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04-24-2026 LETTING ITEM 070

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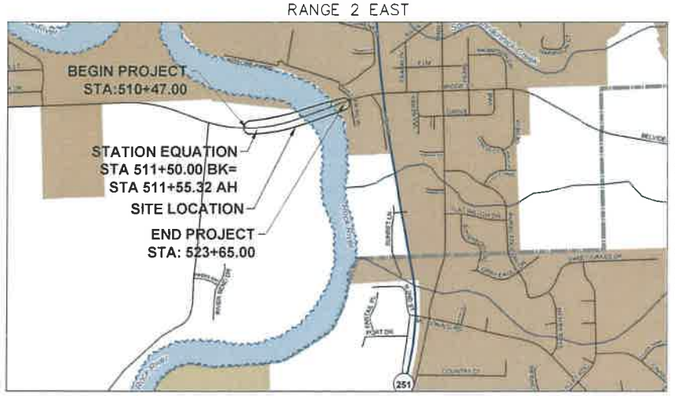
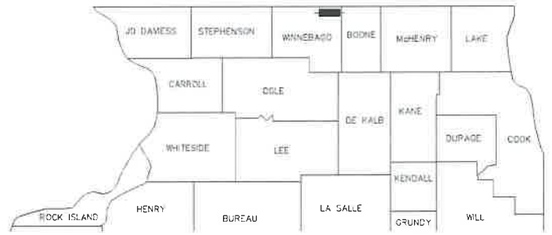
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
ILLINOIS SPECIAL BRIDGE PROGRAM (ISBP)
FEDERAL AID RURAL PROJECT
FAU 9884 COUNTY HIGHWAY 63
(ROSCOE ROAD)
SECTION 18-00661-00-BR
PROJECT NO. FGUB (532)
JOB NO. C-92-065-22
CONTRACT NO: 85798
WINNEBAGO COUNTY

RANGE 2 EAST



ROSCOE ROAD STATION – 510+47.00 TO 523+65.00
NET LENGTH OF ROSCOE ROAD SECTION = 1,312.68' = 0.25 MILES



PROJECT LOCATION

REGION MAP
(NOT TO SCALE)

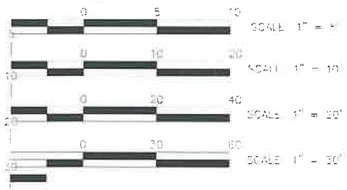
ATTENTION CONTRACTORS
THE ILLINOIS DEPARTMENT OF TRANSPORTION BUREAU OF MATERIALS AND PHYSICAL RESEARCH, "PROJECT PROCEDURES GUIDE" IS APPLICABLE TO THIS PROJECTS

FOR HIGHWAY STANDARDS, UTILITIES, PROJECT HORIZONTAL AND VERTICAL CONTROL - SEE SHEET NO.2

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL RURAL
DESIGN SPEED:55 MPH AND 40 MPH
2025 ADT = 10,700
P.V.=98.0% S.U.=1.5% M.U.=0.5%

811 Know what's below. Call before you dig.

NOTE:
LOCATIONS OF UNDERGROUND UTILITIES ARE NOT SHOWN ON THESE PLANS. CALL J.U.L.I.E. AT 1-800-892-0123 BEFORE DIGGING, TO OBTAIN FIELD LOCATIONS.



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

PROJECT ENGINEER - ECM
PROJECT MANAGER - ECM
CONTRACT NO.85798

LOCATION MAP
(NOT TO SCALE)

STREET TYPE: MINOR ARTERIAL (ROSCOE RD)
ROSCOE RD: ADT 10,700; 2.0% TRUCKS(2025)

FEB 25 2026
ILLINOIS
ERIC C. MOE
062-044970
PROFESSIONAL ENGINEER
EXP. 11/30/2027

IMEG
401 E. State Street
4th Floor
Rockford, Illinois 61104
PH. (815) 965-6400
www.imegcorp.com

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED Feb 25 20 26
County Engineer
LOCAL AGENCY, POSITION

PASSED March 2 20 26
DISTRICT 2 ENGINEER OF LOCAL ROADS & STREETS

RELEASE FOR BID ON LIMITED REVIEW 03/02 20 26
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

BENCHMARKS		
POINT #	DESCRIPTION	ELEVATION
BM# 400	RR SPIKE IN PP, PP ON THE WEST BANK OF THE ROCK RIVER, 1ST PP NORTH OF ROSCOE ROAD BRIDGE	709.20
BM# 401	BOLT IN MUELLER ON FH, 1ST FH EAST OF ROSCOE ROAD BRIDGE, SOUTH SIDE OF ROSCOE ROAD	734.77

HORIZONTAL CONTROL - NAD 83				
POINT #	NORTHING	EASTING	DESCRIPTION	ELEVATION
1	2094717.0350	2606803.3580	TRAV STA 828_5/8_YELLOWCAP	721.62
2	2094763.0270	2606787.1780	TRAV STA 828_5/8_YELLOCAP	720.30
3	2094992.2460	2607414.0540	TRAV STA 828_5/8_YELLOWCAP	729.49
4	2095022.0860	2607709.7100	TRAV STA MAG_NAIL	733.34

HIGHWAY STANDARDS

000001-09	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
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-04	NAME PLATE FOR BRIDGES
610001-09	SHOULDER INLET WITH CURB
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
631061-01	TRAFFIC BARRIER TERMINAL, TYPE 13
701901-11	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

IDOT DISTRICT 2 STANDARDS

41.1	TYPICAL PAVEMENT MARKINGS
22.4	HOT-MIX ASPHALT SHOULDER
23.4	DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARDRAIL

GENERAL NOTES

MAJOR WORK ITEMS:

INSTALL TRAFFIC CONTROL DEVICES AS SHOWN ON THE DETOUR ROUTE.

INSTALL ADVANCED SIGN'S AS SHOWN ON THE ADVANCED SIGN PLACEMENT PLAN.

REMOVE EXISTING PAVEMENT, SHOULDER, AND OTHER APPURTENANCES.

INSTALL EROSION AND SEDIMENT CONTROL DEVICES.

PERFORM BRIDGE RESTORATION WORK.

CONSTRUCT PROPOSED PAVEMENT, SHOULDER, GUARDRAIL AND OTHER PERIPHERAL WORK ITEMS.

COMPLETE RESTORATION.

INSTALL PERMANENT PAVEMENT MARKINGS.

REMOVE EROSION AND SEDIMENT CONTROL ALONG WITH TRAFFIC CONTROL DEVICES.

GENERAL NOTES (CONT'D)

THE CONTRACTOR SHALL NOTIFY THE WINNEBAGO COUNTY ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION IN ORDER TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION. WORK PERFORMED OR MATERIALS AND EQUIPMENT INSTALLED WITHOUT INSPECTION MAY BE CONSIDERED UNACCEPTABLE AT THE DISCRETION OF THE ENGINEER AND WILL HAVE TO BE REPLACED AT NO COST TO THE ENGINEER OR OWNER.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL EQUIPMENT, MATERIAL AND CONSTRUCTION METHODS ADHERE TO THE REQUIREMENTS AND STIPULATIONS OF THE MOST CURRENT ADDITION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL CONSTRUCTION MATERIALS WITHIN THE RIGHT-OF-WAY MUST BE CERTIFIED. DOCUMENTATION OF MATERIAL CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO INSTALLATION FOR APPROVAL. ALL CONSTRUCTION MATERIAL NEEDING INSPECTION SHALL BE DONE ACCORDING TO THE LATEST IDOT PROJECT AND PROCEDURES GUIDE.

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND SECTION OR SUBSECTION MONUMENTS ENCOUNTERED UNTIL AN OWNER, AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKERS AND SECTION OR SUBSECTION MONUMENTS, UNLESS REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

EXISTING MAIL BOXES, STREET SIGNS AND TRAFFIC SIGNS THAT ARE WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, PROTECTED AND DELIVERED TO THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT YARD. THE CONTRACTOR SHALL REST ALL SIGNS AT THE DIRECTION OF THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT. THE REMOVAL, AND RESETTING IS TO BE INCLUDED IN THE VARIOUS CONTRACT ITEMS OF WORK.

EXISTING STRUCTURES (INCLUDING FOUNDATIONS, WALLS, CISTERNS, TANKS, WELLS OR OTHER UNDERGROUND STRUCTURES) WITHIN THE RIGHT OF WAY SHALL BE REMOVED IN ACCORDANCE WITH ARTICLE 501.04 OF THE STANDARD SPECIFICATIONS, WITHOUT ANY ADDITIONAL COMPENSATION, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS.

WHERE THE PROPOSED CONSTRUCTION MEETS AN EXISTING BITUMINOUS OR CONCRETE SURFACE, OR WHERE SAW CUTTING IS STATED ON THE PLANS. THE EXISTING SURFACE SHALL BE SAWED IN A NEAT STRAIGHT LINE FOR THE FULL DEPTH OF THE PAVEMENT. THE COST OF SAW CUTTING IS TO BE INCLUDED WITH THE UNIT BID PRICES FOR REMOVAL ITEMS WITHIN THE CONTRACT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR SAW CUTTING.

THE REMOVAL OF BITUMINOUS SURFACING LESS THAN 10 INCH THICKNESS NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.

ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE ENGINEER PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE PER SQUARE YARD FOR TOPSOIL FURNISH AND PLACE 4". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE SPECIFIED IN SECTIONS 250 OF THE STANDARD SPECIFICATIONS.

SEE CROSS SECTION SHEETS FOR SPECIAL DITCHES AND DESIRED FORE SLOPES.

PAVEMENT MARKINGS SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS

1. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES. NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE EDGE LINES.
2. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAYS SHALL BE ACCORDING TO DIST STANDARD 41.1.

ALL PAVEMENT SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO ANY PAVEMENT MARKING OPERATIONS.

THE AREA TO BE PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAYS PRODUCTIVITY, BUT NO MORE THAN FIVE (5) DAYS IN ADVANCE OF THE PLACEMENT OF HMA, UNLESS APPROVED BY THE ENGINEER.

ALL DUST ON-SITE SHALL BE CONTROLLED BY THE USE OF WATER BASED PRODUCTS ONLY. NO OILS OR PETROLEUM BASED AGENTS SHALL BE PERMITTED FOR DUST CONTROL.

DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUIRED DUE TO DELAY'S OR UNSTABLE MATERIALS CREATED AS A RESULT THEREOF.

ALL "AGGREGATE SUBGRADE IMPROVEMENT" SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE PORTIONS OF ARTICLE 311 AND APPLICABLE PORTIONS OF SECTION 351. ALL AGGREGATE SUBGRADE THICKNESS LESS THAN 12 INCHES SHALL BE CONSTRUCTED OF AGGREGATE OF CA 02 GRADATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.

THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITY MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

IN ADDITION TO THE APPLICABLE PORTIONS OF ARTICLES 105.07, 107.39 AND 107.40 OF THE STANDARD SPECIFICATION SHALL APPLY FOR THE FOLLOWING: THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF THE UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR THE ITEM OF CONSTRUCTION INVOLVED.

GENERAL NOTES (CONT'D)

PRIOR TO PLACING ANY FILL MATERIALS, THE ENTIRE SUBGRADE SHALL BE PROOF ROLLED IN THE PRESENCE OF THE ENGINEER AND DCP TESTING WILL BE PERFORMED TO IDENTIFY WEAK OF SOFT SOILS. PROOF ROLLING SHALL BE ACCOMPLISHED USING A FULLY LOADED SINGLE AXLE DUMP TRUCK OR OTHER EQUIPMENT WHICH PROVIDES A SIMILAR SUBGRADE LOADING. AREAS THAT EXPERIENCE RUTTING OR PUMPING UNDER THE PROOFROLL LOAD OR THAT DO NOT MEET THE REQUIRED DEGREE OF COMPACTION SHALL BE IMPROVED BY SCARIFICATION, AIR DRYING AND RECOMPACTION OR UNDERCUTTING AND REPLACEMENT WITH CRUSHED LIMESTONE AGGREGATE FILL. DISKING, DRYING AND RECOMPACTION MUST BE CARRIED OUT DURING SUITABLE WEATHER CONDITIONS WHICH ALLOWS FOR DRYING OF THE SUBGRADE PRIOR TO RECOMPACTION. THE REMOVAL AND REPLACEMENT METHOD INVOLVES UNDERCUTTING THE EXCESSIVELY WET OR SOFT SOILS AND REPLACING WITH APPROVED GRANULAR FILL SUCH AS PGE CRUSHED LIMESTONE. THE GRANULAR FILL SHOULD BE IMMEDIATELY CAPPED OFF WITH CLAY SOIL TO REDUCE WATER TO INFILTRATE THE SUBGRADE. AFTER THE SUBGRADE SOILS ARE STABILIZED, AND SUITABLE FOR SUPPORT OF NEW SITE GRADING FILL AND PAVEMENTS, LOW AREAS MAY THEN BE RAISED TO THE PLANNED GRADES WITH PROPERLY COMPACTED FILL AS DESCRIBED IN THE FOLLOWING SECTION.

CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS AUTODESK CIVIIL 3D FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT CITY OF ROCKFORD'S PROJECT ENGINEER TO REQUEST THESE FILES.

IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE MUNICIPALITY TO DETERMINE APPROVED METHODS OF UTILITY STRUCTURE ADJUSTMENT. UTILITY STRUCTURES MAY INCLUDE, BUT ARE NOT LIMITED TO, MANHOLES, WATER VALVES, HANDHOLES, ETC. ALL MATERIALS AND WORK NECESSARY TO COMPLETE ADJUSTMENTS PER MUNICIPALITY REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED ADJUSTMENT PAY ITEM.

THE PROPOSED IMPROVEMENTS HAVE BEEN DESIGNED TO MATCH THE EXISTING CONDITIONS AS SURVEYED. WHERE THE EXISTING CONDITIONS DO NOT MATCH THE PROPOSED CONDITIONS THE ENGINEER SHALL BE NOTIFIED AND THE PROPOSED IMPROVEMENTS MODIFIED TO MATCH EXISTING CONDITIONS AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE LISTED BELOW.

LIST OF UTILITIES

ComEd KURT ARMSTRONG
Phone: 779-231-3174

NORTH PARK WATER JOSH BEEMAN
Phone: 815-633-5461

NICOR
Phone: 630-388-3046

Comcast
Phone: 224-229-5432

Mediacom
Phone: 815-597-5103

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIX AND TACK TABLES FOR GENERAL NOTES:							
LIFT THICKNESS:	2"	2"	2"	2"	2.5"/3"		
LOCATION AND MIXTURE USE(S):	MILLED PAVEMENT		HMA PAVEMENT			SHOULDER	
	SURFACE	TOP BINDER LIFT	SURFACE	TOP BINDER LIFT	ALL LOWER LIFTS	SURFACE	ALL LOWER LIFTS
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0 @ N50	4.0 @ N50	4.0 @ N50	4.0 @ N50	4.0 @ N50	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION:	IL 9.5	IL 9.5	IL 9.5	IL 9.5	IL 19.0	IL 9.5	IL 19.0
FRICTION AGGREGATE	D	N/A	D	N/A	N/A	D	N/A
MIXTURE WEIGHT	112 lbs/sy/in	N/A	112 lbs/sy/in	N/A	N/A	112 lbs/sy/in	N/A
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MATERIAL TRANSFER DEVICE:	N/A	N/A	N/A	N/A	N/A	N/A	N/A

BITUMINOUS MATERIALS (TACK COAT) - APPLICATION RATES	
SURFACE TYPE	Residual Rate
MILLED (HMA OR PCC)	0.05 lb / sq ft
EXISTING PAVEMENT	0.05 lb / sq ft
FOG COAT (between lifts)	0.025 lb / sq ft

REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

GENERAL NOTES & HIGHWAY STANDARDS

IMEG Project No: 24007592.00

2

Sheet 2 of 55

File Name: 24007592-GNOTES.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026

CONSTRUCTION TYPE CODE: 0013

CODE NO.	ITEM	UNIT	ROADWAY RURAL
20200100	EARTH EXCAVATION	CU YD	322
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	13
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	378
25000210	SEEDING, CLASS 2A	ACRE	0.1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	6
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	6
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	6
25100630	EROSION CONTROL BLANKET	SQ YD	378
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	318
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1962
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	TON	199
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	56
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	308
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	124
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	251

* SPECIALTY ITEM

REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

SUMMARY OF QUANTITIES

IMEG Project No: 24007592.00

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Sheet 3 of 55

File Name: 24007592-SOQ.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026

CONSTRUCTION TYPE CODE: 0013

	CODE NO.	ITEM	UNIT	ROADWAY RURAL
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	19
	48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	1016
	50104000	BRIDGE RAIL REMOVAL	FOOT	1156
	50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	1
	50300225	CONCRETE STRUCTURES	CU YD	21
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	551
	50300260	BRIDGE DECK GROOVING	SQ YD	2064
	50300300	PROTECTIVE COAT	SQ YD	2193
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	100
	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
	50500505	STUD SHEAR CONNECTORS	EACH	7040
*	50606701	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	1
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	222,190
*	50900211	STEEL RAILING, TYPE IL-OH	FOOT	1192
	51500100	NAME PLATES	EACH	1

* SPECIALTY ITEM

REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

SUMMARY OF QUANTITIES

IMEG Project No: 24007592.00

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Sheet 4 of 55

File Name: 24007592-SOQ.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026

CONSTRUCTION TYPE CODE: 0013

	CODE NO.	ITEM	UNIT	ROADWAY RURAL
	52000212	FINGER PLATE EXPANSION JOINT, 4"	FOOT	72.8
	52100020	ELASTROMERIC BEARING ASSEMBLY, TYPE II	EACH	10
	53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	30
	54210182	PIPE ELBOW, 12"	EACH	4
	54213447	END SECTIONS 12"	EACH	2
	60100945	PIPE DRAINS 12"	FOOT	55
	61000050	CONCRETE THRUST BLOCKS	EACH	2
	61000335	TYPE G INLET BOX, STANDARD 610001	EACH	2
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	187.5
*	63100117	TRAFFIC BARRIER TERMINAL, TYPE 13	EACH	4
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3
*	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1
	63200310	GUARDRAIL REMOVAL	FOOT	983
	67100100	MOBILIZATION	L SUM	1
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28

* SPECIALTY ITEM

REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

SUMMARY OF QUANTITIES

IMEG Project No: 24007592.00

5

Sheet 5 of 55

File Name: 24007592-SOQ.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026

CONSTRUCTION TYPE CODE: 0013

	CODE NO.	ITEM	UNIT	ROADWAY RURAL
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3208
*	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	26
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	22
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	8
	Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	10
	Z0004552	APPROACH SLAB REMOVAL	SQ YD	106
*	Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	X0326806	WASHOUT BASIN	L SUM	1
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1574
	X4811410	AGGREGATE SHOULDER SPECIAL, TYPE C	TON	30
	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1

CONSTRUCTION TYPE CODE: 0042

Z0076600	TRAINEES	HOUR	500
Z0076604	TRAINEE TRAINING PROGRAM GRADUATE	HOUR	500

* SPECIALTY ITEM

REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

SUMMARY OF QUANTITIES

IMEG Project No: 24007592.00

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Sheet 6 of 55

File Name: 24007592-SOQ.dwg

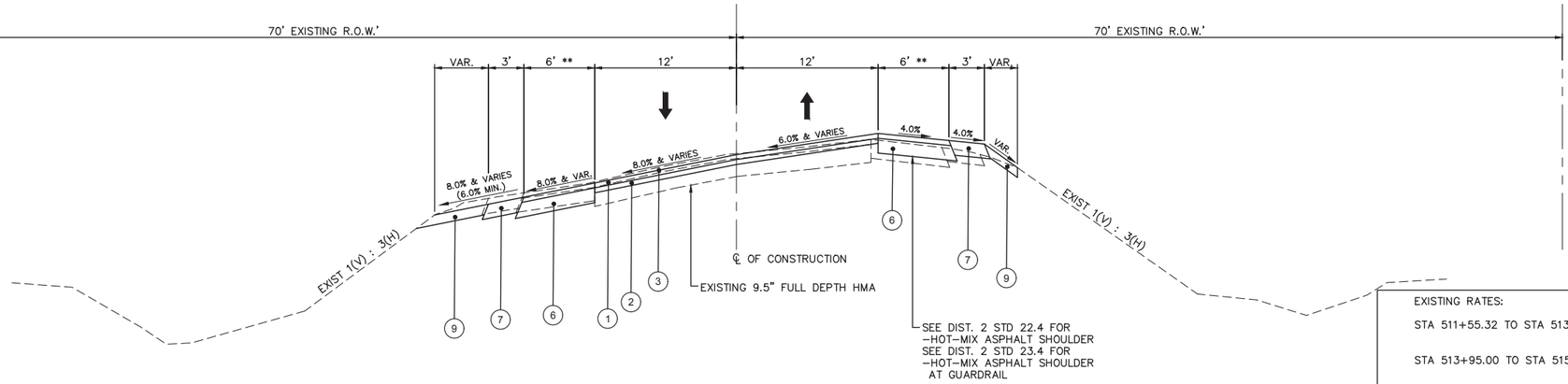
Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026

ROSCOE ROAD
STA 510+47.00 TO STA 511+55.32 - TRANSITION
STA 511+55.32 TO STA 513+95 - FULL SUPER ELEVATION
STA 513+95.00 TO STA 515+25.00 - REVERSE CROWN



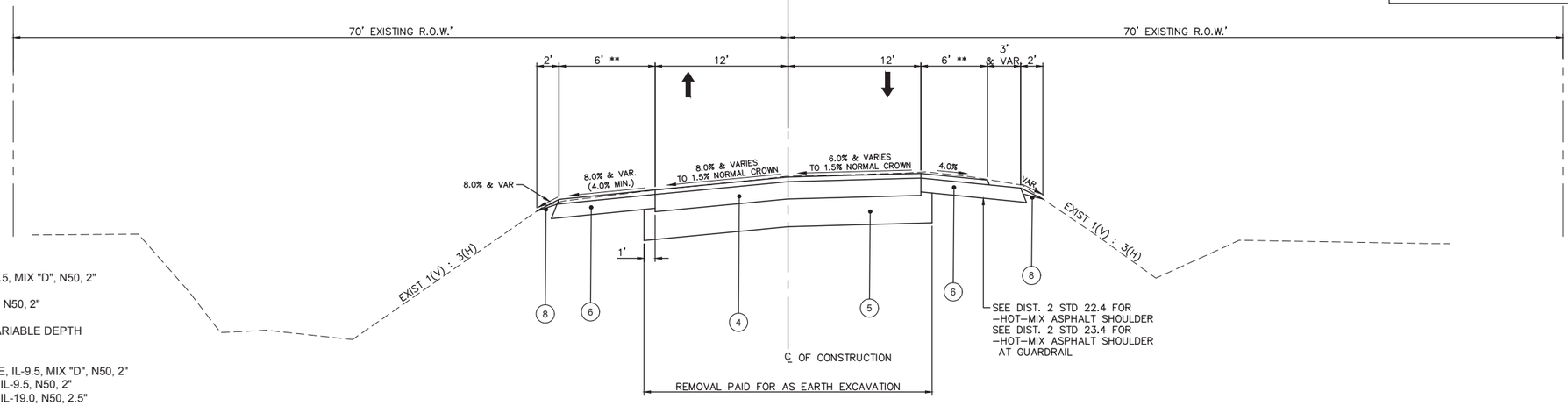
EXISTING RATES:

STA 511+55.32 TO STA 513+95.00	LT – VARIES 7.0% TO 9.0% RT – VARIES 4.0% TO 6.0%
STA 513+95.00 TO STA 515+25.00	LT – VARIES 9.0% TO 3.8% RT – VARIES 5.8% TO 1.5%
STA 515+25.00 TO STA 515+92.20±	LT – VARIES 3.8% TO 3.3% RT – VARIES 1.5% TO 0.0%

PROPOSED RATES:

STA 511+55.32 TO STA 513+95.00	LT – 8.0% RT – 6.0%
STA 513+95.00 TO STA 515+25.00	LT – VARIES 8.0% TO 1.5% RT – VARIES 6.0% TO 1.5%
STA 515+25.00 TO STA 515+92.20±	LT – 1.5% RT – VARIES 1.5% TO –1.5%

ROSCOE ROAD
STA 515+25.00 T0 STA 515+92.20 - NORMAL CROWN



PROPOSED LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
2. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2"
3. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
4. PROPOSED HOT-MIX ASPHALT, 9.5"
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2"
   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"
   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3"
5. AGGREGATE SUBGRADE IMPROVEMENT, 12"
6. HOT-MIX ASPHALT SHOULDER, 6"
   HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"
7. AGGREAGTE SHOULDERS, TYPE B 6"
8. AGGREGATE WEDGE SHOULDER, TYPE B
9. TOPSOIL FURNISH AND PLACE, 4"

NOTE:
** SEE STANDARD 630301 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS

Monday, February 23, 2026 6:46:28 AM
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REVISIONS		
DATE	DESCRIPTION	No.

IMEG
401 E STATE STREET
4TH FLOOR
ROCKFORD, IL 61104
PH: 815.965.6400
www.imegcorp.com
Illinois Design Firm Registration #184.007637-0014

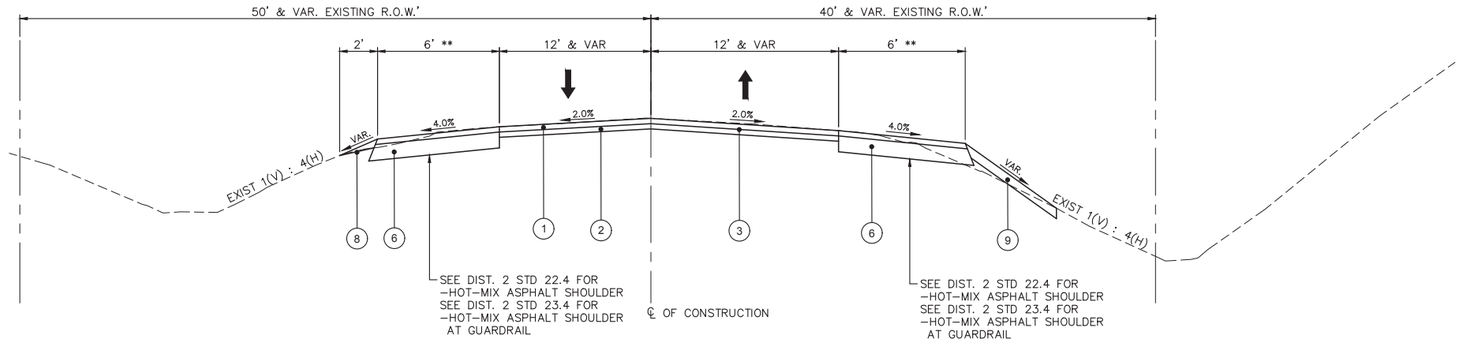
ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

TYPICAL SECTONS

IMEG Project No: 24007592.00	File Name: 24007592-TYPICALS.dwg
7	Field Book No: 368
	Drawn By: PJP
Sheet 7 of 55	Checked By: ECM
	Date: 02/23/2026

ROSCOE ROAD
STA 522+64.80 TO STA 523+65.00



PROPOSED LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
2. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2"
3. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
4. PROPOSED HOT-MIX ASPHALT, 9.5"
   - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   - HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2"
   - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"
   - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3"
5. AGGREGATE SUBGRADE IMPROVEMENT, 12"
6. HOT-MIX ASPHALT SHOULDER, 6"
   - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
   - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"
7. AGGREAGTE SHOULDERS, TYPE B 6"
8. AGGREGATE WEDGE SHOULDER, TYPE B
9. TOPSOIL FURNISH AND PLACE, 4"

NOTE:
** SEE STANDARD 630301 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS

REVISIONS		
DATE	DESCRIPTION	No.

IMEG
401 E STATE STREET
4TH FLOOR
ROCKFORD, IL 61104
PH: 815.965.6400
www.imegcorp.com
Illinois Design Firm Registration #184.007637-0014

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

TYPICAL SECTONS

IMEG Project No: 24007592.00

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Sheet 8 of 55

File Name: 24007592-TYPICALS.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026

20200100 EARTH EXCAVATION

CU YD	LOCATION	OFFSET	REMARKS
86	STA 510+47.00 - 515+25.00	RT/LT	
173	STA 515+25.00 - 516+18.42	RT/LT	
63	STA 522+38.58 - 522+64.80	RT/LT	
322	TOTAL		

20200600 EXCAVATING AND GRADING EXISTING SHOULDER

UNIT	LOCATION	OFFSET	REMARKS
1.0	STA 510+47.00 - 511+50.00	RT	
1.0	STA 510+47.00 - 511+50.00	LT	
4.4	STA 511+55.32 - 515+92.20	RT	
4.4	STA 511+55.32 - 515+92.20	LT	
1.0	STA 522+64.80 - 523+65.00	RT	
1.0	STA 522+64.80 - 523+65.00	LT	
13	TOTAL		

21101615 TOPSOIL FURNISH AND PLACE, 4"

SQ YD	LOCATION	OFFSET	REMARKS
126	STA 510+47.00 - 513+77.07	RT	
186	STA 510+47.00 - 515+26.79	LT	
66	STA 522+64.80 - 523+65.00	RT	
378	TOTAL		

25000210 SEEDING, CLASS 2A

ACRE	LOCATION	OFFSET	REMARKS
0.03	STA 510+47.00 - 513+77.07	RT	
0.04	STA 510+47.00 - 515+26.79	LT	
0.01	STA 522+64.80 - 523+65.00	RT	
0.08	TOTAL		
0.10	USE		

25000400 NITROGEN FERTILIZER NUTRIENT

POUND	LOCATION	OFFSET	REMARKS
2.0	STA 510+47.00 - 513+77.07	RT	
3.0	STA 510+47.00 - 515+26.79	LT	
1.0	STA 522+64.80 - 523+65.00	RT	
6.0	TOTAL		

25000500 PHOSPHORUS FERTILIZER NUTRIENT

POUND	LOCATION	OFFSET	REMARKS
2.0	STA 510+47.00 - 513+77.07	RT	
3.0	STA 510+47.00 - 515+26.79	LT	
1.0	STA 522+64.80 - 523+65.00	RT	
6.0	TOTAL		

25000600 POTASSIUM FERTILIZER NUTRIENT

POUND	LOCATION	OFFSET	REMARKS
2.0	STA 510+47.00 - 513+77.07	RT	
3.0	STA 510+47.00 - 515+26.79	LT	
1.0	STA 522+64.80 - 523+65.00	RT	
6.0	TOTAL		

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION	OFFSET	REMARKS
126	STA 510+47.00 - 513+77.07	RT	
186	STA 510+47.00 - 515+26.79	LT	
66	STA 522+64.80 - 523+65.00	RT	
378	TOTAL		

30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"

SQ YD	LOCATION	OFFSET	REMARKS
194	STA 515+25.00 - 515+92.20	RT/LT	MAINLINE
62	STA 515+92.20 - 516+08.42	RT/LT	PAVT CONNECTOR
62	STA 522+48.58 - 522+64.80	RT/LT	PAVT CONNECTOR
318	TOTAL		

40600290 BITUMINOUS MATERIALS (TACK COAT)

POUND	LOCATION	OFFSET	REMARKS
1,494	STA 510+47.00 - 515+92.20	RT/LT	2 APPLICATIONS
120	STA 515+25.00 - 515+92.20	RT/LT	3 APPLICATIONS
348	STA 522+64.80 - 523+65.00	RT/LT	2 APPLICATIONS
1,962	TOTAL		

40602978 HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50

TON	LOCATION	OFFSET	REMARKS
31	STA 510+47.00 - 511+50.00	RT/LT	MAINLINE
111	STA 511+55.32 - 515+25.00	RT/LT	MAINLINE
21	STA 515+25.00 - 515+92.20	RT/LT	MAINLINE
36	STA 522+64.80 - 523+65.00	RT/LT	MAINLINE
199	TOTAL		

40603080 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

TON	LOCATION	OFFSET	REMARKS
56	STA 515+25.00 - 515+92.20	RT/LT	
56	TOTAL		

40604060 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50

TON	LOCATION	OFFSET	REMARKS
31	STA 510+47.00 - 511+50.00	RT/LT	MAINLINE
111	STA 511+55.32 - 515+25.00	RT/LT	MAINLINE
21	STA 515+25.00 - 515+92.20	RT/LT	MAINLINE
36	STA 522+64.80 - 523+65.00	RT/LT	MAINLINE
44	STA 510+47.00 - 515+92.20	RT	SHOULDER
43	STA 510+47.00 - 515+92.20	LT	SHOULDER
10	STA 522+64.80 - 523+65.00	RT	SHOULDER
12	STA 522+64.80 - 523+65.00	LT	SHOULDER
308	TOTAL		

42000070 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB

SQ YD	LOCATION	OFFSET	REMARKS
62	STA 515+92.20 - 516+08.42	RT/LT	
62	STA 522+48.58 - 522+64.80	RT/LT	
124	TOTAL		

48101500 AGGREGATE SHOULDERS, TYPE B 6"

SQ YD	LOCATION	OFFSET	REMARKS
101	STA 510+47.00 - 513+52.89	RT	
150	STA 510+47.00 - 515+08.95	LT	
251	TOTAL		

48102100 AGGREGATE WEDGE SHOULDER, TYPE B

TON	LOCATION	OFFSET	REMARKS
11	STA 513+52.89 - 516+14.64	RT	
4	STA 515+08.95 - 515+92.20	LT	
4	STA 522+64.80 - 523+65.00	LT	
19	TOTAL		

48203021 HOT-MIX ASPHALT SHOULDERS, 6"

SQ YD	LOCATION	OFFSET	REMARKS
445	STA 510+47.00 - 515+92.20	RT	
381	STA 510+47.00 - 515+92.20	LT	
89	STA 522+64.80 - 523+65.00	RT	
101	STA 522+64.80 - 523+65.00	LT	
1,016	TOTAL		

REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

SCHEDULE OF QUANTITIES

IMEG Project No: 24007592.00

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Sheet 9 of 55

File Name: 24007592-SCHEDULES.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026

54210182 PIPE ELBOW, 12"

EACH	LOCATION	OFFSET	REMARKS
2	STA 516+29.45	RT	
2	STA 516+17.39	LT	
4	TOTAL		

54213447 END SECTIONS 12"

EACH	LOCATION	OFFSET	REMARKS
1	STA 516+29.45	RT	
1	STA 516+17.39	LT	
2	TOTAL		

60100945 PIPE DRAINS 12"

FOOT	LOCATION	OFFSET	REMARKS
22	STA 516+29.45	RT	
33	STA 516+17.39	LT	
55	TOTAL		

61000050 CONCRETE THRUST BLOCKS

EACH	LOCATION	OFFSET	REMARKS
1	STA 516+29.45	RT	
1	STA 516+17.39	LT	
2	TOTAL		

61000335 TYPE G INLET BOX, STANDARD 610001

EACH	LOCATION	OFFSET	REMARKS
1	STA 516+29.45	RT	
1	STA 516+17.39	LT	
2	TOTAL		

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

FOOT	LOCATION	OFFSET	REMARKS
162.5	STA 514+33.76 - 515+96.26	RT	
25.0	STA 522+60.74 - 522+85.74	LT	
187.5	TOTAL		

63100117 TRAFFIC BARRIER TERMINAL, TYPE 13

EACH	LOCATION	OFFSET	REMARKS
1	STA 516+27.20	LT	
1	STA 516+39.64	RT	
1	STA 522+17.36	LT	
1	STA 516+29.80	RT	
4	TOTAL		

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

EACH	LOCATION	OFFSET	REMARKS
1	STA 514+33.76	RT	
1	STA 522+73.18	RT	
1	STA 522+85.74	LT	
3	TOTAL		

63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED

EACH	LOCATION	OFFSET	REMARKS
1	STA 515+83.82	LT	
1	TOTAL		

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION	OFFSET	REMARKS
468	STA 511+57.27 - 516+25.02	LT	
355	STA 512+81.84 - 516+37.15	RT	
80	STA 522+29.61 - 523+06.55	LT	
80	STA 512+81.84 - 523+18.83	RT	
983	TOTAL		

72501000 TERMINAL MARKER - DIRECT APPLIED

EACH	LOCATION	OFFSET	REMARKS
1	STA 513+86.89	RT	
1	STA 515+36.95	LT	
1	STA 523+19.54	RT	
1	STA 523+32.56	LT	
4	TOTAL		

78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"

FOOT	LOCATION	OFFSET	REMARKS
290	STA 510+47.00 - 522+18.58	C/L	YELLOW 10' SKIP 30' GAP
293	STA 522+18.58 - 523+65.00	C/L	DOUBLE YELLOW
1,315	STA 510+47.00 - 523+65.00	RT	WHITE EDGE LINE
1,310	STA 510+47.00 - 523+65.00	LT	WHITE EDGE LINE
3,208	TOTAL		

78009008 MODIFIED URETHANE PAVEMENT MARKING - LINE 8"

FOOT	LOCATION	OFFSET	REMARKS
26	STA 522+65.00 - 523+65.00	C/L	2' SKIP 6' GAP
26	TOTAL		

78200005 GUARDRAIL REFLECTORS, TYPE A

EACH	LOCATION	OFFSET	REMARKS
12	STA 513+86.89 - 523+19.54	RT	
10	STA 515+36.95 - 523+32.56	LT	
22	TOTAL		

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

EACH	LOCATION	OFFSET	REMARKS
8	STA. 522+65 TO 523+65	C/L	
8	TOTAL		

X4401198 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

SQ YD	LOCATION	OFFSET	REMARKS
275	STA 510+47.00 - 511+50.00	RT/LT	
986	STA 511+55.32 - 515+25.00	RT/LT	
313	STA 522+64.80 - 523+65.00	RT/LT	
1,574	TOTAL		

X4811410 AGGREGATE SHOULDERS SPECIAL, TYPE C

TON	LOCATION	OFFSET	REMARKS
30	STA 516+25.00	RT	AS DIRECTED BY THE ENGINEER
30	TOTAL		

Z0004552 APPROACH SLAB REMOVAL

SQ YD	LOCATION	OFFSET	REMARKS
53	STA 516+18.42 - 516+38.42	RT/LT	
53	STA 522+18.58 - 522+38.58	RT/LT	
106	TOTAL		

REVISIONS

DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

SCHEDULE OF QUANTITIES

IMEG Project No: 24007592.00

10

Sheet 10 of 55

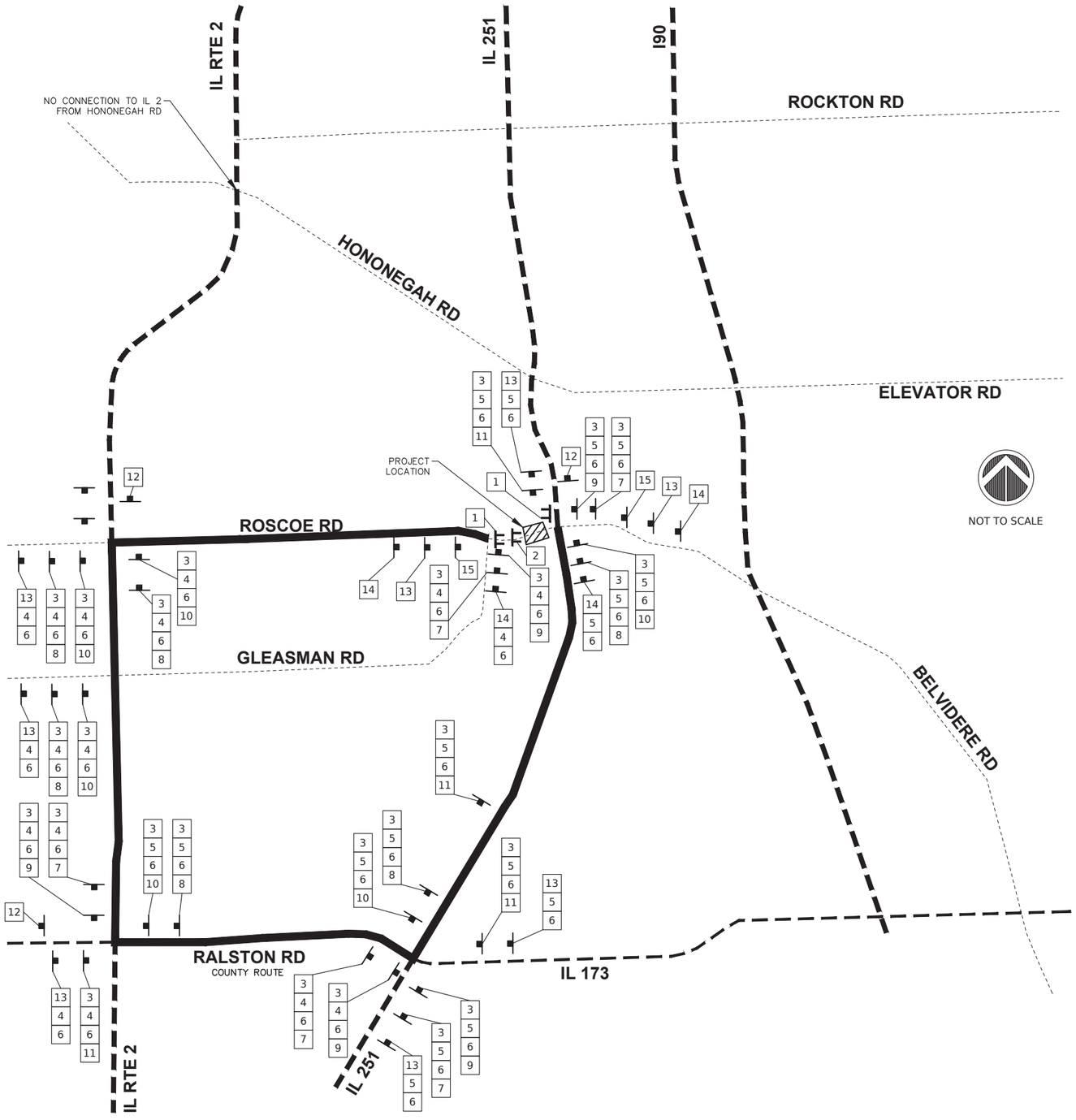
File Name: 24007592-SCHEDULES.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026



LEGEND

- EXISTING ROADWAY
- DETOUR ROUTE
- TYPE III BARRICADE W/ FLASHING LIGHTS
- # — DETOUR SIGNS, NUMBER DENOTES TYPE
- FULL ROAD CLOSURE - BRIDGE OUT

SIGN LEGEND

1	BRIDGE OUT 1000 FEET AHEAD LOCAL TRAFFIC ONLY	R11-4, 60" X 30"
2	ROAD CLOSED	R11-2, 48" X 30"
3	DETOUR	M4-8, 24" X 12"
4	EAST	M3-2 (O), 24" X 12"
5	WEST	M3-4 (O), 24" X 12"
6	Roscoe Rd	M1-I100, 36" X 24"
7		M5-1L (O), 21" X 15"
8		M5-1R (O), 21" X 15"
9		M6-1L (O), 21" X 15"
10		M6-1R (O), 21" X 15"
11		M6-3 (O), 21" X 15"
12	END DETOUR	M4-8A, 24" X 18"
13	DETOUR AHEAD	W20-2, 48" X 48" WITH AMBER FLASHING LIGHTS
14	ROAD CLOSED AHEAD	W20-3, 48" X 48" WITH AMBER FLASHING LIGHTS
15	ROAD CLOSED 1000 FT	W20-3, 48" X 48" WITH AMBER FLASHING LIGHTS

DETOUR GENERAL NOTES

1. TOTAL DETOUR LENGTH IS 12 MILES.
2. CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE 14 DAYS PRIOR TO THE ROSCOE ROAD BRIDGE CLOSURE. SIGNS CAN BE REMOVED ONCE THE DETOUR IS IN PLACE, AND THE ROAD IS CLOSED.
3. THE DETOUR PLAN WILL SERVE AS A GUIDE FOR REASONABLE DIVERSION OF TRAFFIC DURING CONSTRUCTION. THE CONTRACTOR MAY MODIFY THE DETOUR PLAN, IF NEEDED, DUE TO CONSTRUCTION OPERATIONS, BUT SHALL NOT ADVERSELY AFFECT THE PUBLIC SAFETY. ANY CHANGES TO THE DETOUR PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ANY CHANGES.
4. ALL DETOUR SIGNS SHALL BE COMPLETELY COVERED AT ALL TIMES WHEN ROSCOE RD IS NOT CLOSED TO TRAFFIC.
5. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.
6. SIGN LOCATIONS SHOWN ON THE DETOUR PLAN ARE GENERAL LOCATIONS. THE CONTRACTOR MAY ADJUST SIGN LOCATIONS TO FIT FIELD CONDITIONS.
7. THE CONTRACTOR SHALL MAKE ALL CHANGES IN SIGNING THAT ARE DEEMED NECESSARY BY THE ENGINEER.
8. ALL CONSTRUCTION SIGNS, BARRICADES, BARRELS, LIGHTS AND OTHER DEVICES USED TO DETOUR TRAFFIC SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR, 24 HOURS EACH DAY, INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.

REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

DETOUR PLAN

IMEG Project No: 24007592.00

11

Sheet 11 of 55

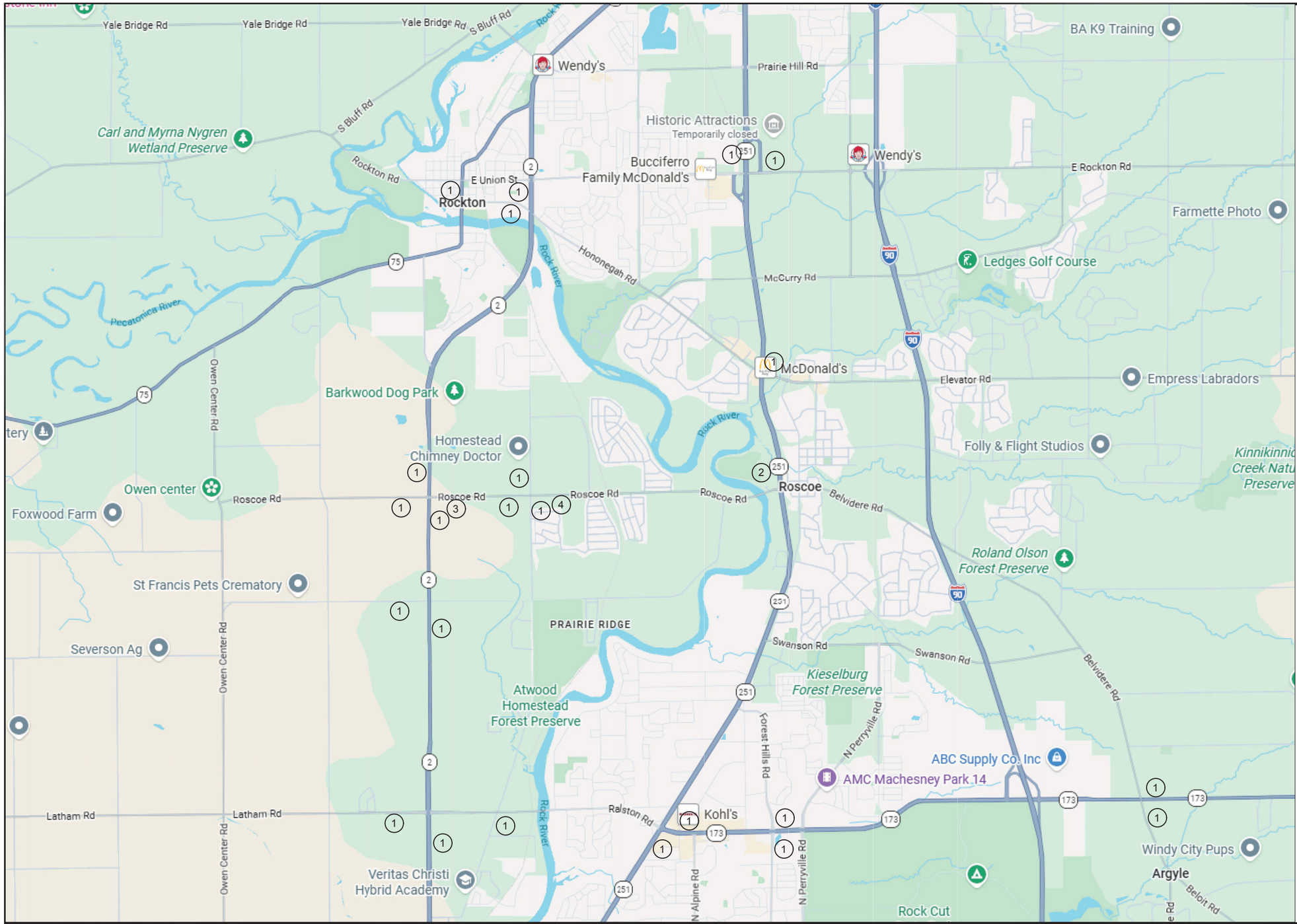
File Name: 24007592-DETOUR.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026



SIGN LEGEND

1	Roscoe Rd	36" X 24"	23 EACH
	CLOSED AT ROCK RIVER BRIDGE	36" X 36"	23 EACH
2	ROAD CLOSED AHEAD		1 EACH
3	ROAD CLOSED 3 MILES AHEAD		1 EACH
4	ROAD CLOSED 2 MILES AHEAD		1 EACH

REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

ADVANCED SIGN PLACEMENT

IMEG Project No: 24007592.00

12

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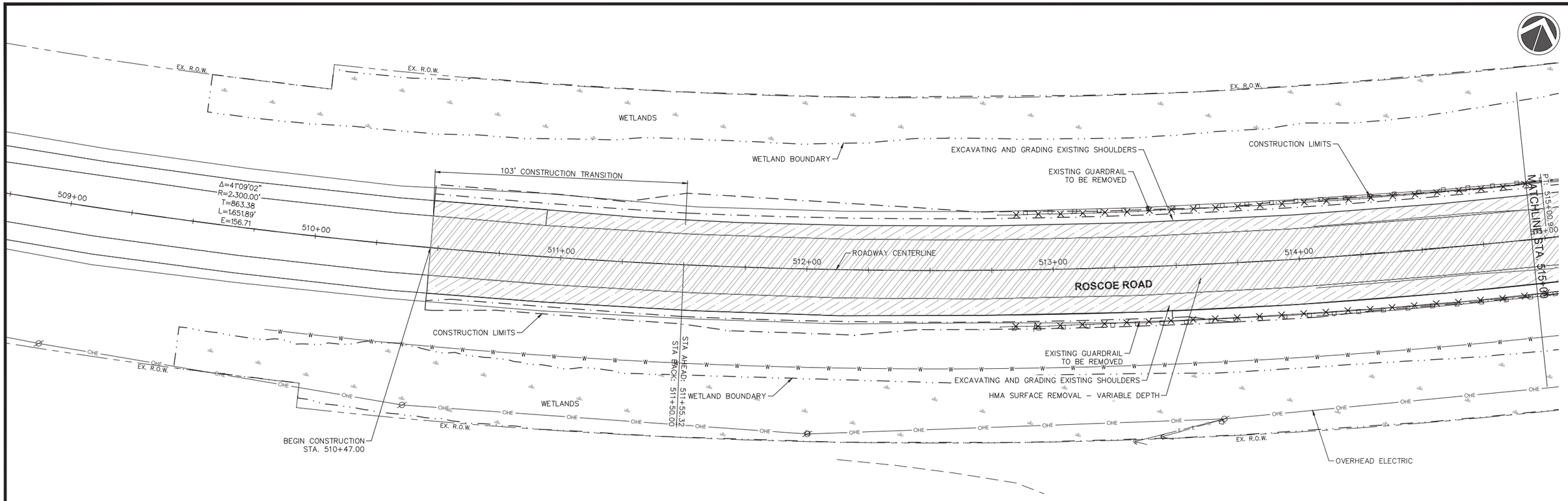
File Name: 24007592-DETOUR.dwg

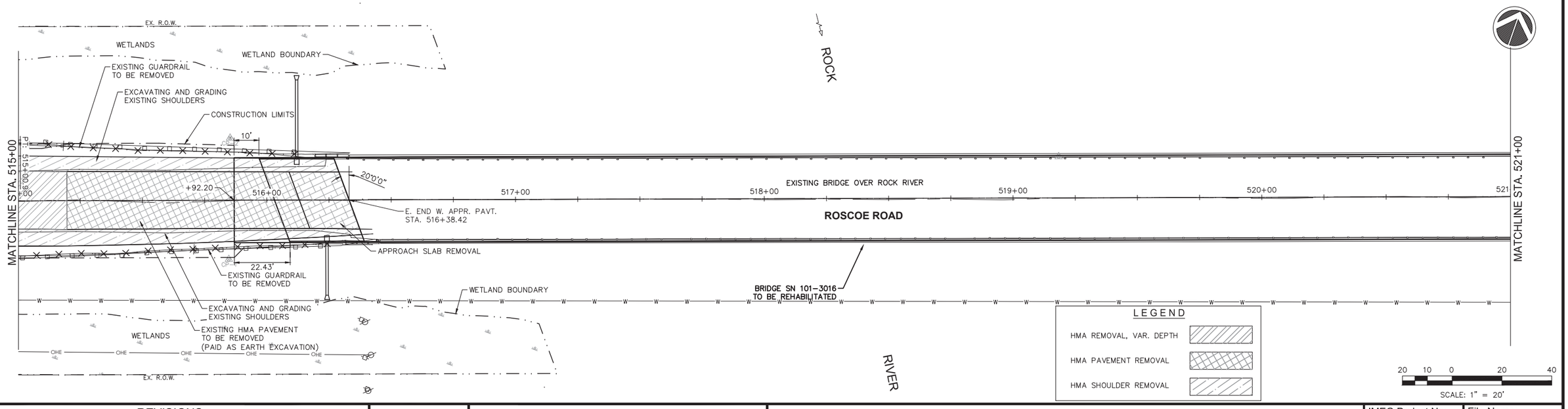
Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026





REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

REMOVAL PLANS

IMEG Project No: 24007592.00

13

Sheet 13 of 55

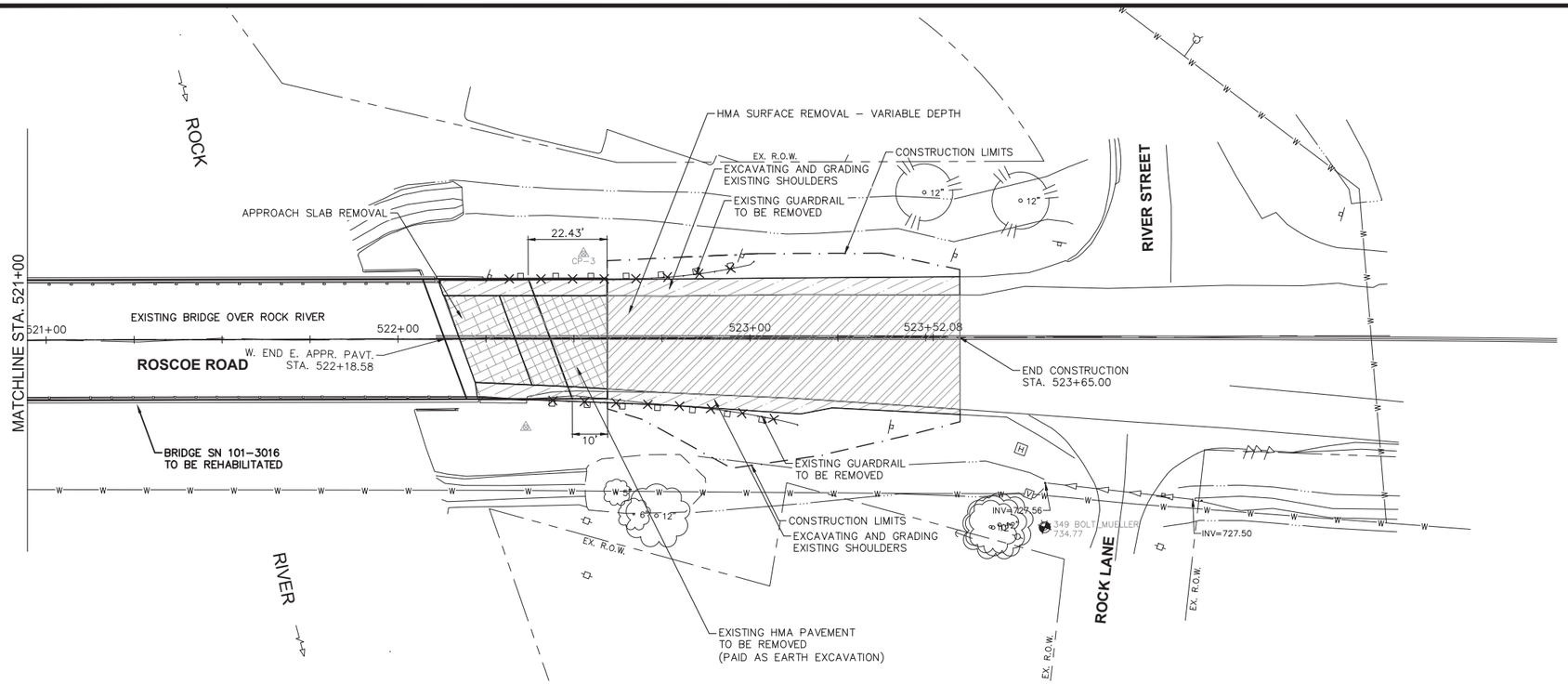
File Name: 24007592-REMOVAL.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026



20 10 0 20 40

SCALE: 1" = 20'

LEGEND

- HMA REMOVAL, VAR. DEPTH
- HMA PAVEMENT REMOVAL
- HMA SHOULDER REMOVAL

REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

REMOVAL PLANS

IMEG Project No: 24007592.00

14

Sheet 14 of 55

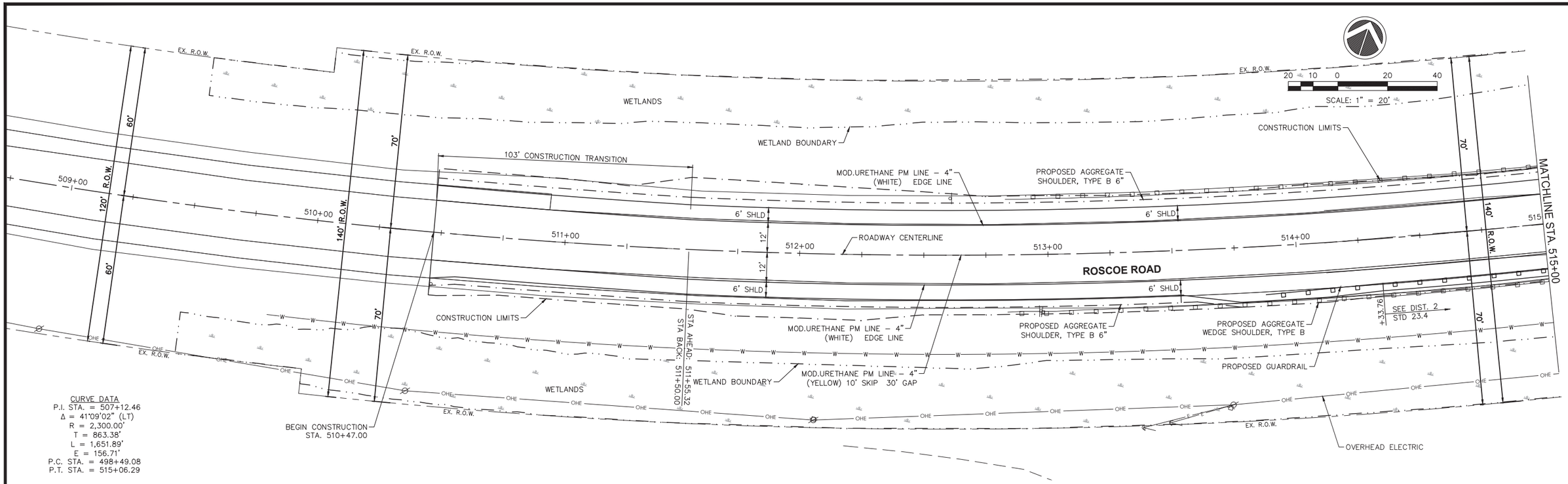
File Name: 24007592-REMOVAL.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

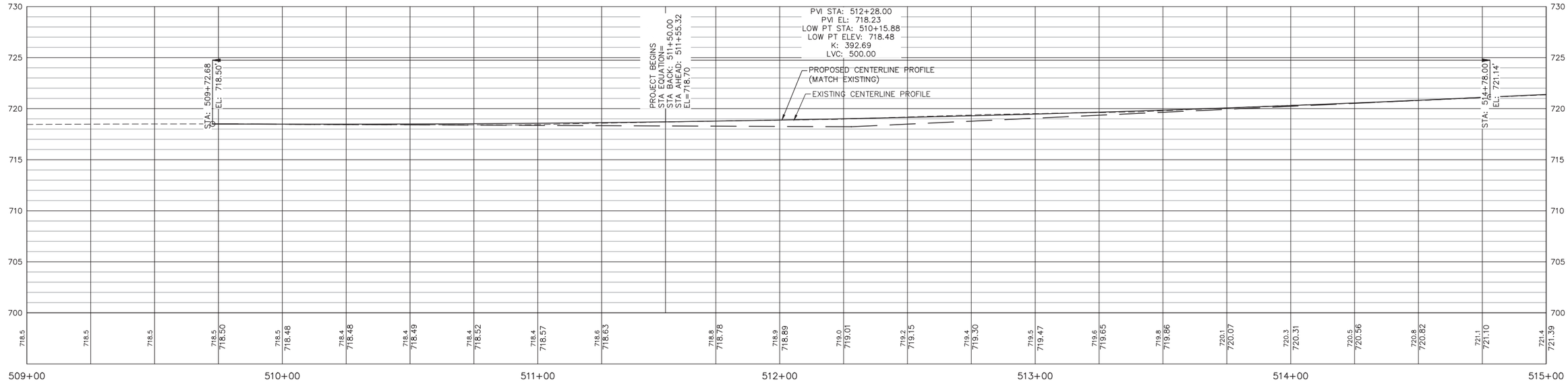
Date: 02/23/2026



CURVE DATA
P.I. STA. = 507+12.46
Δ = 41°09'02" (LT)
R = 2,300.00'
T = 863.38'
L = 1,651.89'
E = 156.71'
P.C. STA. = 498+49.08
P.T. STA. = 515+06.29

BEGIN CONSTRUCTION
STA. 510+47.00

PROFILE VIEW OF ROSCOE ROAD
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'



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PH: 815.965.6400
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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

ROADWAY PLAN & PROFILE

IMEG Project No: 24007592.00	File Name: 24007592-PLANPROF.dwg
15	Field Book No: 368
Sheet 15 of 55	Drawn By: PJP
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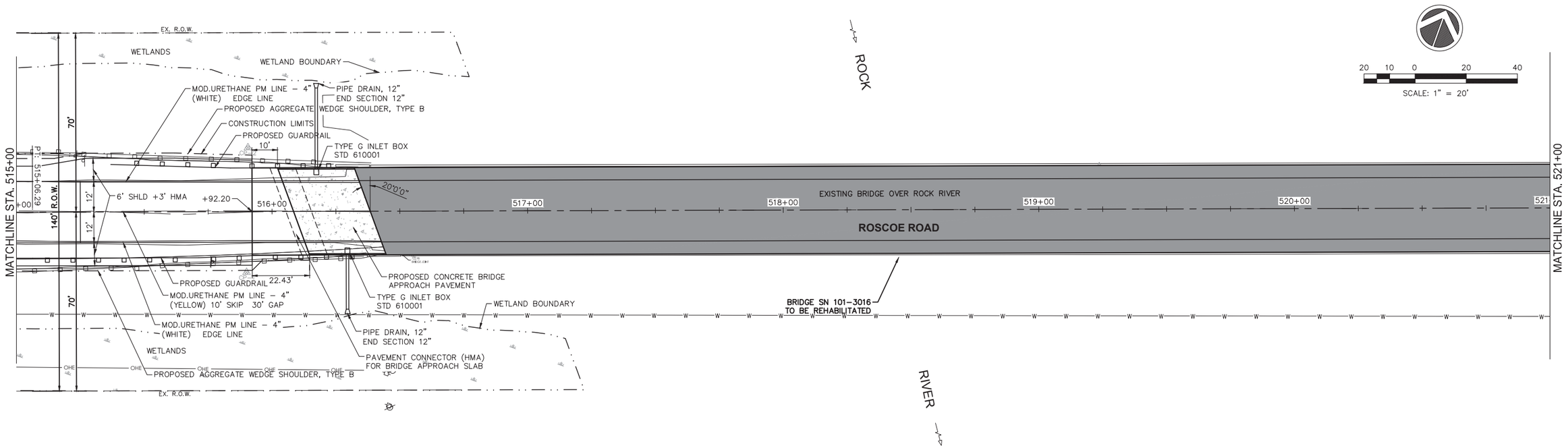
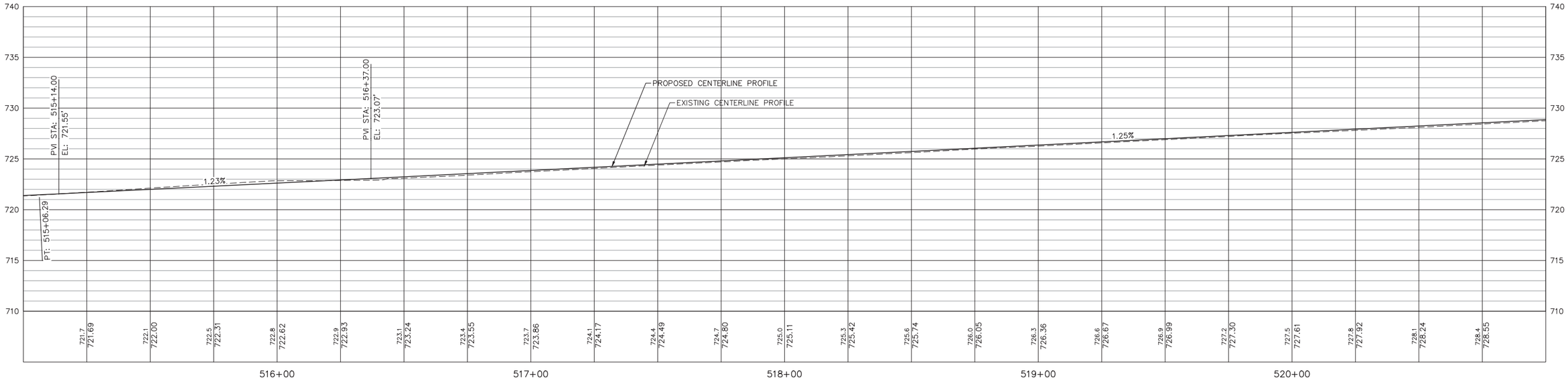


PROFILE VIEW OF ROSCOE ROAD
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'



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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

ROADWAY PLAN & PROFILE

IMEG Project No: 24007592.00

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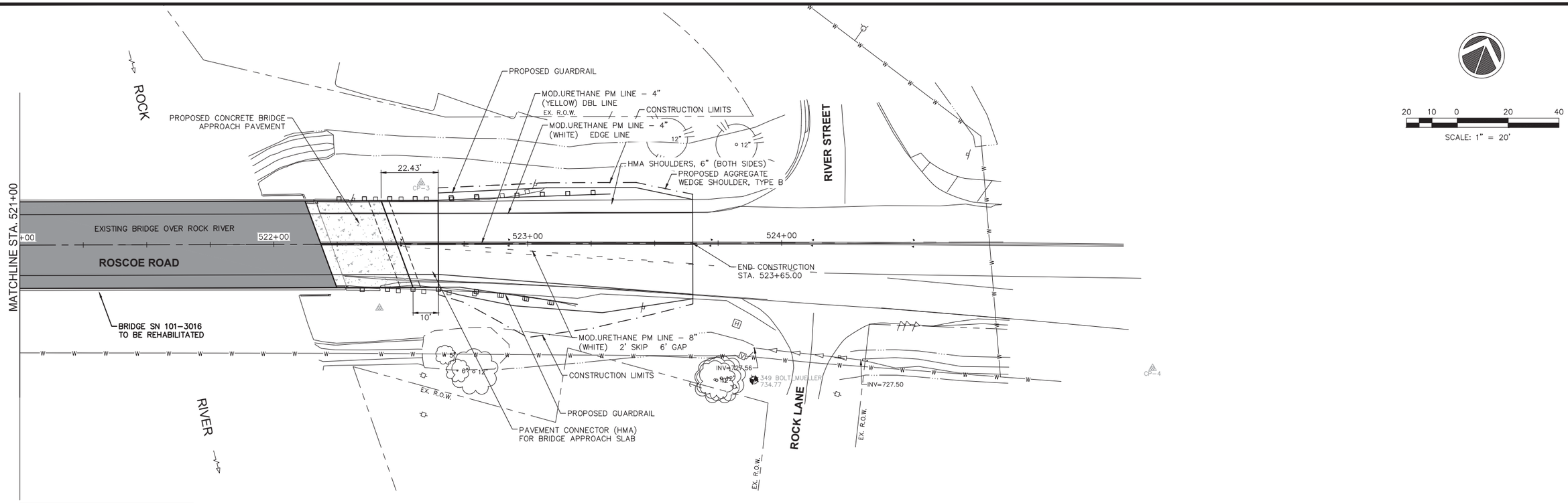
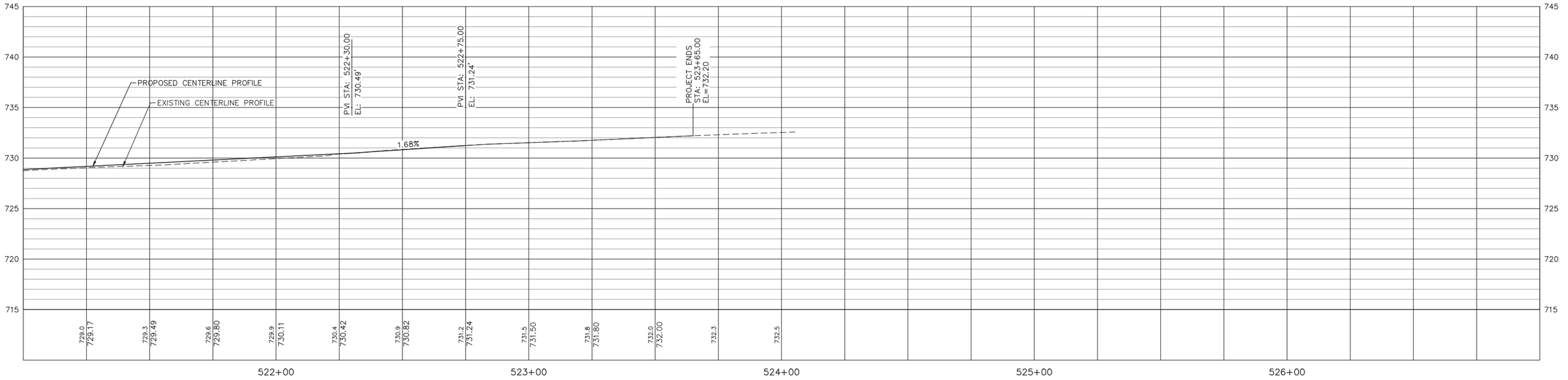


PROFILE VIEW OF ROSCOE ROAD
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'



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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

ROADWAY PLAN & PROFILE

IMEG Project No: 24007592.00

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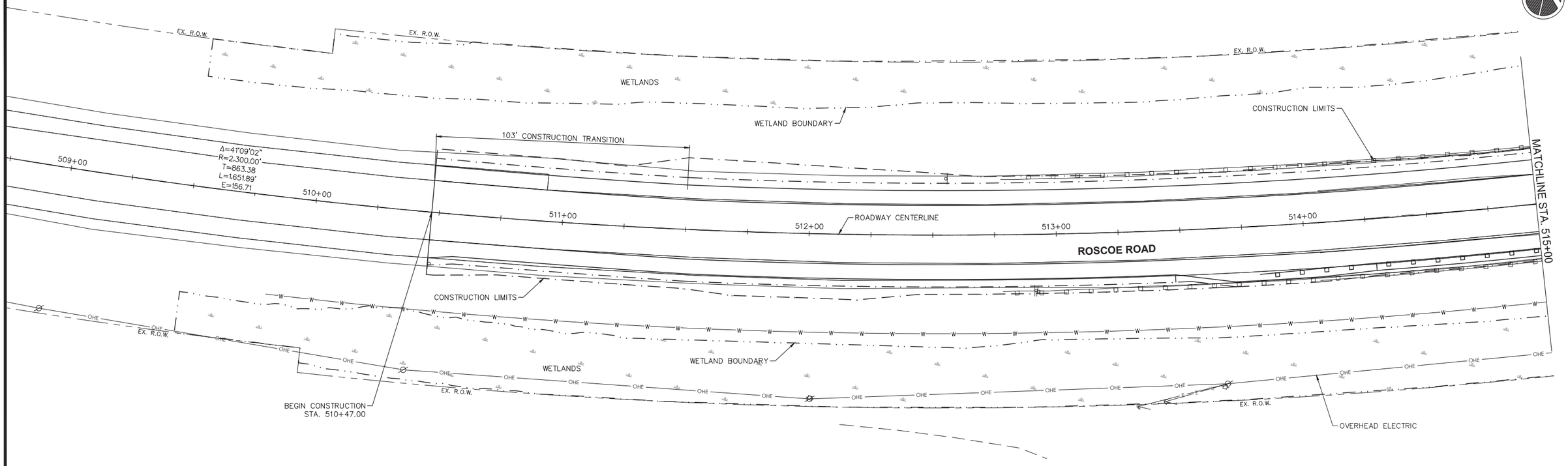

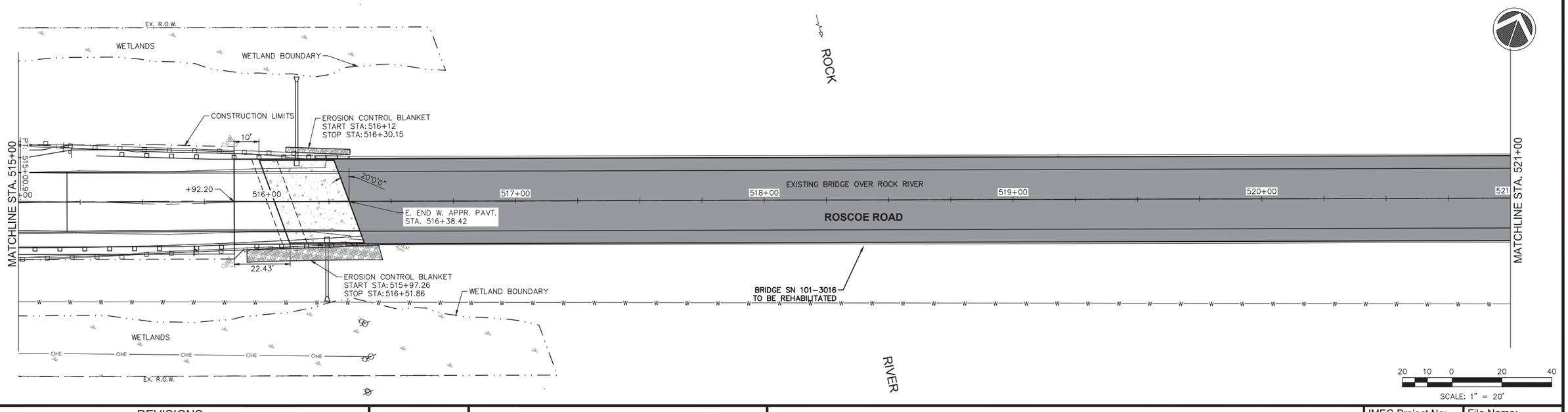

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

EROSION CONTROL PLAN

IMEG Project No: 24007592.00

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File Name: 24007592-EROSION.dwg

Field Book No: 368

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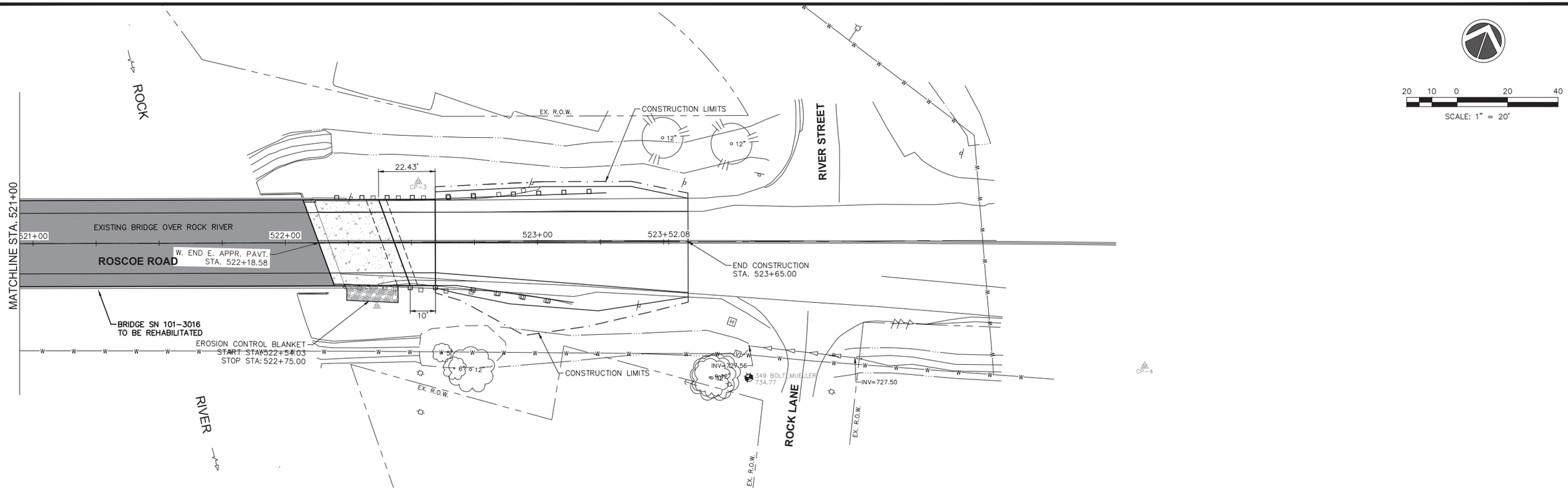

20 10 0 20 40

SCALE: 1" = 20'

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2A SHALL BE USED IN ALL AREAS.
2. FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS.
3. EROSION CONTROL BLANKET SHALL BE PLACED ON ALL DISTURBED AREAS AS SHOWN ON THIS EROSION CONTROL PLAN AND IN ACCORDANCE WITH SECTION 251 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

LEGEND

EROSION CONTROL BLANKET

SEEDING CLASS 2A

REVISIONS		
DATE	DESCRIPTION	No.

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

EROSION CONTROL PLAN

IMEG Project No: 24007592.00

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File Name: 24007592-EROSION.dwg

Field Book No: 368

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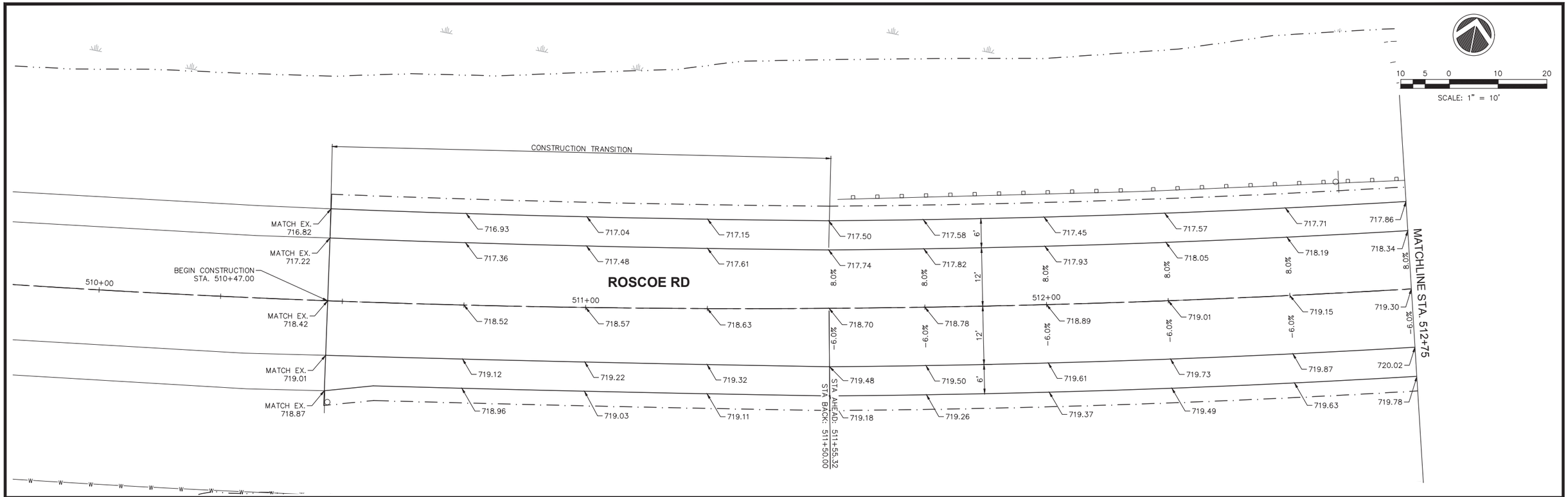
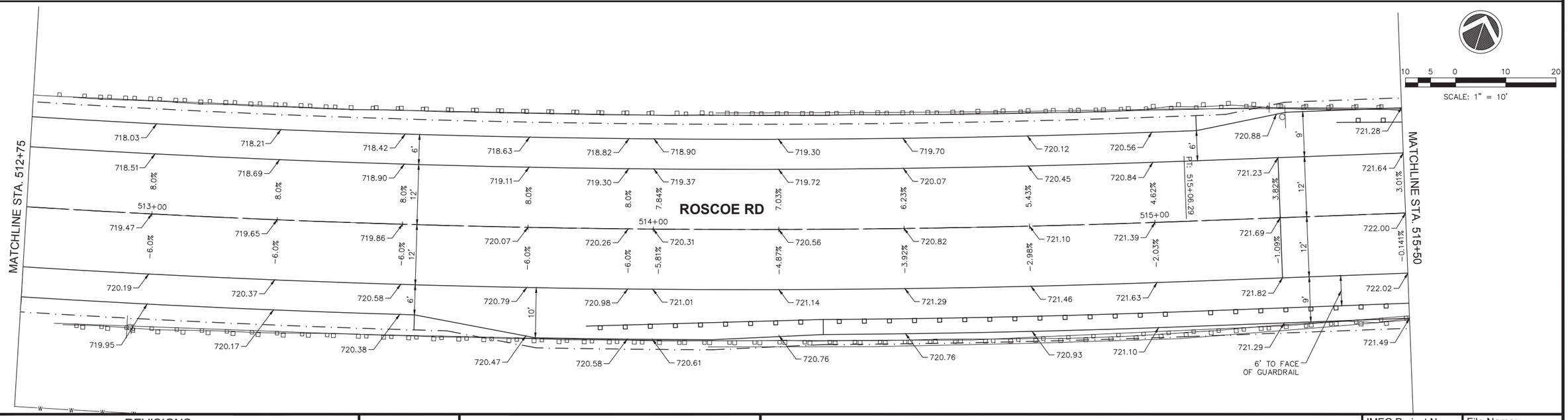
Date: 02/23/2026





REVISIONS		
DATE	DESCRIPTION	No.

IMEG

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

ROADWAY DETAILS - SUPERELEVATION DETAILS

IMEG Project No: 24007592.00	File Name: 24007592-ELEVATION PLAN.dwg
20	Field Book No: 368
	Drawn By: PJP
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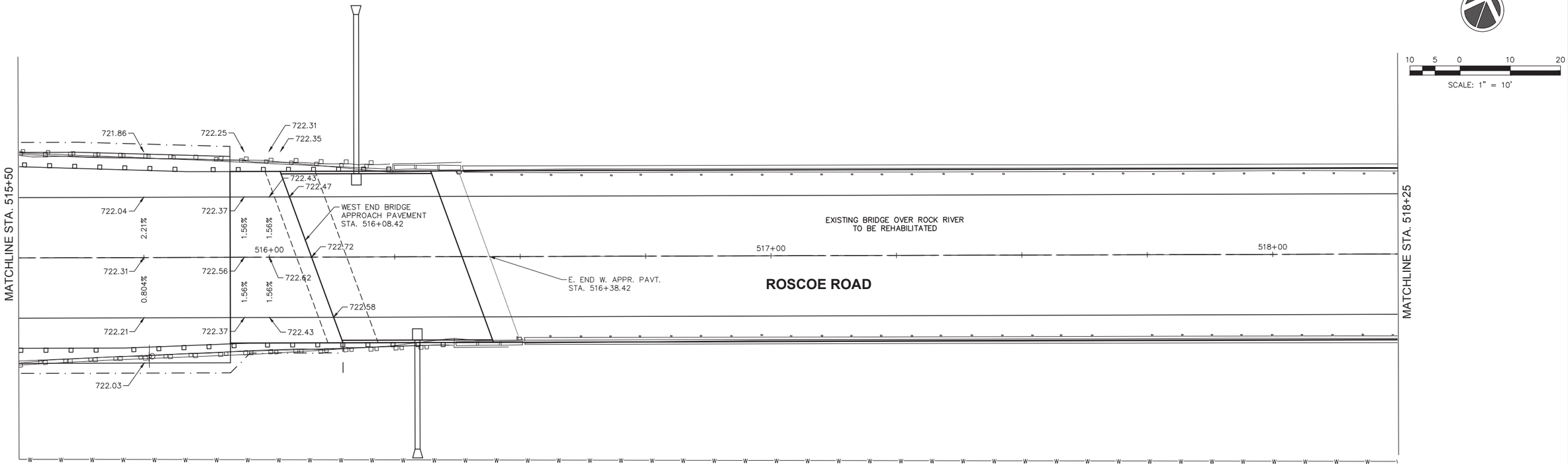

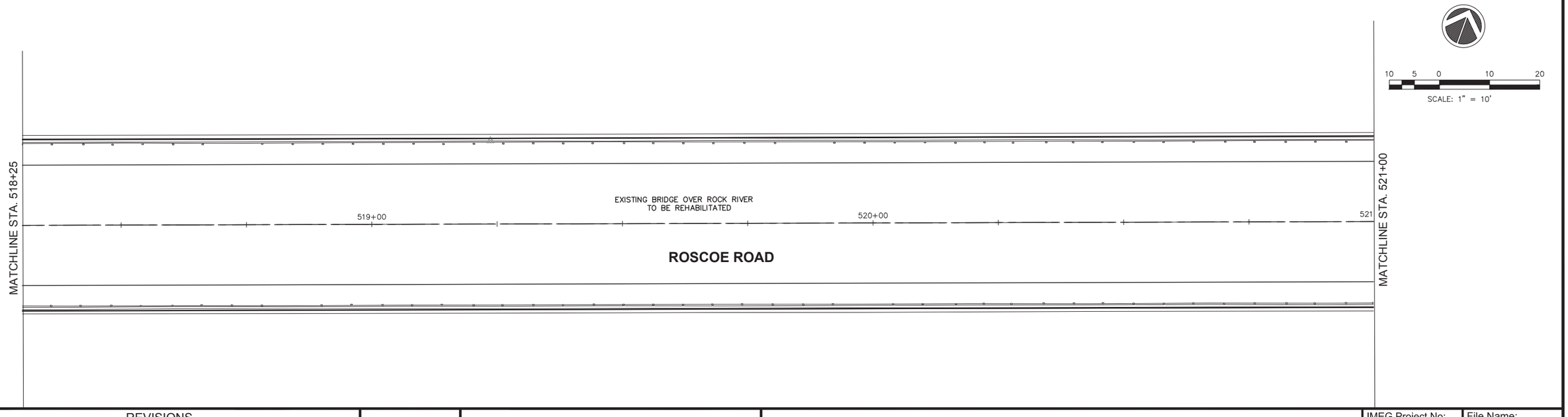

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

ROADWAY DETAILS - SUPERELEVATION DETAILS

IMEG Project No: 24007592.00

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File Name: 24007592-ELEVATION PLAN.dwg

Field Book No: 368

Drawn By: PJP

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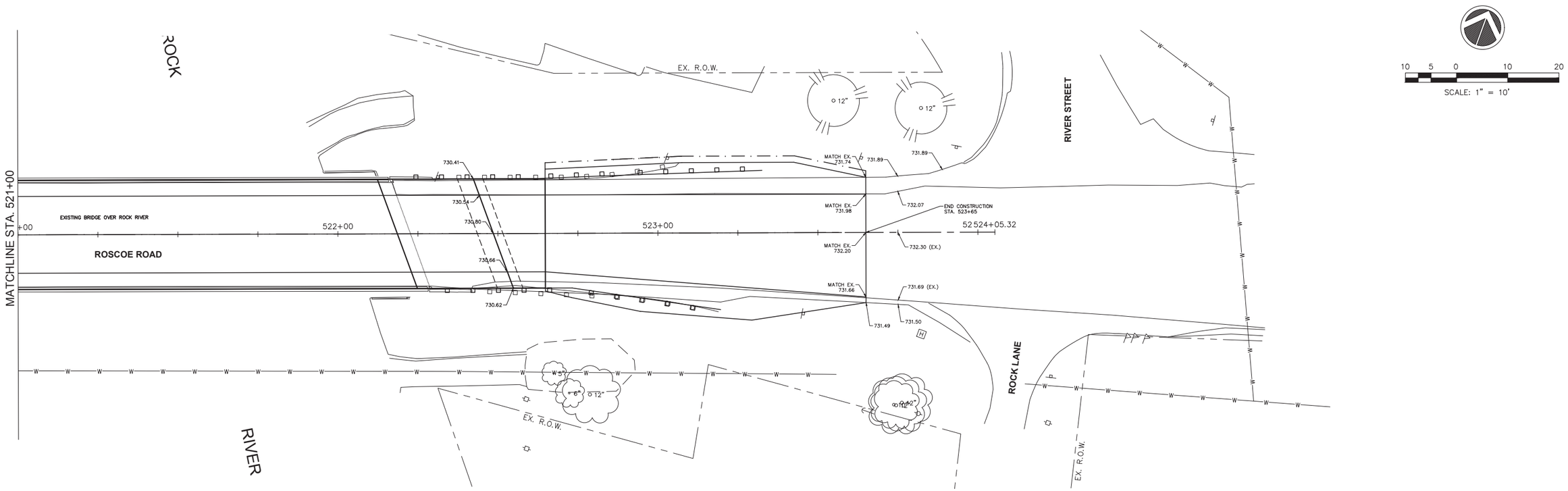
Date: 02/23/2026



REVISIONS		
DATE	DESCRIPTION	No.

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

ROADWAY DETAILS - SUPERELEVATION DETAILS

IMEG Project No: 24007592.00

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File Name: 24007592-ELEVATION PLAN.dwg

Field Book No: 368

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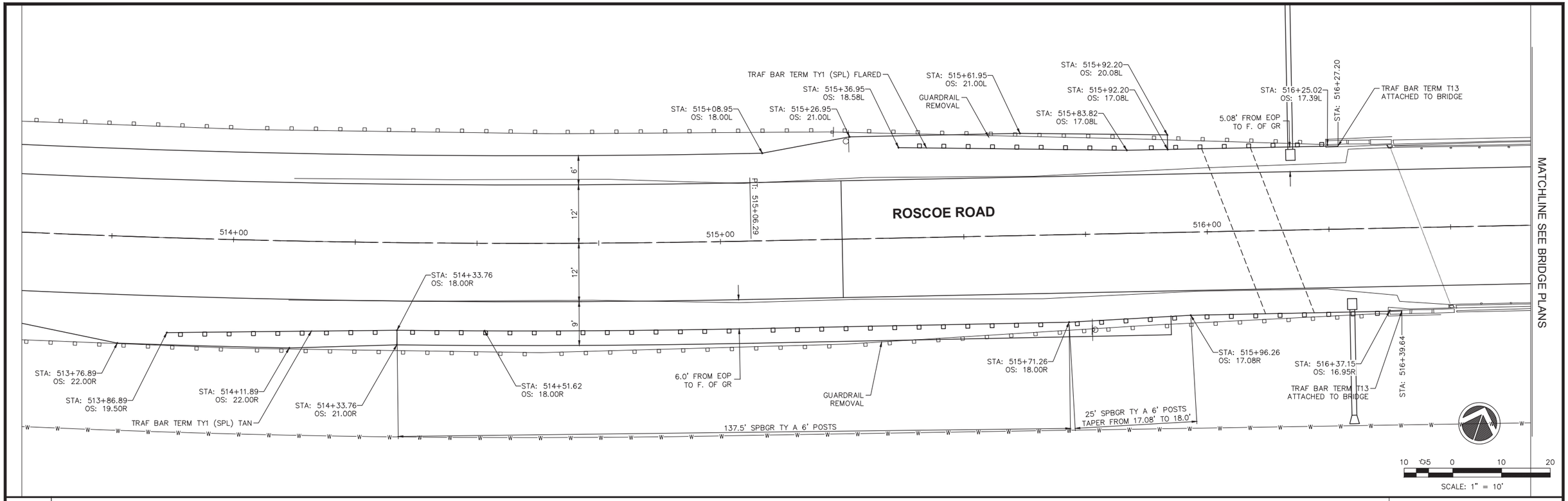

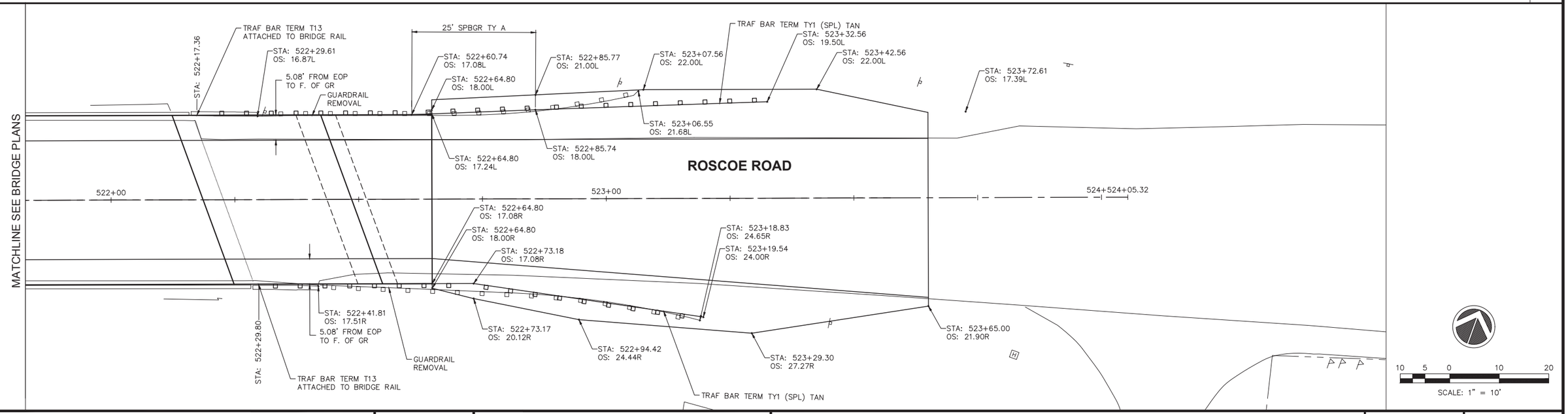

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

GUARDRAIL PLAN

IMEG Project No: 24007592.00	File Name: 24007592-GUARDRAIL PLAN.dwg
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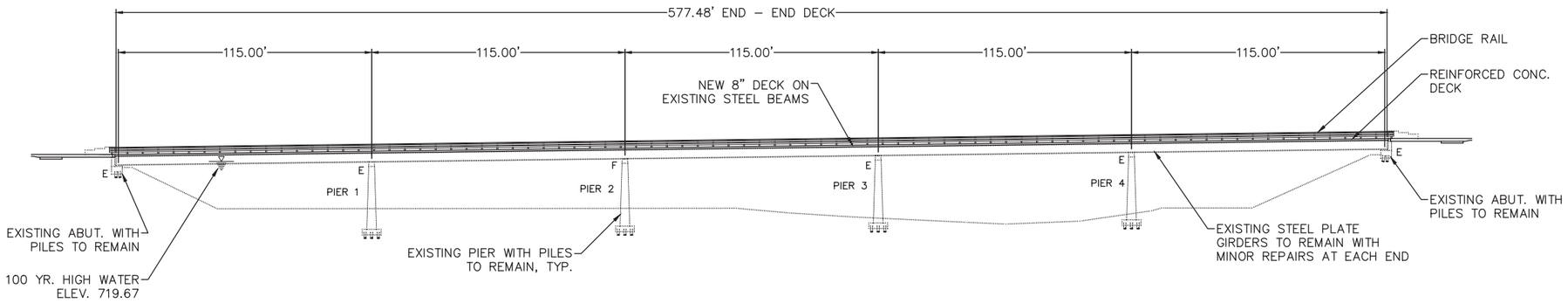
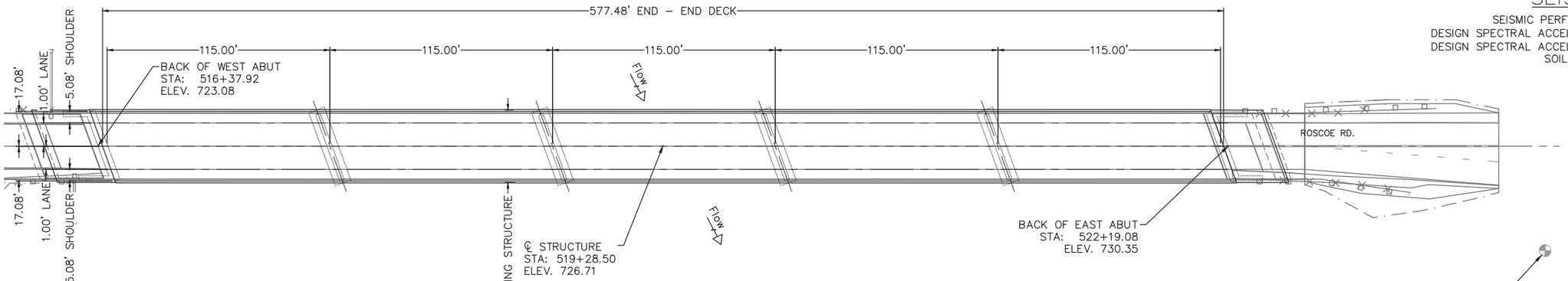
	Checked By: ECM
	Date: 02/23/2026

B.M. BENCHMARK: 1 – BOLT ON SE OF EB ROSCOE ROAD BRIDGE
STA. 523+83.63, 53.98 FT RT OF C.L. ROSCOE ROAD, ELEV. = 734.77

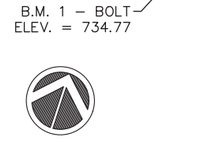


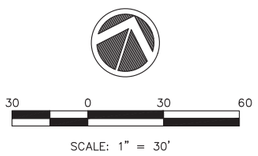
ELEVATION VIEW

(LOOKING NORTH)



PLAN VIEW





DESIGN SPECIFICATIONS

2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION

DESIGN STRESSES

FIELD UNITS

f'c = 4,000 psi (Superstructure)
f'c = 3,500 psi (Substructure)
fy = 60,000 (Reinforcement)

HIGHWAY CLASSIFICATION

ROSCOE RD. OVER ROCK RIVER
FUNCTIONAL CLASS: MINOR ARTERIAL
ADT (CURRENT/DESIGN): 10,700 (2023) / 15,070 (2046)
DHV: 1070
DESIGN SPEED: 55/40 M.P.H.
POSTED SPEED: 55/40 M.P.H.
TWO–WAY TRAFFIC
DIRECTIONAL DISTRIBUTION: 50:50

LOADING HS20–44

ALLOW 18#/SQ. FT. FUTURE WEARING SURFACE

SEISMIC DATA

SEISMIC PERFORMANCE ZONE (SPZ) = 1
DESIGN SPECTRAL ACCELERATION AT 1.0 SEC. (SD1) = 0.09g
DESIGN SPECTRAL ACCELERATION AT 0.2 SEC. (SDS) = 0.11g
SOIL SITE CLASS = D

INDEX OF SHEETS

S–1	GENERAL PLAN AND ELEVATION
S–2	GENERAL NOTES & TOTAL BILL OF MATERIAL
S–3	GENERAL NOTES
S–4	TOP OF DECK ELEVATIONS – PLAN
S–5	TOP OF DECK ELEVATIONS
S–6	TOP OF DECK ELEVATIONS
S–7	APPROACH TOP OF SLAB ELEVATIONS
S–8	DECK PLAN AND CROSS SECTION
S–9	SUPERSTRUCTURE DETAILS
S–10	BRIDGE APPROACH SLAB PLANS
S–11	BRIDGE APPROACH SLAB DETAILS
S–12	RAILING DETAILS
S–13	RAILING DETAILS
S–14	RAILING DETAILS
S–15	RAILING DETAILS
S–16	SHEAR STUD PLAN & BEAM REPAIR
S–17	JOINT DETAILS
S–18	BEARING TYPE II

DESIGN SCOUR ELEVATION TABLE

EVENT / LIMIT STATE	DESIGN SCOUR ELEVATIONS (FT.) WEST ABUT.	PIER	EAST ABUT.	ITEM 113
Q100	716.25	673.70	723.25	5
Q200	716.25	673.12	723.25	
DESIGN	716.25	674.59	723.25	
CHECK	716.25	673.12	723.25	

WATERWAY INFORMATION

DRAINAGE AREA = 6450 SQ. MI.
EXIST. LOW GRADE ELEV. 718 AT STA. 516+34.33
PROP. LOW GRADE ELEV. 718 AT STA. 516+34.33

FLOOD YR.	FREQ.	Q. C.F.S.	OPENING SQ. FT. EXIST.	OPENING SQ. FT. PROP.	NAT. H.W.E.	HEAD – FT. EXIST.	HEAD – FT. PROP.	HEADWATER ELEV. EXIST.	HEADWATER ELEV. PROP.
TEN–YEAR	10	25000	7930	7930	716.13	0.03	0.03	716.16	716.16
DESIGN	50	33300	10633	10633	718.62	0.16	0.16	718.78	718.78
BASE	100	36600	13967	13967	719.50	0.17	0.17	719.67	719.67
SCOUR CHECK	200	38450	16263	16263	720.08	0.17	0.17	720.25	720.25
MAX. CALC.	500	44000	22645	22645	721.42	0.18	0.18	721.60	721.60

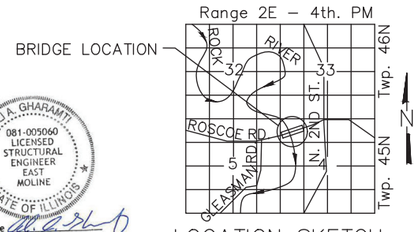
ROCK RIVER
BUILT 2026 BY
WINNEBEGO COUNTY
SECTION 18–00661–00–BR
FAU 9884 STATION 519+28.50
STRUCTURE NO. 101–3016
LOADING HS20–44

NAME PLATE LETTERING

SEE STANDARD 515001

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

ALI A. GHARAMTI
081-005060
LICENSED STRUCTURAL ENGINEER
EAST MOLINE
STATE OF ILLINOIS
Signature
Date 2/20/26
Exp. Date 11/30/26



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ROSCOE RD. (FAU 9884) OVER ROCK RIVER
WINNEBAGO COUNTY
STATION 519+28.50
SECTION 18–00661–00–BR
STRUCTURE NO. 101–3016

STRUCTURAL SHEET NO. 1 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION
ROSCOE, ILLINOIS
GENERAL PLAN AND ELEVATION

IMEG Project No: 24007592.00	File Name: 24007592-DECK.dwg
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EXISTING STRUCTURE:
SN 101–3016 WAS BUILT IN 1967 ON ROSCOE ROAD UNDER SECTION 142–B–CF. THE EXISTING STRUCTURE IS A FIVE SPAN CONTINUOUS FABRICATED STEEL GIRDER BRIDGE WITH SPILL THROUGH ABUTMENTS AND SOLID WALL PIERS ON PILES. THE PILES FOR THE ABUTMENTS ARE CONCRETE AND UNTREATED WOOD PILES FOR THE PIERS. THE TOTAL STRUCTURE LENGTH IS 581'–2" BACK–TO–BACK OF ABUTMENTS AND AN OUT–TO–OUT WIDTH OF 36'–0". THE SUPERSTRUCTURE CONSISTS OF FIVE FABRICATED STEEL GIRDERS SUPPORTING A 7–1/2" THICK SLAB. THE BRIDGE IS LOCATED ON A TANGENT ALIGNMENT, AND THE SUBSTRUCTURES ARE A 20° SKEW RIGHT. THE BRIDGE LANES CONSIST OF TWO LANES (ONE EASTBOUND AND ONE WESTBOUND). THE EXISTING CONCRETE DECK, PARAPET AND RAILING TO BE REMOVED AND REPLACED.

CONSTRUCTION IS TO BE PERFORMED UNDER ROAD CLOSURE.

NO SALVAGE.

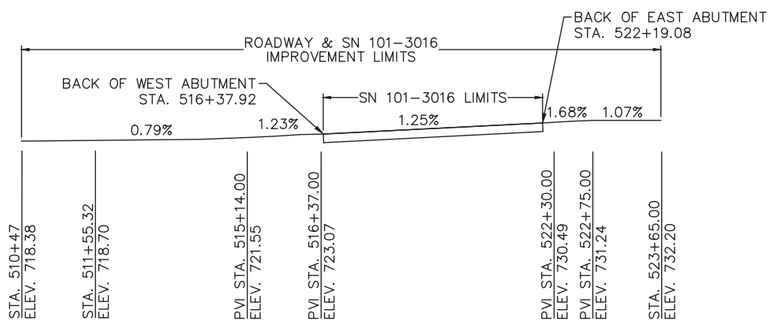
PROPOSED STRUCTURE:
THE PROPOSED STRUCTURE 101–3016 WILL BE AN 8" THICK REINFORCED CONCRETE DECK ON EXISTING FIVE SPAN CONTINUOUS FABRICATED STEEL GIRDER BRIDGE WITH EXISTING SPILL THROUGH ABUTMENTS AND EXISTING SOLID WALL PIERS ON PILES. THE CENTERLINE–TO–CENTERLINE LENGTH IS 575'–0" AND AN OUT–TO–OUT WIDTH OF 34'–2". THE EXISTING FABRICATED STEEL GIRDER ARE LOCATED ON A TANGENT ALIGNMENT, AND THE EXISTING SUBSTRUCTURES ARE A 20° SKEW RIGHT. THE BRIDGE LANES CONSIST OF TWO 12' LANES (ONE EASTBOUND AND ONE WESTBOUND) AND 5'–1" SHOULDERS ON EACH SIDE. THE STRUCTURE WILL BE PROVIDED WITH STEEL RAILING TYPE IL–OH R–40BD ON EACH SIDE.

CONSTRUCTION SPECIFICATIONS

1. ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022 AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2026

ABBREVIATIONS

ø — Diameter	N.B. — North Bound
Abut. — Abutment	P.G.L. — Profile Grade Line
Appr. — Approach	P.J.F. — Preformed Joint Filler
Brg. — Bearing	P.V.C. — Point of Verticle Curvature
Bot. — Bottom	P.V.I. — Point of Verticle Intersection
Bk. — Back	P.V.T. — Point of Verticle Tangency
Cl. — Clearance	Prop./Pr. — Proposed
□ — Centerline	Rd. — Road
Const. Jnt. — Construction Joint	Rt. — Right
Cts. — Centers	S. — South
Ea. — Each	S.B. — South Bound
E. — East	Shld. — Shoulder
Elev. — Elevation	Std. — Standard
Exist./Ex. — Existing	Temp. — Temporary
Lt. — Left	Thru. — Through
Max. — Maximum	Typ. — Typical
Min. — Minimum	U.N.O. — Unless Noted Otherwise
N. — North	W. — West



PROFILE GRADE
(ALONG ℄ OF ROSCOE RD.)

BRIDGE TOTAL BILL OF MATERIALS

PAY ITEM NUMBER	DESCRIPTION	UNIT	SUPER	SUB	TOTAL
50104000	BRIDGE RAIL REMOVAL	FOOT	1,156		1,156
50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	1		1
50300225	CONCRETE STRUCTURES	CU YD	21		21
50300255	CONCRETE SUPERSTRUCTURE	CU YD	551		551
50300260	BRIDGE DECK GROOVING	SQ YD	2,064		2,064
50300300	PROTECTIVE COAT	SQ YD	2,193		2,193
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	100		100
50500505	STUD SHEAR CONNECTORS	EACH	7,040		7,040
50606701	CLEANING AND PAINTING STRUCTURAL STEEL	L SUM	1		1
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	222,220		222,220
50900211	STEEL RAILING, TYPE IL–OH	FOOT	1,192		1,192
51500100	NAME PLATES	EACH	1		1
52000212	FINGER PLATE EXPANSION JOINT, 4"	FOOT	72.8		72.8
52100020	ELASTROMERIC BEARING ASSEMBLY TYPE II	EACH	10		10
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT		30	30
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	10		10
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES	L SUM	1		1

GENERAL DATA
ROSCOE RD. (FAU 9884) OVER ROCK RIVER
WINNEBAGO COUNTY
STATION 519+28.50
SECTION 18–00661–00–BR
STRUCTURE NO. 101–3016

STRUCTURAL SHEET NO. 2 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION
ROSCOE, ILLINOIS
GENERAL NOTES & TOTAL BILL OF MATERIAL

IMEG Project No: 24007592.00
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GENERAL NOTES:

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

2. FASTENERS SHALL BE ASTM F 3125 GRADE A325 TYPE 1, MECHANICALLY GALVANIZED BOLTS IN PAINTED AREAS. BOLTS $\frac{7}{8}$" DIAMETER, HOLES $\frac{15}{16}$" DIAMETER, UNLESS OTHERWISE NOTED.

3. ALL NEW STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH AN INORGANIC ZINC RICH PRIMER PER AASHTO M300, TYPE 1.

4. NO FIELD WELDING IS PERMITTED EXCEPT AS SPECIFIED IN THE CONTRACT DOCUMENTS.

5. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

6. EXISTING REINFORCEMENT SHALL BE CLEANED, STRAIGHTENED, AND INCORPORATED INTO THE NEW CONSTRUCTION. COST INCLUDED IN CONCRETE REMOVAL OR PARAPET REMOVAL.

7. THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO ADDRESS THE PRESENCE OF LEAD ON THIS PROJECT.

8. THE EXISTING BEARSINGS CONTAIN LEAD PLATES. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THE PROJECT.

9. PRIOR TO POURING THE NEW CONCRETE DECK, ALL HEAVY OR LOOSE RUST, LOOSE MILL SCALE, AND OTHER LOOSE DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES IN CONTACT WITH CONCRETE (SSPC–SP3 STANDARDS). TIGHTLY ADHERED PAINT MAY REMAIN UNLESS OTHERWISE NOTED. REMOVAL SHALL BE ACCOMPLISHED BY METHODS THAT WILL NOT DAMAGE THE STEEL AND THE COST WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

12. AS DIRECTED BY THE ENGINEER, EXISTING CONSTRUCTION ACCESSORIES WELDED TO THE TOP FLANGE OF THE BEAMS AND GIRDER SHALL BE REMOVED. THE WELD AREAS SHALL BE GROUND FLUSH AND INSPECTED FOR CRACKS USING MAGNETIC PARTICLE TESTING (MT) OR DYE PENETRANT TESTING (PT) BY QUALIFIED PERSONNEL APPROVED BY THE ENGINEER. ANY CRACKS THAT CANNOT BE REMOVED BY GRINDING 1/4" DEEP SHALL BE IDENTIFIED AND REPORTED TO THE BUREAU OF BRIDGES & STRUCTURES FOR FURTHER DISPOSITION. THE COST OF REMOVING WELDED ACCESSORIES, GRINDING AND INSPECTING WELD AREAS AND GRINDING CRACKS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

13. WHEN THE DECK POUR IS STOPPED FOR THE DAY AT ONE OR MORE OF THE TRANSVERSE BONDED CONSTRUCTION JOINTS IN THE DECK POURING SEQUENCE AS SHOWN, THE NEXT POUR SHALL NOT BE MADE UNTIL BOTH OF THE FOLLOWING ARE MET:

13.1. AT LEAST 72 HOURS SHALL HAVE ELAPSED FROM THE END OF THE PREVIOUS POUR.

13.2. THE CONCRETE STRENGTH SHALL HAVE ATTAINED A MINIMUM FLEXURAL STRENGTH OF 675 PSI OR A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI

14. FINGER PLATE EXPANSION JOINTS SHALL BE ASSEMBLED IN THEIR FINAL RELATIVE POSITION WITH ENDS IN PLACE FOR SHOP INSPECTION AND ACCEPTANCE.

15. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL WITHIN 10 FT. (MEASURED ALONG THE BEAM) OF EITHER SIDE OF THE DECK JOINTS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING – SSPC – SP10. THE EXTERIOR SURFACES AND BOTTOM OF THE BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE CLEANED PER COMMERCIAL GRADE POWER TOOL CLEANING – SSPC – SP15.

16. THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING AND PER COMMERCIAL GRADE POWER TOOL CLEANING SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF SP 10. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO, 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE GRAY, MUNSHELL NO. 5B 7/1.

17. AIR MONITOR(S) WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES.

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ROCKFORD, IL 61104
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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

GENERAL NOTES

IMEG Project No: 24007592.00

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Sheet 26 of 55

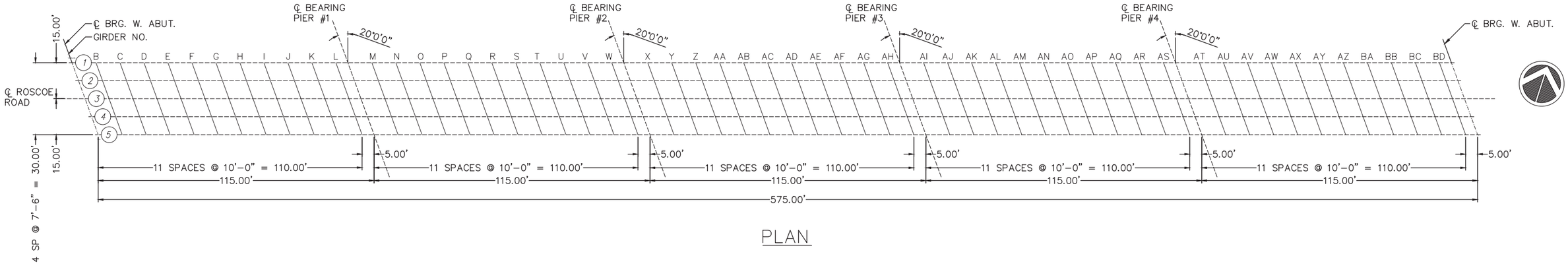
File Name: 24007592-DECK.dwg

Field Book No: 368

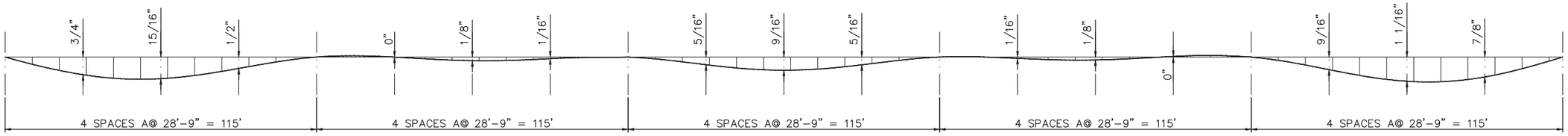
Drawn By: PJP

Checked By: ECM

Date: 02/23/2026



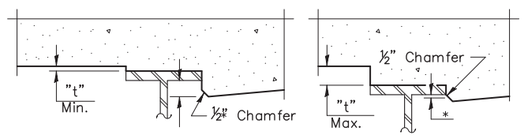
PLAN



DEAD LOAD DEFLECTION DIAGRAM

(INCLUDES WEIGHT OF CONCRETE ONLY)

NOTE:
THE ABOVE DEFLECTIONS ARE NOT TO BE USED IN THE FIELD IF THE ENGINEER IS WORKING FROM THE GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTIONS AS SHOWN IN THE TABLES.



At Minimum Fillet At Maximum Fillet

*Variable (Not less than ¼")

EXTERIOR BEAMS

METHOD OF DETERMINING FILLET HEIGHTS "t"

TO DETERMINE "T": EXISTING ELEVATIONS OF THE TOP FLANGES OF THE BEAMS SHALL BE TAKEN AT INTERVALS SHOWN ON THE PLAN ABOVE . THESE ELEVATIONS SUBTRACTED FROM THE "THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION" SHOWN ON THE PLANS, MINUS SLAB THICKNESS, EQUALS THE FILLET HEIGHTS "T" ABOVE TOP FLANGE OF BEAMS.

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

TOP OF DECK ELEVATIONS - PLAN

IMEG Project No: 24007592.00	File Name: 24007592-DECK.dwg
27	Field Book No: 368
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Sheet 27 of 55	Checked By: ECM
	Date: 02/23/2026

BEAM NO. 1

LOCATION	STATION	OFFSET (FT.)	CL GRADE	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	516+32.460	−15.00	723.02	722.770	722.770
C/L BRG. W. ABUT	516+35.360	−15.00	723.05	722.800	722.800
B	516+45.360	−15.00	723.18	722.930	722.967
C	516+55.360	−15.00	723.30	723.050	723.123
D	516+65.360	−15.00	723.43	723.180	723.279
E	516+75.360	−15.00	723.55	723.300	723.415
F	516+85.360	−15.00	723.68	723.430	723.551
G	516+95.360	−15.00	723.80	723.550	723.665
H	517+05.360	−15.00	723.93	723.680	723.780
I	517+15.360	−15.00	724.05	723.800	723.878
J	517+25.360	−15.00	724.18	723.930	723.982
K	517+35.360	−15.00	724.30	724.050	724.077
L	517+45.360	−15.00	724.43	724.180	724.187
C/L PIER NO. 1	517+50.360	−15.00	724.49	724.240	724.240
M	517+60.360	−15.00	724.62	724.370	724.364
N	517+70.360	−15.00	724.74	724.490	724.485
O	517+80.360	−15.00	724.87	724.620	724.621
P	517+90.360	−15.00	724.99	724.740	724.749
Q	518+00.360	−15.00	725.12	724.870	724.886
R	518+10.360	−15.00	725.24	724.990	725.009
S	518+20.360	−15.00	725.37	725.120	725.138
T	518+30.360	−15.00	725.49	725.240	725.253
U	518+40.360	−15.00	725.62	725.370	725.375
V	518+50.360	−15.00	725.74	725.490	725.490
W	518+60.360	−15.00	725.87	725.620	725.619
C/L PIER NO. 2	518+65.360	−15.00	725.93	725.680	725.680
X	518+75.360	−15.00	726.05	725.800	725.811
Y	518+85.360	−15.00	726.18	725.930	725.957
Z	518+95.360	−15.00	726.30	726.050	726.094
AA	519+05.360	−15.00	726.43	726.180	726.240
AB	519+15.360	−15.00	726.55	726.300	726.369
AC	519+25.360	−15.00	726.68	726.430	726.502
AD	519+35.360	−15.00	726.80	726.550	726.617
AE	519+45.360	−15.00	726.93	726.680	726.732
AF	519+55.360	−15.00	727.05	726.800	726.844
AG	519+65.360	−15.00	727.18	726.930	726.955
AH	519+75.360	−15.00	727.30	727.050	727.055
C/L PIER NO. 3	519+80.360	−15.00	727.37	727.120	727.120
AI	519+90.360	−15.00	727.49	727.240	727.239
AJ	520+00.360	−15.00	727.62	727.370	727.372
AK	520+10.360	−15.00	727.74	727.490	727.498
AL	520+20.360	−15.00	727.87	727.620	727.632
AM	520+30.360	−15.00	727.99	727.740	727.756
AN	520+40.360	−15.00	728.12	727.870	727.884
AO	520+50.360	−15.00	728.24	727.990	727.999
AP	520+60.360	−15.00	728.37	728.120	728.121
AQ	520+70.360	−15.00	728.49	728.240	728.234
AR	520+80.360	−15.00	728.62	728.370	728.362
AS	520+90.360	−15.00	728.74	728.490	728.484
C/L PIER NO. 4	520+95.360	−15.00	728.80	728.550	728.550
AT	521+05.360	−15.00	728.93	728.680	728.701
AU	521+15.360	−15.00	729.05	728.800	728.856
AV	521+25.360	−15.00	729.18	728.930	729.002
AW	521+35.360	−15.00	729.30	729.050	729.149
AX	521+45.360	−15.00	729.43	729.180	729.301
AY	521+55.360	−15.00	729.55	729.300	729.432
AZ	521+65.360	−15.00	729.68	729.430	729.564
BA	521+75.360	−15.00	729.80	729.550	729.671
BB	521+85.360	−15.00	729.93	729.680	729.779
BC	521+95.360	−15.00	730.05	729.800	729.864
BD	522+05.360	−15.00	730.18	729.930	729.950
C/L BRG. E. ABUT.	522+10.360	−15.00	730.24	729.990	729.990
BK. E. ABUT.	522+13.620	−15.00	730.28	730.030	730.030

BEAM NO. 2

LOCATION	STATION	OFFSET (FT.)	CL GRADE	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	516+35.190	−7.50	723.05	722.933	722.933
C/L BRG. W. ABUT	516+38.090	−7.50	723.09	722.973	722.973
B	516+48.090	−7.50	723.21	723.093	723.119
C	516+58.090	−7.50	723.34	723.223	723.272
D	516+68.090	−7.50	723.46	723.343	723.410
E	516+78.090	−7.50	723.59	723.473	723.551
F	516+88.090	−7.50	723.71	723.593	723.675
G	516+98.090	−7.50	723.84	723.723	723.801
H	517+08.090	−7.50	723.96	723.843	723.911
I	517+18.090	−7.50	724.09	723.973	724.026
J	517+28.090	−7.50	724.21	724.093	724.128
K	517+38.090	−7.50	724.34	724.223	724.241
L	517+48.090	−7.50	724.46	724.343	724.348
C/L PIER NO. 1	517+53.090	−7.50	724.52	724.403	724.403
M	517+63.090	−7.50	724.65	724.533	724.529
N	517+73.090	−7.50	724.77	724.653	724.650
O	517+83.090	−7.50	724.90	724.783	724.784
P	517+93.090	−7.50	725.02	724.903	724.910
Q	518+03.090	−7.50	725.15	725.033	725.044
R	518+13.090	−7.50	725.27	725.153	725.167
S	518+23.090	−7.50	725.40	725.283	725.296
T	518+33.090	−7.50	725.52	725.403	725.412
U	518+43.090	−7.50	725.65	725.533	725.537
V	518+53.090	−7.50	725.77	725.653	725.655
W	518+63.090	−7.50	725.90	725.783	725.784
C/L PIER NO. 2	518+68.090	−7.50	725.96	725.843	725.843
X	518+78.090	−7.50	726.09	725.973	725.980
Y	518+88.090	−7.50	726.21	726.093	726.111
Z	518+98.090	−7.50	726.34	726.223	726.253
AA	519+08.090	−7.50	726.46	726.343	726.383
AB	519+18.090	−7.50	726.59	726.473	726.520
AC	519+28.090	−7.50	726.71	726.593	726.641
AD	519+38.090	−7.50	726.84	726.723	726.767
AE	519+48.090	−7.50	726.96	726.843	726.879
AF	519+58.090	−7.50	727.09	726.973	726.997
AG	519+68.090	−7.50	727.21	727.093	727.105
AH	519+78.090	−7.50	727.34	727.223	727.226
C/L PIER NO. 3	519+83.090	−7.50	727.40	727.283	727.283
AI	519+93.090	−7.50	727.52	727.403	727.402
AJ	520+03.090	−7.50	727.65	727.533	727.534
AK	520+13.090	−7.50	727.77	727.653	727.659
AL	520+23.090	−7.50	727.90	727.783	727.793
AM	520+33.090	−7.50	728.02	727.903	727.914
AN	520+43.090	−7.50	728.15	728.033	728.043
AO	520+53.090	−7.50	728.27	728.153	728.160
AP	520+63.090	−7.50	728.40	728.283	728.284
AQ	520+73.090	−7.50	728.52	728.403	728.399
AR	520+83.090	−7.50	728.65	728.533	728.527
AS	520+93.090	−7.50	728.77	728.653	728.650
C/L PIER NO. 4	520+98.090	−7.50	728.84	728.723	728.723
AT	521+08.090	−7.50	728.96	728.843	728.855
AU	521+18.090	−7.50	729.09	728.973	729.002
AV	521+28.090	−7.50	729.21	729.093	729.142
AW	521+38.090	−7.50	729.34	729.223	729.291
AX	521+48.090	−7.50	729.46	729.343	729.425
AY	521+58.090	−7.50	729.59	729.473	729.564
AZ	521+68.090	−7.50	729.71	729.593	729.684
BA	521+78.090	−7.50	729.84	729.723	729.806
BB	521+88.090	−7.50	729.96	729.843	729.909
BC	521+98.090	−7.50	730.09	729.973	730.016
BD	522+08.090	−7.50	730.21	730.093	730.108
C/L BRG. E. ABUT.	522+13.090	−7.50	730.27	730.153	730.153
BK. E. ABUT.	522+16.350	−7.50	730.32	730.203	730.203

BEAM NO. 3 & PGL

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	516+37.920	0.00	723.080	723.080
C/L BRG. W. ABUT	516+40.820	0.00	723.120	723.120
B	516+50.820	0.00	723.250	723.276
C	516+60.820	0.00	723.370	723.419
D	516+70.820	0.00	723.500	723.567
E	516+80.820	0.00	723.620	723.698
F	516+90.820	0.00	723.750	723.832
G	517+00.820	0.00	723.870	723.948
H	517+10.820	0.00	724.000	724.068
I	517+20.820	0.00	724.120	724.173
J	517+30.820		724.250	724.285
K	517+40.820		724.370	724.388
L	517+50.820	0.00	724.500	724.505
C/L PIER NO. 1	517+55.820	0.00	724.560	724.560
M	517+65.820	0.00	724.680	724.676
N	517+75.820	0.00	724.810	724.807
O	517+85.820	0.00	724.930	724.931
P	517+95.820	0.00	725.060	725.067
Q	518+05.820	0.00	725.180	725.191
R	518+15.820	0.00	725.310	725.324
S	518+25.820	0.00	725.430	725.443
T	518+35.820	0.00	725.560	725.569
U	518+45.820		725.680	725.684
V	518+55.820		725.810	725.812
W	518+65.820	0.00	725.930	725.931
C/L PIER NO. 2	518+70.820	0.00	726.000	726.000
X	518+80.820	0.00	726.120	726.127
Y	518+90.820	0.00	726.250	726.268
Z	519+00.820	0.00	726.370	726.400
AA	519+10.820	0.00	726.500	726.540
AB	519+20.820	0.00	726.620	726.667
AC	519+30.820	0.00	726.750	726.798
AD	519+40.820	0.00	726.870	726.914
AE	519+50.820	0.00	727.000	727.036
AF	519+60.820		727.120	727.144
AG	519+70.820		727.250	727.262
AH	519+80.820	0.00	727.370	727.373
C/L PIER NO. 3	519+85.820	0.00	727.430	727.430
AI	519+95.820	0.00	727.560	727.559
AJ	520+05.820	0.00	727.680	727.681
AK	520+15.820	0.00	727.810	727.816
AL	520+25.820	0.00	727.930	727.940
AM	520+35.820	0.00	728.060	728.071
AN	520+45.820	0.00	728.180	728.190
AO	520+55.820	0.00	728.310	728.317
AP	520+65.820	0.00	728.430	728.431
AQ	520+75.820		728.560	728.556
AR	520+85.820		728.680	728.674
AS	520+95.820	0.00	728.810	728.807
C/L PIER NO. 4	521+00.820	0.00	728.870	728.870
AT	521+10.820	0.00	729.000	729.012
AU	521+20.820	0.00	729.120	729.149
AV	521+30.820	0.00	729.250	729.299
AW	521+40.820	0.00	729.370	729.438
AX	521+50.820	0.00	729.500	729.582
AY	521+60.820	0.00	729.620	729.711
AZ	521+70.820	0.00	729.750	729.841
BA	521+80.820	0.00	729.870	729.953
BB	521+90.820		730.000	730.066
BC	522+00.820		730.120	730.163
BD	522+10.820	0.00	730.250	730.265
C/L BRG. E. ABUT.	522+15.820	0.00	730.310	730.310
BK. E. ABUT.	522+19.080	0.00	730.350	730.350

REVISIONS

DATE	DESCRIPTION	No.

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

TOP OF DECK ELEVATIONS

IMEG Project No: 24007592.00
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Checked By: ECM

Date: 02/23/2026

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BEAM NO. 4

LOCATION	STATION	OFFSET (FT.)	CL GRADE	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	516+40.650	7.50	723.12	723.003	723.003
C/L BRG. W. ABUT	516+43.550	7.50	723.16	723.043	723.043
B	516+53.550	7.50	723.28	723.163	723.189
C	516+63.550	7.50	723.41	723.293	723.342
D	516+73.550	7.50	723.53	723.413	723.480
E	516+83.550	7.50	723.66	723.543	723.621
F	516+93.550	7.50	723.78	723.663	723.745
G	517+03.550	7.50	723.91	723.793	723.871
H	517+13.550	7.50	724.03	723.913	723.981
I	517+23.550	7.50	724.16	724.043	724.096
J	517+33.550	7.50	724.28	724.163	724.198
K	517+43.550	7.50	724.41	724.293	724.311
L	517+53.550	7.50	724.53	724.413	724.418
C/L PIER NO. 1	517+58.550	7.50	724.59	724.473	724.473
M	517+68.550	7.50	724.72	724.603	724.599
N	517+78.550	7.50	724.84	724.723	724.720
O	517+88.550	7.50	724.97	724.853	724.854
P	517+98.550	7.50	725.09	724.973	724.980
Q	518+08.550	7.50	725.22	725.103	725.114
R	518+18.550	7.50	725.34	725.223	725.237
S	518+28.550	7.50	725.47	725.353	725.366
T	518+38.550	7.50	725.59	725.473	725.482
U	518+48.550	7.50	725.72	725.603	725.607
V	518+58.550	7.50	725.84	725.723	725.725
W	518+68.550	7.50	725.97	725.853	725.854
C/L PIER NO. 2	518+73.550	7.50	726.03	725.913	725.913
X	518+83.550	7.50	726.16	726.043	726.050
Y	518+93.550	7.50	726.28	726.163	726.181
Z	519+03.550	7.50	726.41	726.293	726.323
AA	519+13.550	7.50	726.53	726.413	726.453
AB	519+23.550	7.50	726.66	726.543	726.590
AC	519+33.550	7.50	726.78	726.663	726.711
AD	519+43.550	7.50	726.91	726.793	726.837
AE	519+53.550	7.50	727.03	726.913	726.949
AF	519+63.550	7.50	727.16	727.043	727.067
AG	519+73.550	7.50	727.28	727.163	727.175
AH	519+83.550	7.50	727.41	727.293	727.296
C/L PIER NO. 3	519+88.550	7.50	727.47	727.353	727.353
AI	519+98.550	7.50	727.59	727.473	727.472
AJ	520+08.550	7.50	727.72	727.603	727.604
AK	520+18.550	7.50	727.84	727.723	727.729
AL	520+28.550	7.50	727.97	727.853	727.863
AM	520+38.550	7.50	728.09	727.973	727.984
AN	520+48.550	7.50	728.22	728.103	728.113
AO	520+58.550	7.50	728.34	728.223	728.230
AP	520+68.550	7.50	728.47	728.353	728.354
AQ	520+78.550	7.50	728.59	728.473	728.469
AR	520+88.550	7.50	728.72	728.603	728.597
AS	520+98.550	7.50	728.84	728.723	728.720
C/L PIER NO. 4	521+03.550	7.50	728.91	728.793	728.793
AT	521+13.550	7.50	729.03	728.913	728.925
AU	521+23.550	7.50	729.16	729.043	729.072
AV	521+33.550	7.50	729.28	729.163	729.212
AW	521+43.550	7.50	729.41	729.293	729.361
AX	521+53.550	7.50	729.53	729.413	729.495
AY	521+63.550	7.50	729.66	729.543	729.634
AZ	521+73.550	7.50	729.78	729.663	729.754
BA	521+83.550	7.50	729.91	729.793	729.876
BB	521+93.550	7.50	730.03	729.913	729.979
BC	522+03.550	7.50	730.16	730.043	730.086
BD	522+13.550	7.50	730.28	730.163	730.178
C/L BRG. E. ABUT.	522+18.550	7.50	730.34	730.223	730.223
BK. E. ABUT.	522+21.810	7.50	730.38	730.263	730.263

BEAM NO. 5

LOCATION	STATION	OFFSET (FT.)	CL GRADE	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	516+43.380	15.00	723.15	722.900	722.900
C/L BRG. W. ABUT	516+46.280	15.00	723.19	722.940	722.940
B	516+56.280	15.00	723.31	723.060	723.097
C	516+66.280	15.00	723.44	723.190	723.263
D	516+76.280	15.00	723.56	723.310	723.409
E	516+86.280	15.00	723.69	723.440	723.555
F	516+96.280	15.00	723.81	723.560	723.681
G	517+06.280	15.00	723.94	723.690	723.805
H	517+16.280	15.00	724.06	723.810	723.910
I	517+26.280	15.00	724.19	723.940	724.018
J	517+36.280	15.00	724.31	724.060	724.112
K	517+46.280	15.00	724.44	724.190	724.217
L	517+56.280	15.00	724.56	724.310	724.317
C/L PIER NO. 1	517+61.280	15.00	724.63	724.380	724.380
M	517+71.280	15.00	724.75	724.500	724.494
N	517+81.280	15.00	724.88	724.630	724.625
O	517+91.280	15.00	725.00	724.750	724.751
P	518+01.280	15.00	725.13	724.880	724.889
Q	518+11.280	15.00	725.25	725.000	725.016
R	518+21.280	15.00	725.38	725.130	725.149
S	518+31.280	15.00	725.50	725.250	725.268
T	518+41.280	15.00	725.63	725.380	725.393
U	518+51.280	15.00	725.75	725.500	725.505
V	518+61.280	15.00	725.88	725.630	725.630
W	518+71.280	15.00	726.00	725.750	725.749
C/L PIER NO. 2	518+76.280	15.00	726.06	725.810	725.810
X	518+86.280	15.00	726.19	725.940	725.951
Y	518+96.280	15.00	726.31	726.060	726.087
Z	519+06.280	15.00	726.44	726.190	726.234
AA	519+16.280	15.00	726.56	726.310	726.370
AB	519+26.280	15.00	726.69	726.440	726.509
AC	519+36.280	15.00	726.81	726.560	726.632
AD	519+46.280	15.00	726.94	726.690	726.757
AE	519+56.280	15.00	727.06	726.810	726.862
AF	519+66.280	15.00	727.19	726.940	726.984
AG	519+76.280	15.00	727.31	727.060	727.085
AH	519+86.280	15.00	727.44	727.190	727.195
C/L PIER NO. 3	519+91.280	15.00	727.50	727.250	727.250
AI	520+01.280	15.00	727.63	727.380	727.379
AJ	520+11.280	15.00	727.75	727.500	727.502
AK	520+21.280	15.00	727.88	727.630	727.638
AL	520+31.280	15.00	728.00	727.750	727.762
AM	520+41.280	15.00	728.13	727.880	727.896
AN	520+51.280	15.00	728.25	728.000	728.014
AO	520+61.280	15.00	728.38	728.130	728.139
AP	520+71.280	15.00	728.50	728.250	728.251
AQ	520+81.280	15.00	728.63	728.380	728.374
AR	520+91.280	15.00	728.75	728.500	728.492
AS	521+01.280	15.00	728.88	728.630	728.624
C/L PIER NO. 4	521+06.280	15.00	728.94	728.690	728.690
AT	521+16.280	15.00	729.06	728.810	728.831
AU	521+26.280	15.00	729.19	728.940	728.996
AV	521+36.280	15.00	729.31	729.060	729.132
AW	521+46.280	15.00	729.44	729.190	729.289
AX	521+56.280	15.00	729.56	729.310	729.431
AY	521+66.280	15.00	729.69	729.440	729.572
AZ	521+76.280	15.00	729.81	729.560	729.694
BA	521+86.280	15.00	729.94	729.690	729.811
BB	521+96.280	15.00	730.06	729.810	729.909
BC	522+06.280	15.00	730.19	729.940	730.004
BD	522+16.280	15.00	730.31	730.060	730.080
C/L BRG. E. ABUT.	522+21.280	15.00	730.38	730.130	730.130
BK. E. ABUT.	522+24.540	15.00	730.42	730.170	730.170

REVISIONS

DATE	DESCRIPTION	No.

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

TOP OF DECK ELEVATIONS

IMEG Project No: 24007592.00

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Sheet 29 of 55

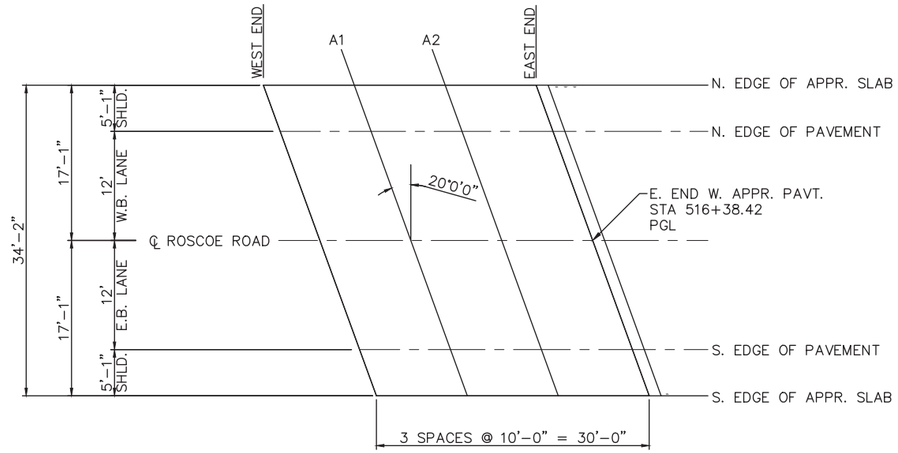
File Name: 24007592-DECK.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026



PLAN
(WEST APPROACH)

N. EDGE OF SHOULDER

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	516+02.20	−17.08	722.350
A1	516+12.20	−17.08	722.470
A2	516+22.20	−17.08	722.600
E. END W. APPR. PAV'T.	516+32.20	−17.08	722.720

N. EDGE OF PAVEMENT

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	516+04.05	−12.00	722.470
A1	516+14.05	−12.00	722.600
A2	516+24.05	−12.00	722.720
E. END W. APPR. PAV'T.	516+34.05	−12.00	722.840

C/L ROSCOE ROAD, PGL AND CROWN

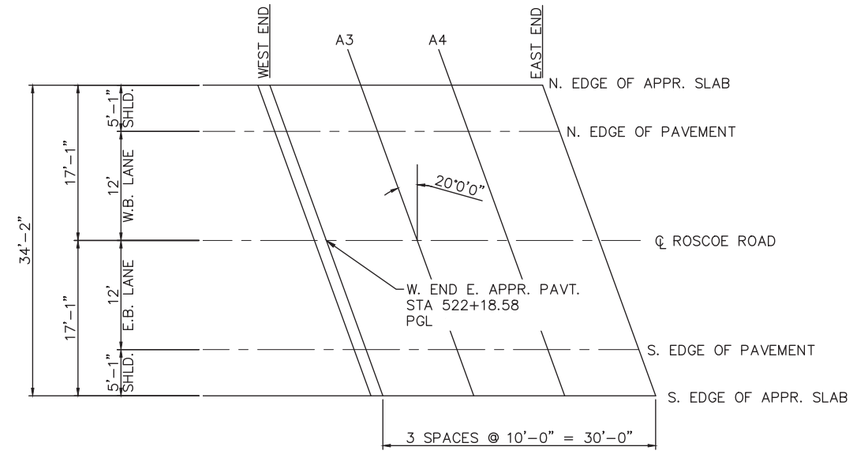
LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	516+08.42	0.00	722.720
A1	516+18.42	0.00	722.840
A2	516+28.42	0.00	722.970
E. END W. APPR. PAV'T.	516+38.42	0.00	723.090

S. EDGE OF PAVEMENT

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	516+12.79	12.00	722.580
A1	516+22.79	12.00	722.710
A2	516+32.79	12.00	722.830
E. END W. APPR. PAV'T.	516+42.79	12.00	722.950

S. EDGE OF SHOULDER

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	516+14.64	17.08	722.500
A1	516+24.64	17.08	722.630
A2	516+34.64	17.08	722.750
E. END W. APPR. PAV'T.	516+44.64	17.08	722.880



PLAN
(EAST APPROACH)

N. EDGE OF SHOULDER

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	522+12.36	−17.08	729.980
A3	522+22.36	−17.08	730.100
A4	522+32.36	−17.08	730.240
E. END E. APPR. PAV'T.	522+42.36	−17.08	730.410

N. EDGE OF PAVEMENT

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	522+14.21	−12.00	730.100
A3	522+24.21	−12.00	730.230
A4	522+34.21	−12.00	730.370
E. END E. APPR. PAV'T.	522+44.21	−12.00	730.540

C/L ROSCOE ROAD, PGL AND CROWN

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	522+18.58	0.00	730.350
A3	522+28.58	0.00	730.470
A4	522+38.58	0.00	730.630
E. END E. APPR. PAV'T.	522+48.58	0.00	730.800

S. EDGE OF PAVEMENT

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	522+22.95	12.00	730.210
A3	522+31.64	12.00	730.330
A4	522+41.64	12.00	730.500
E. END E. APPR. PAV'T.	522+51.64	12.00	730.660

S. EDGE OF SHOULDER

LOCATION	STATION	OFFSET (FT.)	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	522+24.80	17.08	730.140
A3	522+34.80	17.08	730.280
A4	522+44.80	17.08	730.450
E. END E. APPR. PAV'T.	522+54.80	17.08	730.620

STRUCTURAL SHEET NO. 7 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

APPROACH TOP OF SLAB ELEVATIONS

IMEG Project No: 24007592.00

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Sheet 30 of 55

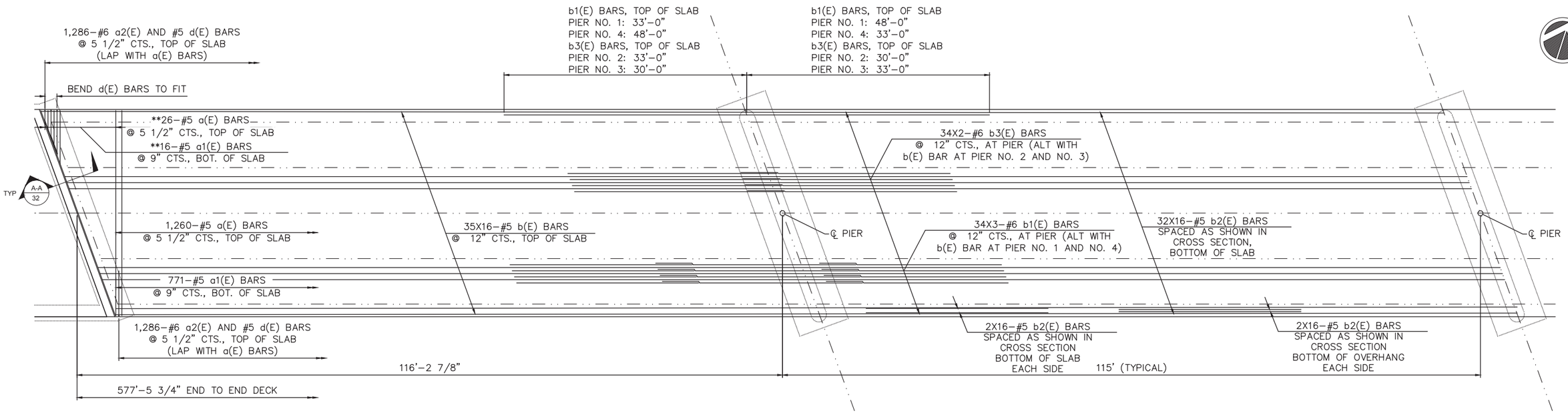
File Name: 24007592-DECK.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

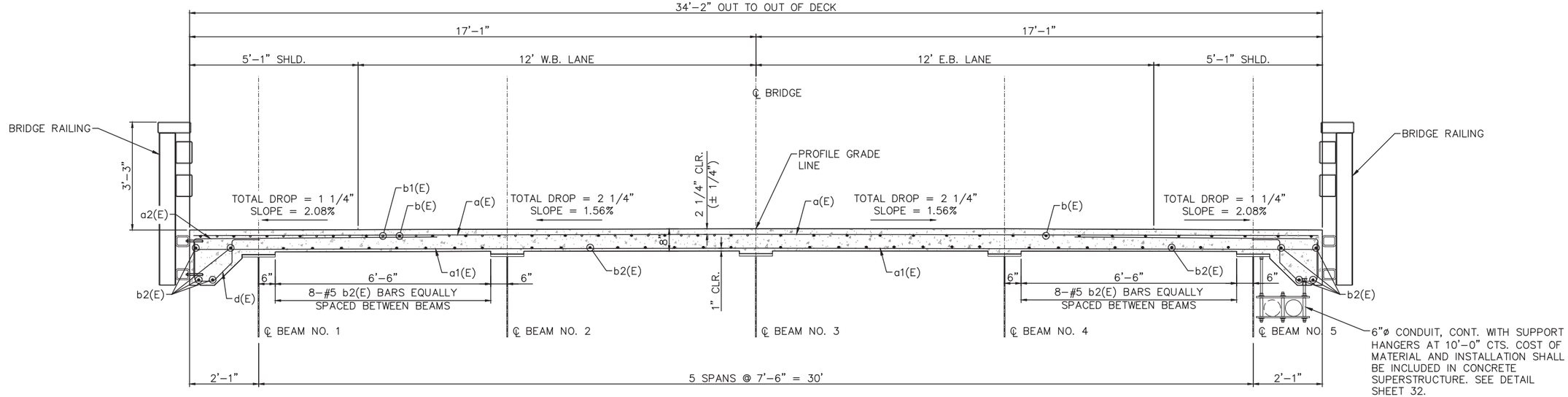
Date: 02/23/2026



** ORDER a(E) AND a1(E) BARS FULL LENGTH, CUT TO FIT SKEW AND USE REMAINDER OF BARS IN OPPOSITE END.

PLAN

NOTE:
1. BARS INDICATED THUS 35X16–#5 ETC., INDICATES 35 LINES OF BARS WITH 16 LENGTHS PER LINE.
2. MINIMUM BAR LAP 3'–0"



NEAR PIER NEAR MIDSPAN

TOP OF SLAB ELEVATIONS
(LOOKING UP STATION)

STRUCTURAL SHEET NO. 8 OF 18 SHEETS

REVISIONS		
DATE	DESCRIPTION	No.

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

DECK PLAN AND CROSS SECTION

IMEG Project No: 24007592.00	File Name: 24007592-DECK.dwg
31	Field Book No: 368
Sheet 31 of 55	Drawn By: PJP
	Checked By: ECM
	Date: 02/23/2026

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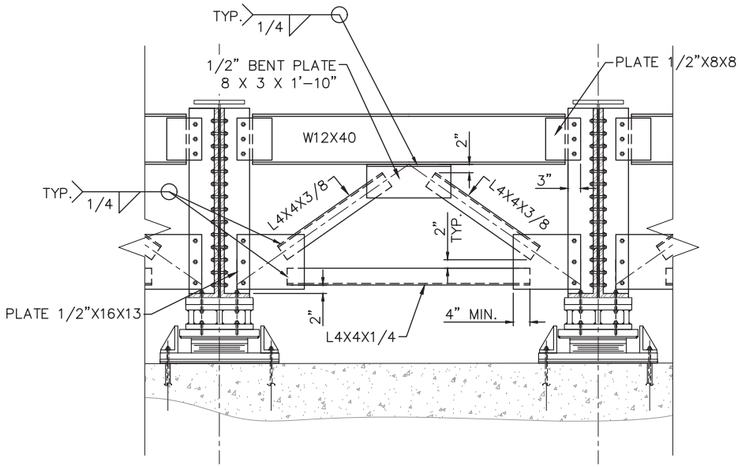
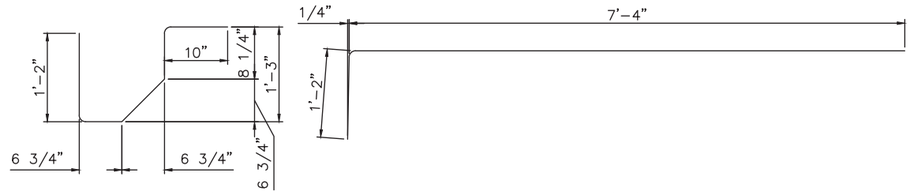
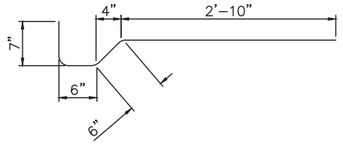


DIAPHRAGM ELEVATION

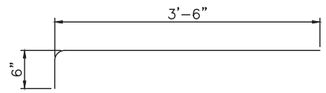


BAR d(E)

BAR a2(E)



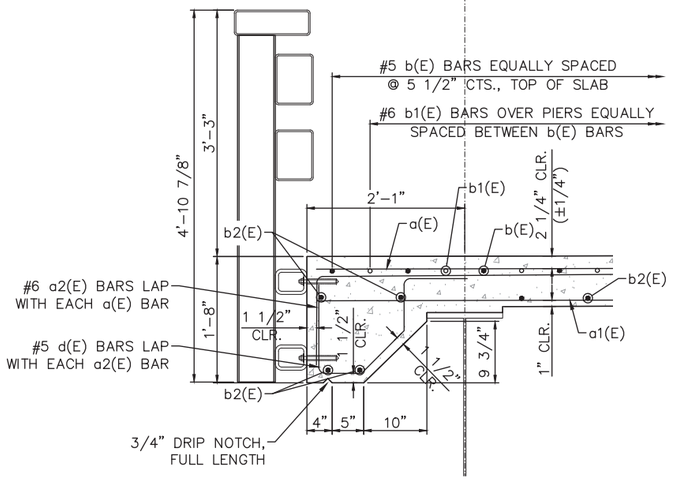
BAR x(E)



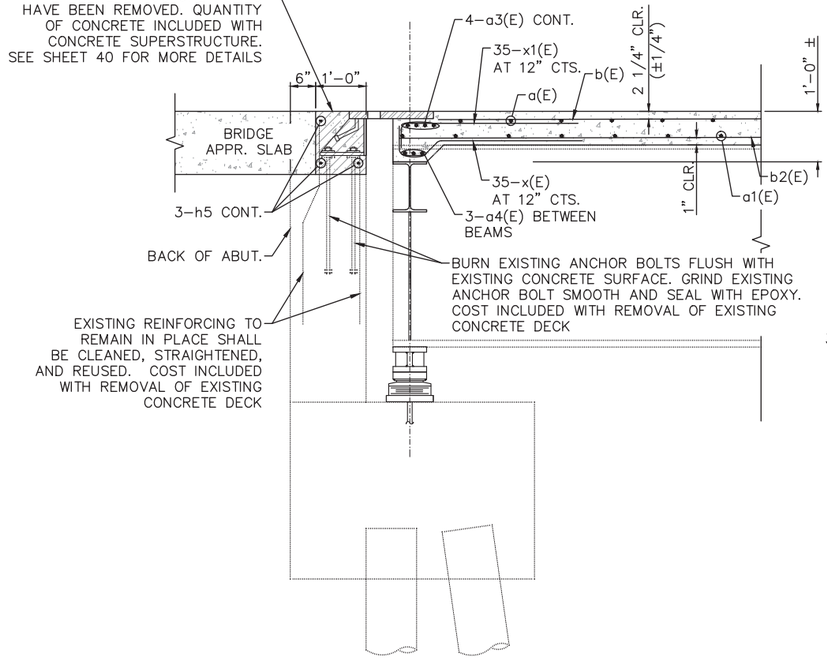
BAR x1(E)

SUPERSTRUCTURE BILL OF MATERIAL

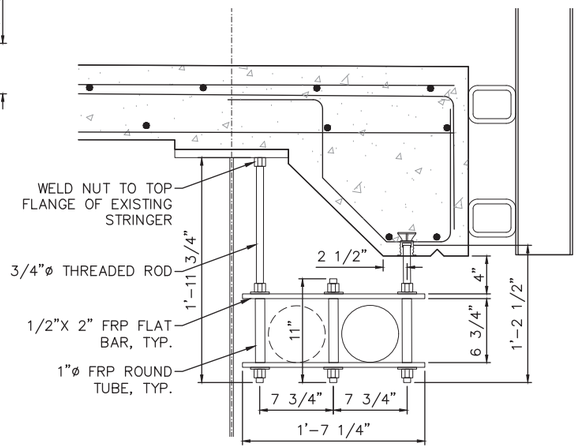
Bar	No.	Size	Length	Shape
a(E)	1,286	#5	33'-10"	
a1(E)	787	#5	33'-10"	
a2(E)	2,572	#6	8-6"	
a3(E)	8	#5	36'-0"	
a4(E)	24	#5	7'-7"	
b(E)	562	#5	38'-11"	
b1(E)	204	#6	30'-0"	
b2(E)	640	#5	38'-11"	
b3(E)	136	#6	33'-0"	
d(E)	2,572	#5	4'-1"	
h5	6	#6	36'-0"	
x(E)	70	#5	4'-5"	
x1(E)	70	#5	4'-0"	
Reinforcement Bars, Epoxy Coated			Lbs.	183,100
Concrete Superstructure			Cu. Yd.	551
Bridge Deck Grooving			Sq. Yd.	2,064
Protective Coat			Sq. Yd.	2,193
Stud Shear Connectors			Each	7,040



SECTION AT OVERHANG



SECTION A-A



CONDUIT HANGER DETAIL

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STRUCTURAL SHEET NO. 9 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

SUPERSTRUCTURE DETAILS

IMEG Project No: 24007592.00

32

Sheet 32 of 55

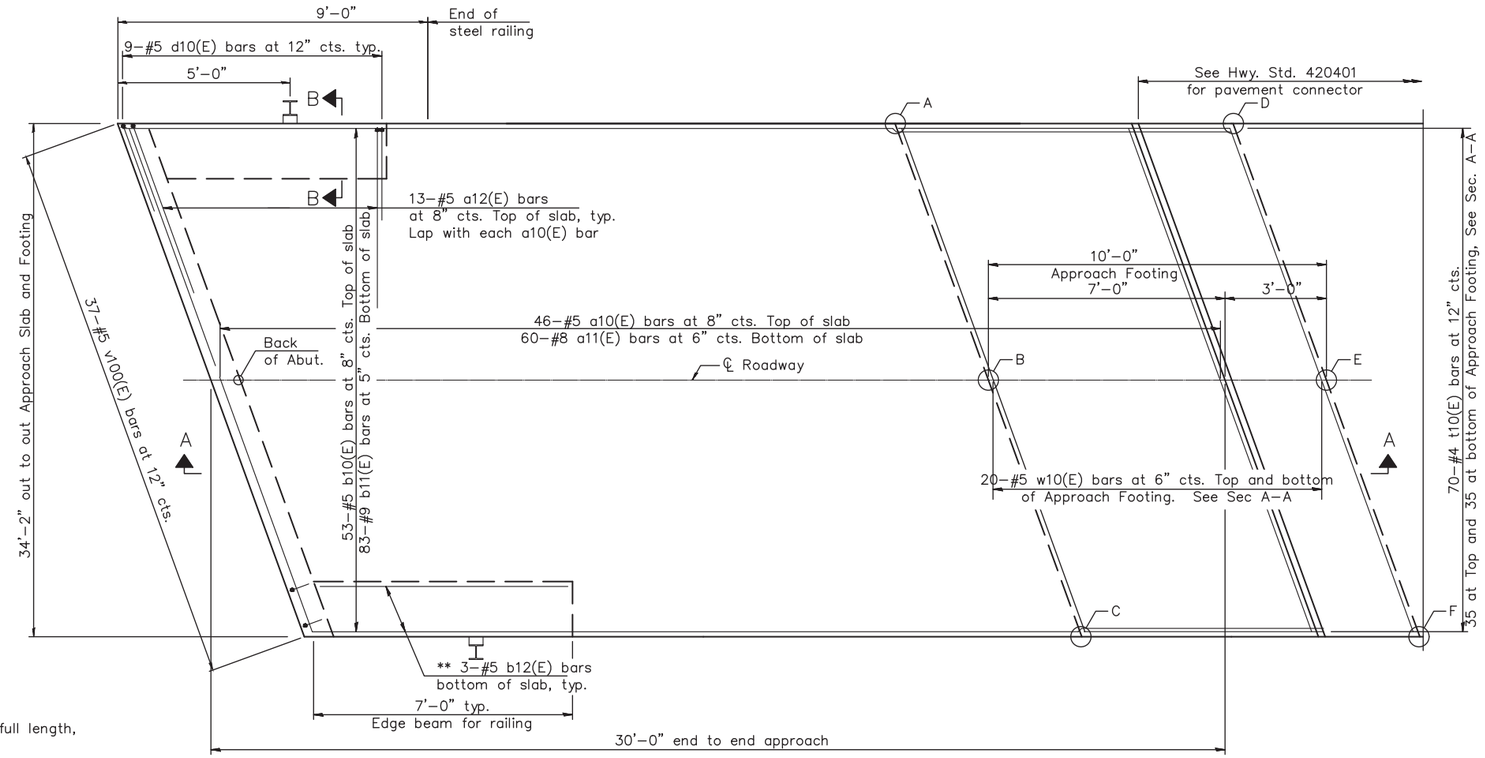
File Name: 24007592-DECK.dwg

Field Book No: 368

Drawn By: PJP

Checked By: ECM

Date: 02/23/2026



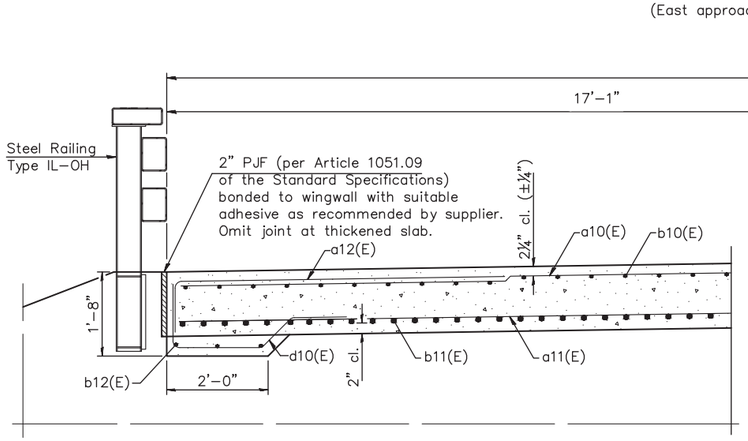
PLAN

(East approach slab shown; West approach slab similar by 180° rotation)

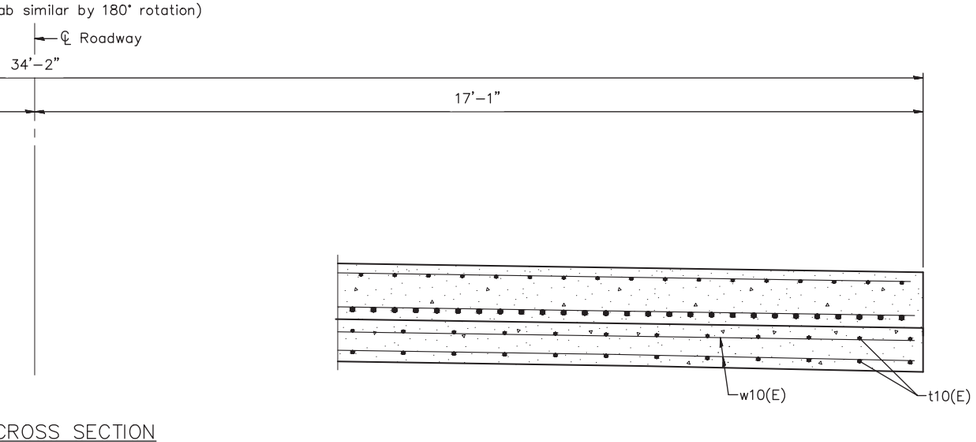
** Order b12(E) bars full length, cut to fit skew

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

West Approach			East Approach		
Point/ Location	Top	Bottom	Point/ Location	Top	Bottom
A –	721.19	720.36	A –	729.04	728.21
B –	721.56	720.73	B –	729.43	728.60
C –	721.34	720.51	C –	729.25	728.42
D –	721.06	720.23	D –	729.21	728.38
E –	721.43	720.60	E –	729.60	728.77
F –	721.21	720.38	F –	729.42	728.59



NEAR ABUTMENT



CROSS SECTION

(Looking East)

AT APPROACH FOOTING

BRIDGE APPROACH SLAB & DETAILS

BAIA-CIP-R40-0 4-4-2025

STRUCTURAL SHEET NO. 10 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

BRIDGE APPROACH SLAB PLANS

IMEG Project No: 24007592.00

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Sheet 33 of 55

File Name: 24007592-DECK.dwg

Field Book No: 368

Drawn By: PJP

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Date: 02/23/2026

Monday, February 23, 2026 10:34:47 AM
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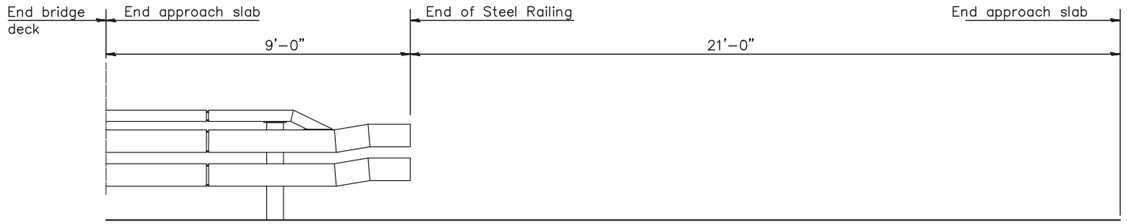
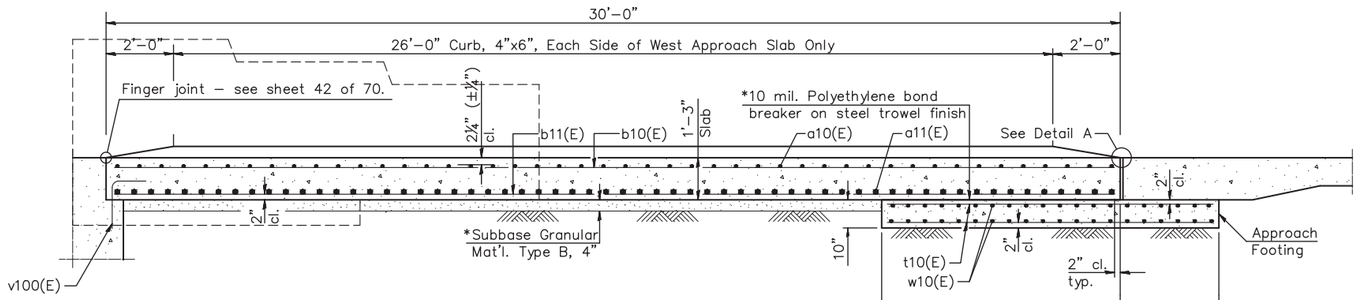
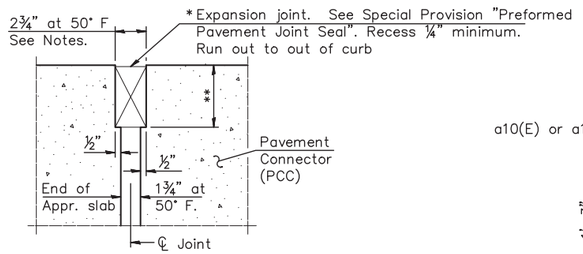


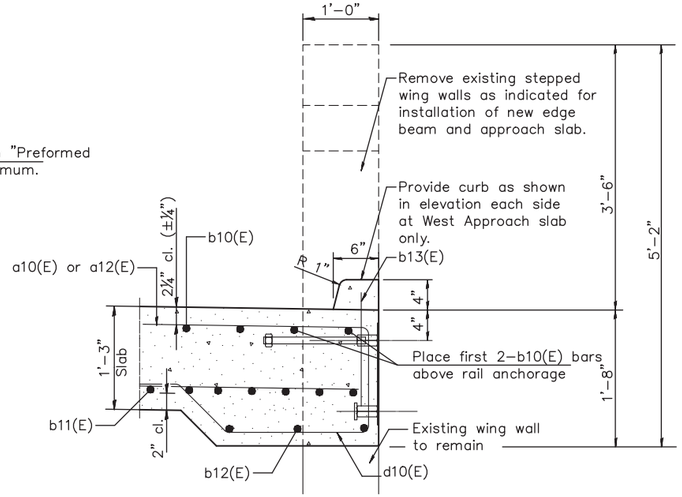
INSIDE ELEVATION OF RAILING



SECTION A–A



DETAIL A



SECTION B–B

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

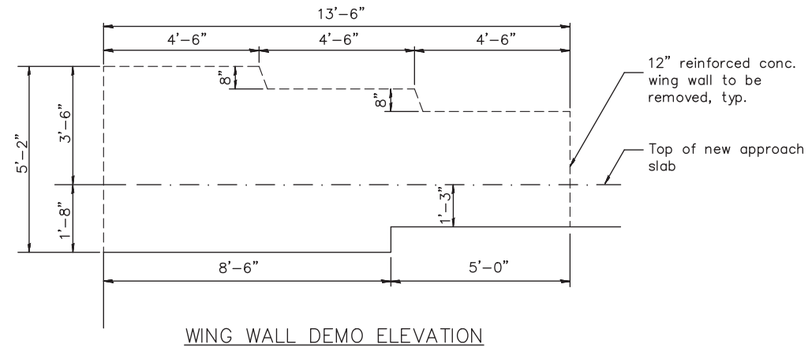
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

Approach footing concrete shall be paid for as Concrete Structures.

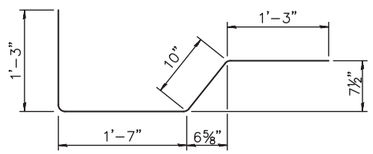
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

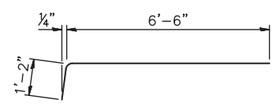
For railing details, see sheet 35–38.



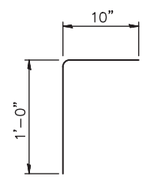
WING WALL DEMO ELEVATION



BAR d10(E)



BAR a12(E)



BAR v100(E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	92	#5	36'–0"	
a11(E)	120	#8	36'–0"	
a12(E)	52	#5	7'–8"	
b10(E)	106	#5	29'–8"	
b11(E)	166	#9	29'–8"	
b12(E)	12	#5	7'–6"	
b13(E)	22	#5	1'–3"	
d10(E)	36	#5	4'–11"	
t10(E)	140	#4	9'–8"	
v100(E)	74	#5	1'–10"	
w10(E)	80	#5	36'–0"	
Concrete Superstructure (Approach Slab)		Cu. Yd.	100	
Concrete Structures		Cu. Yd.	21	
Reinforcement Bars, Epoxy Coated		Pound	39,120	

BRIDGE APPROACH SLAB DETAILS

BAIA–CIP–R40–0 4–4–2025

STRUCTURAL SHEET NO. 11 OF 18 SHEETS

REVISIONS		
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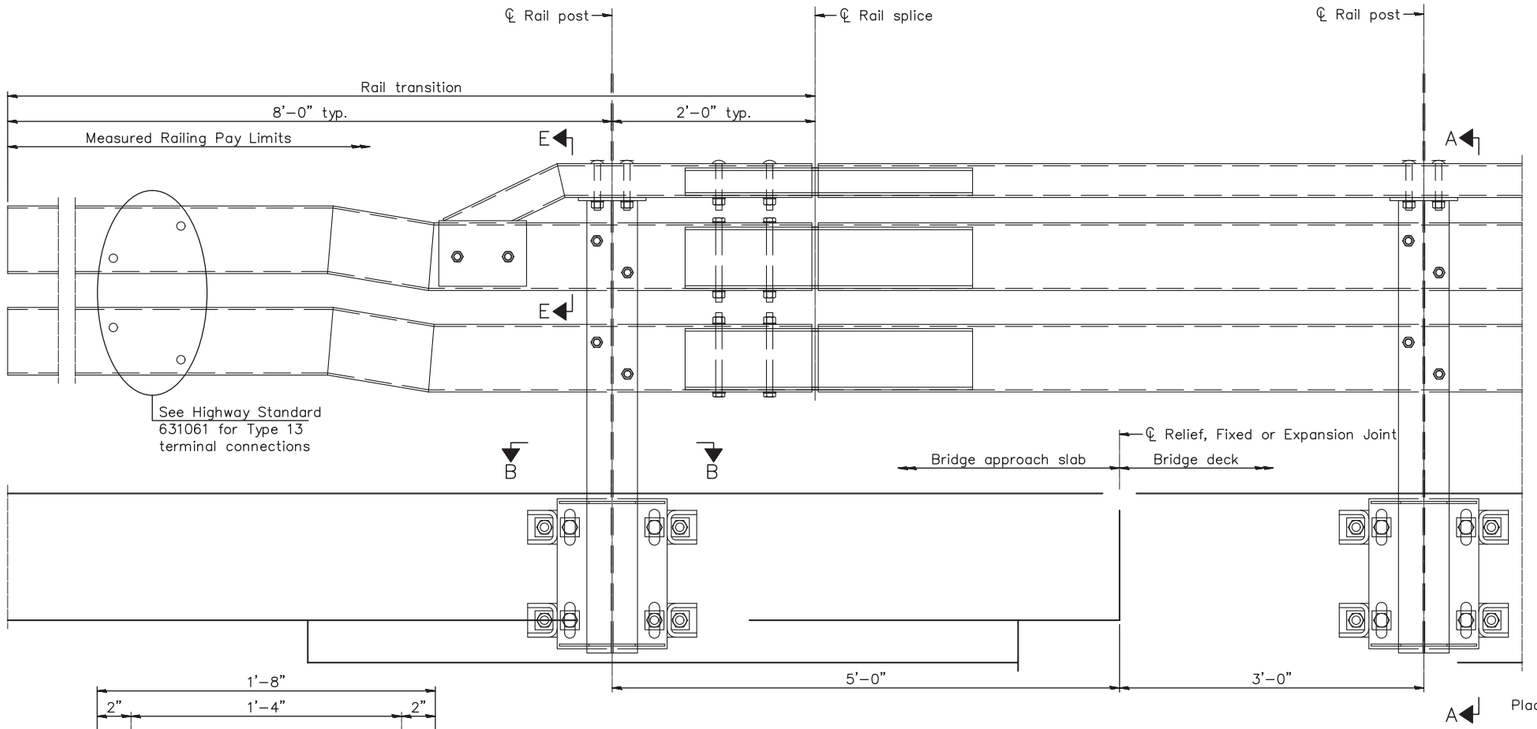
ROSCOE ROAD BRIDGE REHABILITATION

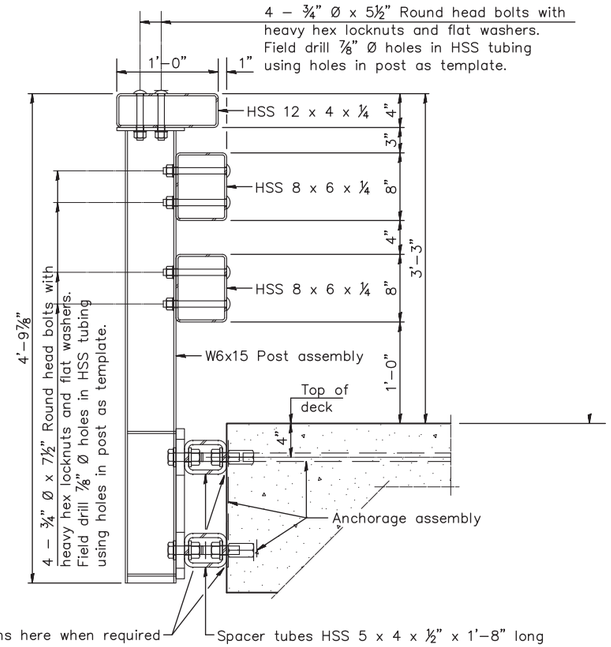
ROSCOE, ILLINOIS

BRIDGE APPROACH SLAB DETAILS

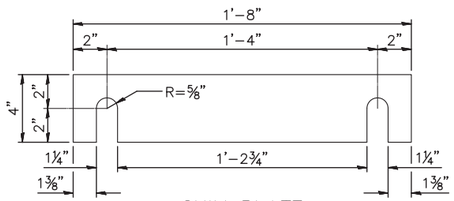
IMEG Project No: 24007592.00	File Name: 24007592-DECK.dwg
34	Field Book No: 368
	Drawn By: PJP
Sheet 34 of 55	Checked By: ECM
	Date: 02/23/2026



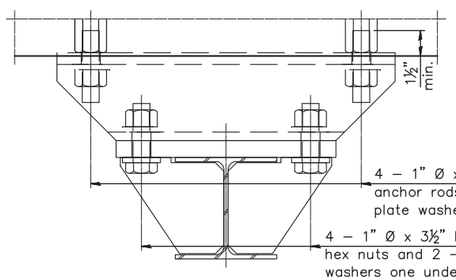
OUTSIDE ELEVATION OF RAIL



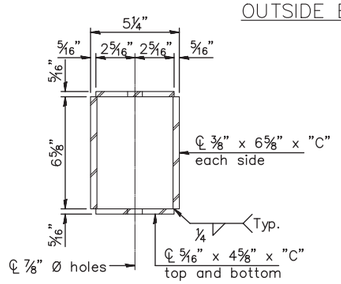
SECTION A–A



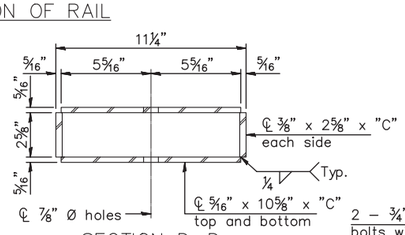
SHIM PLATE



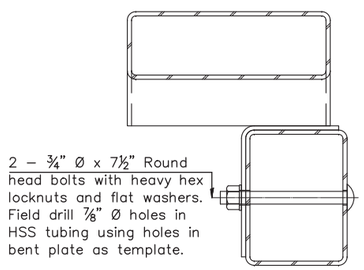
SECTION B–B



SECTION C–C

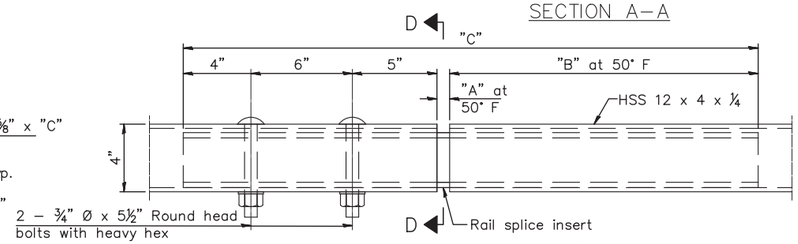


SECTION D–D

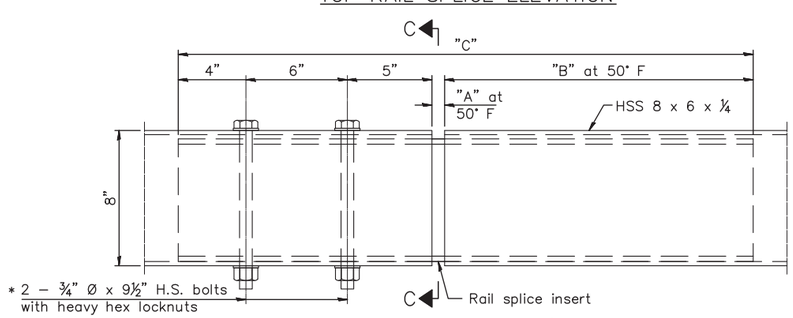


SECTION E–E

STEEL RAILING, TYPE IL-OH



TOP RAIL SPLICE ELEVATION



MIDDLE & BOTTOM RAIL SPLICE ELEVATION

*Bolt orientation shown for middle rail. Flip for bottom rail.

RAILING CRITERIA

MASH 2016 Test Level	4
Rail system weight (plf)	120
Max post spacing	8'–0"

SPLICE DIMENSIONS

Location	T	A	B	C
All locs. not over exp. jts.	0	½"	1'–6"	2'–9½"
Over Strip Seal Jt.	≤4"	2½"	1'–8"	3'–1½"
Over Finger or Modular Jt.	≤9½"	5½"	1'–10¾"	3'–7½"
Over Finger or Modular Jt.	≤15"	8¼"	2'–1½"	4'–0¾"

T = ; total movement along centerline of roadway at expansion joint.

R–40BD

4–4–2025

STRUCTURAL SHEET NO. 12 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

RAILING DETAILS

IMEG Project No: 24007592.00

35

Sheet 35 of 55

File Name: 24007592-DECK.dwg

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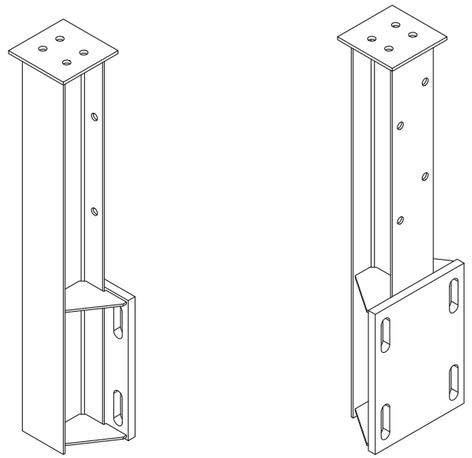
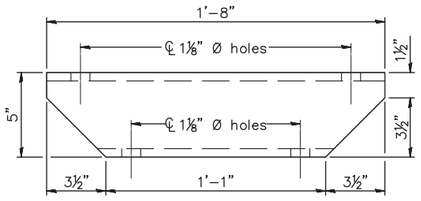
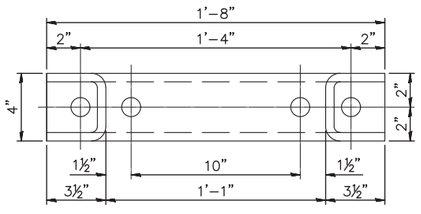


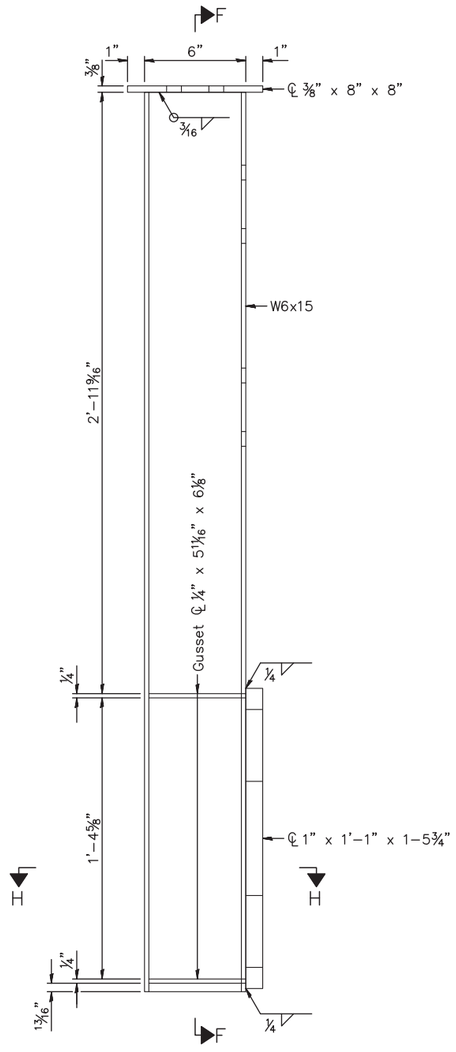
ISOMETRIC VIEWS POST ASSEMBLY



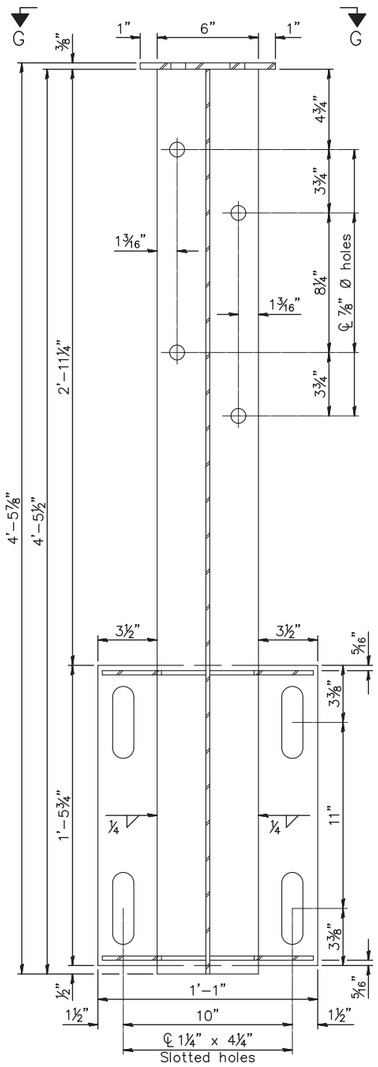
SPACER TUBE PLAN



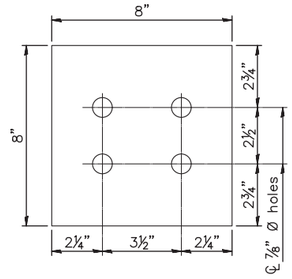
SPACER TUBE ELEVATION



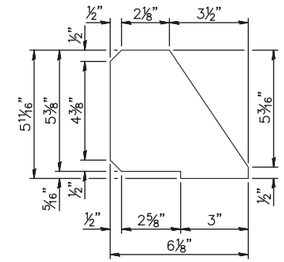
SIDE ELEVATION POST ASSEMBLY



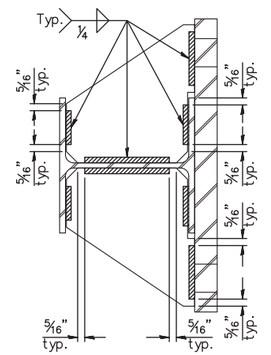
SECTION F–F



VIEW G–G
(Showing top plate)



GUSSET PLATE



SECTION H–H
(Showing gusset plate welds)

STEEL RAILING, TYPE IL-OH

R–40BD 4–4–2025

STRUCTURAL SHEET NO. 13 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

RAILING DETAILS

IMEG Project No: 24007592.00	File Name: 24007592-DECK.dwg
36	Field Book No: 368
Sheet 36 of 55	Drawn By: PJP
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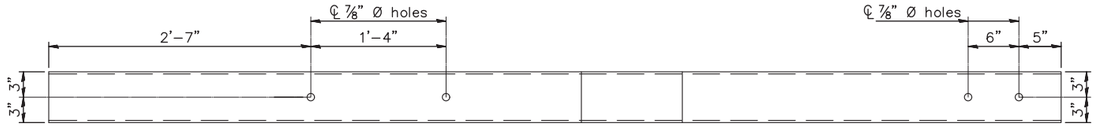
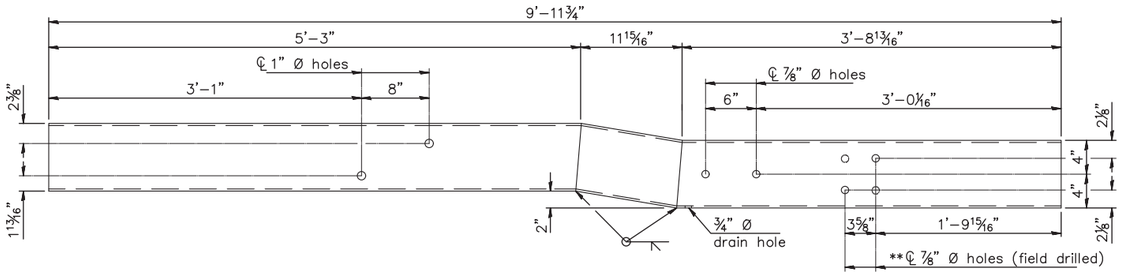
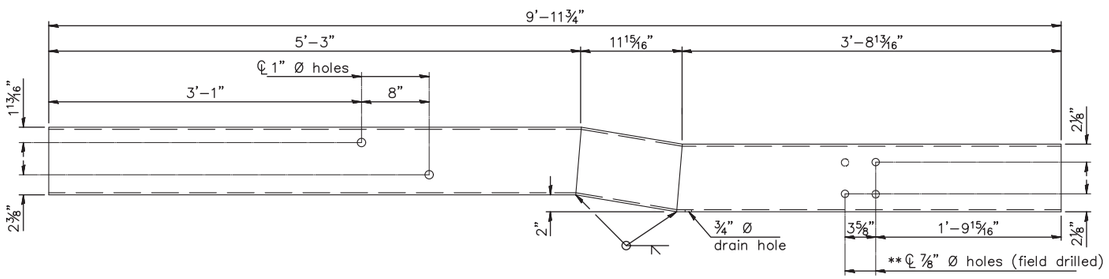


PLAN OF MIDDLE AND BOTTOM RAIL TRANSITION

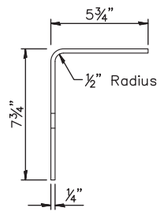


INSIDE ELEVATION OF LEFT MIDDLE RAIL TRANSITION

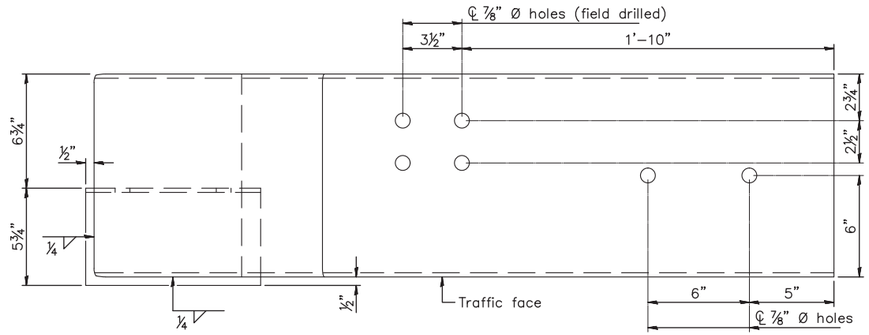


INSIDE ELEVATION OF LEFT BOTTOM RAIL TRANSITION

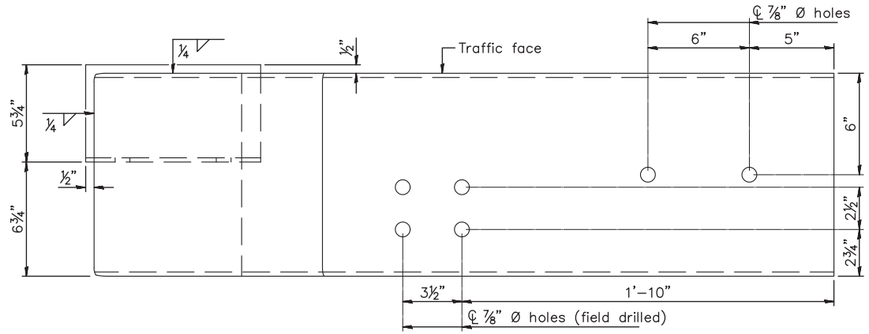
**Hole orientation is flipped as shown with the dashed holes for the right side piece.



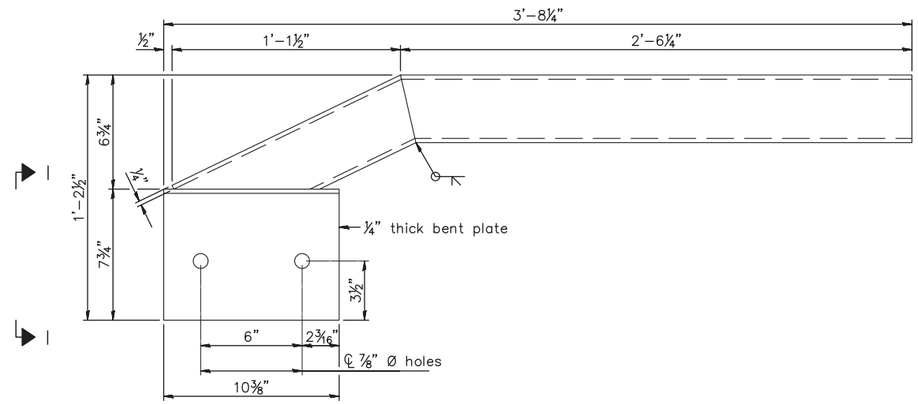
VIEW I-I



PLAN OF LEFT TOP RAIL TERMINATION ASSEMBLY



PLAN OF RIGHT TOP RAIL TERMINATION ASSEMBLY



INSIDE ELEVATION OF LEFT TOP RAIL TERMINATION ASSEMBLY
(Right Similar)

R-40BD 4-4-2025

STEEL RAILING, TYPE IL-OH

STRUCTURAL SHEET NO. 14 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

RAILING DETAILS

IMEG Project No: 24007592.00

37

Sheet 37 of 55

File Name: 24007592-DECK.dwg

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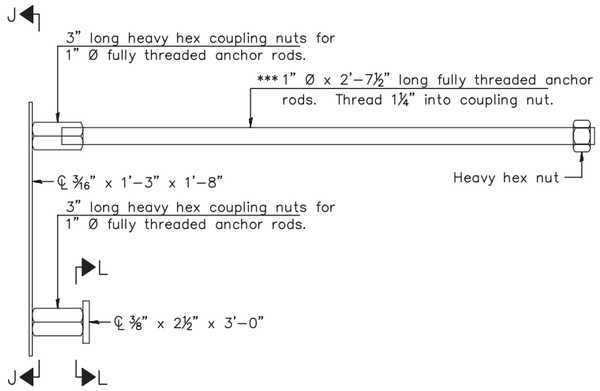
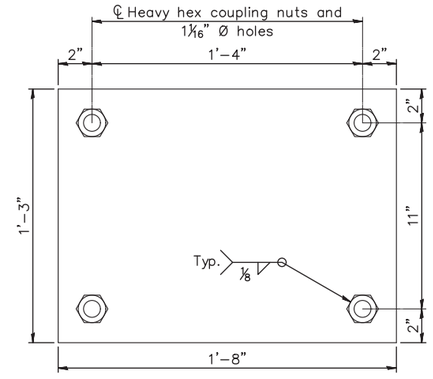
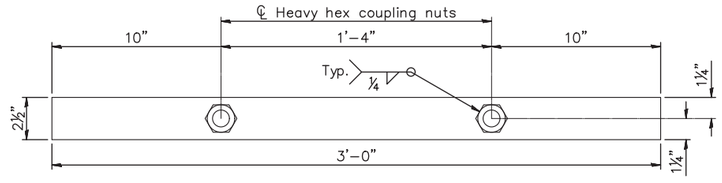


ANCHORAGE ASSEMBLY

*** For skewed bridge decks use 1" Ø x 1'–3" long fully threaded anchor rods at acute corners of bridge deck.



SECTION J–J



SECTION L–L

Notes:

All plates shall be AASHTO M270 grade 50.

All HSS tubing shall be ASTM A500 grade C.

All heavy hex nuts including heavy hex coupling nuts shall be according to ASTM A563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

All round head bolts shall be ASTM A449.

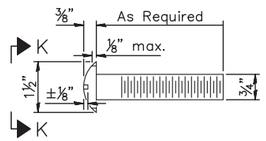
All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.

Rail splice inserts may be built out of 2 –⅜"bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.

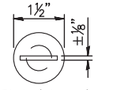
A sufficient number shims of various thicknesses, built to the dimensions shown in the shim plate detail, shall be provided to adjust posts for plumbness and horizontal alignment. Cost included with Steel Railing, Type IL–OH.

The spacer tubes shall be fastened to the bridge deck and bridge approach slab snug tight and given an additional ⅓ turn. The 1" diameter high strength bolts used to connect the spacer tubes to the post assemblies shall be tightened according to Article 505.04(f)(2) of the Standard Specifications.

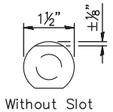
All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.



ROUND HEAD BOLT DETAIL



With Slot (shown) or Approved Recess



Without Slot or Recess

VIEW K–K

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type IL–OH	Foot	1,192

R–40BD 4–4–2025

STEEL RAILING, TYPE IL-OH

REVISIONS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

RAILING DETAILS

IMEG Project No: 24007592.00

38

Sheet 38 of 55

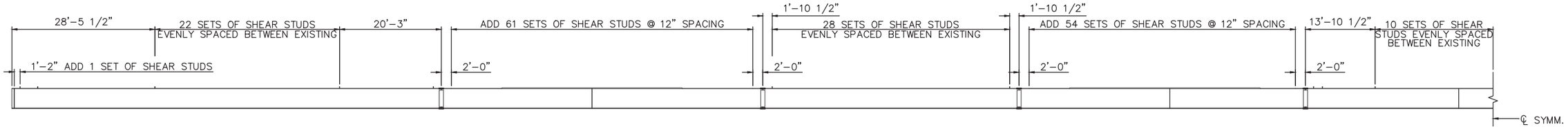
File Name: 24007592-DECK.dwg

Field Book No: 368

Drawn By: PJP

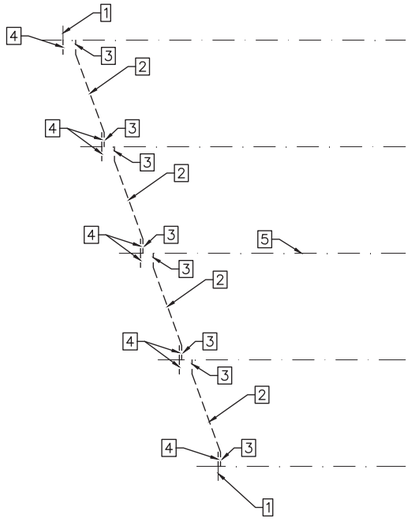
Checked By: ECM

Date: 02/23/2026



BEAM ELEVATION

SHEAR STUD LAYOUT

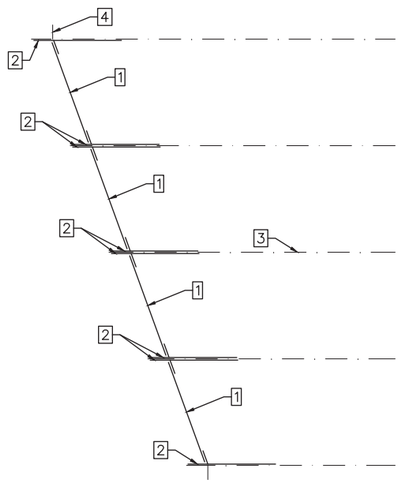


WEST ABUTMENT PLAN – DEMO

(West Abutment shown; East Abutment similar by 180° rotation)

KEY NOTES:

1	EXISTING STIFFENER TO REMAIN
2	REMOVE EXISTING DIAPHRAGM
3	REMOVE EXISTING CONNECTION PLATES
4	REMOVE EXISTING STIFFENERS
5	℄ OF EXISTING BEAM, TYP.

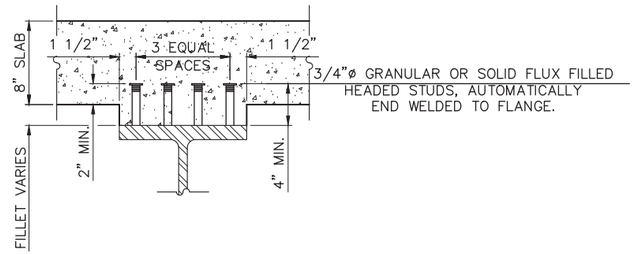


WEST ABUTMENT PLAN – NEW

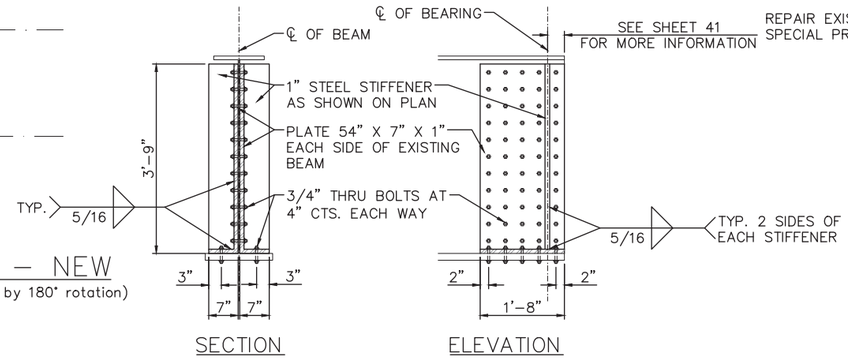
(West Abutment shown; East Abutment similar by 180° rotation)

KEY NOTES:

1	NEW DIAPHRAGM, SEE DETAIL ON SHEET 32.
2	BEAM REPAIR, SEE DETAILS THIS SHEET.
3	℄ OF EXISTING BEAM, TYP.
4	AFTER THE STIFFENER IS CLEANED, WELD A 1"X6"X12" FITTED STIFFENER PLATE TO THE EXISTING STIFFENER. USE A ¼"FILLET WELD ALL AROUND THE FITTED STIFFENER PLATE, WEST ABUTMENT ONLY



SHEAR STUD DETAIL



BEAM REPAIR DETAIL

BILL OF MATERIAL *

NUMBER	ITEM	UNIT	QUANTITY
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1

* See Special Provisions. Use of 12,000 pounds of steel is estimated. Contractor to verify

BILL OF MATERIAL

NUMBER	ITEM	UNIT	QUANTITY
50500505	SHEAR STUD CONNECTORS	EACH	7,040

PIER 1

PIER 2

PIER REPAIR DETAILS

BILL OF MATERIAL

NUMBER	ITEM	UNIT	QUANTITY
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES	SQ FT	30

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

SHEAR STUD PLAN & BEAM REPAIR

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39	Field Book No: 368
	Drawn By: PJP
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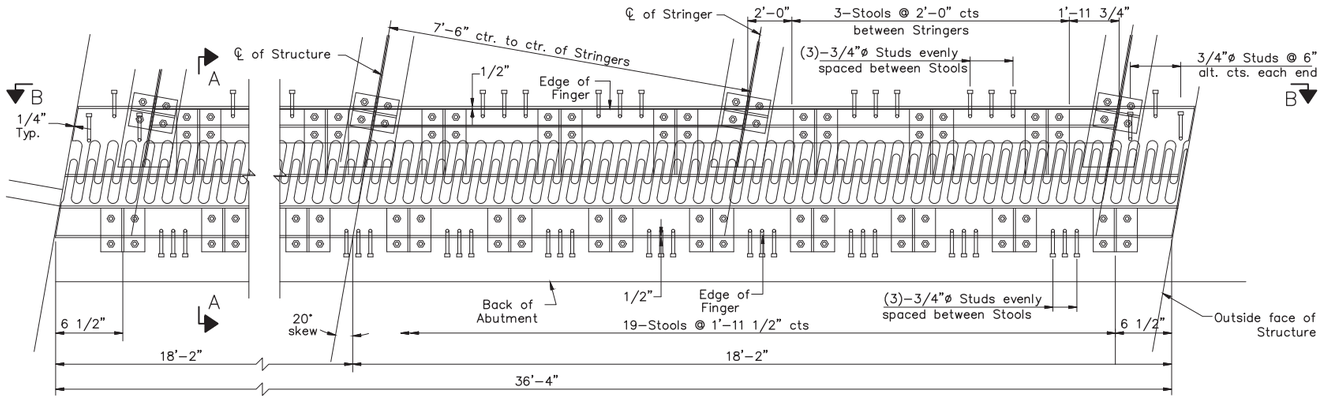
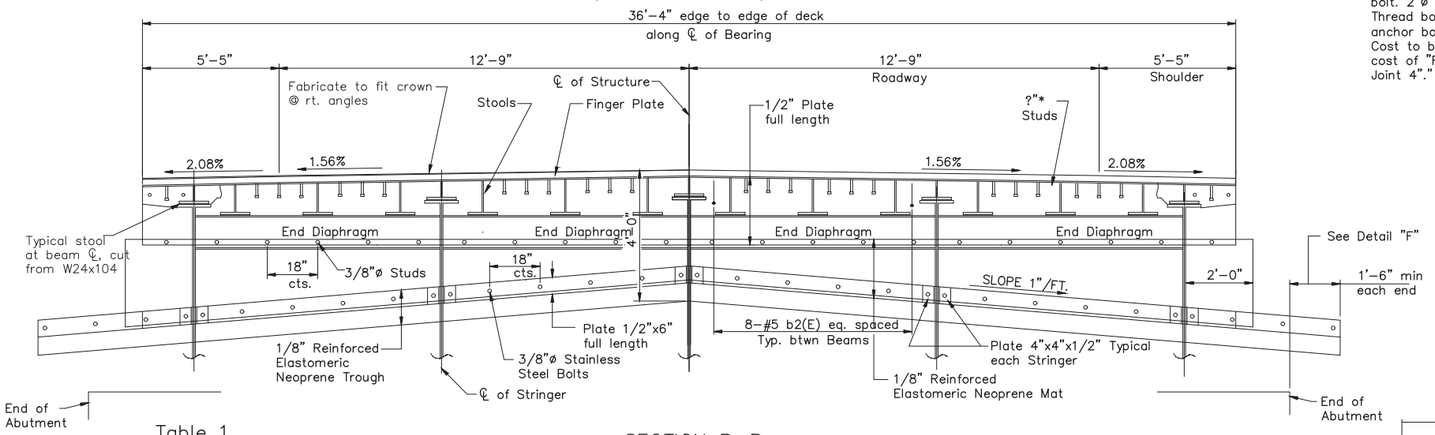
	Date: 02/23/2026



PLAN AT WEST ABUTMENT

(EAST ABUTMENT SIMILAR)

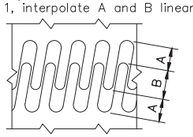


SECTION B–B

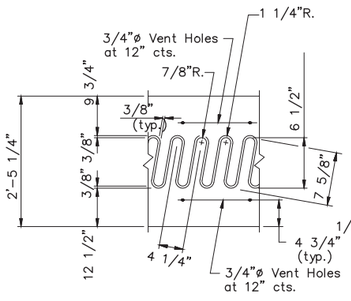
Table 1

	West Abut		East Abut	
temp (° F)	A (in.)	B (in.)	A (in.)	B (in.)
−20	3 1/4	4 3/8	4 1/2	3 1/8
0	2 7/8	4 3/4	4	3 5/8
20	2 1/2	5 1/8	3 3/8	4 1/4
40	2 1/8	5 1/2	2 7/8	4 3/4
50	2	5 5/8	2 5/8	5
60	1 7/8	5 3/4	2 3/8	5 1/4
80	1 1/2	6 1/8	1 7/8	5 3/4
100	1 1/8	6 1/2	1 1/4	6 3/8
120	3/4	6 7/8	3/4	6 7/8

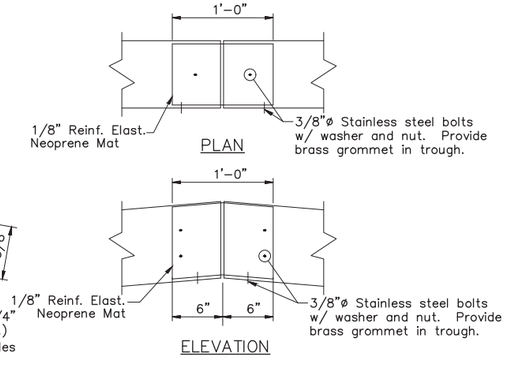
For Temperature other than shown in Table 1, interpolate A and B linearly.



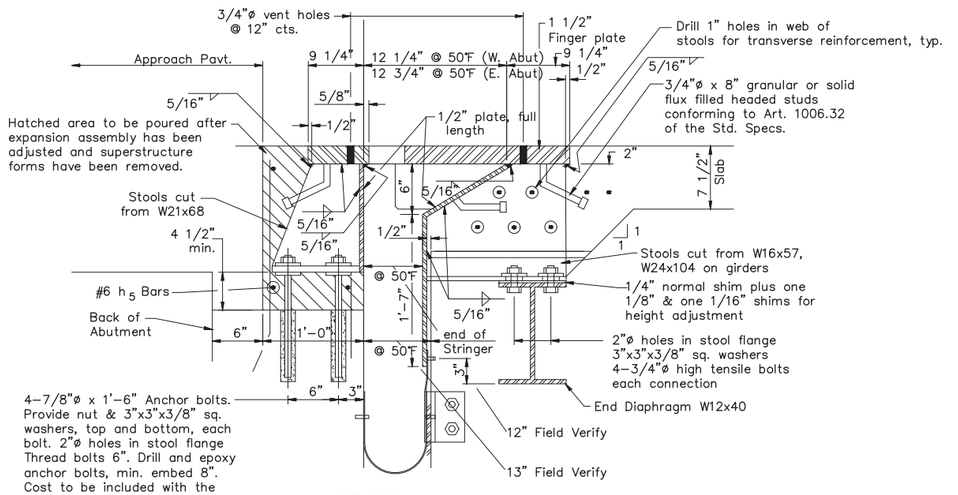
FINGER PLATE
SETTING DETAIL



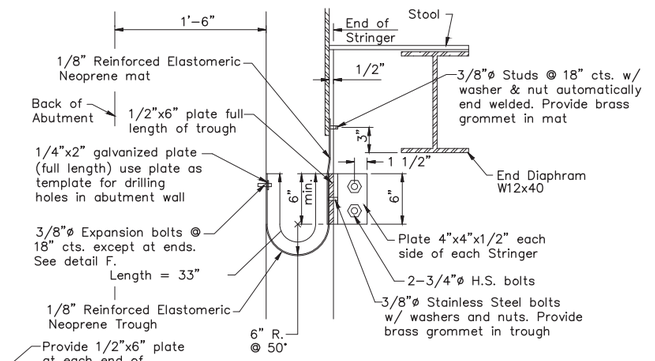
FINGER PLATE
CUTTING DETAIL



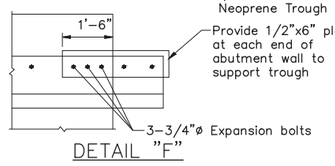
TYPICAL TROUGH SPLICE
AT CROWN



SECTION A–A



DETAIL – TROUGH ASSEMBLY



DETAIL "F"

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Finger Plate Expansion Joint, 4"	Foot	72.8

FINGER PLATE
EXPANSION JOINT DETAILS

STRUCTURAL SHEET NO. 17 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

JOINT DETAILS

IMEG Project No: 24007592.00	File Name: 24007592-DECK.dwg
40	Field Book No: 368
Sheet 40 of 55	Drawn By: PJP
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	Date: 02/23/2026

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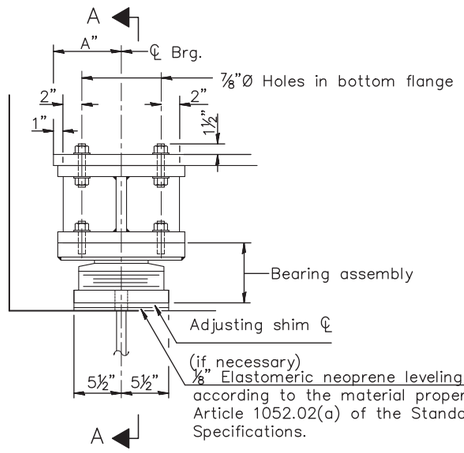
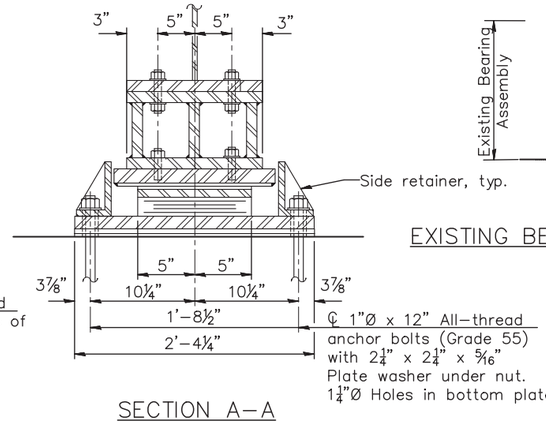
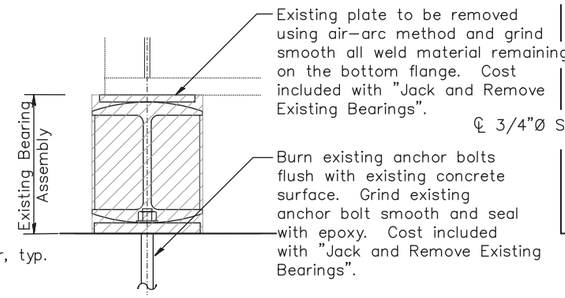


ELEVATION AT ABUT.

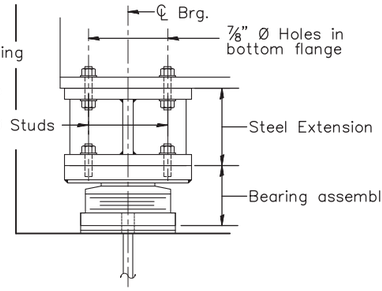


SECTION A–A

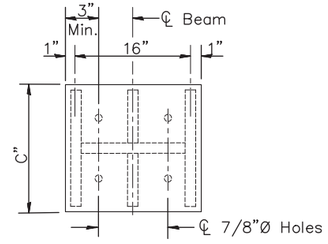
TYPE II ELASTOMERIC EXP. BRG.



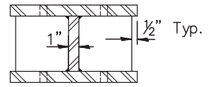
EXISTING BEARING REMOVAL DETAIL



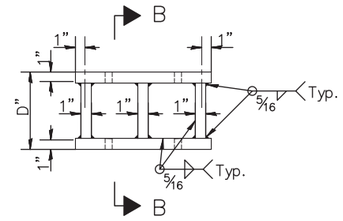
ELEVATION



PLAN STEEL EXTENSION

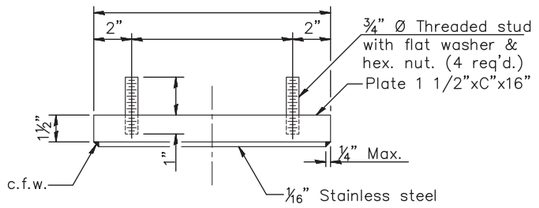


SECTION B–B

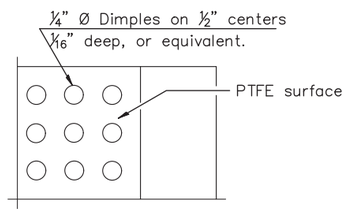


ELEVATION STEEL EXTENSION

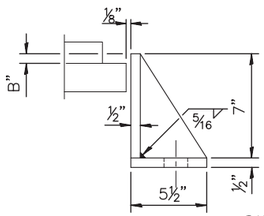
Note:
Prior to ordering material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.



TOP BEARING ASSEMBLY

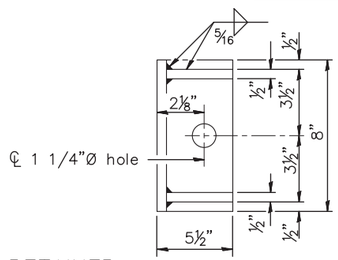


PLAN–PTFE SURFACE



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



Notes:
Side retainers, anchor bolts and leveling pad required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II.

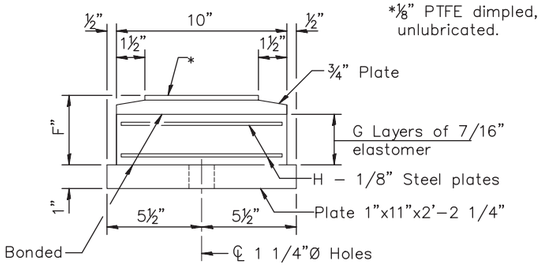
The ⅛" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of ⅛" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

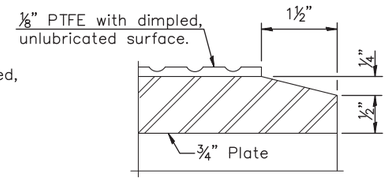
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates and shims and placed as shown on the bearing details.

The structural steel plates of the bearing assembly shall conform to the requirements of AASHTO M270, Grade 50.



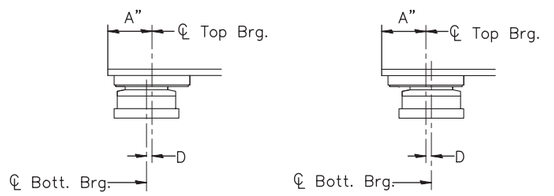
*⅛" PTFE dimpled, unlubricated.

BOTTOM BEARING ASSEMBLY



SECTION THRU PTFE

	WEST ABUT.	EAST ABUT.
A	6 3/4"	7 3/8"
B	1 5/16"	3/4"
C	11 1/2"	12 3/4"
D	7"	6 7/16"
E	7 1/2"	8 3/4"
F	4 1/8"	4 11/16"
G	6"	7"
H	5"	6"



D=⅛" per each 100° of expansion for every 15° temp. change from the normal temp. of 50°F.

EXPANSION BEARING ORIENTATION

The above diagrams are for informational purposes only to show the amount of expected offset "D" for the current temperature in the field.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	10

I–2E–2 6–15–2019

BEARING DETAILS

STRUCTURAL SHEET NO. 18 OF 18 SHEETS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

BEARING TYPE II

IMEG Project No: 24007592.00

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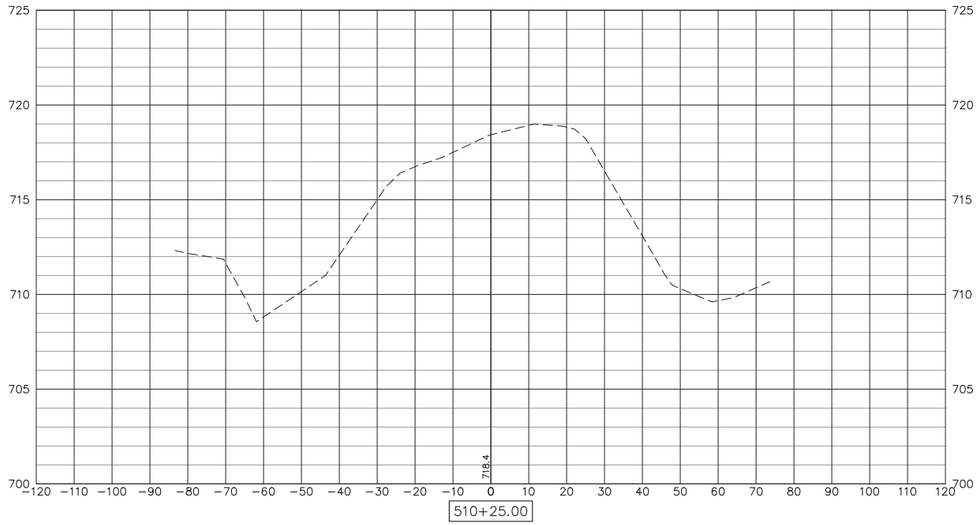

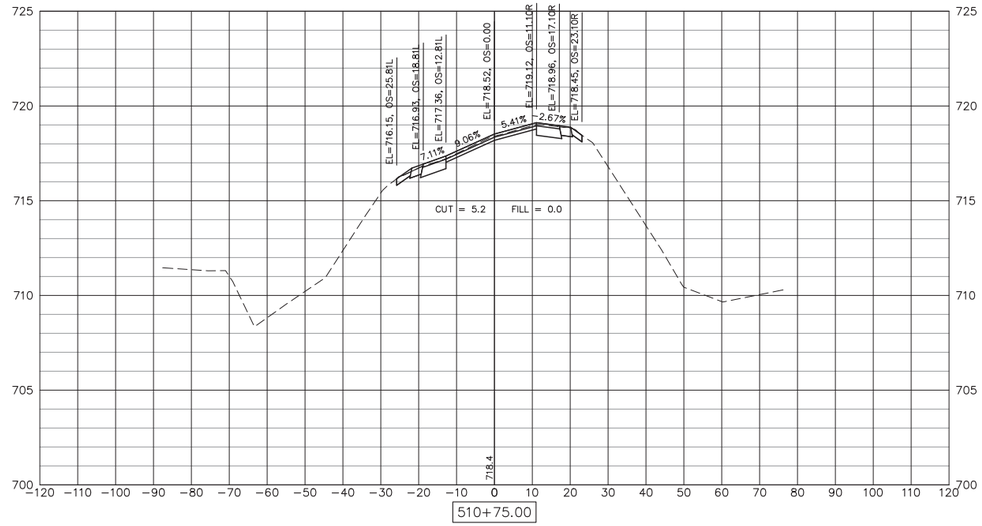

BEGIN CONSTRUCTION STA 510+47.00 (BK)

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

CROSS SECTIONS

IMEG Project No: 24007592.00

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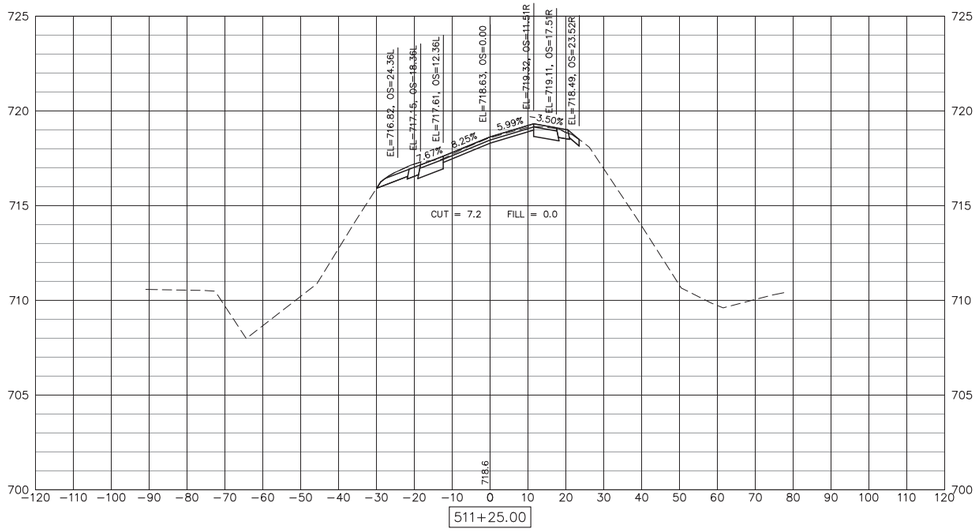

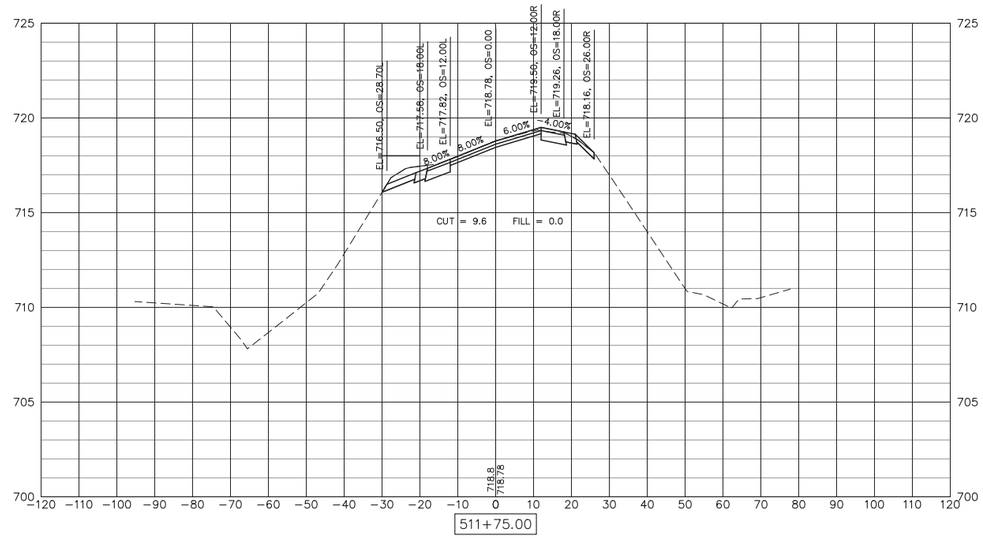

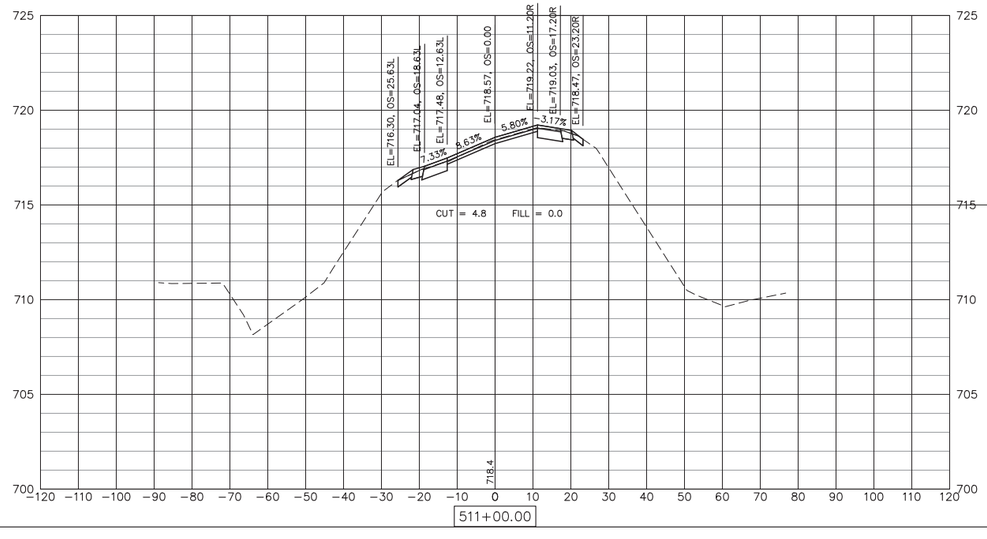

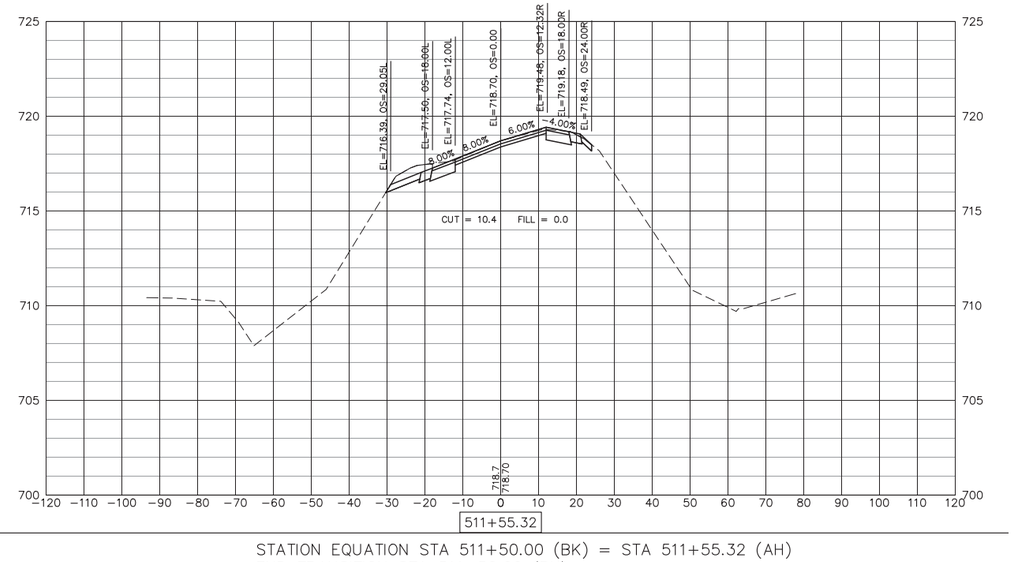

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END TRANSITION STA 511+50.00 (BK)
BEGIN IMPROVEMENTS

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ROSCOE, ILLINOIS

CROSS SECTIONS

IMEG Project No: 24007592.00

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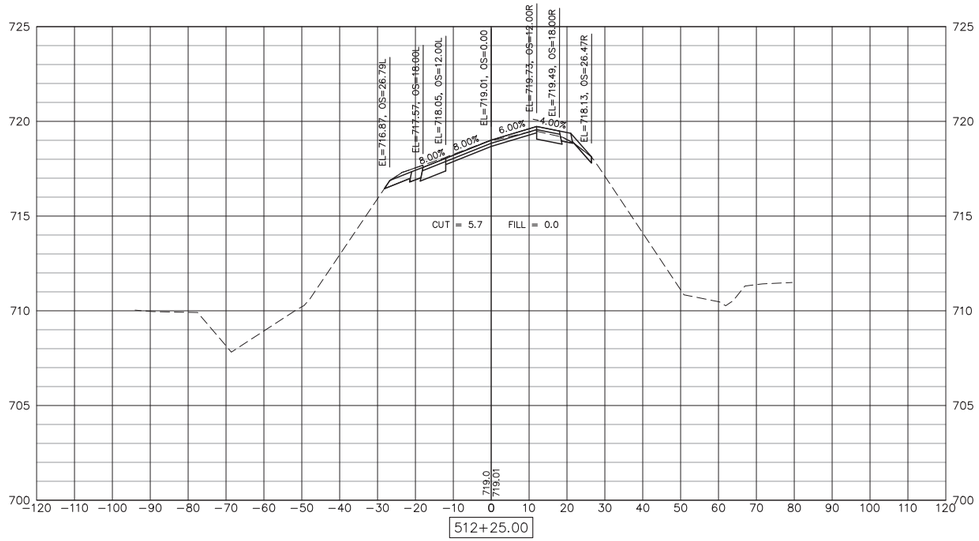

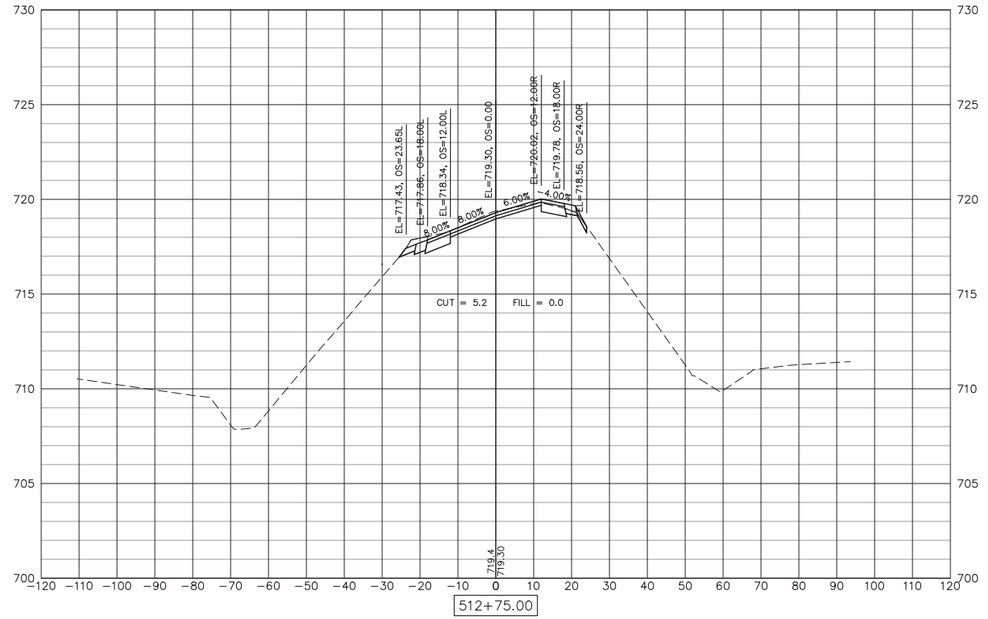

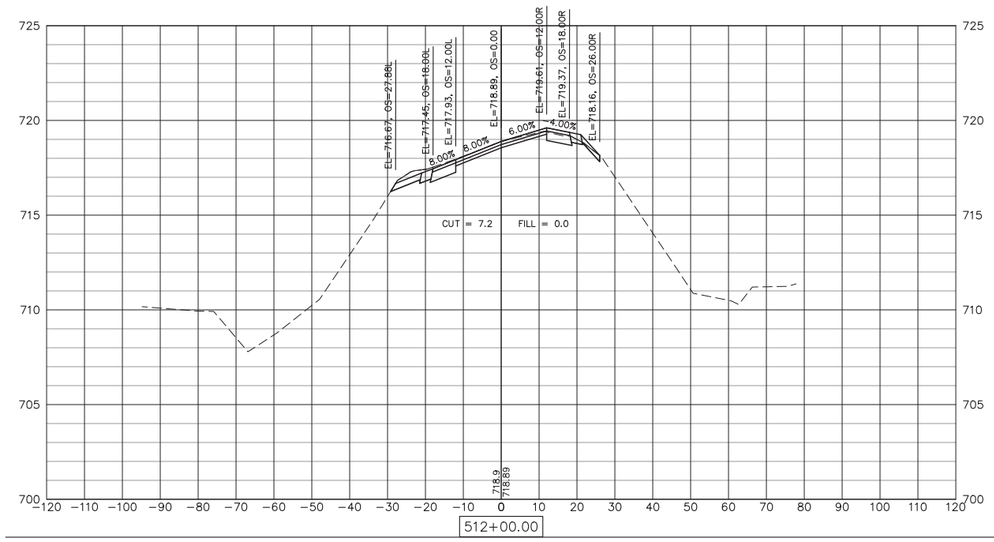

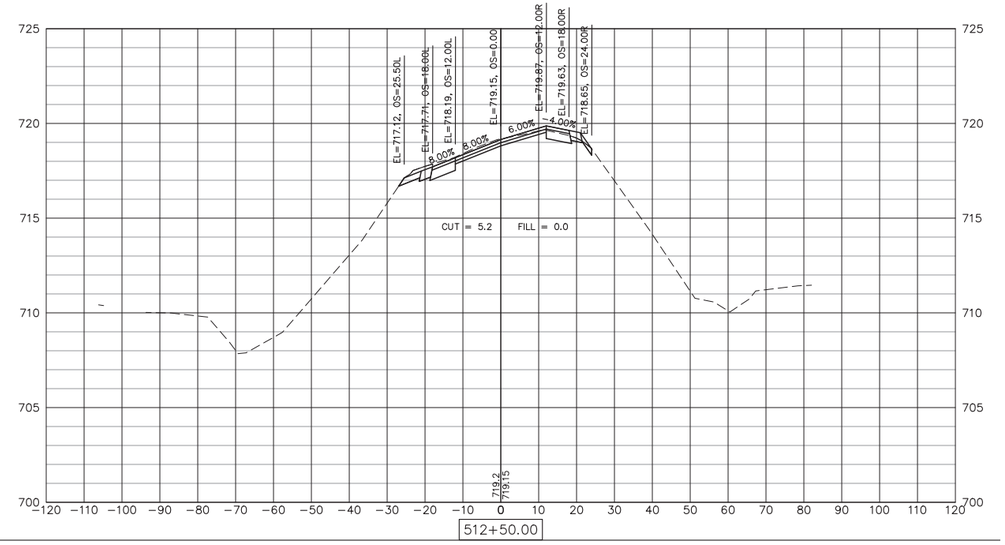

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ROSCOE, ILLINOIS

CROSS SECTIONS

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Sheet 44 of 55

File Name: 24007592-XSEC.dwg

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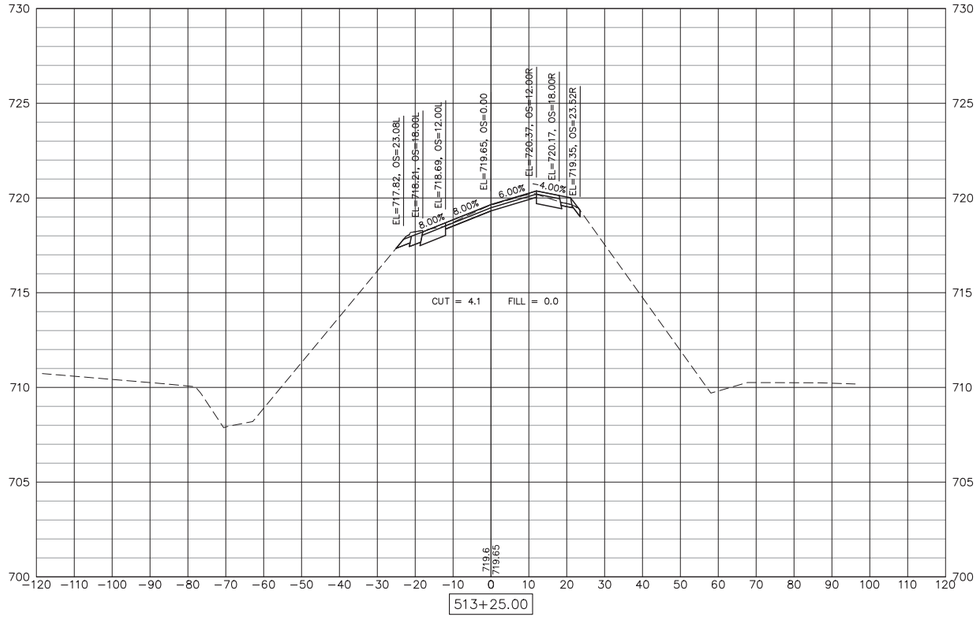

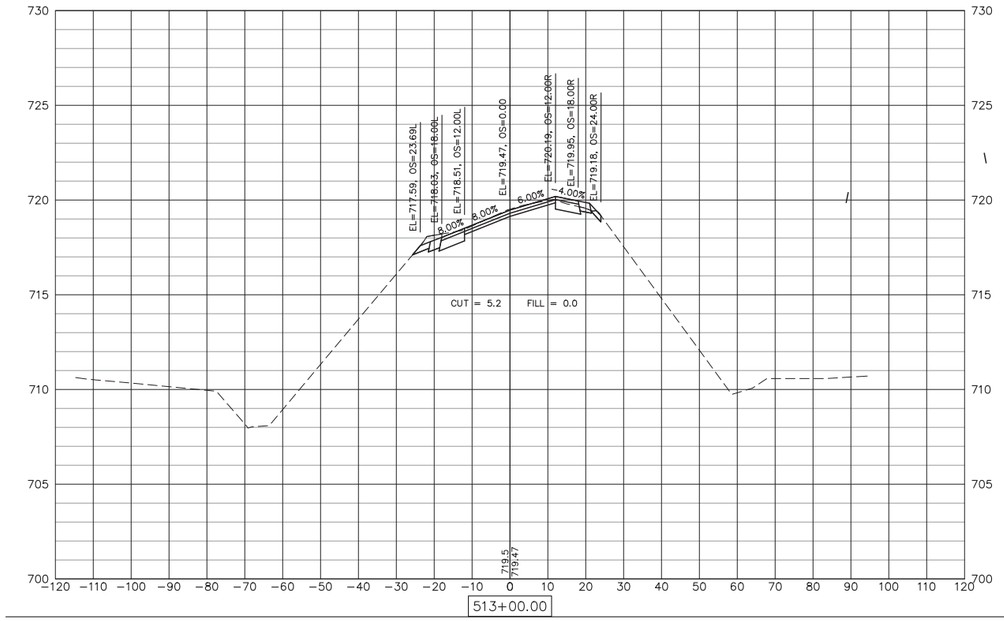

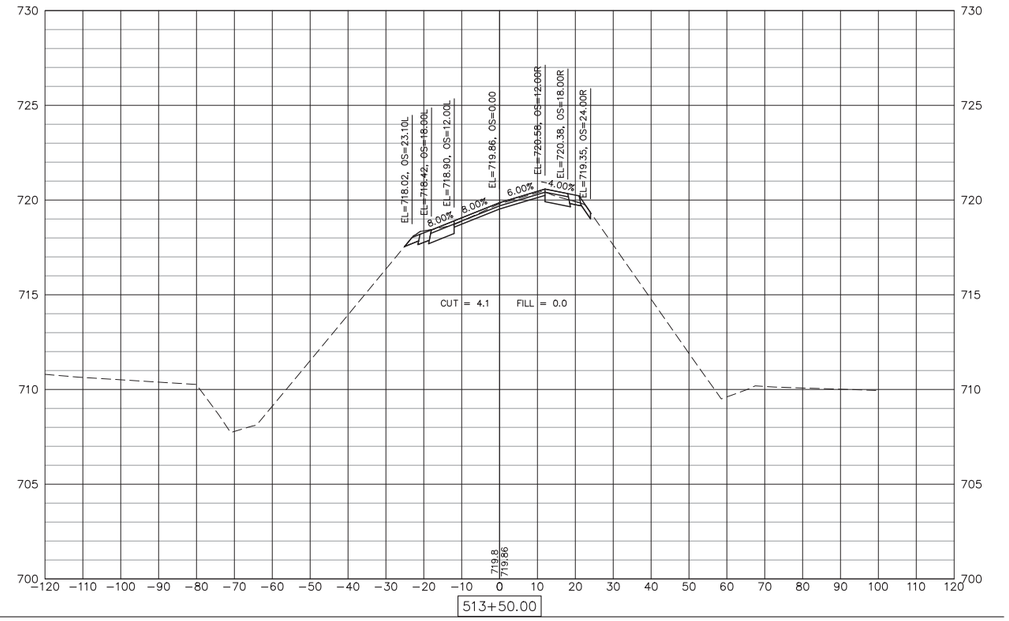

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ROSCOE, ILLINOIS

CROSS SECTIONS

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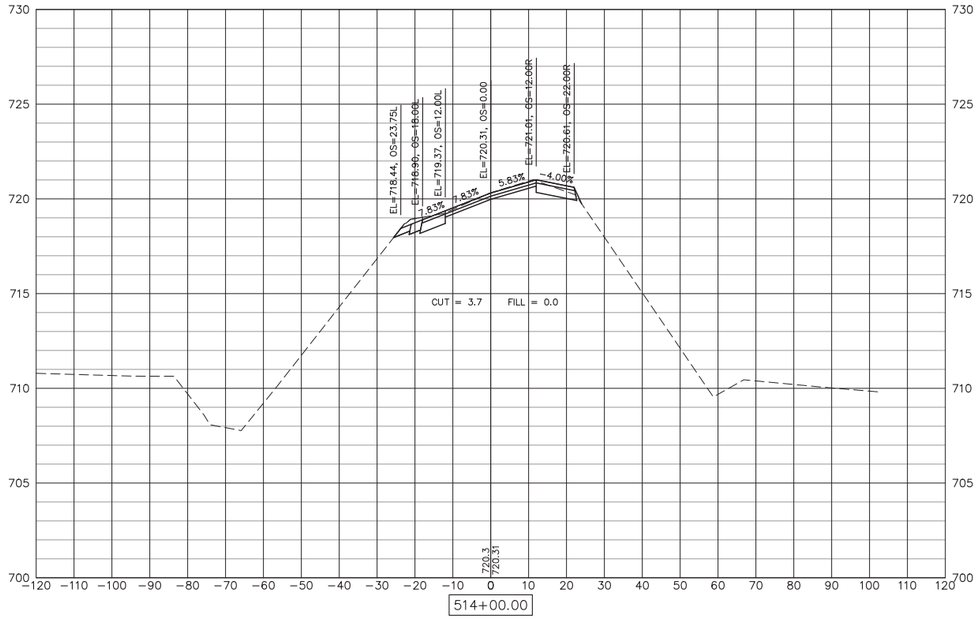

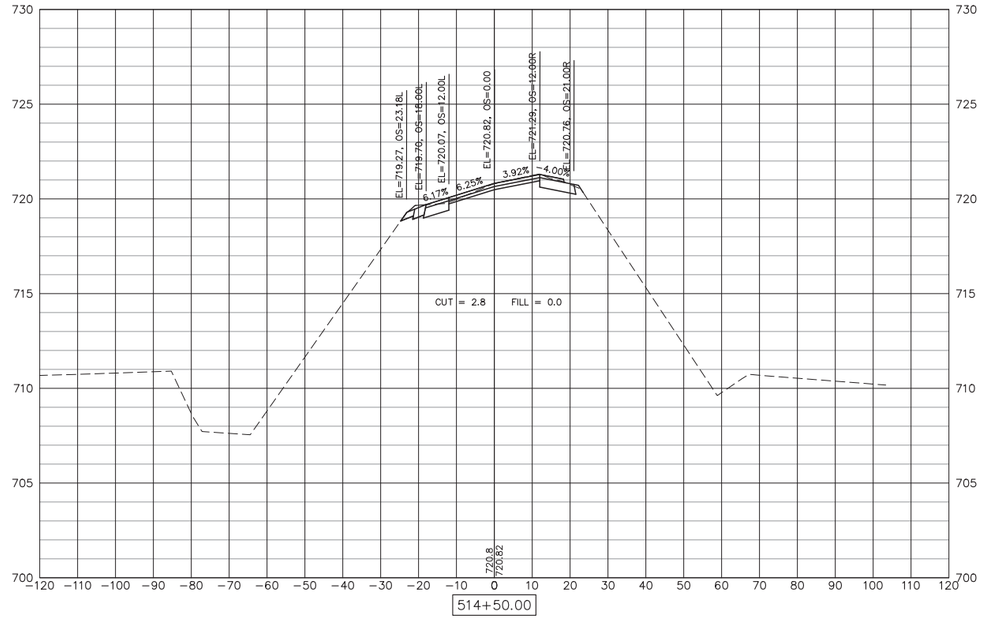

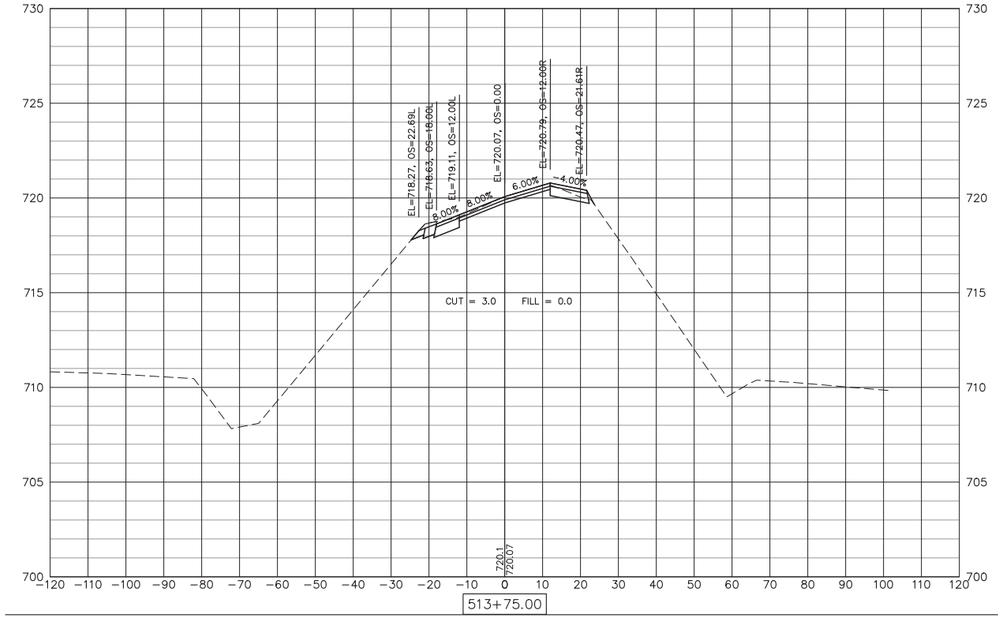

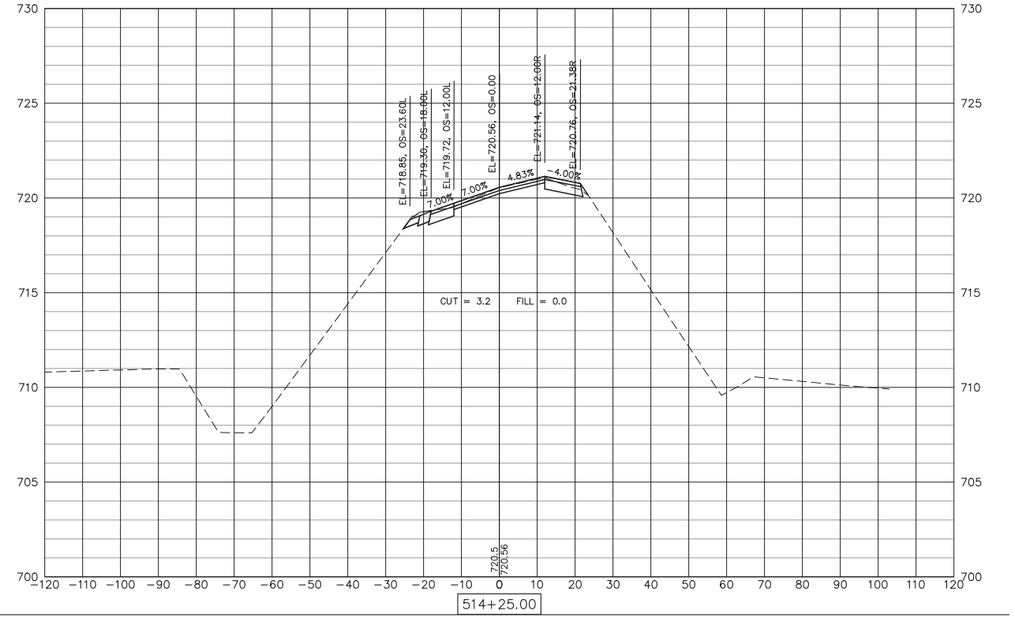

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

CROSS SECTIONS

IMEG Project No: 24007592.00

46

Sheet 46 of 55

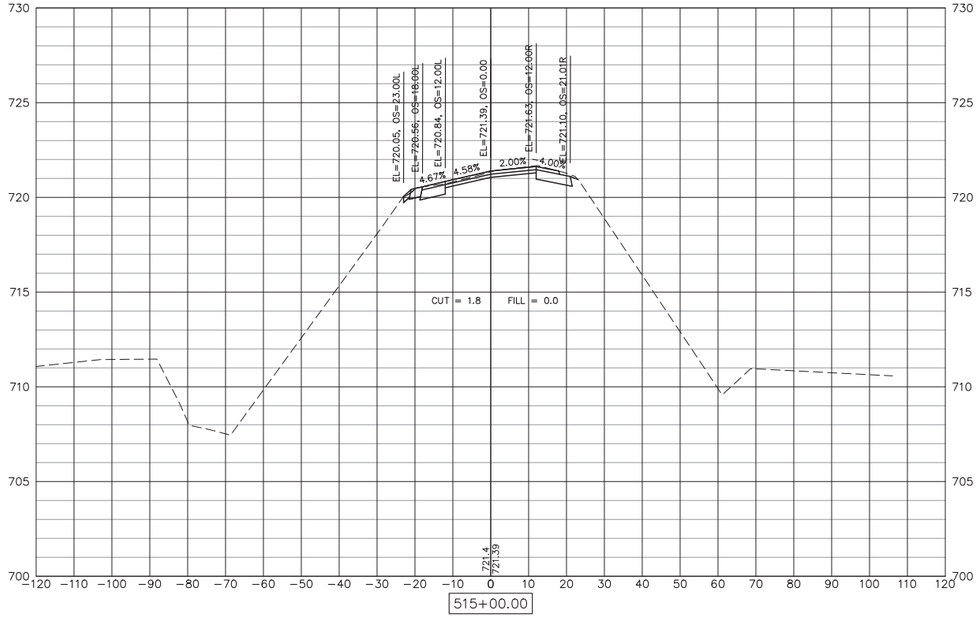
File Name: 24007592-XSEC.dwg

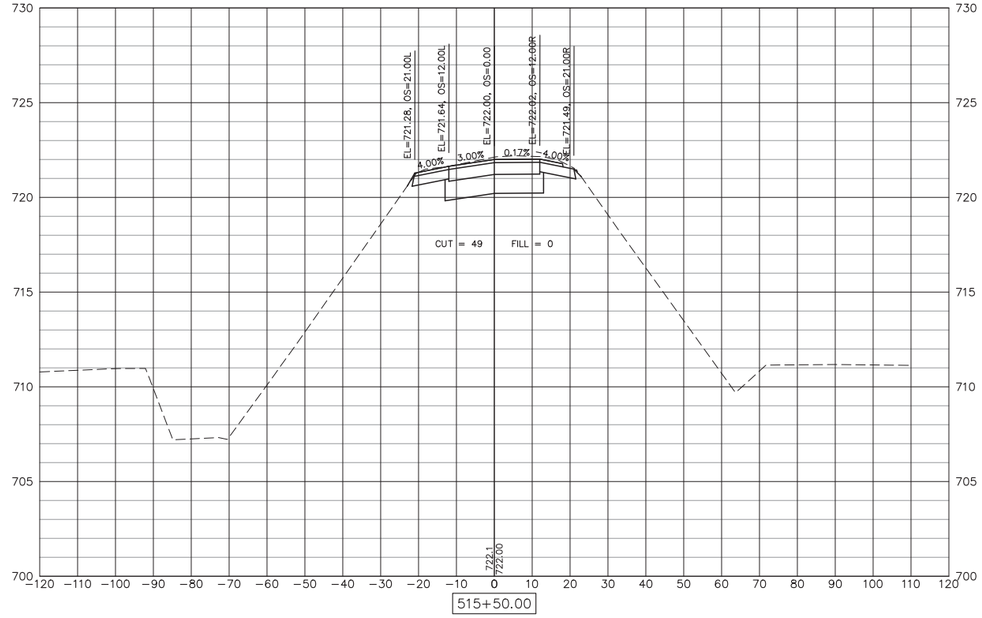
Field Book No: ####

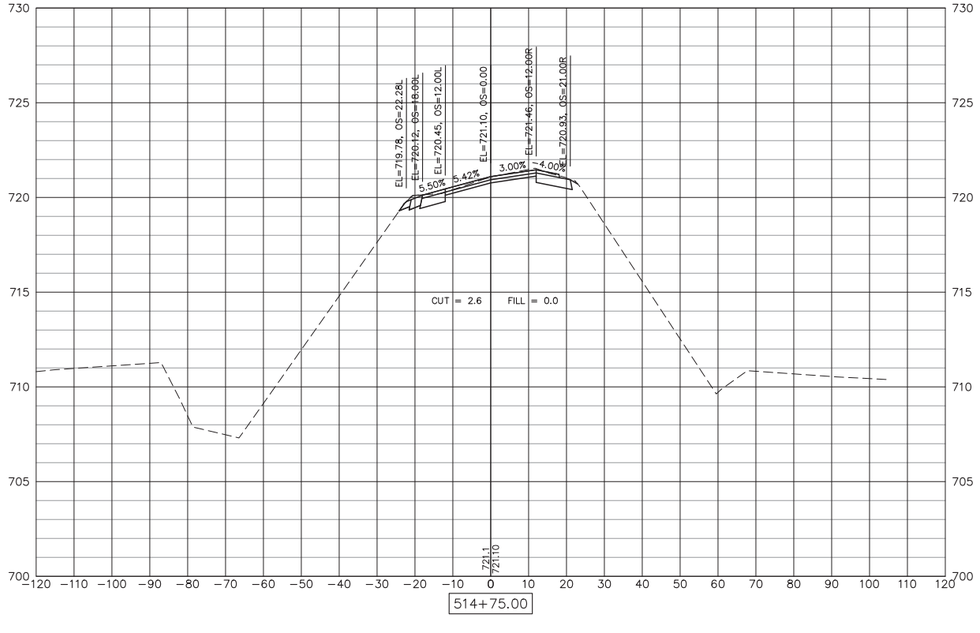
Drawn By: PJP

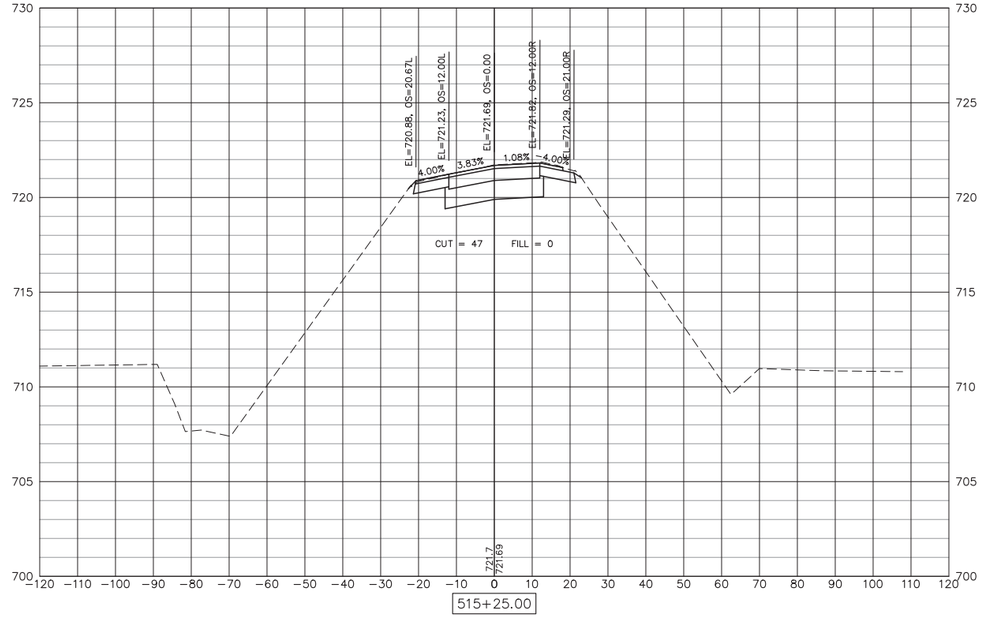
Checked By: ECM

Date: 02/23/2026









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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

CROSS SECTIONS

IMEG Project No: 24007592.00

47

Sheet 47 of 55

File Name: 24007592-XSEC.dwg
Field Book No: ####
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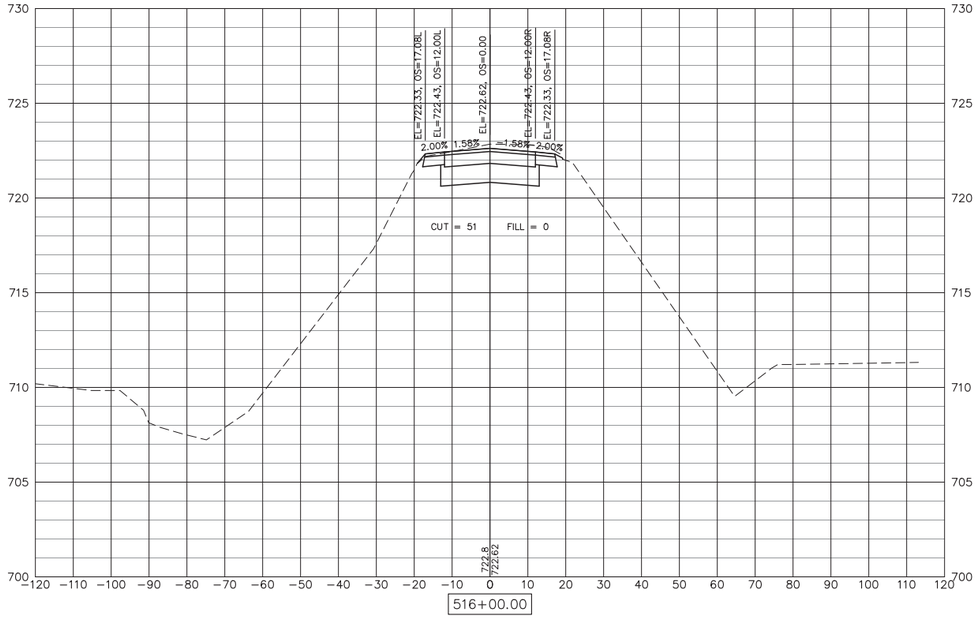
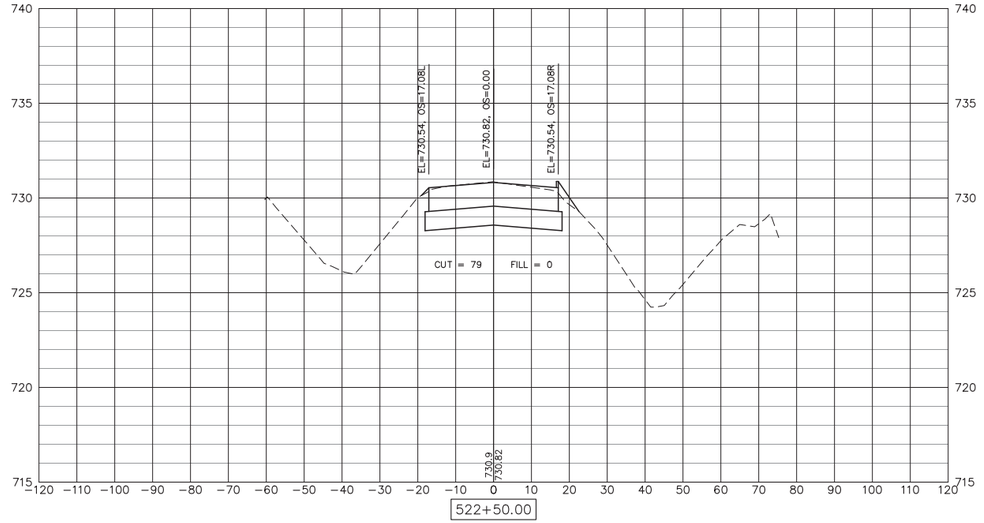
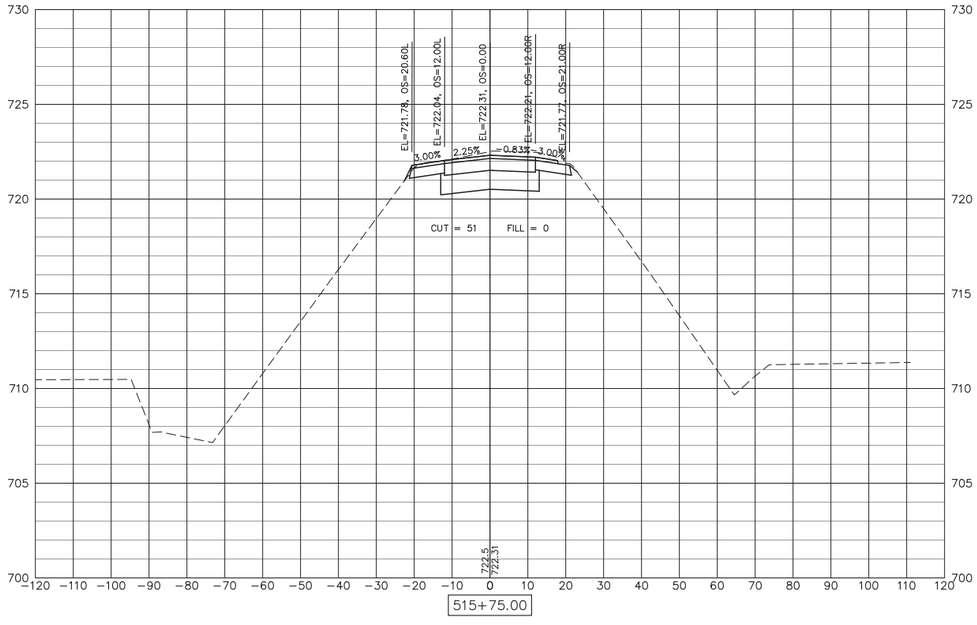
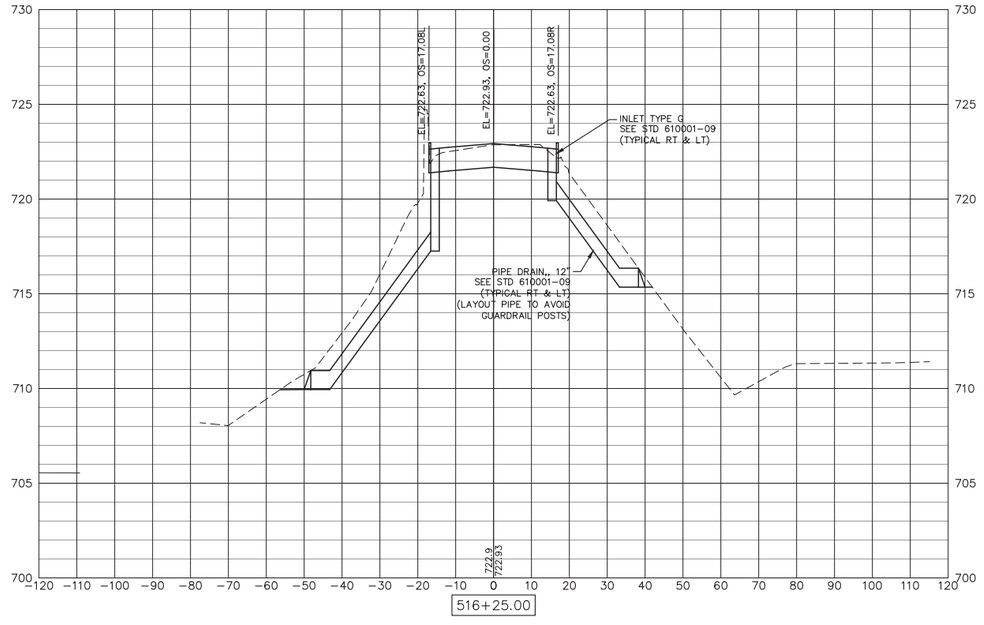
Date: 02/23/2026









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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

CROSS SECTIONS

IMEG Project No: 24007592.00	File Name: 24007592-XSEC.dwg
48	Field Book No: ####
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	Date: 02/23/2026

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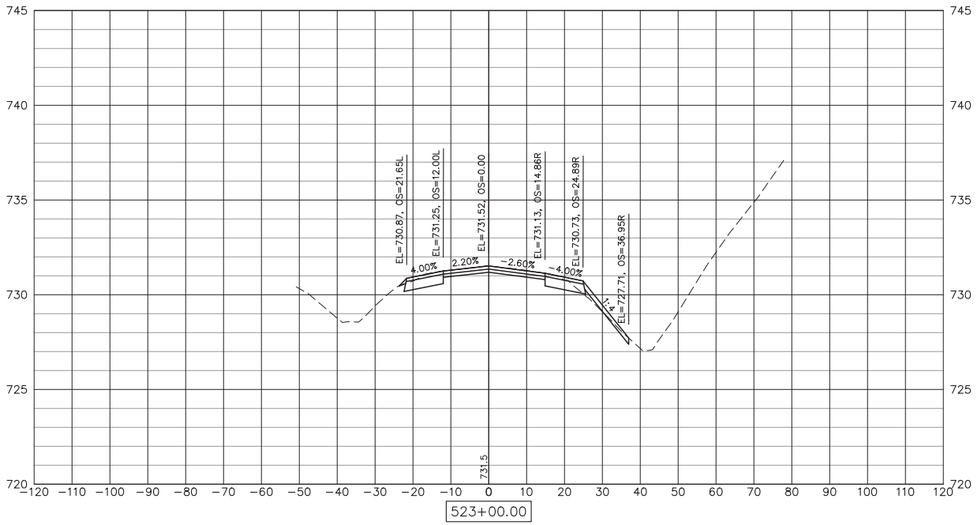
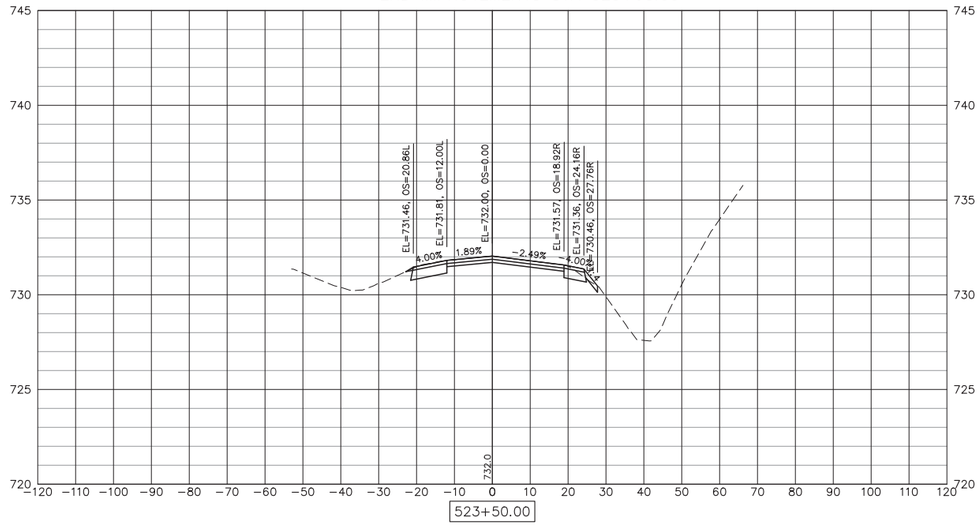
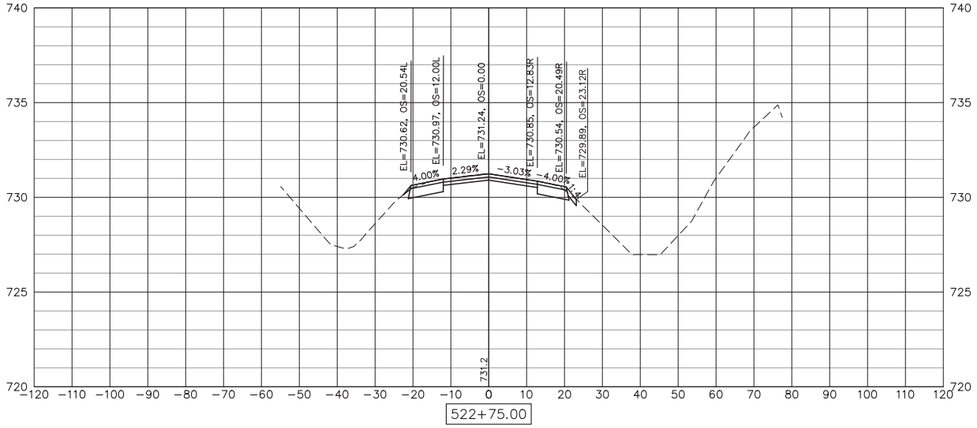
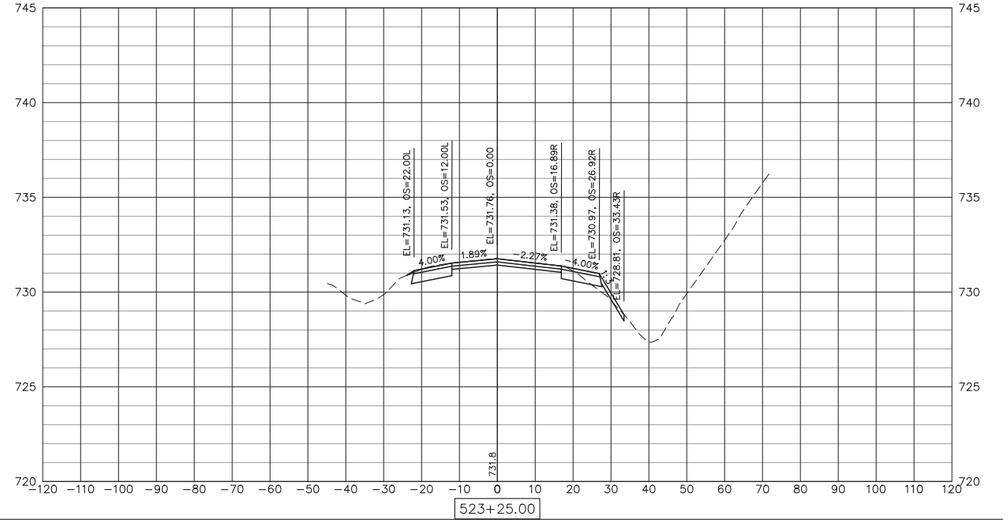


END IMPROVEMENTS STA 523+65.00







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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

CROSS SECTIONS

IMEG Project No: 24007592.00

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Sheet 49 of 55

File Name: 24007592-XSEC.dwg

Field Book No: ####

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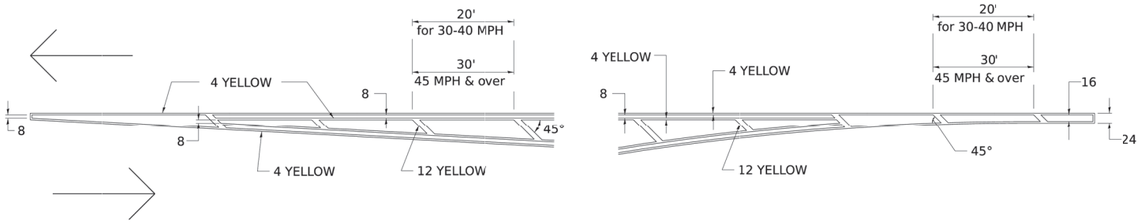
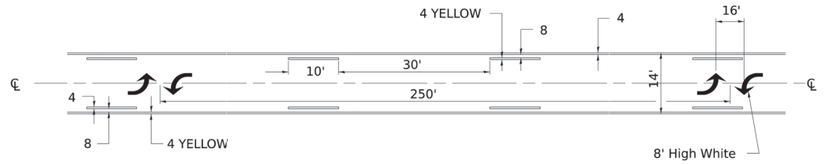
TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

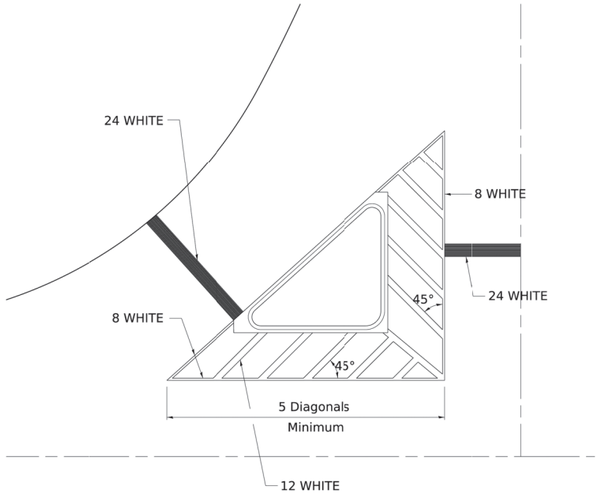


MEDIAN PAVEMENT MARKING



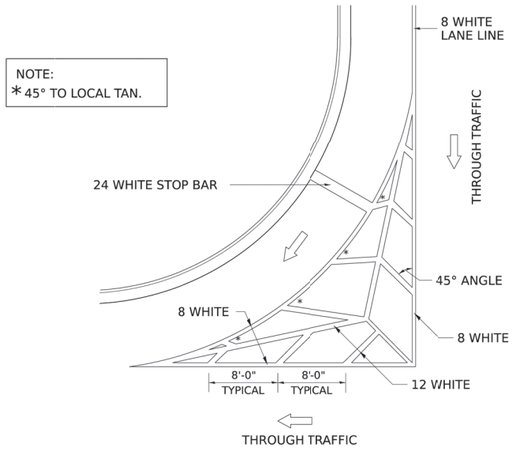
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



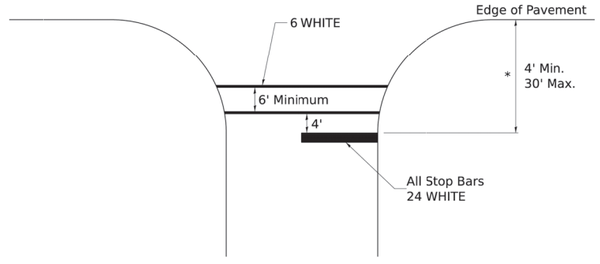
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

MODEL: 41st1_sheet1
FILE NAME: DISTRICT 2 STANDARD

USER NAME = IDOT / DISTRICT 2	DESIGNED -	REVISED -	6-27-14
	DRAWN -	REVISED -	3-05-12
	CHECKED -	REVISED -	
PLOT DATE = 10/8/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

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

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 5 41.1

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ROSCOE ROAD BRIDGE REHABILITATION
ROSCOE, ILLINOIS
DISTRICT STANDARD 41.1

IMEG Project No: 24007592.00
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Sheet 50 of 55

File Name: 24007592-D2 STANDARDS.dwg
Field Book No: 368
Drawn By: PJP
Checked By: ECM
Date: 02/23/2026

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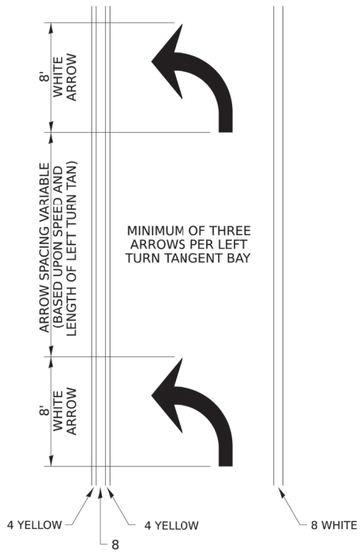
TYPICAL PAVEMENT MARKINGS

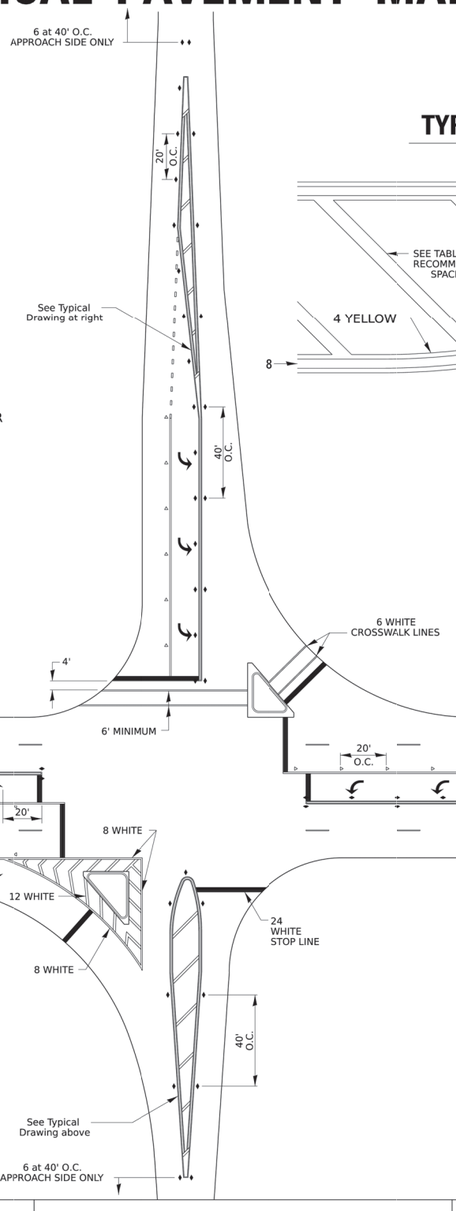
ARROW LAYOUT



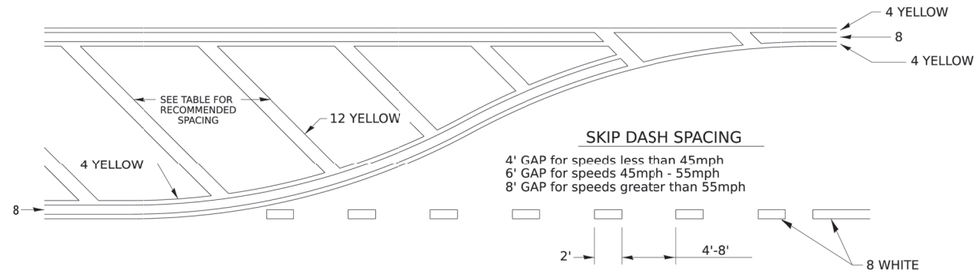
SYMBOLS

- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER
- TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.

MODEL: 41st1_sheet2
FILE NAME: DISTRICT 2 STANDARD

USER NAME = IDOT / DISTRICT 2	DESIGNED -	REVISED -	6-27-14
	DRAWN -	REVISED -	3-05-12
	CHECKED -	REVISED -	
PLOT DATE = 10/8/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

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

TYPICAL PAVEMENT MARKINGS SHEET 2 OF 5 41.1

REVISIONS

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

DISTRICT STANDARD 41.1

IMEG Project No: 24007592.00

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File Name: 24007592-D2 STANDARDS.dwg
Field Book No: 368
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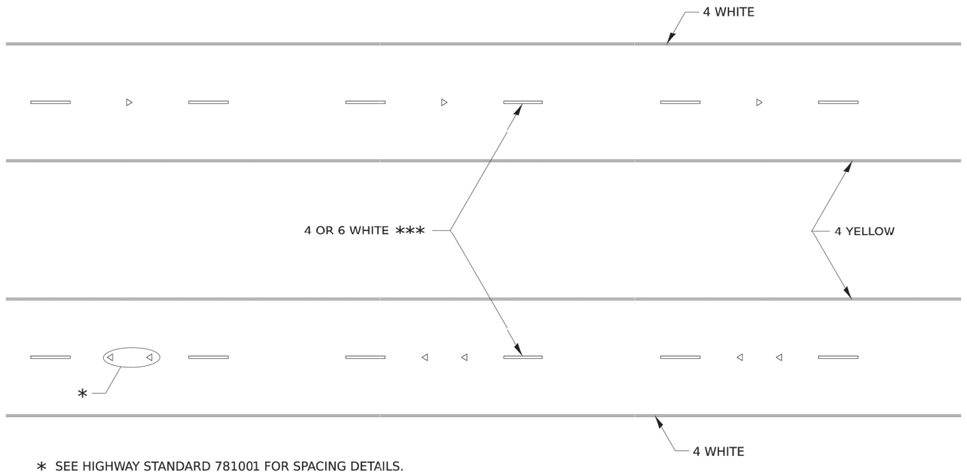
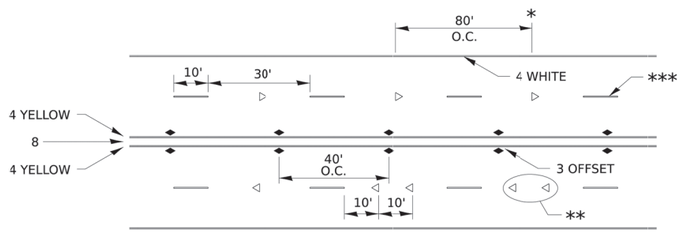
TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT ≥ 20,000.

MULTI–LANE / DIVIDED



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

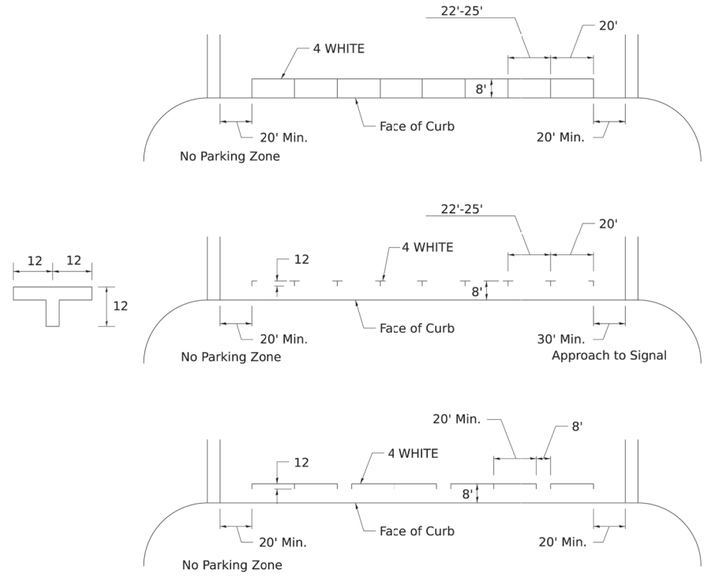
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

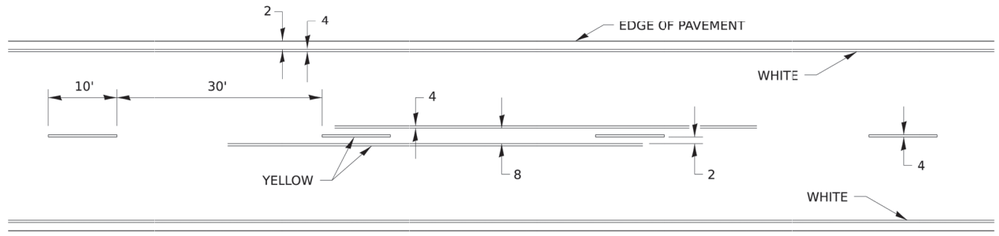
MULTI–LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



MODEL: 41st1_sheet3
FILE NAME: DISTRICT 2 STANDARD

USER NAME = IDOT / DISTRICT 2	DESIGNED -	REVISED -	6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	8-27-13	REGION 2 / DISTRICT 2 STANDARD
	CHECKED -	REVISED -	11-28-12	SCALE: SHEET OF SHEETS STA. TO STA.
PLOT DATE = 10/8/2025	DATE -	REVISED -		

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		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS SHEET 3 OF 5 41.1

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ROSCOE ROAD BRIDGE REHABILITATION
ROSCOE, ILLINOIS
DISTRICT STANDARD 41.1

IMEG Project No: 24007592.00
52
Sheet 52 of 55

File Name: 24007592-D2 STANDARDS.dwg
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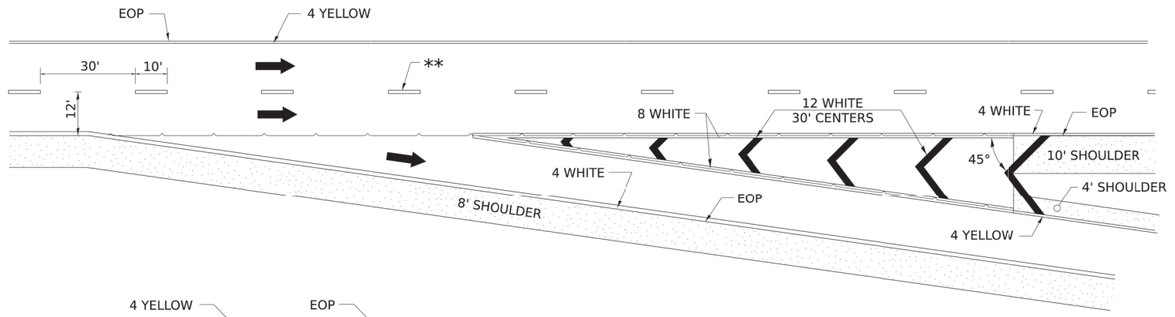
TYPICAL PAVEMENT MARKINGS

** 6" WHITE ON INTERSTATES, WHERE THE SPPED LIMIT IS 65 MPH, OR WHEN DIRECTED BY THE ENGINEER.

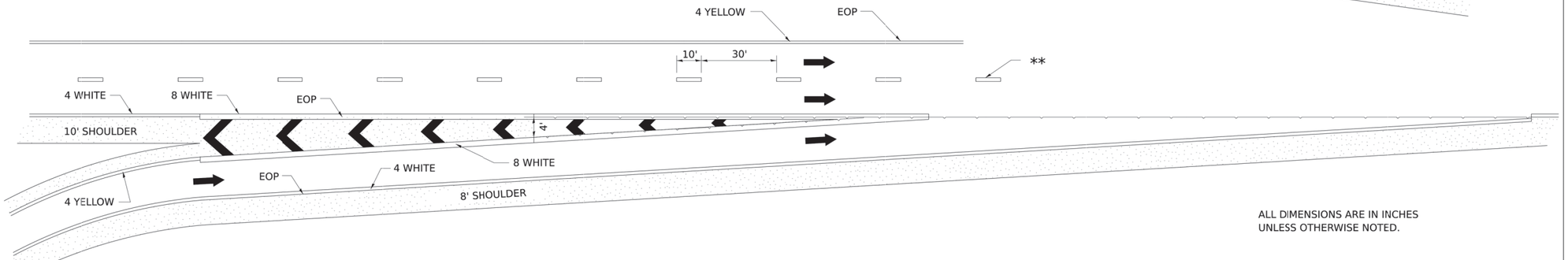
4" WIDE AT ALL OTHER LOCATIONS.

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN THE PLANS

EXIT RAMP



ENTRANCE RAMP



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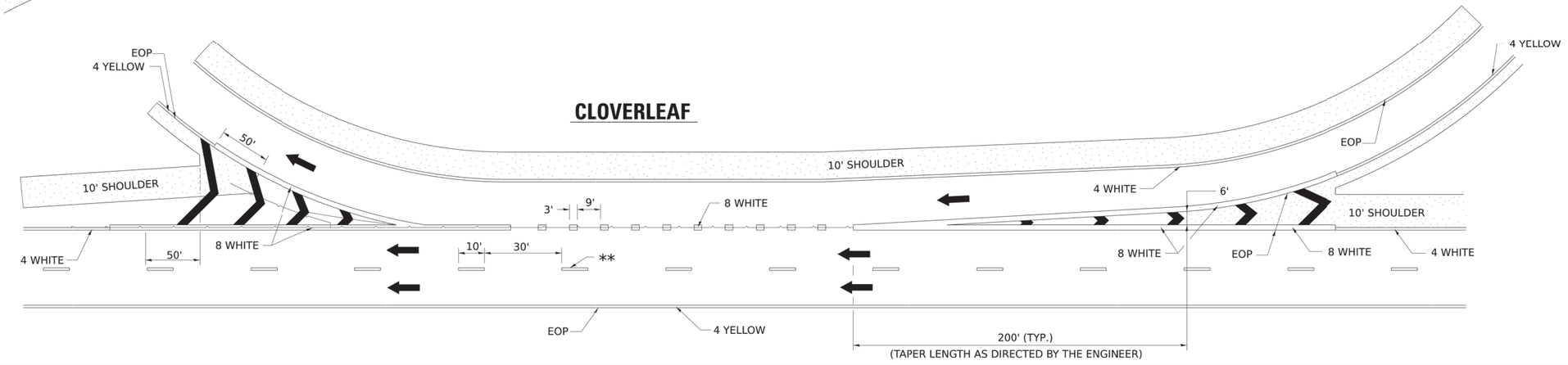
CLOVERLEAF



MODEL: 41pt1_sheet4
FILE NAME: DISTRICT 2 STANDARD

USER NAME = IDOT / DISTRICT 2	DESIGNED -	REVISED -	9-15-23
	DRAWN -	REVISED -	8-27-13
	CHECKED -	REVISED -	10-18-11
PLOT DATE = 10/8/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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		CONTRACT NO.		
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TYPICAL PAVEMENT MARKINGS SHEET 4 OF 5 41.1

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ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

DISTRICT STANDARD 41.1

IMEG Project No: 24007592.00

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File Name: 24007592-D2 STANDARDS.dwg
Field Book No: 368
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Monday, February 23, 2026 7:02:50 AM
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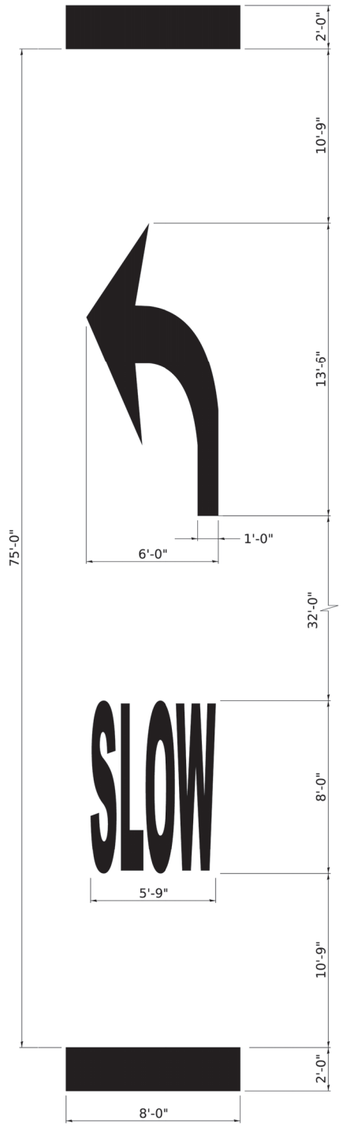
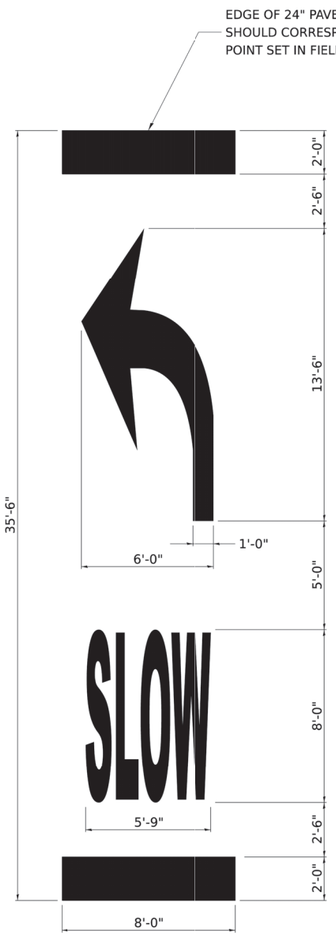
TYPICAL PAVEMENT MARKINGS



SLOW CURVE ARROW
HIGH–SPEED STANDARD MARKING

(POSTED SPEED LIMIT 40 MPH OR GREATER)



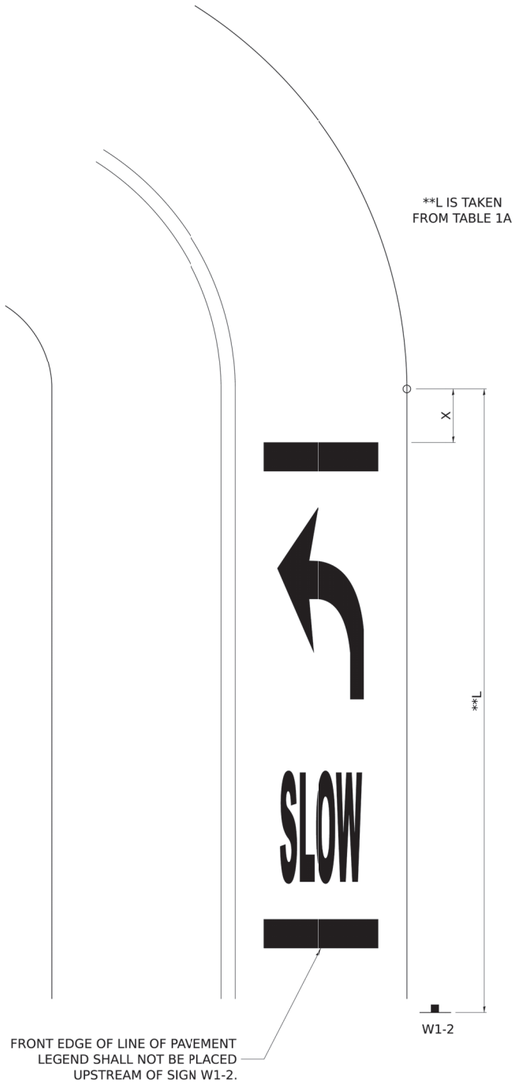
SLOW CURVE ARROW
LOW–SPEED STANDARD MARKING

(POSTED SPEED LIMIT 35 MPH OR LESS)

TABLE 1A

POSTED SPEED	WARNING SPEED							
	20	25	30	35	40	45	50	55
	VALUE OF X (FT.)							
20 *	100							
25 *	100	100						
30 *	100	100	100					
35 *	100	100	100	100				
40 *	100	100	100	100	100			
45 *	125	110	100	100	100	100		
50 *	225	200	175	135	100	100	100	
55 *	300	275	250	200	175	135	100	100

* NOTE: ON ROADWAYS WITH A POSTED SPEED LIMIT OF 35 MPH OR LESS, USE THE 35'-6" PAVEMENT MARKING LEGEND AS SHOWN IN THE SLOW CURVE ARROW, LOW-SPEED STANDARD MARKING. ON ALL OTHER ROADWAYS, USE THE 50'-0" PAVEMENT MARKING LEGEND AS SHOWN ON THE SLOW CURVE ARROW, HIGH-SPEED STANDARD MARKING.



TYPICAL LAYOUT AND PLACEMENT OF SUPPLEMENTAL CURVE PLACEMENT MARKING

MODEL: 41pt1_sheet5
FILE NAME: DISTRICT 2 STANDARD

USER NAME = IDOT / DISTRICT 2	DESIGNED -	REVISED -	10-8-25
	DRAWN -	REVISED -	4-17-25
	CHECKED -	REVISED -	
PLOT DATE = 10/8/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: | SHEET 51 OF SHEETS | STA. | TO STA.

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

TYPICAL PAVEMENT MARKINGS SHEET 5 OF 5 41.1

REVISIONS		
DATE	DESCRIPTION	No.

IMEG
401 E STATE STREET
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ROCKFORD, IL 61104
PH: 815.965.6400
www.imegcorp.com
Illinois Design Firm Registration #184.007637-0014

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

DISTRICT STANDARD 41.1

IMEG Project No: 24007592.00

54

Sheet 54 of 55

File Name: 24007592-D2 STANDARDS.dwg
Field Book No: 368
Drawn By: PJP
Checked By: ECM
Date: 02/23/2026

Monday, February 23, 2026 7:02:53 AM
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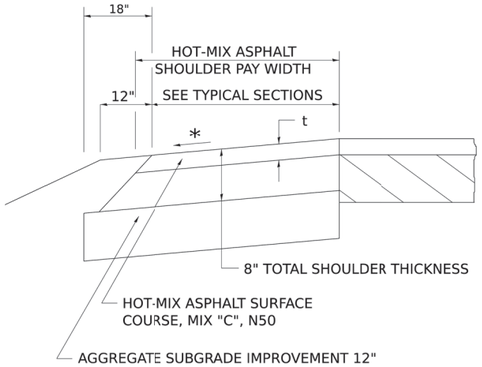
HOT–MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

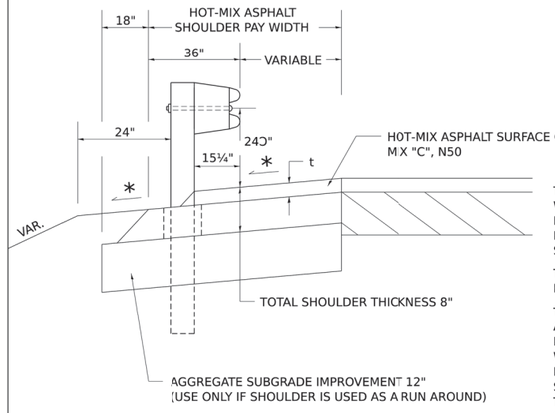
* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

MODEL: 22pt4
FILE NAME: DISTRICT 2 STANDARD
PLOT DATE = 4/10/2025

REVISED - 1-05-16	REGION 2 / DISTRICT 2 STANDARD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 3-13-13										
REVISED -								CONTRACT NO.		
REVISED -	SCALE:	SHEET	OF	SHEETS	STA. TO STA.			ILLINOIS FED. AID PROJECT		

HOT–MIX ASPHALT SHOULDER 22.4

DETAIL OF HOT–MIX ASPHALT SHOULDER AT GUARDRAIL



GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED. THE RAIL ELEMENT SHALL BE REINSTALLED WITHIN 72 HOURS OF THE COMPLETION OF THE SURFACE COURSE.

THE HEIGHT OF THE GUARDRAIL SHALL BE SET 24⅞" FROM THE FINISHED SURFACE.

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATED SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

MODEL: 23pt4
FILE NAME: DISTRICT 2 STANDARD
PLOT DATE = 4/10/2025

REVISED - 1-05-16	REGION 2 / DISTRICT 2 STANDARD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 6-27-14										
REVISED - 8-27-13								CONTRACT NO.		
REVISED - 3-13-13	SCALE:	SHEET	OF	SHEETS	STA. TO STA.			ILLINOIS FED. AID PROJECT		

DETAIL OF HOT–MIX ASPHALT SHOULDER AT GUARDRAIL 23.4

REVISIONS		
DATE	DESCRIPTION	No.

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Illinois Design Firm Registration #184.007637-0014

ROSCOE ROAD BRIDGE REHABILITATION

ROSCOE, ILLINOIS

DISTRICT STANDARD 22.4 & 23.4

IMEG Project No: 24007592.00

55

Sheet 55 of 55

File Name: 24007592-D2 STANDARDS.dwg
Field Book No: 368
Drawn By: PJP
Checked By: ECM
Date: 02/23/2026

Monday, February 23, 2026 7:08:13 AM
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