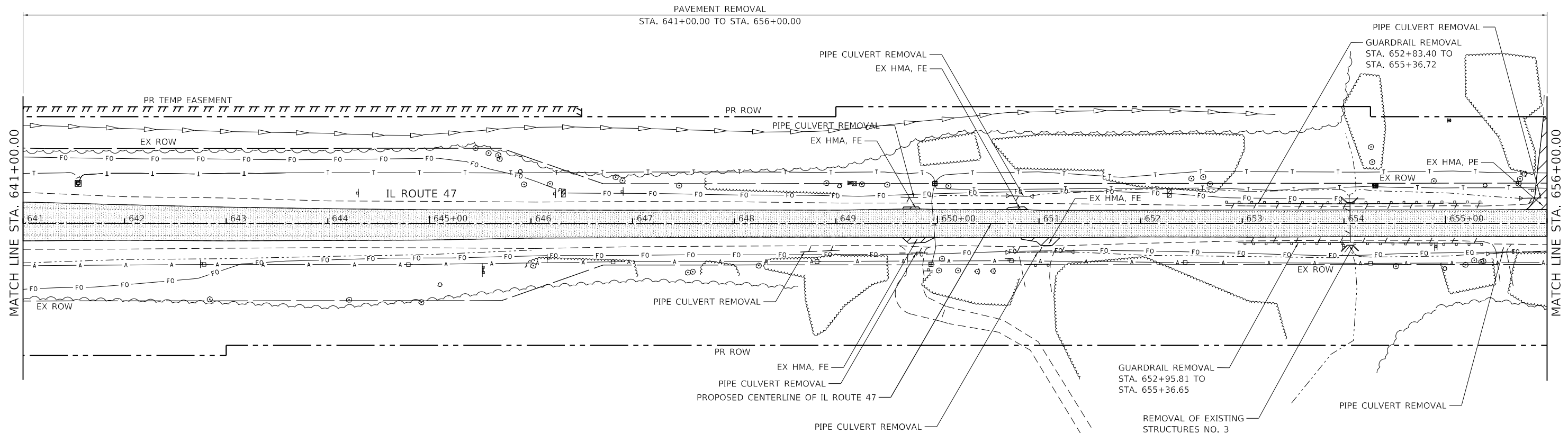
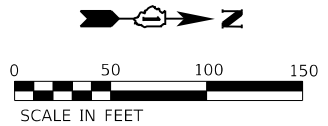


USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 1/11/2024	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 REMOVAL PLAN</b>	
SCALE: 1" = 50'	SHEET 6 OF 8 SHEETS
STA. 626+00.00 TO STA. 641+00.00	

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 94
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

[Stippled Box]	PAVEMENT REMOVAL
[Diagonal Lines Box]	DRIVEWAY PAVEMENT REMOVAL
[Cross-hatched Box]	PAVED SHOULDER REMOVAL
[Horizontal Lines Box]	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
[Vertical Lines Box]	MEDIAN REMOVAL
[Dashed Line]	LINEAR REMOVAL ITEM (AS NOTED)
[X]	ITEM REMOVAL
[R]	DRAINAGE STRUCTURE TO BE REMOVED

MODEL: D:\m\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn  
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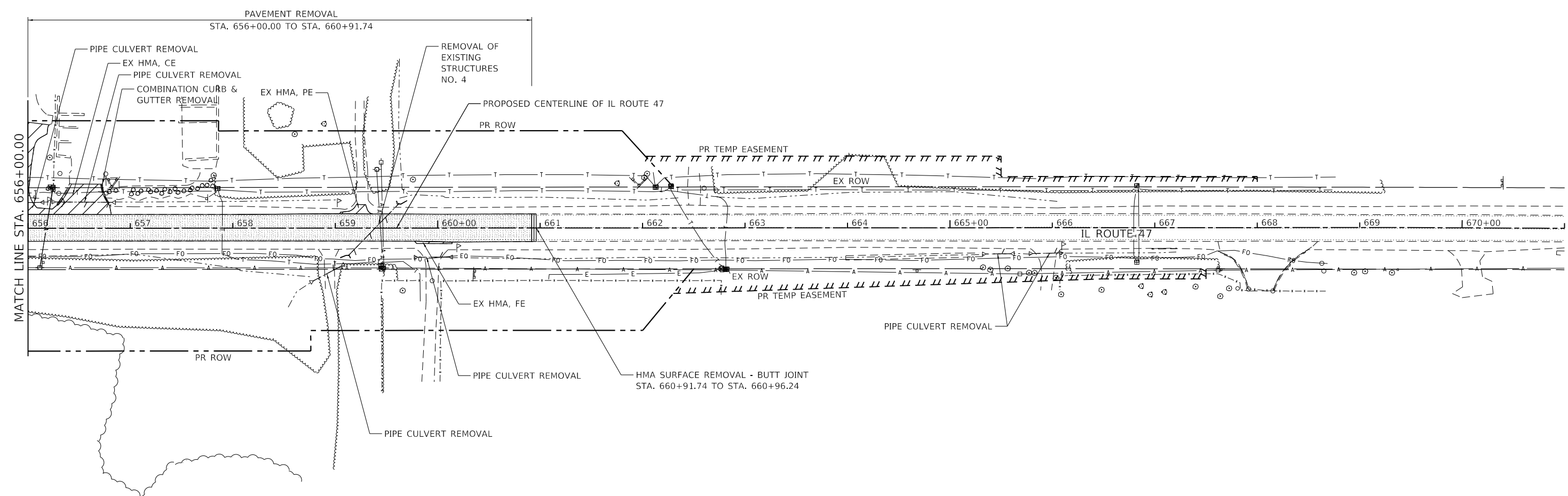
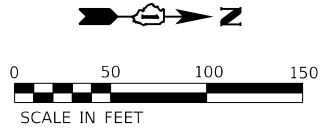
1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 REMOVAL PLAN</b>	
SCALE: 1" = 50'	SHEET 7 OF 8 SHEETS
STA. 641+00.00 TO STA. 656+00.00	

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 95
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- MEDIAN REMOVAL
- LINEAR REMOVAL ITEM (AS NOTED)
- ITEM REMOVAL
- DRAINAGE STRUCTURE TO BE REMOVED

MODEL: D:\64\11  
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 SHEET: 8 OF 8

1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 1/11/2024	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

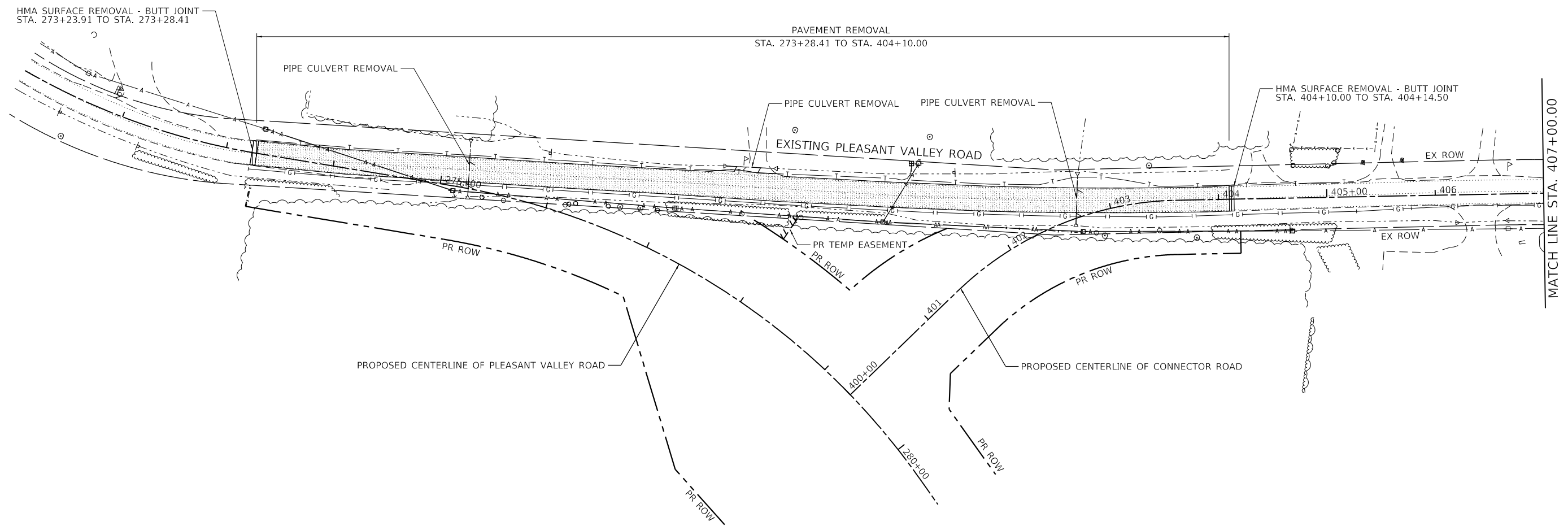
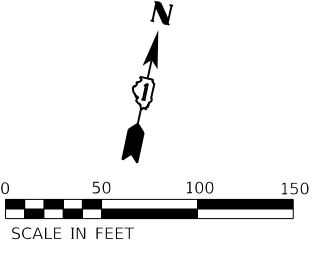
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
REMOVAL PLAN**

SCALE: 1" = 50'    SHEET 8 OF 8 SHEETS    STA. 656+00.00 TO STA. 671+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	96
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				





**LEGEND**

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- MEDIAN REMOVAL
- LINEAR REMOVAL ITEM (AS NOTED)
- ITEM REMOVAL
- DRAINAGE STRUCTURE TO BE REMOVED

MODEL: D:\m\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn  
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1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

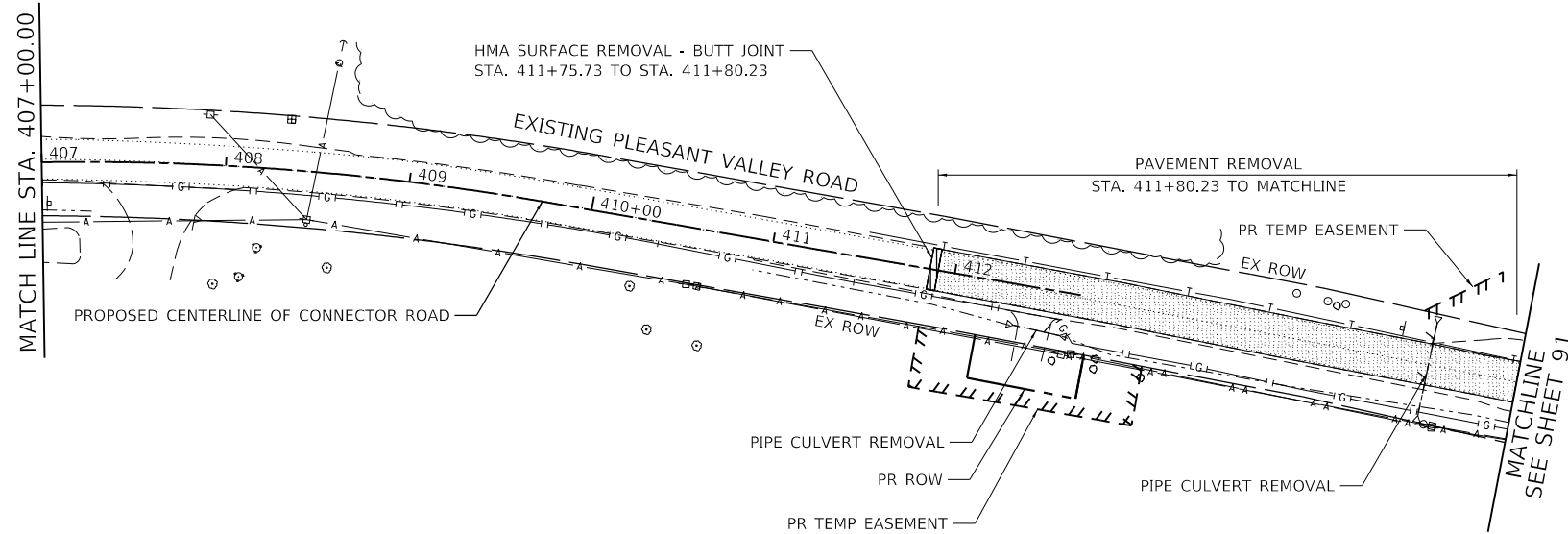
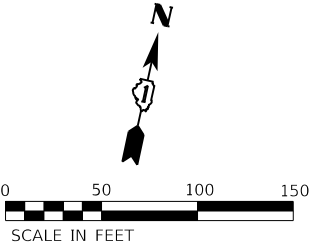
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PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISION -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING PLEASANT VALLEY ROAD**  
**REMOVAL PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	97
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

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



- ### LEGEND
- PAVEMENT REMOVAL
  - DRIVEWAY PAVEMENT REMOVAL
  - PAVED SHOULDER REMOVAL
  - HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
  - MEDIAN REMOVAL
  - LINEAR REMOVAL ITEM (AS NOTED)
  - ITEM REMOVAL
  - DRAINAGE STRUCTURE TO BE REMOVED

MODEL: D:\p4\1170 SOUTH HOUBOLT ROAD\1170 South Houbolt Road\1170\_South\_Houbolt\_Road\CAD\_Sheets\1170\_South\_Houbolt\_Road\_CAD\_Sheet\1170\_South\_Houbolt\_Road\_CAD\_Sheet.dgn

**STRAND ASSOCIATES\***  
1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

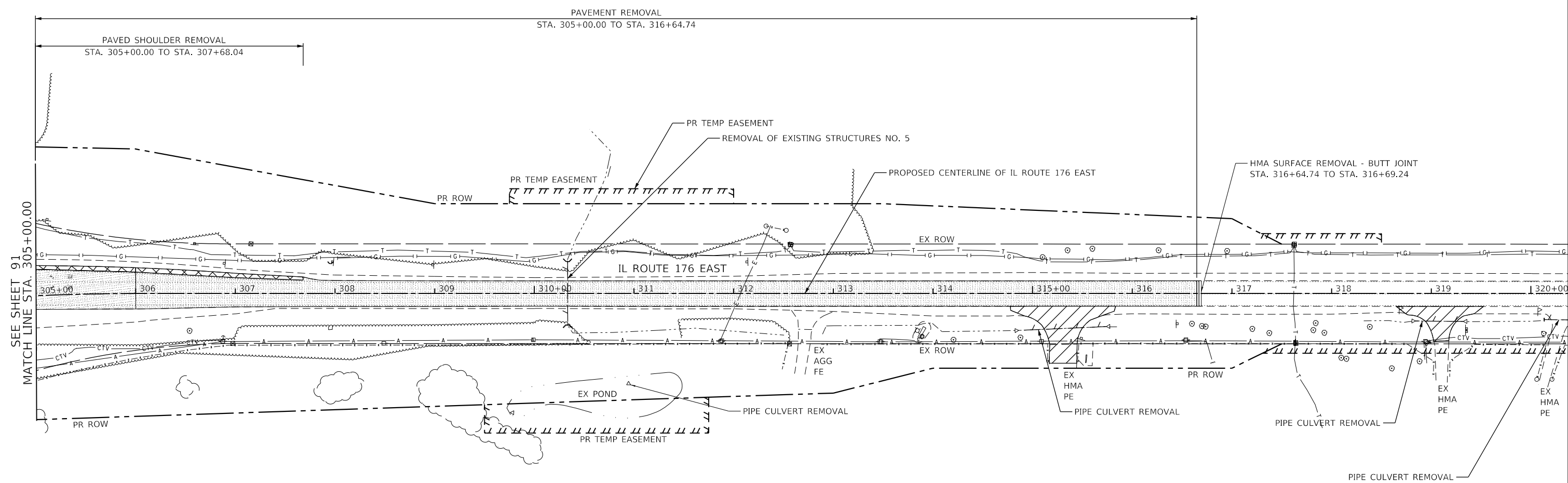
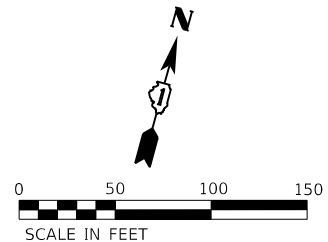
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PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISED -

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

### EXISTING PLEASANT VALLEY ROAD REMOVAL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	98
				CONTRACT NO. 62B43
ILLINOIS			FED. AID PROJECT	



SEE SHEET 91  
MATCH LINE STA. 305+00.00

**LEGEND**

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- MEDIAN REMOVAL
- LINEAR REMOVAL ITEM (AS NOTED)
- ITEM REMOVAL
- DRAINAGE STRUCTURE TO BE REMOVED

MODEL: D:\m\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn  
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**SA STRAND ASSOCIATES**  
 1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

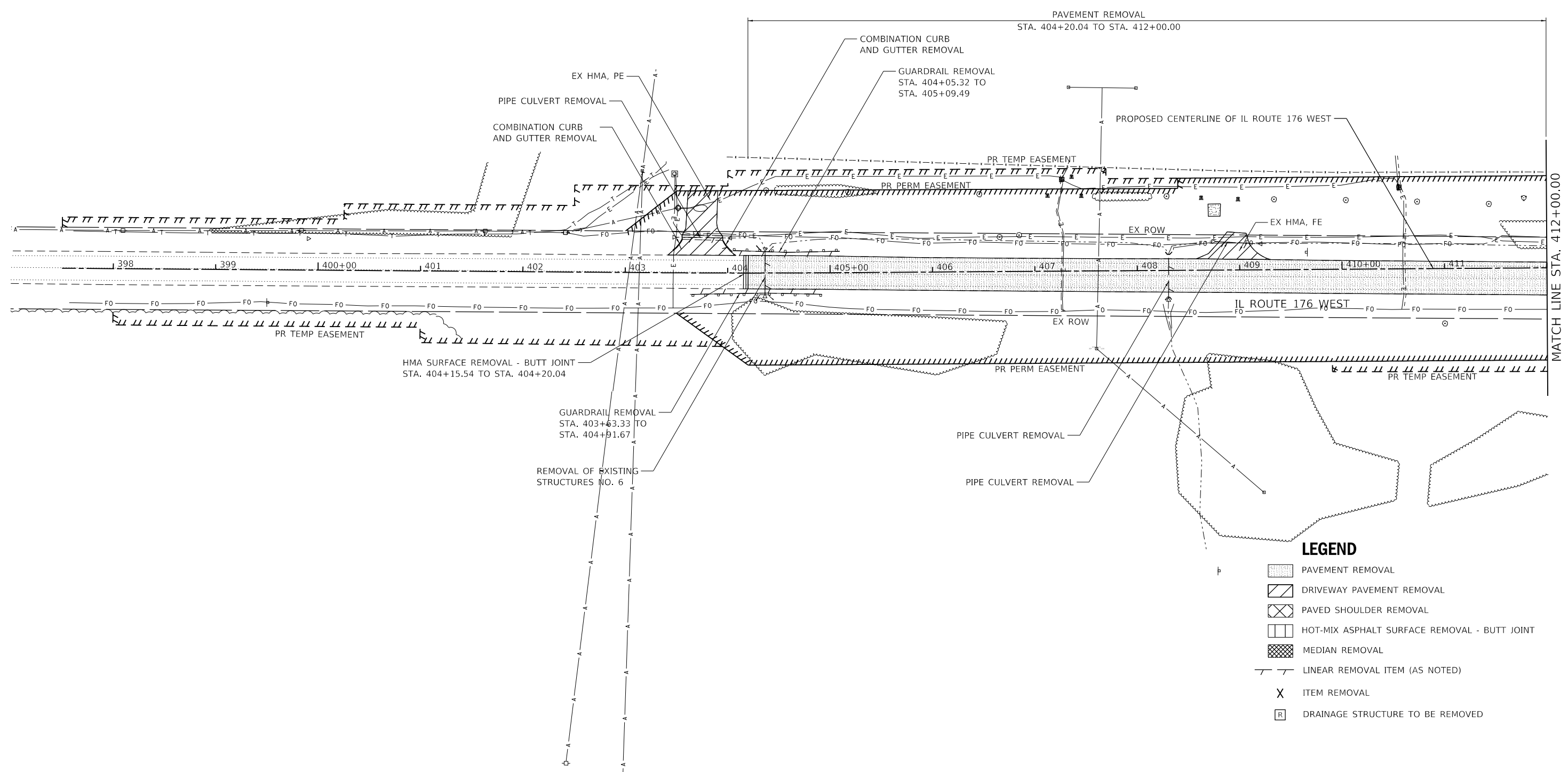
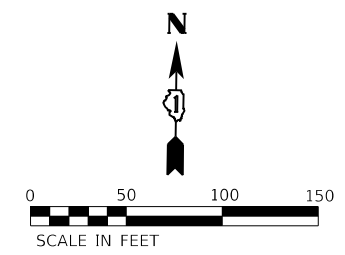
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	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)  
REMOVAL PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 305+00.00 TO STA. 320+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	99
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	MEDIAN REMOVAL
	LINEAR REMOVAL ITEM (AS NOTED)
	ITEM REMOVAL
	DRAINAGE STRUCTURE TO BE REMOVED

MODEL: D:\64611  
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	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 1/11/2024	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)**  
**REMOVAL PLAN**

SCALE: 1" = 50'    SHEET 1 OF 2 SHEETS    STA. 400+00.00 TO STA. 412+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	100
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				