07-30-2021 LETTING ITEM 030

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235*	1
	ILLINOIS	CONTRACT NO. 68799		

* 235 + 7 = 242 TOTAL SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAS ROUTE 1388 (IL ROUTE 8)
SECTION (Z-1VB)BR-2
PROJECT STP-GLGM (789)
STRUCTURE REPLACEMENT
PEORIA COUNTY

C-94-056-08

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA:

IL ROUTE 8

2015 ADT=2250 (ACTUAL)
2017 ADT=2250 (ESTIMATED)
2037 ADT=2745 (ESTIMATED)
SU= 5.9% MU= 1.9%

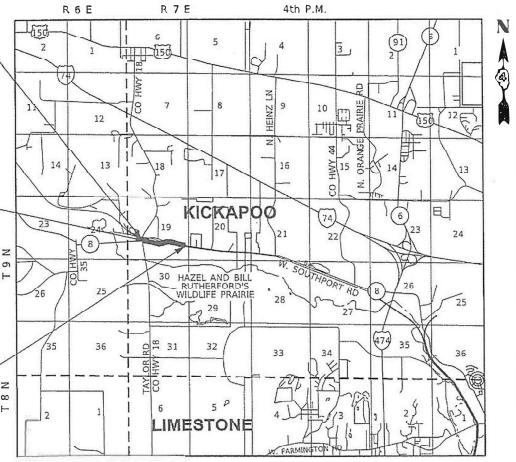
FUNCTIONAL CLASSIFICATION:

2745 (2037) MAJOR COLLECTOR

BEGIN SECTION (Z-1VB)BR-2 STA 125+00

SECTION (Z-1VB)BR-2 INCLUDES REMOVAL OF THE EXISTING EIGHT SPAN BRIDGE AND REPLACE WITH A NEW THREE SPAN STRUCTURE 353'- 5½" BACK TO BACK ABUTMENTS. THE NEW STRUCTURE CONSISTS OF PLATE GIRDERS WITH A COMPOSITE CONCRETE DECK ON REINFORCED CONCRETE COLUMNED PIERS AND INTEGRAL ABUTMENTS STA 142+72.94

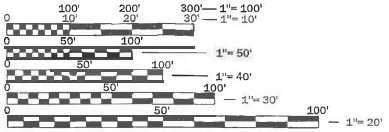
END SECTION (Z-1VB)BR-2 STA 160+70



LOCATION MAP
KICKAPOO TOWNSHIP

GRAPHIC SCALE IN MILES

GROSS LENGTH = 3,570.00 FEET. = 0.676 MILES
NET LENGTH = 3,570.00 FEET. = 0.676 MILES



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

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

PROJECT ENGINEER KEVIN HORST (309-671-3472)
PROJECT MANAGER RICHARD DOTSON (309-671-3455)

CONTRACT NO. 68799

BY: William J. Coombe DATE: 8-22-19
EXPIRES 11-30-2020
APPLIES TO PLAN SHEETS: 62-64
CONSULTING ENGINEERS
FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS IOWA WISCONSIN

BY: Mary Coombe Blodgett DATE: 8-22-19
EXPIRES 11-30-2019
APPLIES TO PLAN SHEETS: 29, 50-58
CONSULTING ENGINEERS
FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS IOWA WISCONSIN

BY: Elizabeth S. Witt DATE: 8-22-19
EXPIRES 11-30-2019
APPLIES TO PLAN SHEETS: 1-28, 30-49, 59-61, 65-84, 119-235
CONSULTING ENGINEERS
LOCHMUELLER GROUP
1928 SrA BRADLEY R. SMITH DRIVE TROY, ILLINOIS 62294 PHONE (618) 667-1400

D-94-037-08

LOCATION OF SECTION INDICATED THUS: -

PLANS PREPARED BY:

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 06 20 21
Ronald A. Barnett RSD
REGIONAL ENGINEER

June 25, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

June 25, 2021
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. 6/16/21

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-04	NAME PLATE FOR BRIDGES
542206-04	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 42" (1050 MM) THRU 60" (1500 MM) DIAMETER SKEWED WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
542416	SLOPED METAL END SECTIONS FOR PIPE ARCH CULVERTS 15" (375 MM) THRU 72" (1800 MM) EQUIVALENT DIAMETER
602411-09	PRECAST MANHOLE, TYPE A, 7' (2.13 M) DIAMTER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
666001-01	RIGHT-OF-WAY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYP. APPL. OF T.C.D. FOR RURAL LOC. HWYS. (2-LANE 2 WAY RURAL TRAFF.) (RD. CLOSED TO THRU TRAFF.)

DISTRICT 4 - CADD STANDARDS

205001-D4
205101-D4
406301-D4
606101-D4
667101-D4
630101-D4
780001-D4

CALCULATION FACTORS

AGGREGATE SHOULDERS AND BASES: 2.1 TONS/CU YD
HOT MIX ASPHALT: 0.056 TONS/SQ YD/INCH
NITROGEN FERTILIZER NUTRIENT: 90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT: 90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT: 90 LBS/ACRE
TEMPORARY EROSION CONTROL SEEDING: 100 LBS/ACRE
STONE RIPRAP: 1.5 TONS/CU YD

INDEX OF SHEETS

GENERAL NOTES

COMMITMENTS
1. COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

2. NO COMMITMENTS FOR THIS PROJECT.

SOIL REPORT AVAILABILITY
THE SOILS REPORT AND ALL SOILS DATA COLLECTED AND PROCESSED IN CONJUNCTION WITH THE DESIGN THIS OF IMPROVEMENT IS ON FILE AT THE DISTRICT OFFICE WHERE IT IS AVAILABLE FOR INSPECTION BY CONTRACTORS OR PROSPECTIVE BIDDERS. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT THE SOILS REPORT AND DATA HAVE BEEN MADE AVAILABLE, THAT THE CONTRACTOR IS AWARE OF THE REPORT CONTENTS AND APPENDICES, AND THAT THE SOILS REPORT IS PART OF THE CONTRACT DOCUMENTS.

AVAILABILITY OF ELECTRONIC FILES
MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

TREE REMOVAL - UTILITY RELOCATION
TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE CONFLICTS AND POTENTIAL DELAYS CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM
ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

PROPERTY OWNER ACCESS REQUIREMENTS
ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

CRITICAL PATH WORK SCHEDULE REQUIREMENT
THE CONTRACTOR WILL SUBMIT TO THE ENGINEER A SATISFACTORY PROGRESS SCHEDULE AND CRITICAL PATH SCHEDULE WHICH SHALL SHOW THE PROPOSED SEQUENCE OF WORK AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE.

TREE REMOVAL
THE DISTRICT FOUR TREE COMMITTEE SHOULD BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

ENVIRONMENTAL REVIEWS
PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:
* BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
* BDE FORM 2290 (WASTE/USE AREA REVIEW)
* A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
* COLOR PHOTOGRAPHS DEPICTING THE USE AREA
* BORROW AREA ENTRY AGREEMENT FORM-D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

SEEDING - SIDE SLOPE RIPPING
ALL SLOPES STEEPER THAN 3 TO 1 AND OVER 15 FT. (4.5 M) IN HEIGHT SHALL BE RIPPED. THIS SHALL CONSIST OF RIPPING BETWEEN 18 INCHES TO 24 INCHES (450 MM TO 600 MM) DEEP NORMAL TO THE SLOPE. THE INTERVAL OF RIPPING ALONG THE SLOPE SHALL BE 12 FT. (3.6 M). THIS WORK SHALL BE DONE AFTER THE SEED BED HAS BEEN PREPARED BUT BEFORE ANY FERTILIZER OR SEED HAS BEEN APPLIED. THE FERTILIZER AND SEED SHALL BE APPLIED WITHIN A 24-HOUR PERIOD AFTER THE RIPPING HAS BEEN DONE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF SEEDING INVOLVED.

AGGREGATE FOR DRIVEWAY REPLACEMENT
THE MATERIAL USED FOR CONSTRUCTION OF PERMANENT AGGREGATE DRIVEWAYS SHALL BE GRAVEL OR CRUSHED STONE AS DIRECTED BY THE ENGINEER, TO REPLACE IN KIND THE EXISTING AGGREGATE DRIVEWAYS.

NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS REQUIREMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PAY ITEM FOR THE AGGREGATE AS SPECIFIED ON THE PLANS.

PAVEMENT STATIONING NUMBERS & PLACEMENT
THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3 4 INCH (20 MM) WIDE. 5 INCHES (125 MM) HIGH AND 5 8 INCH (15MM) DEEP.

THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:

INTERVAL - 200 FEET (ENGLISH STATIONING) OR 100 METERS (METRIC STATIONING)

BOTTOM OF NUMBERS - 6 INCHES (150 MM) FROM THE INSIDE EDGE OF THE PAVEMENT

PAVEMENT STATIONING NUMBERS & PLACEMENT CONT.
LOCATION:
* 2,3, & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS
* MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS
* RAMPS - ALONG BASELINE EDGE OF PAVEMENT

POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER

FORMAT - ENGLISH (METRIC) PAVEMENT STATIONS SHALL USE THIS FORMAT "XXX (XX+X00)" WHERE X REPRESENTS THE PAVEMENT STATION.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.

PAVING SURFACE COURSE
CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS
THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

TRANSITION PAVEMENT METHOD - NEW/OLD CONSTRUCTION
TEN FEET (10 FT.) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

RIGHT-OF-WAY MARKERS
WHEN INSTALLING RIGHT-OF-WAY MARKERS, CARE SHALL BE TAKEN TO NOT DISTURB ANY EXISTING PROPERTY/RIGHT-OF-WAY PINS. IF A PROPERTY/RIGHT-OF-WAY PIN IS FOUND AT THE LOCATION OF A PROPOSED RIGHT-OF-WAY MARKER, THE MARKER SHALL BE PLACED ONE (1) FOOT IN FRONT OF THE PIN.

SETTING OF SECTION CORNER MONUMENTATION
ALL SECTION CORNER LOCATIONS ON THIS PROJECT SHALL BE LOCATED AND VERIFIED BY A LICENSED LAND SURVEYOR PRIOR TO ANY REMOVAL WORK BEING PERFORMED. THE LAND SURVEYOR SHALL LOCATE THE EXISTING SECTION CORNERS THROUGH COURTHOUSE RESEARCH, PERSONAL KNOWLEDGE OR THROUGH THE ASSISTANCE OF LOCAL FIRMS PERFORMING LAND SURVEYING IN THE AREA. IF THE SECTION CORNER DOES NOT EXIST THROUGH EITHER ITS PHYSICAL LOCATION OR THROUGH TIES IN THE FIELD IT SHALL NOT BE RESET, THERE SHALL BE NO CALCULATING OF SECTION CORNERS ONTO A PROJECT REQUIRED.

ONCE PAVING AND STRIPING OPERATIONS HAVE BEEN PERFORMED THE SECTION CORNER SHALL BE RESET AT THE DIRECTION OF A LICENSED LAND SURVEYOR. IF ANY DIMENSIONS HAVE BEEN CHANGED IT SHALL BE THE RESPONSIBILITY OF THE SURVEYOR TO FILE A NEW MONUMENT RECORD IN THE APPROPRIATE COURTHOUSE.

A COPY OF ALL DRAWINGS OR MONUMENT RECORDS PRODUCED FROM THIS PROJECT SHALL BE SENT TO THE CHIEF OF SURVEYS, ILLINOIS DEPARTMENT OF TRANSPORTATION, REGION THREE/DISTRICT FOUR, PEORIA, ILLINOIS.

THE SUPPLYING, DRILLING, SETTING OF DISKS, PROFESSIONAL SERVICES, LABOR AND ANY OTHER ADDITIONAL WORK REQUIRED TO PERFORM THIS WORK SHALL BE PAID FOR UNDER PAY ITEM FOR PERMANENT SURVEY MARKERS, TYPE I.REFER TO DISTRICT FOUR CADD STANDARD 667101 FOR DETAILS.

SIGNING
SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES.

ALL WOOD POST LOCATIONS SHALL BE VERIFIED WITH THE BUREAU OF OPERATIONS, TRAFFIC SECTION, BEFORE INSTALLATION.

NO PASSING ZONE VERIFICATION
THE RESIDENT SHALL CONTACT OPERATIONS TO VERIFY THE LOCATION OF NO PASSING ZONES PRIOR TO PLACEMENT OF CENTERLINE STRIPING.

MIXTURE REQUIREMENTS

LOCATION(S)	IL ROUTE 8						POWDER MILL ROAD	
MIXTURE USE	FULL DEPTH HMA POLYMER SURFACE 2"	FULL DEPTH HMA TOP POLYMER BINDER 2"	FULL DEPTH HMA LOWER LIFTS BINDER (4" & 2.25")	SHOULDERS (SURFACE LIFT 2")	SHOULDERS (TOP BINDER LIFT 2")	SHOULDERS (LOWER LIFT 4")	POLYMER SURFACE LIFT 2"	BINDER LIFT 4"
AC/PC	SBS OR SBR 76-28	SBS OR SBR 76-28	PG 64-22	PG 58-28	PG 58-28	PG 58-28	SBS OR SBR 64-28	PG 64-22
DESIGN AIR VOIDS	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 9.5	IL 9.5	IL 19.0	IL 9.5FG	IL 9.5	IL 19.0	IL 9.5FG	IL 19.0
FRICTION AGGREGATE	MIX E	N.A.	N.A.	MIX C	N.A.	N.A.	MIX C	N.A.
QUALITY MANAGEMENT	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA

NOTES:

1. INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN 3 TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6 TIMES NOMINAL AGGREGATE SIZE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

2. FOR DESIGN PURPOSES, MIXTURE WEIGHT FOR ALL MIXES IS DETERMINED TO BE 112.0 LBS/SY/IN UNLESS OTHERWISE NOTED.

3. SUBLOT SIZES FOR PFP AND QCP MIXES WILL BE 1000 TONS, UNLESS OTHERWISE AGREED TO BY THE ENGINEER AND THE PAVING CONTRACTOR.

PROJECT SPECIFIC NOTES

1. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04 OF THE STANDARD SPECIFICATIONS. ANY SEEDING REQUIRED OUTSIDE THE CONSTRUCTION LIMITS FOR THIS CONTRACT SECTION WILL NOT BE PAID FOR SEPARATELY AND CONSIDERED A CONTRACTOR'S EXPENSE.

Illinois Department of Transportation

Status of Utilities

AT&T

Route: FAS 1388 (IL 8)
Section: (Z-1VB)BR-2
County: Peoria
Contract No.: 68799
Catalog No.: 033801-00D

Route	Offset	Location – Measured Off Existing Centerline	Type of Utility	Type of Conflict	Disposition
Powdermill Rd.	30' Lt.	Sta. 5+98 Existing	Pole, Aerial Fiber	Ditch Grading	Caution
IL 8	50' Lt.	Sta. 144+25 Existing	Pole, Aerial Fiber	Grading	Relocate
IL 8	35' Lt.	Sta. 146+65 Existing	Pole, Aerial Fiber	Grading	Relocate
IL 8	30' Lt.	Sta. 148+38 Existing	Pole, Aerial Fiber	Grading	Relocate
IL 8	35' Lt.	Sta. 150+75 Existing	Pole, Aerial Fiber	Grading	Relocate
IL 8	40' Lt.	Sta. 153+40 Existing	Pole, Aerial Fiber	Grading	Relocate
IL 8	32' Lt.	Sta. 155+15 Existing	Pole, Aerial Fiber	Grading	Relocate
IL 8	25' Lt.	Sta. 156+90 Existing	Pole, Aerial Fiber	Grading	Relocate
IL 8	25' Lt.	Sta. 158+98 Existing	Pole, Aerial Fiber	Grading	Relocate
Route	**Offset**	**Location**	**Type of Utility**	**Type of Conflict**	**Disposition**
IL 8	35' Lt. to 25' Rt.	Sta. 142+40 Existing	Buried Cable	Grading	Relocate
IL 8	20' Rt. to 25' Rt.	Sta. 142+40 to Sta. 158+80 Existing	Buried Cable	Grading/Culverts	Relocate
IL 8	27' Lt. to 30' Rt.	Sta. 156+90 Existing	Buried Fiber	Grading/Culverts	Relocate
IL 8	33' Rt.	Sta. 155+00 to Sta. 156+30 Existing	Buried Cable	Grading	Caution
IL 8	30' Rt.	Sta. 156+30 to Sta. 158+80	Buried Cable	Grading/Culverts	Relocate
Powdermill Rd.	36' Rt.	Sta. 5+00 Existing	Aerial Cable	Grading	Caution
IL 8	35' Rt.	Sta. 142+00 Existing	Aerial Cable	Grading	Relocate

Illinois Department of Transportation

Status of Utilities

Ameren Gas

Route: FAS 1388 (IL 8)
Section: (Z-1VB)BR-2
County: Peoria
Contract No.: 68799
Catalog No.: 033801-00D

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
Powdermill Rd.	Various Lt.	Sta. 5+00 to Sta. 11+60	2" Gas Main	Ditch Grading	Relocate
IL 8	Various Lt.	Sta. 146+87 to Sta. 148+68	2" Gas Main	Ditch Grading	Relocate

Illinois Department of Transportation

Status of Utilities

Ameren Illinois - Electric

Route: FAS 1388 (IL 8)
Section: (Z-1VB)BR-2
County: Peoria
Contract No.: 68799
Catalog No.: 033801-00D

Route	Offset	Location	Type of Utility	ype of Conflict	Disposition
Powdermill Rd.	30' Lt.	Sta. 5+98 Existing	Pole Aerial Electric	Ditch Grading	Caution
IL 8	50' Lt.	Sta. 144+25 Existing	Pole Aerial Electric	Grading	Relocate
IL 8	70' Lt.	Sta. 144+30 Existing	Pole Aerial Electric	Grading	Relocate/Remove
IL 8	35' Lt.	Sta. 146+65 Existing	Pole Aerial Electric	Grading	Relocate
IL 8	30' Lt.	Sta. 148+38 Existing	Pole Aerial Electric	Grading	Relocate
IL 8	35' Lt.	Sta. 150+75 Existing	Pole Aerial Electric	Grading	Relocate
IL 8	40' Lt.	Sta. 153+40 Existing	Pole Aerial Electric	Grading	Relocate
IL 8	32' Lt.	Sta. 155+15 Existing	Pole Aerial Electric	Grading	Relocate
IL 8	25' Lt.	Sta. 156+90 Existing	Pole Aerial Electric	Grading	Relocate
IL 8	25' Lt.	Sta. 158+98 Existing	Pole Aerial Electric	Grading	Relocate

Illinois Department of Transportation

Status of Utilities

TelStar

Route: FAS 1388 (IL 8)
Section: (Z-1VB)BR-2
County: Peoria
Contract No.: 68799
Catalog No.: 033801-00D

Route	Offset	Location	Type of Utility	ype of Conflict	Disposition
Powdermill Rd.	30' Lt.	Sta. 5+98 Existing	Pole Aerial Fiber	Ditch Grading	Caution
IL 8	50' Lt.	Sta. 144+25 Existing	Pole Aerial Fiber	Grading	Relocate
IL 8	35' Lt.	Sta. 146+65 Existing	Pole Aerial Fiber	Grading	Relocate
IL 8	30' Lt.	Sta. 148+38 Existing	Pole Aerial Fiber	Grading	Relocate
IL 8	35' Lt.	Sta. 150+75 Existing	Pole Aerial Fiber	Grading	Relocate
IL 8	40' Lt.	Sta. 153+40 Existing	Pole Aerial Fiber	Grading	Relocate
IL 8	32' Lt.	Sta. 155+15 Existing	Pole Aerial Fiber	Grading	Relocate
IL 8	25' Lt.	Sta. 156+90 Existing	Pole Aerial Fiber	Grading	Relocate
IL 8	25' Lt.	Sta. 158+98 Existing	Pole Aerial Fiber	Grading	Relocate
					Relocate
IL 8	55' Rt.	Sta. 125+00 to Sta. 126+43 Existing	Buried Fiber	Grading	Caution

FILE NAME: d:\PD\GENV\NWORD\STDAPLNS\Sqpad03\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-ahrgennotes.dgn

LOCHMUELLER GROUP
3928 SIA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.3400

USER NAME = horstkj	DESIGNED - JLS	REVISED - KH (IDOT) 04/27/21	
MODEL NAME = Gen-03	DRAWN - PDB	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 4/27/2021	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATUS OF UTILITIES
IL ROUTE 8

SCALE: NONE | SHEET 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	4
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE			
					ROADWAY 0004 RURAL	BRIDGE 0010 RURAL	
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	22	22		
	20100500	TREE REMOVAL, ACRES	ACRE	8.75	8.75		
	20101000	TEMPORARY FENCE	FOOT	2943	2943		
	20200100	EARTH EXCAVATION	CU YD	33,885	33,885		
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2196	2196		
	20400800	FURNISHED EXCAVATION	CU YD	155,106	155,106		
	20800150	TRENCH BACKFILL	CU YD	803	803		
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	18285	18285		
*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	49976	49976		
*	25000300	SEEDING, CLASS 3	ACRE	12.5	12.5		
*	25000324	SEEDING, CLASS 5B	ACRE	1	1		
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1125	1125		
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1125	1125		
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1125	1125		
**	25000750	MOWING	ACRE	4.25	4.25		

*= SPECIALTY ITEM **100% STATE

FILE NAME: \\Central\d4\PD\GEN\WINWORD\STD&PLNS\Squad03\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-SOO.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE 618 667 1400

USER NAME = diazaa	DESIGNED – JLS	REVISED – AAD (IDOT) 05/04/21
MODEL NAME = SOQ-01	DRAWN – PDB	REVISED –
PLOT SCALE = 0.1667 ' / in	CHECKED – ESW	REVISED –
PLOT DATE = 5/4/2021	DATE – 01-17-18	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 1 OF 10 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	5
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		

REV. 6/16/21 REV. 5/19/21

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	80% FED 20% STATE TOTAL QUANTITY	CONSTRUCTION CODE		
					ROADWAY 0004 RURAL	BRIDGE 0010 RURAL	
*	25100115	MULCH, METHOD 2	ACRE	18.5	18.5		
*	25100630	EROSION CONTROL BLANKET	SQ YD	26787	26787		
*	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	1280	1280		
*	25301800	SEEDLINGS	UNIT	7	7		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2858	2858		
	28000305	TEMPORARY DITCH CHECKS	FOOT	1587	1587		
	28000400	PERIMETER EROSION BARRIER	FOOT	11170	11170		
	28000500	INLET AND PIPE PROTECTION	EACH	8	8		
	28100107	STONE RIPRAP, CLASS A4	SQ YD	543	543		
	28100109	STONE RIPRAP, CLASS A5	SQ YD	50	50		
	28100225	STONE RIPRAP, CLASS B3	TON	192	192		
	28100807	STONE DUMPED RIPRAP, CLASS A4	TON	75	75		
	28200200	FILTER FABRIC	SQ YD	1167	1167		
	30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	13232	13232		
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	88	88		

*= SPECIALTY ITEM

FILE NAME: \\Central\civil\PROJECTS\Square03\IL 8 over UNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\1468799-sht-SOQ.dgn

LOCHMUELLER GROUP
3928 WA Bradley Ill. 5/4th Drive
Troy, IL 62294
PHONE: 618.667.6800

USER NAME = dlazaa	DESIGNED - JLS	REVISED - AAD (IDOT) 05/04/21	
MODEL NAME = SOQ-02	DRAWN - PDB	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 5/4/2021	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 2 OF 10 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	6
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		

REV. 6/16/21 REV. 5/19/21

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ROADWAY 0004 RURAL	CONSTRUCTION CODE BRIDGE 0010 RURAL	
			80% FED 20% STATE			
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	190	190		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	39490	39490		
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	25348	25348		
40600990	TEMPORARY RAMP	SQ YD	13	13		
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	2916	2916		
40701886	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4"	SQ YD	8559	8559		
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	268	268		
42001300	PROTECTIVE COAT	SQ YD	246	246		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	95	95		
44000100	PAVEMENT REMOVAL	SQ YD	9643	9643		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	240	240		
44000400	GUTTER REMOVAL	FOOT	1464	1464		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	595	595		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	5392	5392		

SUMMARY OF QUANTITIES

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ROADWAY 0004 RURAL	BRIDGE 0010 RURAL	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1	
50105220	PIPE CULVERT REMOVAL	FOOT	201	201		
50157300	PROTECTIVE SHIELD	SQ YD	424		424	
50200100	STRUCTURE EXCAVATION	CU YD	621	76	545	
50300225	CONCRETE STRUCTURES	CU YD	578	20.8	557.2	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	552.2		552.2	
50300260	BRIDGE DECK GROOVING	SQ YD	1735		1735	
50300300	PROTECTIVE COAT	SQ YD	2178		2178	
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1	
50500505	STUD SHEAR CONNECTORS	EACH	5333	113	5220	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	250140	3300	246840	
51100100	SLOPE WALL 4 INCH	SQ YD	915		915	
51201900	FURNISHING STEEL PILES HP14X89	FOOT	2048		2048	
51202305	DRIVING PILES	FOOT	2048		2048	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED / 20% STATE ROADWAY 0004 RURAL	BRIDGE 0010 RURAL	
51203900	TEST PILE STEEL HP14X89	EACH	1		1	
51204650	PILE SHOES	EACH	72		72	
51500100	NAME PLATES	EACH	1		1	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	118		118	
52100520	ANCHOR BOLTS, 1"	EACH	24		24	
52100530	ANCHOR BOLTS, 1 1/4"	EACH	24		24	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1696		1696	
52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	477	477		
52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	1898	1898		
52200205	DRILLING AND SETTING SOLDIER PILES (IN ROCK)	CU FT	442	442		
52200250	UNTREATED TIMBER LAGGING	SQ FT	508	508		
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2		
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	1	1		
54215448	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 48"	EACH	2	2		

FILE NAME: \\Central\d4\PD\GEN\WINWORD\STD&PLNS\Squad03\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-SOO.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = diazaa	DESIGNED - JLS	REVISED - AAD (IDOT) 05/04/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
MODEL NAME = SOQ-05	DRAWN - PDB	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 5/4/2021	DATE - 01-17-18	REVISED -	

SUMMARY OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 5 OF 10 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	9

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

REV. 5/19/21

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY (80% FED 20% STATE)	CONSTRUCTION CODE: ROADWAY 0004 RURAL	CONSTRUCTION CODE: BRIDGE 0010 RURAL	
54260842	SLOPED METAL END SECTION, STANDARD 542416, 42", 1:4	EACH	2	2		
54262724	METAL FLARED END SECTIONS 24"	EACH	2	2		
54262748	METAL FLARED END SECTIONS 48"	EACH	1	1		
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	112	112		
542A2773	PIPE CULVERTS, CLASS A, TYPE 4 48"	FOOT	154	154		
542A4033	PIPE CULVERTS, CLASS A, TYPE 6 48"	FOOT	276	276		
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	47	47		
542D0253	PIPE CULVERTS, CLASS D, TYPE 1 48"	FOOT	13	13		
542D5497	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	116	116		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	285		285	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	180	37	143	
60224446	MANHOLES, TYPE A, 7' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60500060	REMOVING INLETS	EACH	2	2		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	223.5	223.5		

FILE NAME: \\Central\d4\PD\GEN\WINWORD\STD&PLNS\Squad03\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-SOO.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = diazaa	DESIGNED - JLS	REVISED - AAD (IDOT) 05/04/21	
MODEL NAME = SOQ-06	DRAWN - PDB	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 5/4/2021	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 6 OF 10 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	10

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

REV. 5/19/21

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE ROADWAY 0004 RURAL	BRIDGE 0010 RURAL	
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	825	825		
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
*	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	4	4		
	63200310	GUARDRAIL REMOVAL	FOOT	1563	1563		
	66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	31	31		
*	66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	17	17		
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3750	3750		
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20		
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	24		
	67000600	ENGINEER'S FIELD LABORATORY	CAL MO	24	24		

*= SPECIALTY ITEM

SUMMARY OF QUANTITIES

80% FED
20% STATE

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ROADWAY 0004 RURAL	BRIDGE 0010 RURAL	
	67100100	MOBILIZATION	L SUM	1	1		
	67201000	SEALING ABANDONED WATER WELLS	EACH	3	3		
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	84	84		
*	72000100	SIGN PANEL - TYPE 1	SQ FT	157	157		
*	72000200	SIGN PANEL - TYPE 2	SQ FT	12	12		
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	11	11		
*	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4		
*	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2		
*	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3		
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	8		
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	461	461		
	73000100	WOOD SIGN SUPPORT	FOOT	78	78		
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	17110	17110		
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	47	47		
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	33	33		

*= SPECIALTY ITEM

FILE NAME: \\Central\d4\PD\GEN\WINORD\STD\PLNS\Squad03\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Well\D468799-sht-SOQ.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = diazaa	DESIGNED - JLS	REVISED - AAD (IDOT) 05/04/21	
MODEL NAME = SOQ-08	DRAWN - PDB	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 5/4/2021	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 8 OF 10 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	12

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

REV. 6/16/21 REV. 5/19/21

SUMMARY OF QUANTITIES

					CONSTRUCTION CODE		
				80% FED 20% STATE			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 RURAL	BRIDGE 0010 RURAL	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	49	49		
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	28	28		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	4		
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	358	358		
*	A2C015G3	TREE, BETULA NIGRA (RIVER BIRCH), CONTAINER GROWN, 3-GALLON	EACH	5	5		
*	B20018G5	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), CONTAINER GROWN, 5-GALLON	EACH	5	5		
	X0325833	WICK DRAINS	FOOT	152,890	152,890		
	X0327267	SLOPE INCLINOMETER	EACH	3	3		
	X1200050	BOX CULVERT REMOVAL	FOOT	105	105		
	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	280		280	
	X5040100	PRECAST BRIDGE APPROACH SLAB	SQ FT	2390		2390	
	X6060097	CLASS SI CONCRETE (OUTLET), SPECIAL	CU YD	6.2	6.2		
	X6062700	CONCRETE GUTTER, TYPE A (SPECIAL)	FOOT	141	141		
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
	Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	301	301		

*= SPECIALTY ITEM

FILE NAME: \\Central\d4\PD\GEN\WINORD\STD\PLNS\Squad83\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D46879-sht-SOQ.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE 618 667 1400

USER NAME = diazaa	DESIGNED – JLS	REVISED – AAD (IDOT) 05/04/21	
MODEL NAME = SOQ-09	DRAWN – PDB	REVISED –	
PLOT SCALE = 0.1667 " / in	CHECKED – ESW	REVISED –	
PLOT DATE = 5/4/2021	DATE – 01-17-18	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 9 OF 10 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	13
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		

REV. 6/16/21 REV. 5/19/21

					CONSTRUCTION CODE		
				80% FED 20% STATE			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 RURAL	BRIDGE 0010 RURAL	
	Z0004542	HOT-MIX ASPHALT REMOVAL (SPECIAL)	SQ YD	450	450		
	Z0004552	APPROACH SLAB REMOVAL	SQ YD	178	178		
	Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1		
	Z0007602	BUILDING REMOVAL NO. 2	L SUM	1	1		
	Z0007603	BUILDING REMOVAL NO. 3	L SUM	1	1		
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
	Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	4		4	
	Z0034105	MATERIAL TRANSFER DEVICE	TON	5893	5893		
	Z0040000	PIEZOMETERS	EACH	4	4		
	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	222		222	
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1		
*	Z0054400	ROCK FILL	CU YD	351	351		
Ø	Z0076600	TRAINEES	HOUR	2,000	2,000		
	Z0056100	SAND DRAINAGE BLANKET	CU YD	17,986	17,986		
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	2,000	2,000		
	Z0065100	SETTLEMENT PLATFORMS	EACH	4	4		

*= SPECIALTY ITEM Ø 0042

FILE NAME: \\Central\d4\PD\GEN\WINGRD\STD\PLNS\Squad23\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-SQ0.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618 667 1400

USER NAME	= diazaa	DESIGNED	– JLS	REVISED	– AAD (IDOT) 05/04/21
MODEL NAME	= SOQ-10	DRAWN	– PDB	REVISED	–
PLOT SCALE	= 0.1667 ' / in	CHECKED	– ESW	REVISED	–
PLOT DATE	= 5/4/2021	DATE	– 01-17-18	REVISED	–

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 10 OF 10 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	14

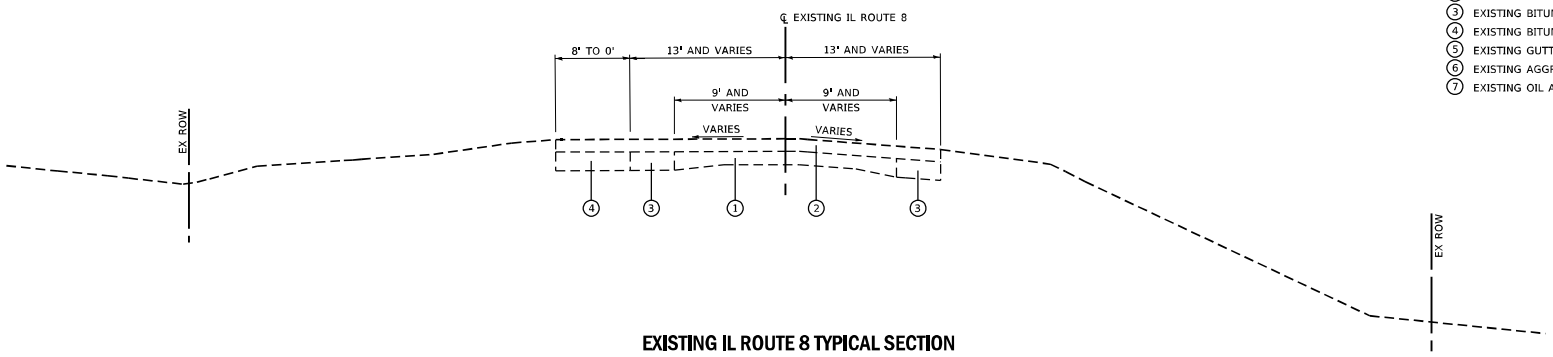
CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

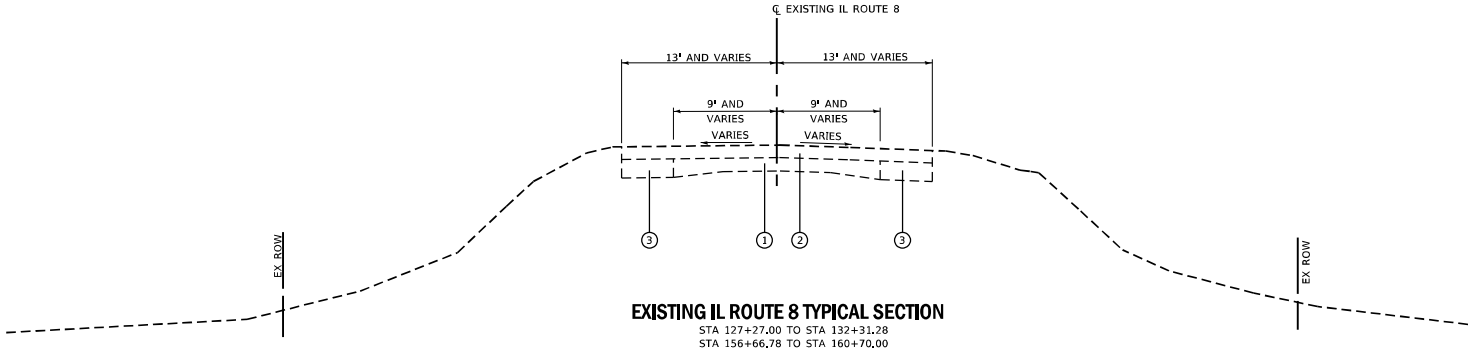
REV. 6/16/21 REV. 6/10/21 REV. 5/19/21

LEGEND

1. EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
2. EXISTING ASPHALT RESURFACING, 6" AND VARIES
3. EXISTING BITUMINOUS WIDENING, 9"
4. EXISTING BITUMINOUS SHOULDER, 9"
5. EXISTING GUTTER
6. EXISTING AGGREGATE BASE
7. EXISTING OIL AND CHIP SURFACE



EXISTING IL ROUTE 8 TYPICAL SECTION
STA 125+00.00 TO STA 127+27.00



EXISTING IL ROUTE 8 TYPICAL SECTION
STA 127+27.00 TO STA 132+31.28
STA 156+66.78 TO STA 160+70.00

FILE NAME: S:\Projects\488-8824-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-typicals existdgn

LOCHMUELLER GROUP
1928 N. Bradley St. Smithton
Troy, IL 62294
PHONE: 618.667.3400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = Typ 01	DRAWN - PDB	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

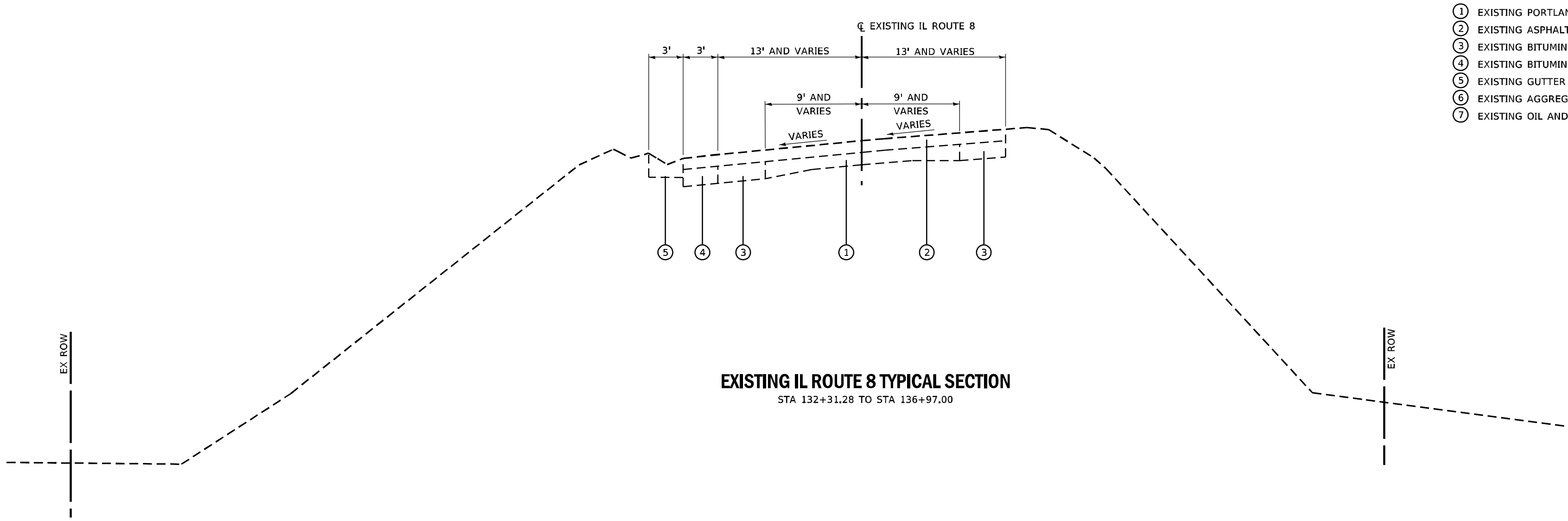
EXISTING TYPICAL SECTIONS
IL ROUTE 8

SCALE: 1"=5' | SHEET 1 OF 4 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2+1VB)BR-2	PEORIA	235	15
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	

LEGEND

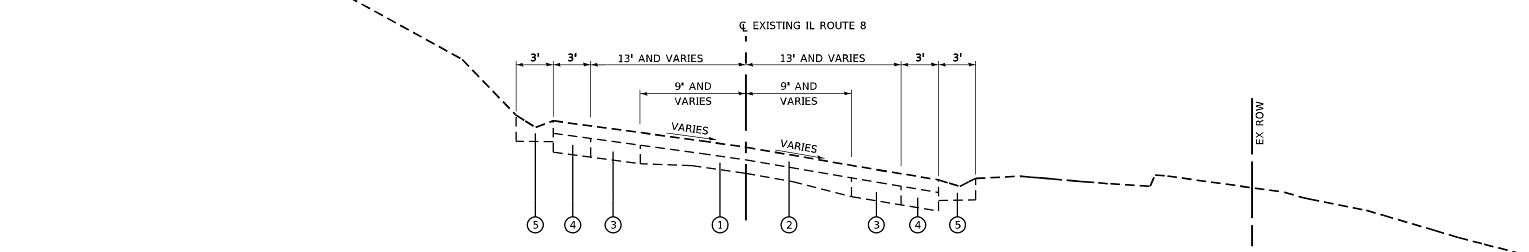
1. EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
2. EXISTING ASPHALT RESURFACING, 6" AND VARIES
3. EXISTING BITUMINOUS WIDENING, 9"
4. EXISTING BITUMINOUS SHOULDER, 9"
5. EXISTING GUTTER
6. EXISTING AGGREGATE BASE
7. EXISTING OIL AND CHIP SURFACE



EXISTING IL ROUTE 8 TYPICAL SECTION

STA 132+31.28 TO STA 136+97.00

BRIDGE OMISSION STA 136+97.00 TO STA 141+32.00



EXISTING IL ROUTE 8 TYPICAL SECTION

STA 141+32.00 TO STA 147+44.00

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\D468799-sht-typicals exist.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = Typ 02	DRAWN - PDB	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

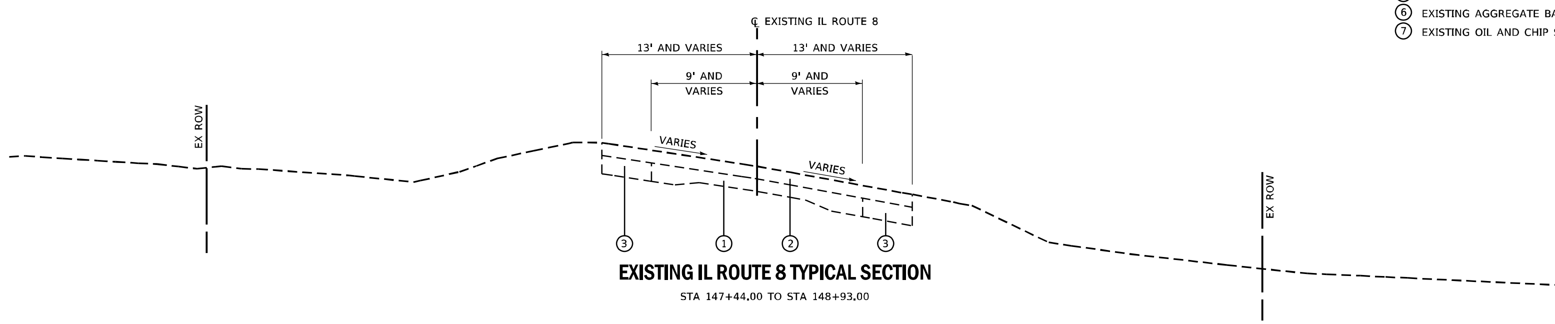
EXISTING TYPICAL SECTIONS
IL ROUTE 8

SCALE: 1"=5' | SHEET 2 OF 4 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	16
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	

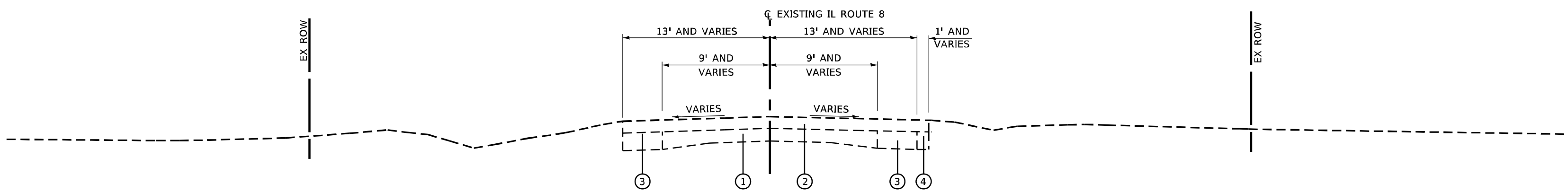
LEGEND

1. EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
2. EXISTING ASPHALT RESURFACING, 6" AND VARIES
3. EXISTING BITUMINOUS WIDENING, 9"
4. EXISTING BITUMINOUS SHOULDER, 9"
5. EXISTING GUTTER
6. EXISTING AGGREGATE BASE
7. EXISTING OIL AND CHIP SURFACE



EXISTING IL ROUTE 8 TYPICAL SECTION

STA 147+44.00 TO STA 148+93.00



EXISTING IL ROUTE 8 TYPICAL SECTION

STA 148+93.00 TO STA 151+60.00

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\D468799-sht-typicals exist.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -
MODEL NAME = Typ 03	DRAWN - PDB	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -
PLOT DATE = 8/22/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

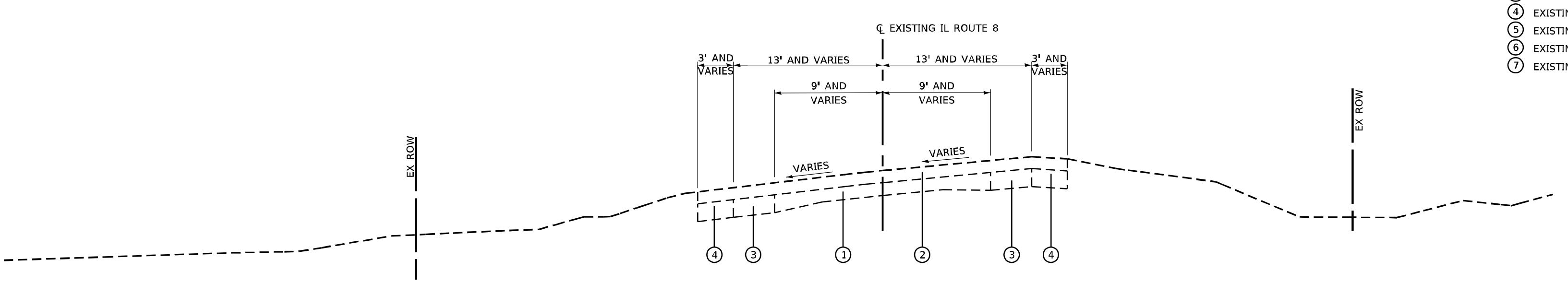
EXISTING TYPICAL SECTIONS
IL ROUTE 8

SCALE: 1"=5' | SHEET 3 OF 4 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	17
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		

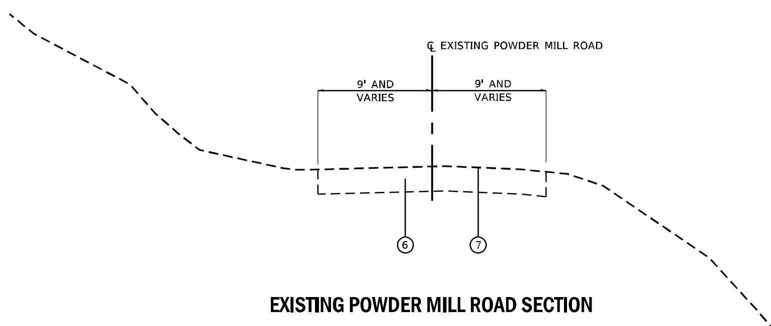
LEGEND

1. EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
2. EXISTING ASPHALT RESURFACING, 6" AND VARIES
3. EXISTING BITUMINOUS WIDENING, 9"
4. EXISTING BITUMINOUS SHOULDER, 9"
5. EXISTING GUTTER
6. EXISTING AGGREGATE BASE
7. EXISTING OIL AND CHIP SURFACE



EXISTING IL ROUTE 8 TYPICAL SECTION

STA 151+60.00 TO STA 156+66.78



EXISTING POWDER MILL ROAD SECTION

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-typicals exist.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -
MODEL NAME = Typ 04	DRAWN - PDB	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -
PLOT DATE = 8/22/2019	DATE -	REVISED -

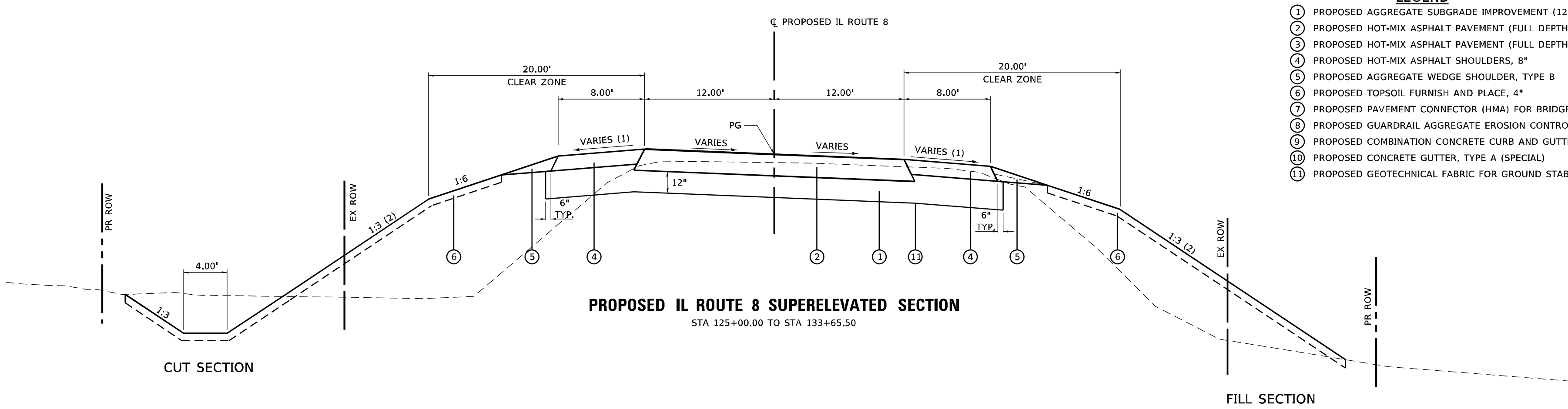
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
IL ROUTE 8

SCALE: 1"=5' | SHEET 4 OF 4 SHEETS

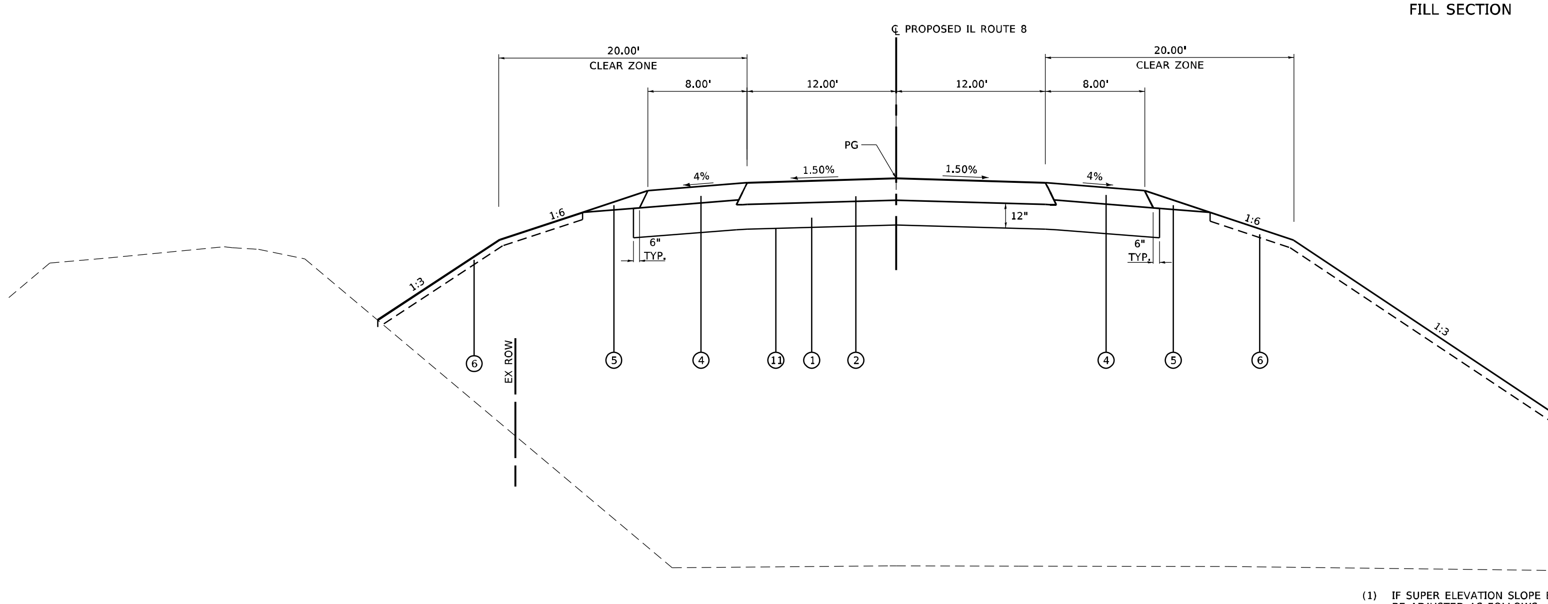
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	18
		CONTRACT NO. 68799		

ILLINOIS | FED. AID PROJECT



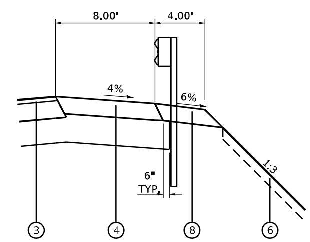
PROPOSED IL ROUTE 8 SUPERELEVATED SECTION

STA 125+00.00 TO STA 133+65.50



PROPOSED IL ROUTE 8 TANGENT SECTION

STA 133+65.50 TO STA 134+98.46



TYPICAL GUARDRAIL

STA 134+34.88 TO STA 141+20.97 RT

LEGEND

1. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT (12" AND VARIES)
2. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10 1/4"
3. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"
4. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
5. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
6. PROPOSED TOPSOIL FURNISH AND PLACE, 4"
7. PROPOSED PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
8. PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
9. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
10. PROPOSED CONCRETE GUTTER, TYPE A (SPECIAL)
11. PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

(1) IF SUPER ELEVATION SLOPE EXCEEDS 4% THEN THE SHOULDER SLOPE SHALL BE ADJUSTED AS FOLLOWS:

HIGH SIDE: VARY THE SHOULDER SLOPE TO MAINTAIN A MAXIMUM 8% SLOPE BREAKOVER.

LOW SIDE: SHOULDER SLOPE SHALL MATCH SUPERELEVATION SLOPE.

(2) SEE PLAN AND PROFILE SHEETS FOR DITCH PROFILE.

(3) CLEAR ZONE ON OUTSIDE OF CURVE IS 30'.

(4) SEE CROSS SECTIONS FOR DITCH WIDTH.

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-typicals.dgn

LOCHMUELLER GROUP
1928 SM Bradley B. Smith Drive, Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
MODEL NAME = Typ 01	DRAWN - PDB	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

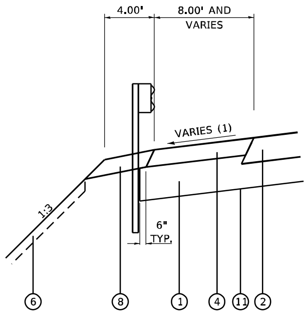
PROPOSED TYPICAL SECTIONS
IL ROUTE 8

SCALE: 1"=5' SHEET 1 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	19
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		

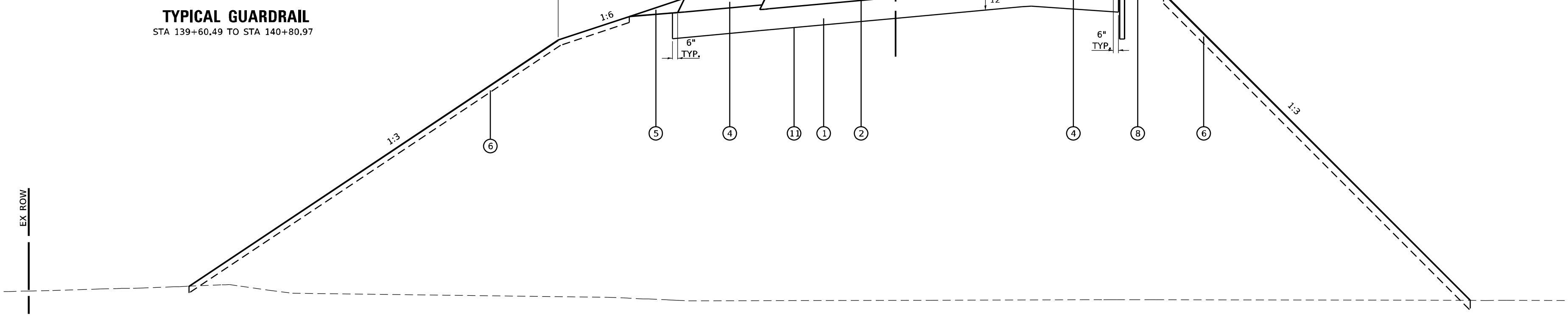
LEGEND

1. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT (12" AND VARIES)
2. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10 1/4"
3. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"
4. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
5. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
6. PROPOSED TOPSOIL FURNISH AND PLACE, 4"
7. PROPOSED PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
8. PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
9. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
10. PROPOSED CONCRETE GUTTER, TYPE A (SPECIAL)
11. PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION



TYPICAL GUARDRAIL

STA 139+60.49 TO STA 140+80.97



PROPOSED IL ROUTE 8 SUPERELEVATED SECTION

STA 134+98.46 TO STA 140+55.02

(1) IF SUPER ELEVATION SLOPE EXCEEDS 4% THEN THE SHOULDER SLOPE SHALL BE ADJUSTED AS FOLLOWS:

HIGH SIDE: VARY THE SHOULDER SLOPE TO MAINTAIN A MAXIMUM 8% SLOPE BREAKOVER.

LOW SIDE: SHOULDER SLOPE SHALL MATCH SUPERELEVATION SLOPE.

(2) SEE PLAN AND PROFILE SHEETS FOR DITCH PROFILE.

(3) CLEAR ZONE ON OUTSIDE OF CURVE IS 30'.

(4) SEE CROSS SECTIONS FOR DITCH WIDTH.

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-typicals.dgn

LOCHMUELLER GROUP, 1928 SnA Bradley R. Smith Drive, Troy, IL 62294, PHONE: 618.667.1400	USER NAME = Betsy	DESIGNED - JLS	REVISED -
	MODEL NAME = Typ 02	DRAWN - PDB	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -
	PLOT DATE = 8/22/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
IL ROUTE 8

SCALE: 1"=5' SHEET 2 OF 5 SHEETS

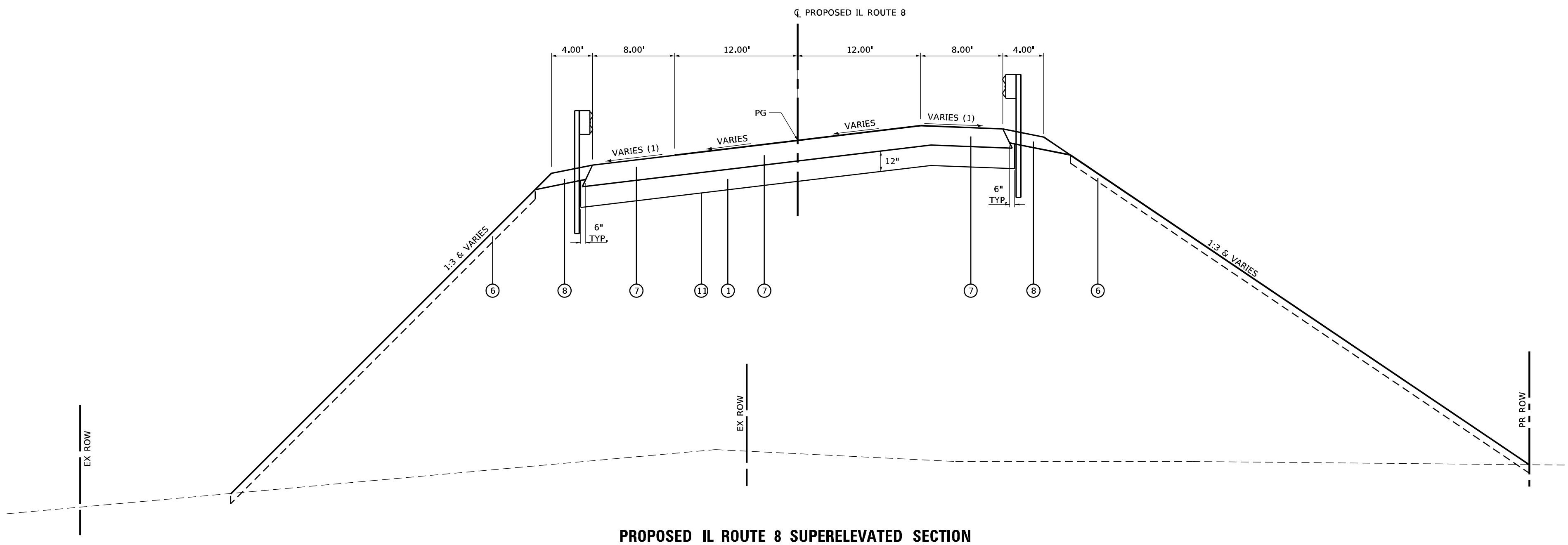
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	20

CONTRACT NO. 68799

ILLINOIS FED. AID PROJECT

LEGEND

1. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT (12" AND VARIES)
2. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10 1/4"
3. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"
4. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
5. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
6. PROPOSED TOPSOIL FURNISH AND PLACE, 4"
7. PROPOSED PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
8. PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
9. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
10. PROPOSED CONCRETE GUTTER, TYPE A (SPECIAL)
11. PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION



PROPOSED IL ROUTE 8 SUPERELEVATED SECTION

STA 140+55.02 TO STA 140+85.02
BRIDGE OMISSION STA 140+85.02 TO STA 144+95.67
STA 144+95.67 TO STA 145+25.67

(1) IF SUPER ELEVATION SLOPE EXCEEDS 4% THEN THE SHOULDER SLOPE SHALL BE ADJUSTED AS FOLLOWS:

HIGH SIDE: VARY THE SHOULDER SLOPE TO MAINTAIN A MAXIMUM 8% SLOPE BREAKOVER.

LOW SIDE: SHOULDER SLOPE SHALL MATCH SUPERELEVATION SLOPE.

(2) SEE PLAN AND PROFILE SHEETS FOR DITCH PROFILE.

(3) CLEAR ZONE ON OUTSIDE OF CURVE IS 30'.

(4) SEE CROSS SECTIONS FOR DITCH WIDTH.

FILE NAME: S:\Projects\408-0024-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-typicals.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = Typ 03	DRAWN - PDB	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

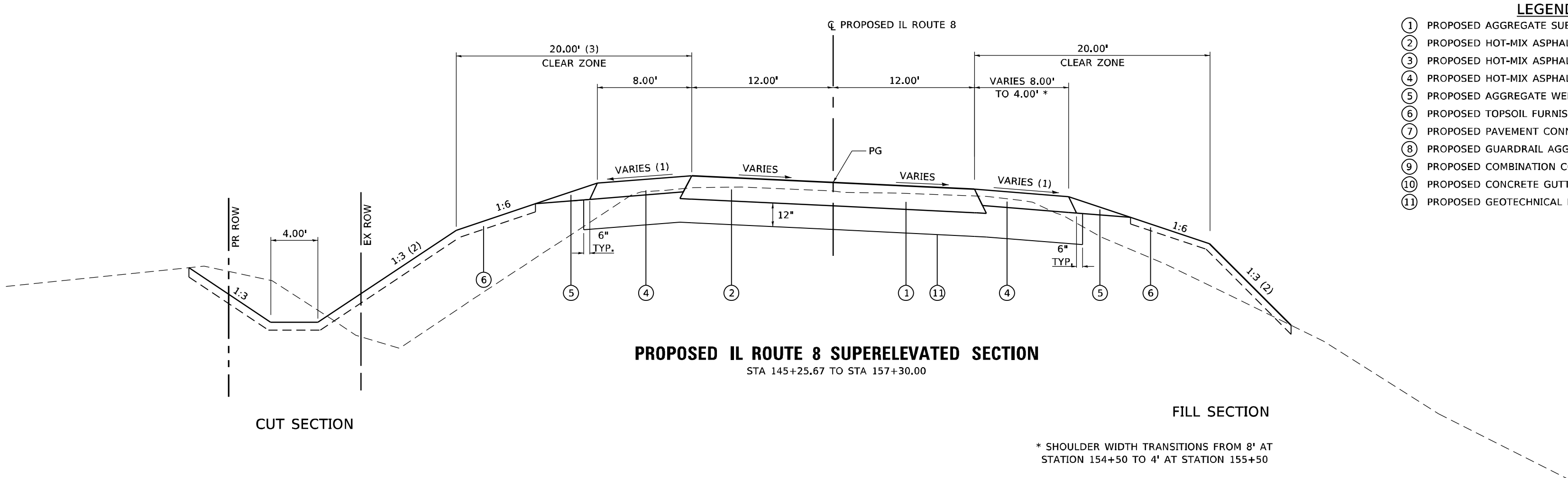
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
IL ROUTE 8

SCALE: 1"-5" | SHEET 3 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	21
		CONTRACT NO. 68799		

ILLINOIS | FED. AID PROJECT



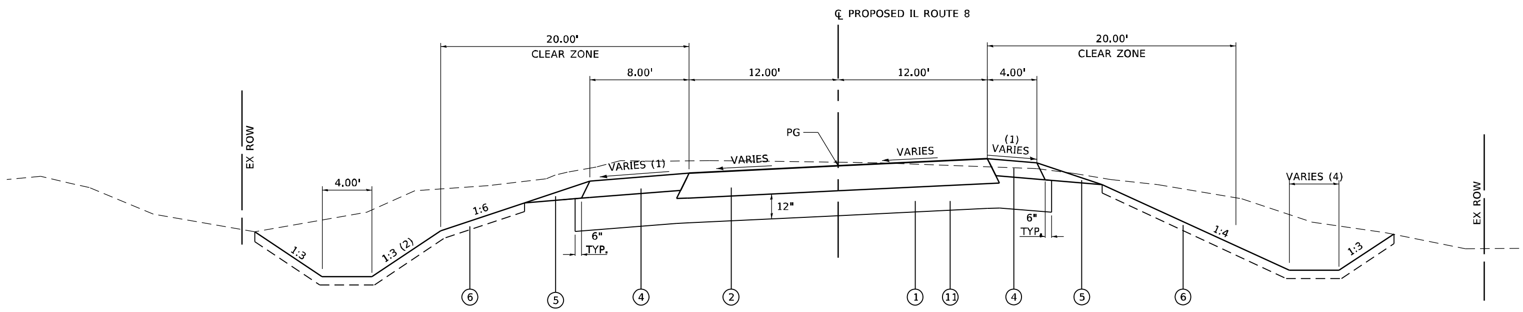
PROPOSED IL ROUTE 8 SUPERELEVATED SECTION

STA 145+25.67 TO STA 157+30.00

* SHOULDER WIDTH TRANSITIONS FROM 8' AT STATION 154+50 TO 4' AT STATION 155+50

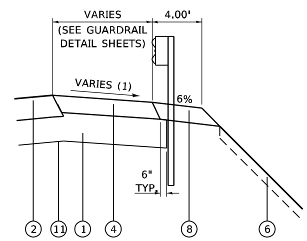
LEGEND

1. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT (12" AND VARIES)
2. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10 1/4"
3. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"
4. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
5. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
6. PROPOSED TOPSOIL FURNISH AND PLACE, 4"
7. PROPOSED PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
8. PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
9. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
10. PROPOSED CONCRETE GUTTER, TYPE A (SPECIAL)
11. PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION



PROPOSED IL ROUTE 8 SUPERELEVATED SECTION

STA 157+30.00 TO STA 160+70.00



TYPICAL GUARDRAIL

STA 144+59.72 TO STA 145+93.33 LT
STA 144+99.72 TO STA 145+95.40 RT
STA 155+82.00 TO STA 156+82.00 RT
STA 157+30.00 TO STA 159+41.18 RT

(1) IF SUPER ELEVATION SLOPE EXCEEDS 4% THEN THE SHOULDER SLOPE SHALL BE ADJUSTED AS FOLLOWS:

HIGH SIDE: VARY THE SHOULDER SLOPE TO MAINTAIN A MAXIMUM 8% SLOPE BREAKOVER.

LOW SIDE: SHOULDER SLOPE SHALL MATCH SUPERELEVATION SLOPE.

(2) SEE PLAN AND PROFILE SHEETS FOR DITCH PROFILE.

(3) CLEAR ZONE ON OUTSIDE OF CURVE IS 30'.

(4) SEE CROSS SECTIONS FOR DITCH WIDTH.

FILE NAME: \\Central\cd4\PD\GEN\WINWORD\STD&PLNS\Squad23\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-typicals.dgn

LOCHMUELLER GROUP
1928 S-A Bradley S. Smith Drive, Troy, IL 62294

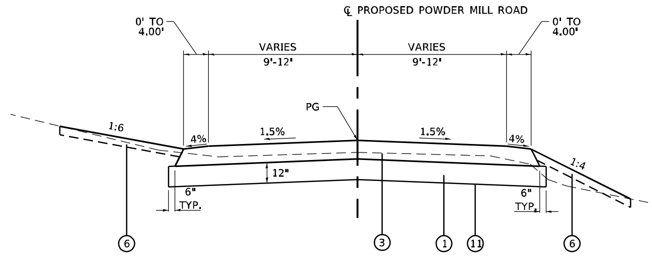
USER NAME = diazaa	DESIGNED - JLS	REVISED - AAD (IDOT) 05/05/21	
MODEL NAME = Typ 04	DRAWN - PDB	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 5/5/2021	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
IL ROUTE 8

SCALE: 1"=5' SHEET 4 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	22
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		

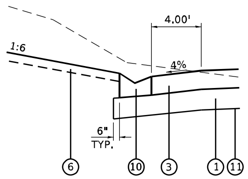


PROPOSED POWDER MILL ROAD TYPICAL SECTION

STA 4+45.00 TO STA 5+55.46

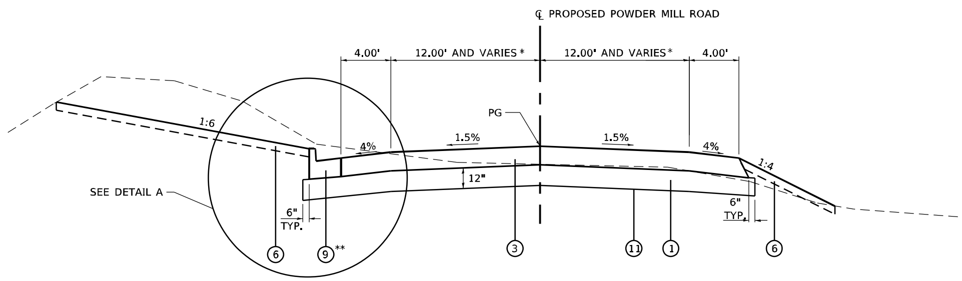
LEGEND

1. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT (12" AND VARIES)
2. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10 1/4"
3. PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"
4. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
5. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
6. PROPOSED TOPSOIL FURNISH AND PLACE, 4"
7. PROPOSED PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
8. PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
9. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
10. PROPOSED CONCRETE GUTTER, TYPE A (SPECIAL)
11. PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION



DETAIL A

STA 7+78.94 TO STA 9+19.43

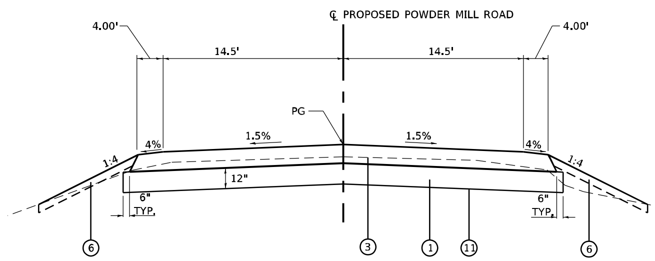


PROPOSED POWDER MILL ROAD TYPICAL SECTION

STA 5+55.46 TO STA 10+00.00

* LANE WIDTH VARIES FROM 12' TO 14.5'
STA 8+68.35 TO STA 9+43.35

** FROM STA 7+53.94 TO STA 7+78.94
CONCRETE CURB AND GUTTER TYPE B-6.24
TRANSITION TO CONCRETE GUTTER, TYPE A (SPECIAL)



PROPOSED POWDER MILL ROAD TYPICAL SECTION

STA 10+00.00 TO STA 11+48.12

(1) IF SUPER ELEVATION SLOPE EXCEEDS 4% THEN THE SHOULDER SLOPE SHALL BE ADJUSTED AS FOLLOWS:

HIGH SIDE: VARY THE SHOULDER SLOPE TO MAINTAIN A MAXIMUM 8% SLOPE BREAKOVER.

LOW SIDE: SHOULDER SLOPE SHALL MATCH SUPERELEVATION SLOPE.

(2) SEE PLAN AND PROFILE SHEETS FOR DITCH PROFILE.

(3) CLEAR ZONE ON OUTSIDE OF CURVE IS 30'.

(4) SEE CROSS SECTIONS FOR DITCH WIDTH.

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-typicals.dgn

LOCHMUELLER GROUP	USER NAME = Betsy	DESIGNED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS IL ROUTE 8
	MODEL NAME = Typ 05	DRAWN - PDB	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -		
	PLOT DATE = 8/22/2019	DATE -	REVISED -		SCALE: 1"=5' SHEET 5 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	23
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK SCHEDULE

LOCATION		EARTH EXCAVATION	FOR INFORMATION ONLY			FURNISHED EXCAVATION	REMARKS
			EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)		
STATION TO STATION	ROADWAY	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	
STAGE 1	IL 8	6519	4889	131750	-126861	126861	
STAGE 2	IL 8	19071	14303	47851	-33548	28245	OBTAIN 5303 CY FROM POWDER MILL
POWDER MILL	POWDER MILL	8295	6222	919	5303	0	PLACE EXCESS AS EMBANKMENT: 5303 CY ON IL 8 STAGE 2
	SUBTOTAL	33885	25414	180520	-155106	155106	
	PAY TOTAL	33885	25414	180520	-155106	155106	

MOWING SCHEDULE

LOCATION			MOWING
STATION TO STATION	SIDE	ROADWAY	(ACRE)
125+00 TO 160+51	LT/RT	EX IL 8	1.95
125+00 TO 160+70	LT/RT	PR IL 8	1.88
4+45 TO 11+25	LT/RT	POWDER MILL	0.40
		SUBTOTAL	4.23
		PAY TOTAL	4.25

TREE REMOVAL SCHEDULE

LOCATION			TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL, ACRES
STATION	SIDE	ROADWAY	(UNIT)	(ACRE)
126+45 TO 142+95	RT	IL 8 (PR)		6.00
127+30 TO 139+50	LT	IL 8 (PR)		1.25
141+75 TO 146+30	RT	IL 8 (PR)		0.75
147+95	LT	IL 8 (PR)	8	
148+29	LT	IL 8 (PR)	6	
148+53	LT	IL 8 (PR)	8	
4+33 TO 5+60	RT	POWDER MILL (PR)		0.25
8+15 TO 10+95	LT	POWDER MILL (PR)		0.50
		SUBTOTAL	22	8.75
		PAY TOTAL	22	8.75

TEMPORARY FENCE SCHEDULE

LOCATION			TEMPORARY FENCE
STATION TO STATION	SIDE	ROADWAY	(FOOT)
128+80 TO 139+20	LT	IL 8 (PR)	1000
124+95 TO 142+00	RT	IL 8 (PR)	1800
156+97 TO 158+40	LT	IL 8 (PR)	143
		SUBTOTAL	2943
		PAY TOTAL	2943

PROPOSED TREE SCHEDULE

LOCATION			TREE, BETULA NIGRA (RIVER BIRCH), CONTAINER GROWN, 3-GALLON	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), CONTAINER GROWN, 5-GALLON	SEEDLINGS
STATION	SIDE	ROADWAY	(EACH)	(EACH)	(UNIT)
125+19	LT	IL 8 (PR)		1	
125+44	LT	IL 8 (PR)		1	
125+69	LT	IL 8 (PR)		1	
125+93	LT	IL 8 (PR)		1	
126+18	LT	IL 8 (PR)		1	
140+00 TO 142+30	RT	IL 8 (PR)			1
144+51	LT	IL 8 (PR)	1		
144+88	LT	IL 8 (PR)	1		
145+26	LT	IL 8 (PR)	1		
145+62	LT	IL 8 (PR)	1		
146+00	LT	IL 8 (PR)	1		
146+00 TO 147+05	RT	IL 8 (PR)			1
147+06 TO 149+70	LT	IL 8 (PR)			3
147+40 TO 153+50	RT	IL 8 (PR)			2
		SUBTOTAL	5	5	7
		PAY TOTAL	5	5	7

SEEDING SCHEDULE

LOCATION			TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 3	SEEDING, CLASS 5B	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2
STATION TO STATION	SIDE	ROADWAY	(SQ YD)	(ACRE)	(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)
125+00 TO 160+70	LT	IL 8	45383.60	11.30	0.88	1017	1017	1017	11.30
4+45 TO 11+60	RT	POWDER MILL	4591.90	1.1		100	100	100	1.1
AREA DISTURBED DURING STAGING									6.0
		SUBTOTAL	49975.50	12.40	0.88	1117	1117	1117	18.40
		PAY TOTAL	49976	12.50	1.00	1125	1125	1125	18.50

PAVING SCHEDULE

LOCATION STATION TO STATION	ROADWAY	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6" (SQ YD)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4" (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (POUND)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (POUND)	AGGREGATE SUBGRADE IMPROVEMENT (TON)	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB (SQ YD)	HOT-MIX ASPHALT SHOULDERS, 8" (SQ YD)	AGGREGATE WEDGE SHOULDERS, TYPE B (TON)	TEMPORARY RAMP (SQ YD)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD)	MATERIAL TRANSFER DEVICE (TON)
125+00.00 TO 133+65.50	IL 8		2390	9174.3	7377.5	3068.6		1538.7	212.7		4077	1372
133+65.50 TO 134+98.50	IL 8		367	1409.8	1133.7	471.6		236.4	23.7		627	211
134+98.50 TO 140+55.02	IL 8		1537	6108.4	4820.6	2050.5		1135.8	50.4		2715	882
140+53.60 TO 140+90.60	IL 8			286.2		112.9	134				127	
144+90.10 TO 145+25.67	IL 8			286.2		112.9	134				127	
145+25.67 TO 147+28.70	IL 8		561	2309.3	1786.9	766.1		342.4	10.9		1026	322
147+28.70 TO 155+50.00	IL 8		2268	8705.8	5167.0	2911.9		1437.9	201.9		3869	1302
155+50.00 TO 160+70.00	IL 8		1436	5197.5	3179.2	1726.7		700.5	94.9		2309	824
4+45.00 TO 11+40.00	POWDER MILL	2916		6012.1	1882.8	2010.4				13.0	2872	980
	SUBTOTAL	2916	8559	39489.6	25347.7	13231.6	268	5391.7	594.5	13.0	17749	5893
	PAY TOTAL	2916	8559	39490	25348	13232	268	5392	595	13	17749*	5893

* NOT A TOTAL QUANTITY

PAVEMENT MARKING SCHEDULE

LOCATION		MODIFIED URETHANE PAVEMENT MARKING - LINE 4"			MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	PAVEMENT MARKING REMOVAL - WATER BLASTING	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STATION TO STATION	ROADWAY	SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)	YELLOW SKIP-DASH (FOOT)	SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)	AMBER TWO-WAY (EACH)	(SQ FT)	(EACH)
125+00 to 164+00	IL 8	7739	6200	400			49	358	4
4+45 to 11+38	POWDER MILL	1384	1387		47	33			
	SUBTOTAL	9123	7587	400	47	33	49	358	4
	PAY TOTAL	17110			47	33	49	358	4

CHANGEABLE MESSAGE SIGN SCHEDULE

LOCATION STATION TO STATION	SIDE	ROADWAY	CHANGEABLE MESSAGE SIGN (CAL DA)
	EB	IL 8	42
	WB	IL 8	42
		SUBTOTAL	84
		PAY TOTAL	84

FILE NAME: \\Central\d4\PD\GEN\WINWORD\STD&PLNS\Squad03\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-schedule.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = diazaa	DESIGNED - JLS	REVISED - AAD (IDOT) 05/04/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
MODEL NAME = Sch-02	DRAWN - PDB	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 5/4/2021	DATE - 01-17-18	REVISED -	

SCHEDULE OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 2 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	25

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

GUARDRAIL SCHEDULE

LOCATION STATION TO STATION	SIDE	ROADWAY	GUARDRAIL REMOVAL (FOOT)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	GUARDRAIL AGGREGATE EROSION CONTROL (TON)	TERMINAL MARKER - DIRECT APPLIED (EACH)	GUARDRAIL REFLECTORS, TYPE A (EACH)
130+02.00 TO 136+97.00	LT	IL 8	695							
131+53.00 TO 137+00.00	RT	IL 8	547							
134+24.90 TO 141+20.97	RT	IL 8		612.5	1		1	144	1	8
139+50.00 TO 140+80.97	LT	IL 8		37.5		1	1	28	1	4
141+32.00 TO 141+37.00	LT	IL 8	40							
141+32.00 TO 144+13.00	RT	IL 8	281							
144+59.72 TO 146+03.30	LT	IL 8		50		1	1	30	1	4
144+99.72 TO 146+05.40	RT	IL 8		12.5		1	1	22	1	4
155+72.00 TO 156+88.17	RT	IL 8			2			26	2	4
157+23.83 TO 159+51.17	RT	IL 8		112.5	1	1		51	2	4
		SUBTOTAL	1563	825	4	4	4	301	8	28
		PAY TOTAL	1563	825	4	4	4	301	8	28

ROCK FILL SCHEDULE

LOCATION STATION	SIDE	ROADWAY	ROCK FILL (CU YD)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD)
157+50 TO 160+66	LT	IL 8	351	536
		SUBTOTAL	351	536
		PAY TOTAL	351	536*

* NOT A TOTAL QUANTITY

REMOVAL SCHEDULE

LOCATION STATION TO STATION	ROADWAY	PAVEMENT REMOVAL (SQ YD)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	GUTTER REMOVAL (FOOT)	APPROACH SLAB REMOVAL (SQ YD)	HOT-MIX ASPHALT REMOVAL (SPECIAL) (SQ YD)
125+00.00 TO 136+99.73	EX IL 8	3610				
132+31.28 TO 136+97.00	EX IL 8			466		
136+50.00 TO 136+98.00	EX IL 8				89	
141+32.00 TO 141+72.00	EX IL 8				89	
141+32.23 TO 147+39.40	EX IL 8			607		
141+32.23 TO 160+50.00	EX IL 8	6033				
142+96.07 TO 146+86.88	EX IL 8			391		
144+52.56	EX IL 8		68			
144+85.93	EX IL 8		105			
145+35.54	EX IL 8		67			
4+45.00 TO 6+73.00	POWDER MILL					450
	SUBTOTAL	9643	240	1464	178	450
	PAY TOTAL	9643	240	1464	178	450

DRAINAGE REMOVAL SCHEDULE

LOCATION STATION TO STATION	SIDE	ROADWAY	REMOVING INLETS (EACH)	BOX CULVERT REMOVAL (FOOT)	PIPE CULVERT REMOVAL (FOOT)	TRENCH BACKFILL (CU YD)	DESCRIPTION
146+83	LT	EX IL 8	1		43		15" CMP
147+19	LT/RT	EX IL 8		55	62	124.3	48" CMP/4'X3' BOX AND HEADWALL
147+38	RT	EX IL 8	1		15		15" CMP
149+26 TO 149+53	LT	EX IL 8			27		12" CMP
156+56 TO 156+78	LT	EX IL 8			22		24" CMP
156+71 TO 157+02	RT	EX IL 8			32		24" CMP
157+87	LT/RT	EX IL 8		50		73.3	4'X3' BOX AND HEADWALL WITH DROP STRUCTURE
		SUBTOTAL	2	105	201	197.6	
		PAY TOTAL	2	105	201	198*	

* NOT A TOTAL QUANTITY

WICK DRAIN AND SAND BLANKET SCHEDULE

LOCATION STATION TO STATION	SIDE	ROADWAY	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS (CU YD)	WICK DRAINS (FOOT)	SAND DRAINAGE BLANKET (CU YD)	PIEZOMETERS (EACH)	SETTLEMENT PLATFORMS (EACH)	SLOPE INCLINOMETER (EACH)
133+50 TO 142+19	RT/LT	IL 8		76933	11017	3	2	2
144+16.6 TO 151+50	RT/LT	IL 8	2196	75957	6969	1	2	1
		SUBTOTAL	2196	152890	17986	4	4	3
		PAY TOTAL	2196	152890	17986	4	4	3

SEALING ABANDONED WATER WELLS SCHEDULE

LOCATION STATION	SIDE	ROADWAY	SEALING ABANDONED WATER WELLS (EACH)
146+00	RT	IL 8	1
148+10	LT	IL 8	1
149+55	LT	IL 8	1
		SUBTOTAL	3
		TOTAL	3

FILE NAME: Q:\PD\GEN\WINWORD\STD&PLNS\Squad83\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-schedule.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = horstkj	DESIGNED - JLS	REVISED - AAD (IDOT) 05/04/21	
MODEL NAME = Sch-03	DRAWN - PDB	REVISED - KH (IDOT) 06/11/21	
PLOT SCALE = 0.1667 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 6/11/2021	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 3 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	26

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

RIGHT-OF-WAY SCHEDULE

LOCATION					FURNISHING AND ERECTING RIGHT OF WAY MARKERS	PERMANENT SURVEY MARKERS, TYPE I
STATION	ROADWAY	OFFSET	SIDE	DESCRIPTION	(EACH)	(EACH)
125+80.88	IL 8	55.00	RT		1	
126+39.39	IL 8	54.88	LT		1	
126+39.91	IL 8	50.00	LT		1	
128+00.00	IL 8	65.00	RT		1	
128+50.00	IL 8	70.00	LT		1	
131+50.00	IL 8	75.00	RT		1	
132+00.00	IL 8	80.34	LT		1	
133+00.70	IL 8	0.00	MID	PT STATION		1
134+50.00	IL 8	128.36	LT		1	
136+00.00	IL 8	120.00	RT		1	
136+11.26	IL 8	0.00	MID	PC STATION		1
136+50.00	IL 8	200.00	LT		1	
137+50.00	IL 8	135.00	RT		1	
138+67.07	IL 8	204.69	LT		1	
139+00.00	IL 8	150.00	RT		1	
139+61.52	IL 8	0.00	MID	PT STATION		1
141+50.00	IL 8	155.00	RT		1	
142+74.48	IL 8	140.00	RT		1	
142+92.91	IL 8	69.94	RT		1	
143+00.00	IL 8	0.00	MID			1
143+19.39	IL 8	30.69	LT		1	
146+19.17	IL 8	0.00	MID	PC STATION		1
147+42.38	IL 8	157.39	RT		1	
147+50.00	IL 8	110.00	LT		1	
149+37.93	IL 8	377.65	LT		1	
149+68.15	IL 8	110.00	LT		1	
150+31.02	IL 8	0.00	MID	PT STATION		1
151+98.53	IL 8	0.00	MID	PC STATION		1
153+88.45	IL 8	67.09	RT		1	
155+00.00	IL 8	65.00	LT		1	
156+80.89	IL 8	67.34	LT		1	
158+50.00	IL 8	60.00	LT		1	
159+43.20	IL 8	0.00	MID	PT STATION		1
160+50.00	IL 8	55.00	LT		1	
161+00.00	IL 8	40.00	LT		1	
1+00.00	POWDER MILL	0.00	MID	POT STATION		1
2+48.47	POWDER MILL	0.00	MID	PC STATION		1
3+76.75	POWDER MILL	0.00	MID	PT STATION		1
5+55.46	POWDER MILL	0.00	MID	PC STATION		1
7+15.23	POWDER MILL	34.11	LT		1	
7+27.94	POWDER MILL	0.00	MID	PT STATION		1
9+43.35	POWDER MILL	0.00	MID	PC STATION		1
9+50.00	POWDER MILL	70.00	LT		1	
9+97.59	POWDER MILL	125.28	LT		1	
10+30.73	POWDER MILL	0.00	MID	POT STATION		1
10+02.03	POWDER MILL	95.00	LT		1	
11+18.12	POWDER MILL	0.00	MID	PT STATION		1
11+60.12	POWDER MILL	0.00	MID	POT STATION		1
				SUBTOTAL	31	17
				PAY TOTAL	31	17

CURB AND GUTTER SCHEDULE

LOCATION			PROTECTIVE COAT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	CLASS SI CONCRETE (OUTLET), SPECIAL	CONCRETE GUTTER, TYPE A (SPECIAL)
STATION TO STATION	SIDE	ROADWAY	(SQ YD)	(FOOT)	(CU YD)	(FOOT)
5+55.46 TO 7+78.94	LT	POWDER MILL	76.5	223.5		
7+78.94 TO 9+19.43	LT	POWDER MILL	48.1			141
9+19.43 TO 9+67.70	LT	POWDER MILL	26.5		6.2	
		SUBTOTAL	151.1	223.5	6.2	141
		PAY TOTAL	151*	223.5	6.2	141

* NOT A TOTAL QUANTITY

ENTRANCE SCHEDULE

LOCATION			PROTECTIVE COAT	AGGREGATE SURFACE COURSE, TYPE B	AGGREGATE FOR TEMPORARY ACCESS	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH
STATION	SIDE	ROADWAY	(SQ YD)	(TON)	(TON)	(SQ YD)
156+84.41	LT	IL 8		40		
157+08.01	RT	IL 8		23		
4+84.00	LT	POWDER MILL	37.7	11	26	38
5+28.27	LT	POWDER MILL	33.3	3	19	33
6+64.92	LT	POWDER MILL	12.0	2	13	12
7+38.17	LT	POWDER MILL	11.9	9	32	12
CONTRACTOR ACCESS					100	
		SUBTOTAL	94.9	88	190	95
		PAY TOTAL	95*	88	190	95

* NOT A TOTAL QUANTITY

RIPRAP SCHEDULE

LOCATION			STONE RIPRAP, CLASS A4	STONE RIPRAP, CLASS A5	STONE RIPRAP, CLASS B3	FILTER FABRIC	STONE DUMPED RIPRAP, CLASS A4
STATION	SIDE	ROADWAY	(SQ YD)	(SQ YD)	(TON)	(SQ YD)	(TON)
140+60	LT	IL 8			45.5	136	
141+00	RT	IL 8			62.5	188	
141+40	RT	IL 8	47			47	
144+80	LT	IL 8			38.1	114	
145+20	RT	IL 8			45.3	136	
147+50	RT	IL 8		50		50	
157+75	RT	IL 8	97			97	75
9+67 TO 10+99	LT	Powder Mill	399			399	
		SUBTOTAL	543	50	191.4	1167	75
		PAY TOTAL	543	50	192	1167	75

NOTE: THE EXACT LOCATION OF THE STONE DUMPED RIPRAP, CLASS A4 SHALL BE DETERMINED THROUGH COORDINATION WITH BNSF RAILWAY.

FILE NAME: \\Central\d4\PD\GEN\WINWORD\STD\PLNS\Squad03\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\046879-sht-schedule.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = diazaa	DESIGNED - JLS	REVISED - AAD (IDOT) 05/04/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
MODEL NAME = Sch-04	DRAWN - PDB	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 5/4/2021	DATE - 01-17-18	REVISED -	

SCHEDULE OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 4 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	27

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

SIGN SCHEDULE

LOCATION			MUTCD		SIGN DIMENSIONS	SIGN PANEL - TYPE 1	SIGN PANEL - TYPE 2	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT
STATION	SIDE	ROADWAY	SIGN NO.	SIGN DESCRIPTION	(IN. X IN.)	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)
124+86	RT	IL 8		SPEED LIMIT	24 x 30					1		16	
125+87	LT	IL 8		STATE PARK/ INTERSTATE							1		18
128+15	RT	IL 8		ROUTE	24 x 24			1					
128+50	RT	IL 8	M1-100	ROUTE	24 x 24	4.00						15	
128+50	RT	IL 8	M3-2	CARDINAL DIRECTION	24 x 12	2.00							
128+98	RT	IL 8		SPEED LIMIT	30 x 30			1					
128+98	RT	IL 8	W1-4L	CURVE AHEAD	30 x 30					1			15
129+15	LT	IL 8	R2-1	STOP AHEAD	24 x 30			1					
129+16	LT	IL 8		TOURIST ACTIVITIES	30 x 30						1		29
129+80	LT	IL 8	W3-1	STOP AHEAD	30 x 30	6.25						15	
130+40	LT	IL 8	W2-1	INTERSECTION	30 x 30						1		16
132+50	LT	IL 8	R2-1	SPEED LIMIT	24 x 30	5.00						14	
133+03	LT	IL 8		SPEED LIMIT	36 x 24			1					
135+05	LT	IL 8	R12-4	WEIGHT LIMIT				1					
136+10	RT	IL 8	W1-8R	CHEVRON ALIGNMENT	30 x 30	3.00						14	
136+65	LT	IL 8	W2-2L/W16-2P	INTERSECTION/ XX FEET	30 x 30				1				
137+25	LT	IL 8	W1-8L	CHEVRON ALIGNMENT	18 x 24	3.00						14	
137+25	RT	IL 8	W1-8R	CHEVRON ALIGNMENT	18 x 24	3.00							
138+45	LT	IL 8	W1-8L	CHEVRON ALIGNMENT	18 x 24	3.00						14	
138+45	RT	IL 8	W1-8R	CHEVRON ALIGNMENT	18 x 24	3.00							
139+60	RT	IL 8	W1-8L	CHEVRON ALIGNMENT	18 x 24	3.00						14	
140+50	RT	IL 8	W2-2	T-INTERSECTION	18 x 24	6.25						15	
140+50	RT	IL 8	W16-2P	XX FEET	30 x 30	3.00							
145+25	RT	IL 8	W1-4R	CURVE	24 x 18	6.25						15	
145+60	LT	IL 8	W1-8L	CHEVRON ALIGNMENT	30 x 30	3.00						13	
146+37	LT	IL 8	R2-1	SPEED LIMIT	24 x 30			1					
146+49	LT	IL 8	W1-8L	INTERSECTION/ XX FEET	30 x 30				1				
146+80	RT	IL 8	W1-7	TWO DIRECTION LARGE ARROW	18 x 24	8.00						14	
147+03	LT	IL 8	W1-6	LOCATION/SPEED LIMIT	48 x 24			1					
147+95	RT	IL 8	W1-8R	CHEVRON ALIGNMENT	18 x 24	3.00						14	
147+95	LT	IL 8	W1-8L	CHEVRON ALIGNMENT	18 x 24	3.00							
148+00	RT	IL 8	R4-2	PASS WITH CARE	24 x 30	5.00						15	
148+50	LT	IL 8	R2-1	SPEED LIMIT	24 x 30	5.00						14	
149+15	LT	IL 8	W1-8R	CHEVRON ALIGNMENT	18 x 24	3.00						14	
149+15	LT	IL 8	W1-8L	CHEVRON ALIGNMENT	18 x 24	3.00							
150+30	LT	IL 8	W1-8R	CHEVRON ALIGNMENT	18 x 24	3.00						14	
152+00	RT	IL 8	W1-8R	CHEVRON ALIGNMENT	18 x 24	3.00						14	
152+05	LT	IL 8	W1-4	CURVE	30 x 30	6.25						15	
152+86	RT	IL 8	W3-5	ARROW	36 x 36			1					
152+88	LT	IL 8	W1-4	CURVE/ SPEED LIMIT					1				
152+90	LT	IL 8	W2-2	T-INTERSECTION	30 x 30	6.25						15	
152+90	LT	IL 8	W16-2P	XX FEET	24 x 18	3.00							
154+00	RT	IL 8	W1-8L	CHEVRON ALIGNMENT	36 x 36	3.00						15	
154+00	RT	IL 8	W1-8R	CHEVRON ALIGNMENT	18 x 24	3.00							
156+00	RT	IL 8	W1-8R	CHEVRON ALIGNMENT	18 x 24	3.00						16	
156+00	RT	IL 8	W1-8L	CHEVRON ALIGNMENT	18 x 24	3.00							
157+50	RT	IL 8	W14-3	NO PASS ZONE					1				
157+96	LT	IL 8	W1-2	REDUCE SPEED LIMIT	30 x 30			1					
158+00	RT	IL 8	W1-8L	CHEVRON ALIGNMENT	18 x 24	3.00						17	
158+00	RT	IL 8	W1-8R	CHEVRON ALIGNMENT	18 x 24	3.00							
160+00	RT	IL 8	W1-8L	CHEVRON ALIGNMENT	18 x 24	3.00						17	
161+00	LT	IL 8	R2-1	SPEED LIMIT	18 x 24	5.00						19	
161+00	RT	IL 8	R2-1	SPEED LIMIT	24 x 30	5.00						17	
164+00	RT	IL 8	W14-3	NO PASSING ZONE	48 x 36		12					19	
164+00	LT	IL 8	R4-1	PASS WITH CARE	30 x 30	5.00						18	
166+00	LT	IL 8	W3-5	REDUCE SPEED LIMIT	30 x 30	6.25						19	
5+46	RT	POWDER MILL		STOP SIGN	30 x 30			1					
8+02	LT	POWDER MILL	R12-1	WEIGHT LIMIT	36 x 24			1					
11+36	RT	POWDER MILL	R1-1	STOP	36 x 36	9.0						16	
					SUBTOTAL	156.50	12	11	4	2	3	461	78
					PAY TOTAL	157	12	11	4	2	3	461	78

FILE NAME: S:\Projects\408-0024-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-schedule.dgn

LOCHMUELLER GROUP

USER NAME = Betsy	DESIGNED - JLS	REVISED -
MODEL NAME = Sch-05	DRAWN - PDB	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ESW	REVISED -
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL ROUTE 8

SCALE: NONE | SHEET 5 OF 5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	28

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

DRAINAGE SCHEDULE

LOCATION	PIPE CULVERT CLASS D EQUIV ROUND 42"	PIPE CULVERT CLASS A TYPE 2 36"	PIPE CULVERT CLASS A TYPE 4 48"	PIPE CULVERT CLASS A TYPE 6 48"	PIPE CULVERT CLASS D TYPE 1 24"	PIPE CULVERT CLASS D TYPE 1 48"	TRENCH BACKFILL (1)	PRECAST RC FLARED END SECTION 36"	PRECAST RC FLARED END SECTION 48"	CIP RC FLARED END SECTION 48"	METAL FLARED END SECTION 24"	METAL FLARED END SECTION 48"	SLOPED METAL END SECTION 42"	MH TY A 7' DIA TY 1 FRAME CLOSED LID
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	CU YD	EACH	EACH	EACH	EACH	EACH	EACH	EACH
STAGE I														
STA 141+40.43				276			336							
STA 140+22.45, 98.60' LT										1				
STA 142+33.85, 78.42' RT										1				
STAGE 2														
IL 8														
STA 157+98.60		56					25							
STA 158+16.09		56					25							
STA 147+50			154				219							
STA 156+59.72, 48.56' LT TO STA 157+06.71, 50.08' LT					47									
STA 156+67.34, 39.90' RT TO STA 157+68.17, 28.23' RT	116													
STA 147+26.62, 79.02' RT									1					
STA 156+67.34, 41.41' RT													1	
STA 156+59.72, 48.56' LT											1			
STA 157+06.71, 50.08' LT											1			
STA 157+68.17, 28.23' RT													1	
STA 157+98.60, 34' LT								1						
STA 158+16.09, 34' LT								1						
POWDERMILL ROAD														
STA 10+97.00, 82.06' LT												1		
STA 10+97.00, 82.06' LT TO STA 11+03.24, 88.05' LT						13								
STA 11+04.90, 89.82' LT														1
TOTAL	116	112	154	276	47	13	* 605	2	1	2	2	1	2	1

* NOT A TOTAL QUANTITY

(1) TRENCH BACKFILL LIMITS STA. 41+40.43 & STA. 147+50 EXTEND LENGTHWISE FROM 3' INSIDE EACH END OF PIPE AND VERTICALLY UP TO THE EXISTING GROUNDLINE OR 1' ABOVE THE TOP OF THE PIPE - WHICHEVER IS GREATER.
TRENCH BACKFILL LIMITS STA. 157=98.6 & STA. 158+16.09 EXTEND LENGTHWISE FROM 2' OUTSIDE TO OUTSIDE SHOULDERS AND VERTICALLY TO THE BOTTOM OF THE SUBGRADE.

DITCH CHECK SCHEDULE

LOCATION	TEMPORARY DITCH CHECK
	FOOT
STAGE I	
STA 135+84, 63.4' LT	16
STA 135+54, 58.6' LT	15
STA 136+15, 68.1' LT	16
STA 136+32, 70.5' LT	16
STA 136+70, 76.8' LT	16
STA 136+92, 81' LT	16
STA 137+05.51, 84.8' LT	16
STA 137+20, 90.7' LT	16
STA 137+35, 97' LT	16
STA 142+58.27, 100.4' RT	15
STAGE II	
STA 143+57.5, 43' LT	12
STA 143+71, 49' LT	12
STA 143+84.5, 55' LT	12
STA 143+98, 62' LT	12
STA 144+11.5, 67' LT	20
STA 144+25, 73' LT	31
STA 148+37.50, 76' LT	7
STA 148+75, 82' LT	9
STA 148+94, 85' LT	16
STA 149+16.85, 86' LT	14
STA 149+33.70, 86' LT	17
STA 149+84.4, 85' LT	11
STA 150+15, 82' RT	12
STA 150+37.50, 83' LT	7
STA 151+00, 81' LT	8
STA 151+62.50, 79' LT	9
STA 151+74, 75' RT	10
STA 152+37.50, 76' LT	8
STA 154+54, 56' RT	6
STA 155+75, 52' LT	9
STA 157+43, 51' LT	22
STA 9+85, 45' LT	31
STA 10+30, 67' LT	19
STA 10+46, 69' LT	19
STA 10+61, 71' LT	19
STA 10+75, 73' LT	19
TOTAL	529
TOTAL 3 APPLICATIONS	1587

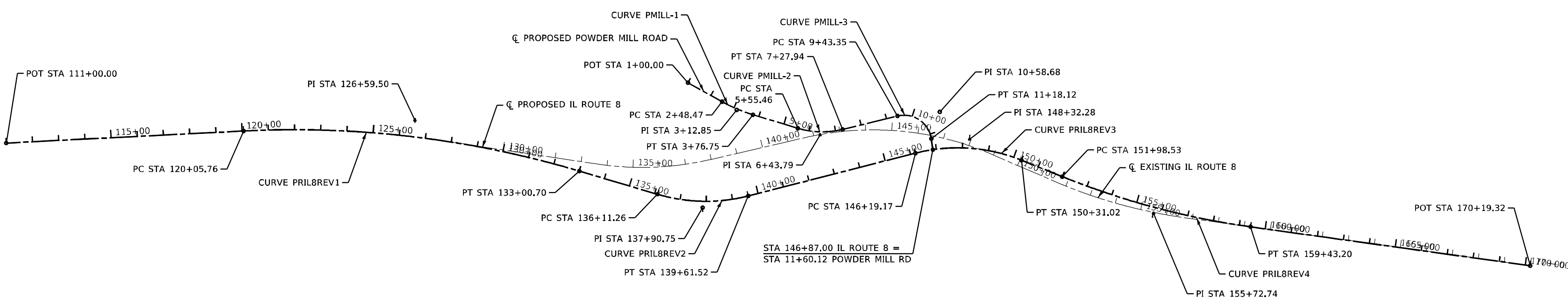
EROSION CONTROL SCHEDULE

LOCATION	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING (1)	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	HEAVY DUTY EROSION CONTROL BLANKET
	SQ YD	POUND	FOOT	EACH	SQ YD
STAGE I					
STA 127+37.49, 51.48' RT TO STA 141+75.29, 134.98' RT			1502		
STA 130+00.00 TO STA 146+62.53		1072			
STA 130+00.00 TO STA 142+20.94	14417				
STA 133+21.86, 20' LT TO STA 141+70.45, 0'			838		
STA 134+25.00, 71' RT TO STA 142+20.94, 0'			944		
STA 137+66.35, 123.78' LT TO STA 139+76.97, 141.92' LT			171		
STA 140+12.59, 108.49' LT				1	
STA 141+70.45, 0' TO STA 142+20.94, 50.24' RT			74		
STA 143+26.76 TO STA 146+62.53	2841				
STA 143+26.76, 50.24' LT TO STA 146+62.53, 0'			324		
STA 143+26.76, 50.24' LT TO STA 143+73.54, 0'			69		
STA 143+73.54, 0' RT TO STA 146+62.53, 0' RT			378		
STAGE 2					
STA 125+00 TO STA 160+75		1786			
STA 125+00.00, 44.39' LT TO STA 138+00.00, 128.10' LT			1342		
LT STA 125+00 TO STA 133+00					
RT STA 125+00 TO STA 130+00					
RT STA 125+00 TO STA 133+00					557
RT STA 130+00 TO STA 134+50	1558				
STA 125+00.00, 36' RT TO STA 141+42.27, 28.66' RT			1667		
LT STA 133+00 TO STA 138+00	4772				
STA 135+00.00, 35.00' LT TO STA 140+84.99, 28.63' LT			565		
STA 137+99.13, 130.37' LT TO STA 139+76.97, 141.92' LT			144		
STA 141+09.51, 252.66' LT TO STA 142+89.98, 48.21' LT			451		
STA 142+18.70, 219.81' LT TO STA 143+03.02, 184.90' LT			92		
STA 143+24.68, 180.38' LT TO STA 143+71.81, 176.05' LT			48		
STA 143+93.81, 175.82' LT TO STA 146+64.31, 218.99' LT			302		
STA 147+54.14, 86.20' LT				1	
STA 150+00.00, 92.24' LT TO STA 155+50.00, 59.08' LT			547		
STA 146+53.79, 65.45' RT TO STA 156+99.94, 42.82' RT			1027		
STA 156+48.16, 48.05' LT				1	
STA 156+54.21, 42.52' RT				1	
STA 157+16.89, 42.44' RT TO STA 160+75.00, 20.50' RT			364		
STA 157+22.05, 57.55' LT TO STA 160+70.00, 49' LT					
STA 157+50.00, 30.84' LT TO STA 160+70.00, 32.30' LT			321		
STA 157+97.90, 43.27' LT				1	
STA 157+98.15, 36.56' RT				1	
STA 158+15.63, 44.22' LT				1	
STA 158+15.70, 35.88' RT				1	
LT STA 141+10 TO STA 146+65					
LT STA 141+18 TO STA 146+51					
RT STA 146+65 TO STA 151+50	2462				
LT STA 147+13 TO STA 150+00	736				
LT STA 150+00 TO STA 160+70					
LT STA 150+00 TO STA 160+70					723
RT STA 151+50 TO STA 160+75					
TOTAL	26787	2858	11170	8	1280

(1) THE QUANTITY FOR TEMPORARY EROSION CONTROL SEEDING ASSUMES THREE SEPARATE APPLICATIONS AT A RATE OF 100 POUNDS/ACRE PER APPLICATION. THE CONTRACTOR SHALL APPLY AS NECESSARY AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

PROP. CURVE PRIL8REV1	PROP. CURVE PRIL8REV2	PROP. CURVE PRIL8REV3	PROP. CURVE PRIL8REV4	PROP. CURVE PMILL-1	PROP. CURVE PMILL-2	PROP. CURVE PMILL-3
PI STA. = 126+59.50	PI STA. = 137+90.75	PI STA. = 148+32.28	PI STA. = 155+72.74	PI STA. = 3+12.85	PI STA. = 6+43.79	PI STA. = 10+58.68
Δ = 19° 25' 25" (RT)	Δ = 30° 52' 26" (LT)	Δ = 36° 18' 13" (RT)	Δ = 14° 02' 06" (LT)	Δ = 12° 15' 00" (LT)	Δ = 30° 30' 06" (LT)	Δ = 95° 22' 08" (RT)
D = 1° 30' 00"	D = 8° 48' 53"	D = 8° 48' 53"	D = 1° 53' 05"	D = 9° 32' 57"	D = 17° 41' 02"	D = 54° 34' 03"
R = 3,819.83'	R = 650.00'	R = 650.00'	R = 3,040.00'	R = 600.00'	R = 324.00'	R = 105.00'
T = 653.75'	T = 179.49'	T = 213.10'	T = 374.21'	T = 64.39'	T = 88.34'	T = 115.33'
L = 1,294.94'	L = 350.25'	L = 411.85'	L = 744.67'	L = 128.28'	L = 172.48'	L = 174.77'
E = 55.54'	E = 24.33'	E = 34.04'	E = 22.95'	E = 3.44'	E = 11.83'	E = 50.97'
e = 2.4%	e = 6.0%	e = 6.0%	e = 3.8%	e = NC	e = NC	e = NC
T.R. = 33'	T.R. = 33'	T.R. = 33'	T.R. = 38'	T.R. = NA	T.R. = NA	T.R. = NA
S.E. RUN = 53'	S.E. RUN = 133'	S.E. RUN = 133'	S.E. RUN = 97'	S.E. RUN = NA	S.E. RUN = NA	S.E. RUN = NA
P.C. STA. = 120+05.76	P.C. STA. = 136+11.26	P.C. STA. = 146+19.17	P.C. STA. = 151+98.53	P.C. STA. = 2+48.47	P.C. STA. = 5+55.46	P.C. STA. = 9+43.35
P.T. STA. = 133+00.70	P.T. STA. = 139+61.52	P.T. STA. = 150+31.02	P.T. STA. = 159+43.20	P.T. STA. = 3+76.75	P.T. STA. = 7+27.94	P.T. STA. = 11+18.12

N



ALIGNMENT COORDINATE - IL ROUTE 8		
DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT 111+00.00	1,485,739.07	2,411,086.85
PC 120+05.76	1,485,785.02	2,411,991.44
PI 126+59.50	1,485,818.18	2,412,644.34
PT 133+00.70	1,485,632.33	2,413,271.12
PC 136+11.26	1,485,544.04	2,413,568.86
PI 137+90.75	1,485,493.02	2,413,740.95
PT 139+61.52	1,485,537.53	2,413,914.83
PC 146+19.17	1,485,700.61	2,414,551.95
PI 148+32.28	1,485,753.45	2,414,758.40
PT 150+31.02	1,485,673.81	2,414,956.06
PC 151+98.53	1,485,611.21	2,415,111.42
PI 155+72.74	1,485,471.36	2,415,458.51
PT 159+43.20	1,485,419.86	2,415,829.16
POT 170+19.32	1,485,271.75	2,416,895.04

ALIGNMENT COORDINATE - POWDER MILL ROAD		
DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT 1+00.00	1,485,968.77	2,413,684.89
PC 2+48.47	1,485,896.78	2,413,814.74
PI 3+12.85	1,485,865.57	2,413,871.05
PT 3+76.75	1,485,847.01	2,413,932.71
PC 5+55.46	1,485,795.49	2,414,103.83
PI 6+43.79	1,485,770.03	2,414,188.42
PT 7+27.94	1,485,791.02	2,414,274.22
PC 9+43.35	1,485,842.22	2,414,483.46
PI 10+58.68	1,485,869.62	2,414,595.49
PT 11+18.12	1,485,755.52	2,414,612.29
POT 11+60.12	1,485,713.97	2,414,618.41

0 200' 400'

FILE NAME: S:\Projects\408-0024-1B0 IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-align.dgn

LOCHMUELLER GROUP
1928 SH Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

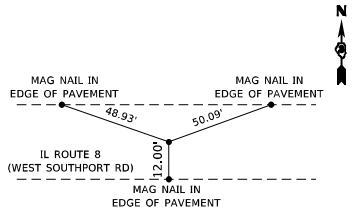
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = ATB-01	DRAWN - PDB	REVISED -	
PLOT SCALE = 400.0000' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIE POINTS & BENCHMARKS
IL ROUTE 8 AND POWDER MILL ROAD

SCALE: 1"=200' | SHEET 1 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	30
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	



TIE POINT #37
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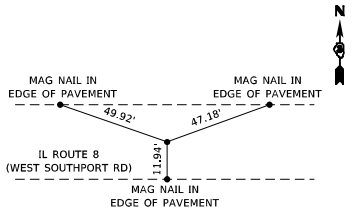
POT 111+00.00
(RELOCATED IL ROUTE 8)



TIE POINT #39
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PC 120+05.76
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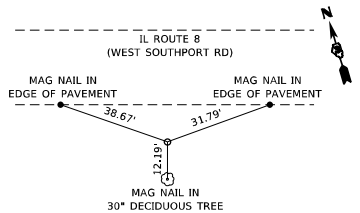

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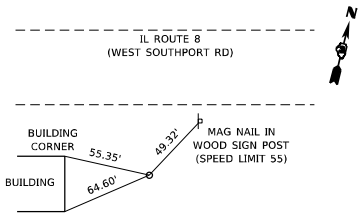
PT 133+00.70
(RELOCATED IL ROUTE 8)



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PC 146+19.17
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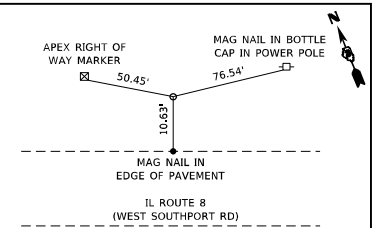

TIE POINT #911
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PT 150+31.02
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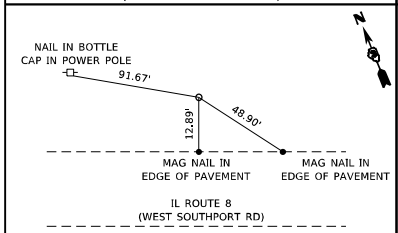

TIE POINT #912
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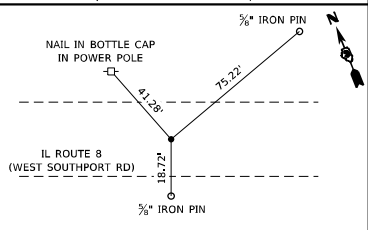
PC 151+98.53
(RELOCATED IL ROUTE 8)



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PC 159+43.20
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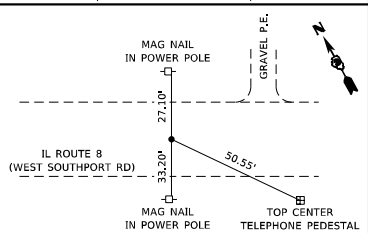

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POT 170+19.32
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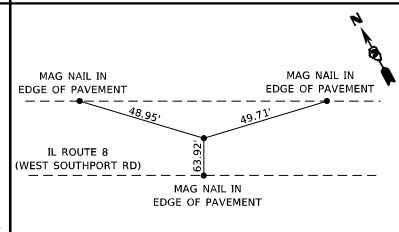

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POT 127+71.34
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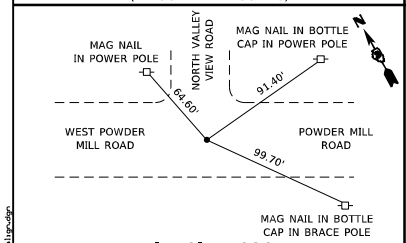

TIE POINT #921
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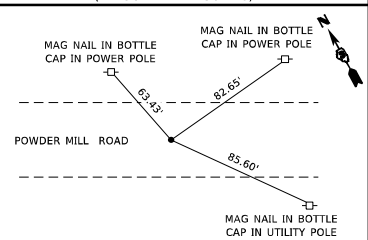
POT 1+00.00
(RELOCATED POWDER MILL ROAD)



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PC 2+48.47
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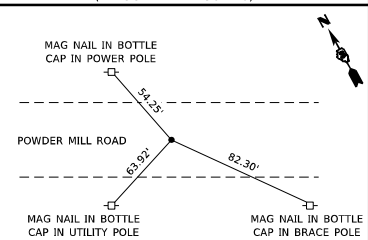

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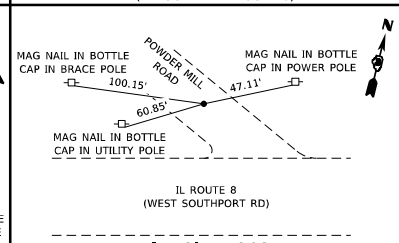
PT 3+76.75
(RELOCATED POWDER MILL ROAD)



TIE POINT #918
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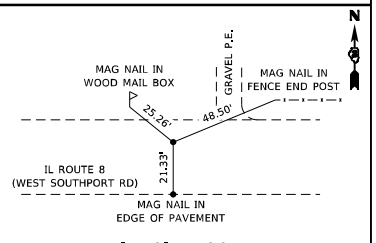
PC 5+55.46
(RELOCATED POWDER MILL ROAD)



TIE POINT #917
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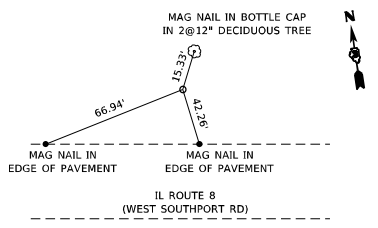
PT 7+27.94
(RELOCATED POWDER MILL ROAD)



TIE POINT #916
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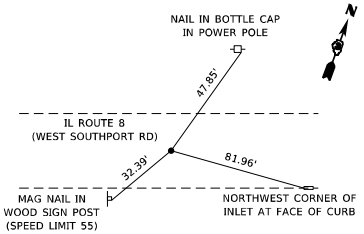
PC 9+43.35
(RELOCATED POWDER MILL ROAD)



TIE POINT #915
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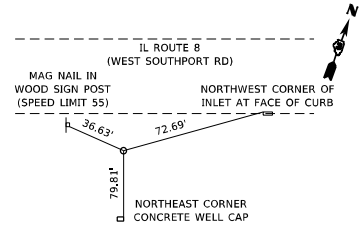
PT 11+18.12
(RELOCATED POWDER MILL ROAD)



TIE POINT #914
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POT 11+60.12
(RELOCATED POWDER MILL ROAD)

FILE NAME: S:\Projects\488-8824-IBD_IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-alignsdgn

LOCHMUELLER GROUP
1928 SW Bradley St, South Entry
Peoria, IL 61604
PHONE: 888.667.3400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = ATB402	DRAWN - PDB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TIE POINTS
IL ROUTE 8 AND POWDER MILL ROAD

SCALE: | SHEET 2 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2+1VB)BR-2	PEORIA	235	31
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	

PROPOSED IL ROUTE 8
CURVES PRIL8REV1 AND PRIL8REV2

STATION	LEFT EDGE	SLOPE %	CENTERLINE	SLOPE %	RIGHT EDGE
125+00.00	507.34	0.20	507.32	-2.20	507.05
125+04.00	507.39	0.37	507.35	-2.40	507.06
125+25.00	507.67	1.32	507.51	-2.40	507.22
125+49.00	507.93	2.40	507.64	-2.40	507.35
125+50.00	507.93	2.40	507.64	-2.40	507.35
125+75.00	508.04	2.40	507.76	-2.40	507.47
126+00.00	508.16	2.40	507.87	-2.40	507.58
FULL SUPERELEVATION					
132+25.00	513.97	2.40	513.69	-2.40	513.40
132+50.00	514.69	2.40	514.40	-2.40	514.11
132+75.00	515.44	2.40	515.15	-2.40	514.86
132+79.50	515.57	2.40	515.29	-2.40	515.00
132+99.50	516.06	1.49	515.89	-1.50	515.71
133+00.00	516.08	1.47	515.90	-1.50	515.72
133+25.00	516.69	0.33	516.65	-1.50	516.47
133+50.00	517.30	-0.80	517.40	-1.50	517.22
133+65.50	517.69	-1.50	517.87	-1.50	517.69
133+75.00	517.97	-1.50	518.15	-1.50	517.97
134+00.00	518.72	-1.50	518.90	-1.50	518.72
134+25.00	519.47	-1.50	519.65	-1.50	519.47
134+50.00	520.22	-1.50	520.40	-1.50	520.22
134+75.00	520.97	-1.50	521.15	-1.50	520.97
134+98.46	521.67	-1.50	521.85	-1.50	521.67
135+00.00	521.72	-1.50	521.90	-1.43	521.73
135+25.00	522.47	-1.50	522.65	-0.30	522.61
135+50.00	523.22	-1.50	523.40	0.83	523.50
135+64.46	523.65	-1.50	523.83	1.48	524.01
135+75.00	523.91	-1.97	524.15	1.96	524.39
136+00.00	524.53	-3.10	524.90	3.09	525.27
136+25.00	525.14	-4.22	525.65	4.22	526.16
136+50.00	525.76	-5.35	526.40	5.35	527.04
136+64.46	526.11	-6.00	526.83	6.00	527.55
136+75.00	526.43	-6.00	527.15	6.00	527.87
137+00.00	527.18	-6.00	527.90	6.00	528.62
137+25.00	527.93	-6.00	528.65	6.00	529.37
FULL SUPERELEVATION					
138+50.00	531.68	-6.00	532.40	6.00	533.12
138+75.00	532.40	-6.00	533.12	6.00	533.84
139+00.00	533.07	-6.00	533.79	6.00	534.51
139+17.63	533.51	-6.00	534.23	6.00	534.95
139+25.00	533.73	-5.67	534.41	5.67	535.09
139+50.00	534.43	-4.54	534.97	4.54	535.52
139+75.00	535.07	-3.42	535.48	3.41	535.89
140+00.00	535.66	-2.29	535.94	2.28	536.21
140+17.63	536.05	-1.50	536.23	1.48	536.40
140+25.00	536.16	-1.50	536.34	1.14	536.48
140+50.00	536.51	-1.50	536.69	0.01	536.69
140+75.00	536.80	-1.50	536.98	-1.11	536.85
140+83.63	536.89	-1.50	537.07	-1.50	536.89
141+00.00	537.04	-1.50	537.22	-1.50	537.04
141+25.00	537.23	-1.50	537.41	-1.50	537.23
141+50.00	537.36	-1.50	537.54	-1.50	537.36

PROPOSED IL ROUTE 8
CURVES PRIL8REV3 AND PRIL8REV4

STATION	LEFT EDGE	SLOPE %	CENTERLINE	SLOPE %	RIGHT EDGE
144+25.00	535.30	-1.50	535.48	-1.50	535.30
144+50.00	534.79	-1.50	534.97	-1.50	534.79
144+75.00	534.23	-1.50	534.41	-1.50	534.23
144+97.06	533.69	-1.50	533.87	-1.50	533.69
145+00.00	533.63	-1.37	533.79	-1.50	533.61
145+25.00	533.10	-0.23	533.12	-1.50	532.94
145+50.00	532.51	0.89	532.40	-1.50	532.22
145+63.06	532.19	1.48	532.01	-1.50	531.83
145+75.00	531.89	2.03	531.65	-2.03	531.41
146+00.00	531.28	3.15	530.90	-3.16	530.52
146+25.00	530.66	4.28	530.15	-4.28	529.64
146+50.00	530.05	5.41	529.40	-5.41	528.75
146+63.06	529.73	6.00	529.01	-6.00	528.29
146+75.00	529.37	6.00	528.65	-6.00	527.93
147+00.00	528.62	6.00	527.90	-6.00	527.18
147+25.00	527.87	6.00	527.15	-6.00	526.43
FULL SUPERELEVATION					
149+25.00	521.87	6.00	521.15	-6.00	520.43
149+50.00	521.12	6.00	520.40	-6.00	519.68
149+75.00	520.37	6.00	519.65	-6.00	518.93
149+80.53	520.20	6.00	519.48	-6.00	518.76
150+00.00	519.53	5.24	518.90	-5.24	518.27
150+25.00	518.66	4.26	518.15	-4.26	517.64
150+50.00	517.79	3.28	517.40	-3.28	517.01
150+75.00	516.93	2.29	516.65	-2.29	516.38
151+00.00	516.06	1.31	515.90	-1.31	515.74
151+25.00	515.19	0.33	515.15	-0.33	515.11
151+33.53	514.89	0.00	514.89	0.00	514.89
151+50.00	514.32	-0.65	514.40	0.65	514.48
151+75.00	513.46	-1.62	513.65	1.63	513.85
152+00.00	512.59	-2.60	512.90	2.60	513.21
152+25.00	511.72	-3.58	512.15	3.58	512.58
152+30.53	511.53	-3.80	511.98	3.80	512.44
152+50.00	510.94	-3.80	511.40	3.80	511.86
152+75.00	510.19	-3.80	510.65	3.80	511.11
153+00.00	509.44	-3.80	509.90	3.80	510.36
FULL SUPERELEVATION					
158+50.00	498.58	-3.80	499.03	3.80	499.49
158+75.00	498.50	-3.80	498.95	3.80	499.41
159+00.00	498.42	-3.80	498.87	3.80	499.33
159+11.20	498.38	-3.80	498.84	3.80	499.30
159+25.00	498.40	-3.26	498.80	3.26	499.19
159+50.00	498.44	-2.29	498.72	2.28	498.99
159+70.20	498.47	-1.50	498.64	1.50	498.82
159+75.00	498.45	-1.50	498.63	1.30	498.78
160+00.00	498.36	-1.50	498.54	0.32	498.58
160+25.00	498.27	-1.50	498.45	-0.65	498.37
160+49.20	498.19	-1.50	498.37	-1.60	498.18
160+50.00	498.19	-1.50	498.36	-1.60	498.17
160+63.00	498.14	-1.50	498.32	-1.60	498.13
160+70.00	498.15	-1.20	498.30	-1.60	498.10

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\D468799-sht-SE Tables.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = SE Table-01	DRAWN - PDB	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

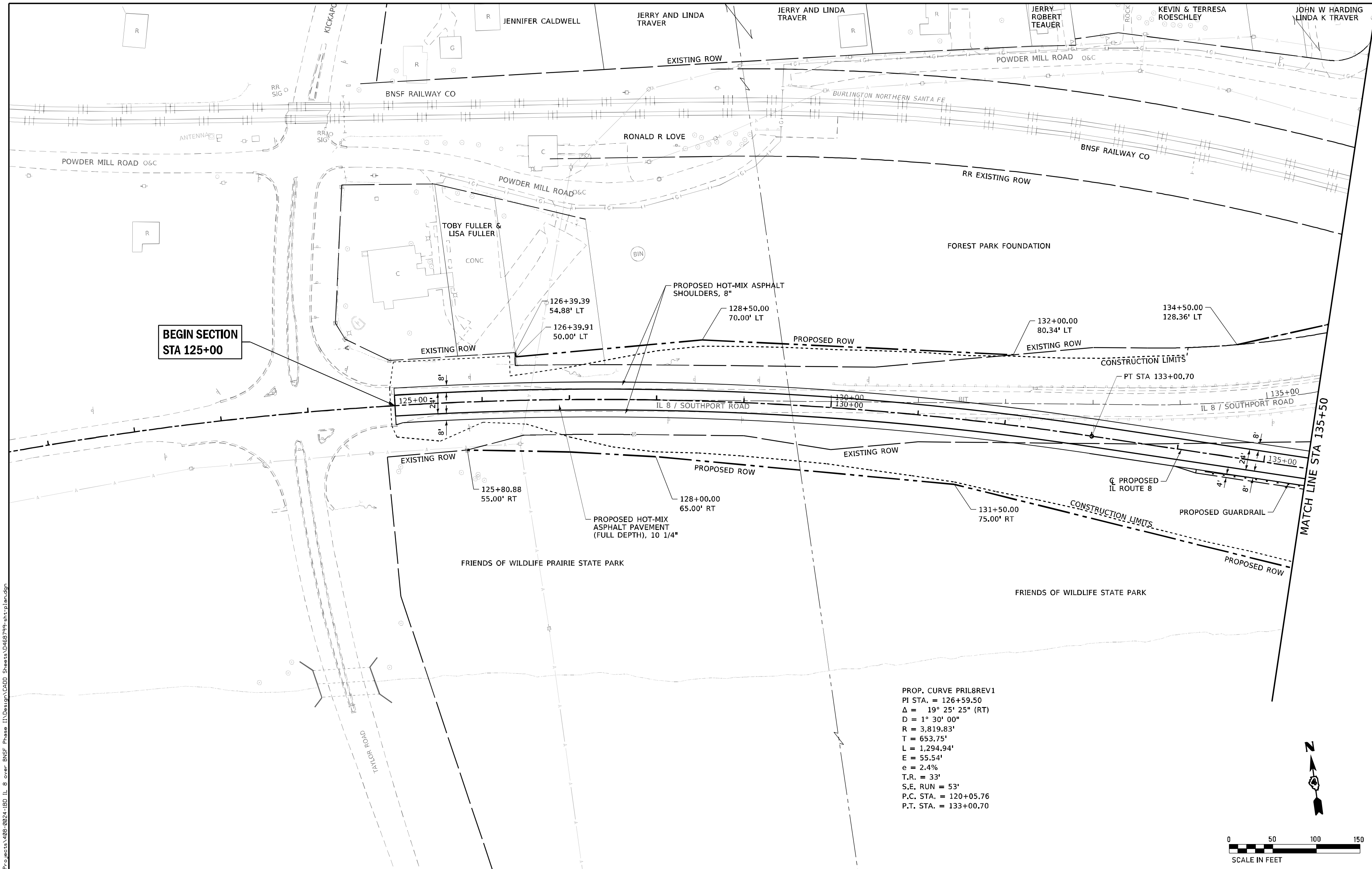
SUPERELEVATION TABLES
IL ROUTE 8

SCALE: NONE | SHEET 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	32

CONTRACT NO. 68799

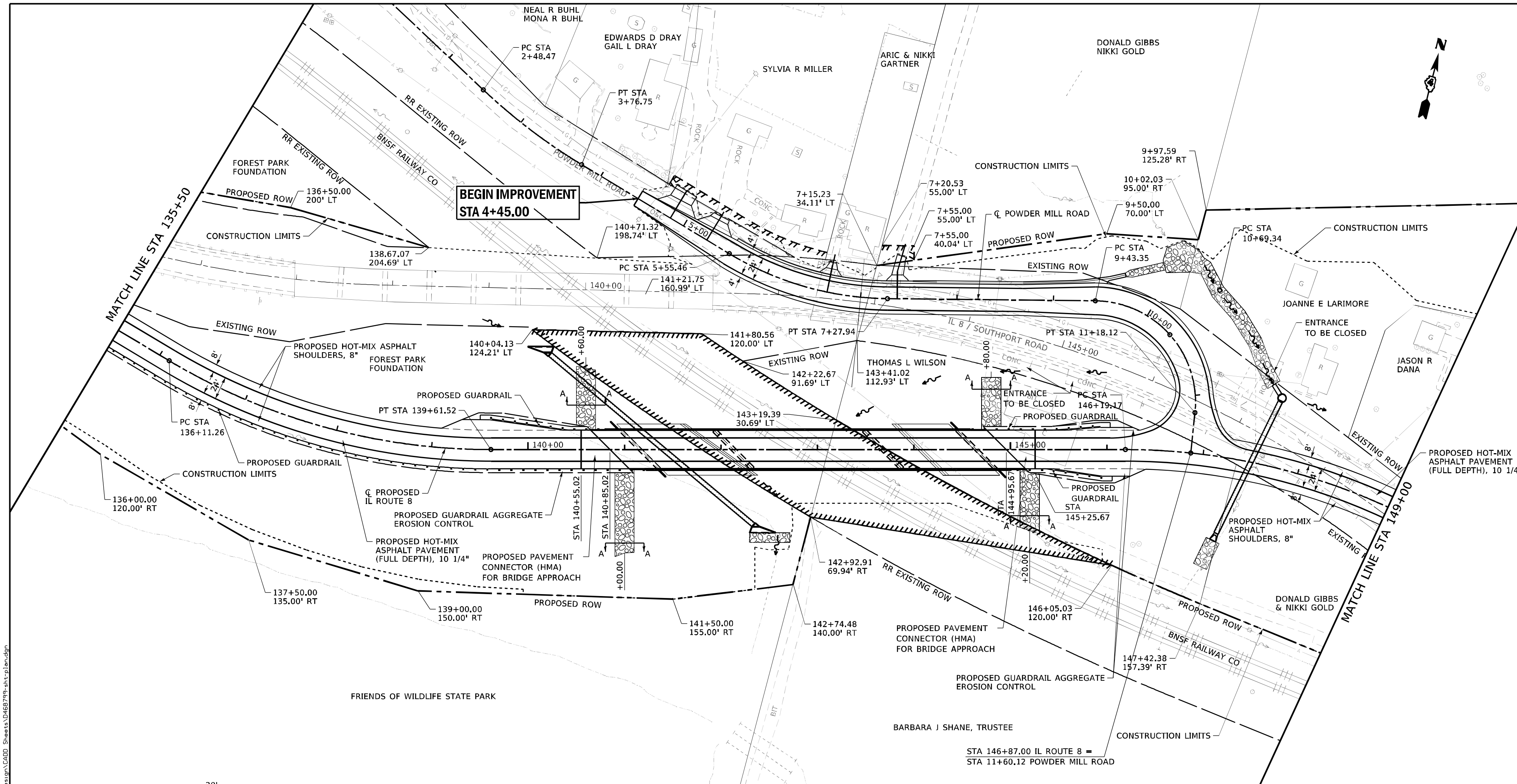
ILLINOIS | FED. AID PROJECT

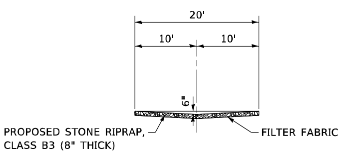


FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\04687799-sht-plan.dgn

LOCHMUELLER GROUP

USER NAME = Betsy	DESIGNED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS IL ROUTE 8	F.A.S. RTE. 1388	SECTION (Z-1VB)BR-2
MODEL NAME = 01 Plan	DRAWN - PDB	REVISED -			COUNTY PEORIA	TOTAL SHEETS 235 / SHEET NO. 33
PLOT SCALE = 100.0000 '/ in.	CHECKED - ESW	REVISED -		SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA 121+50 TO STA 135+50	CONTRACT NO. 68799	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -			ILLINOIS FED. AID PROJECT	





SECTION A-A

PROP. CURVE PRIL8REV2
PI STA. = 137+90.75
Δ = 30° 52' 26" (LT)
D = 8° 48' 53"
R = 650.00'
T = 179.49'
L = 350.25'
E = 24.33'
e = 6.0%
T.R. = 33'
S.E. RUN = 133'
P.C. STA. = 136+11.26
P.T. STA. = 139+61.52

PROP. CURVE PRIL8REV3
PI STA. = 148+32.28
Δ = 36° 18' 13" (RT)
D = 8° 48' 53"
R = 650.00'
T = 213.10'
L = 411.85'
E = 34.04'
e = 6.0%
T.R. = 33'
S.E. RUN = 133'
P.C. STA. = 146+19.17
P.T. STA. = 150+31.02

NOTE: SEE GUARDRAIL DETAIL SHEETS
FOR ADDITIONAL DETAILS

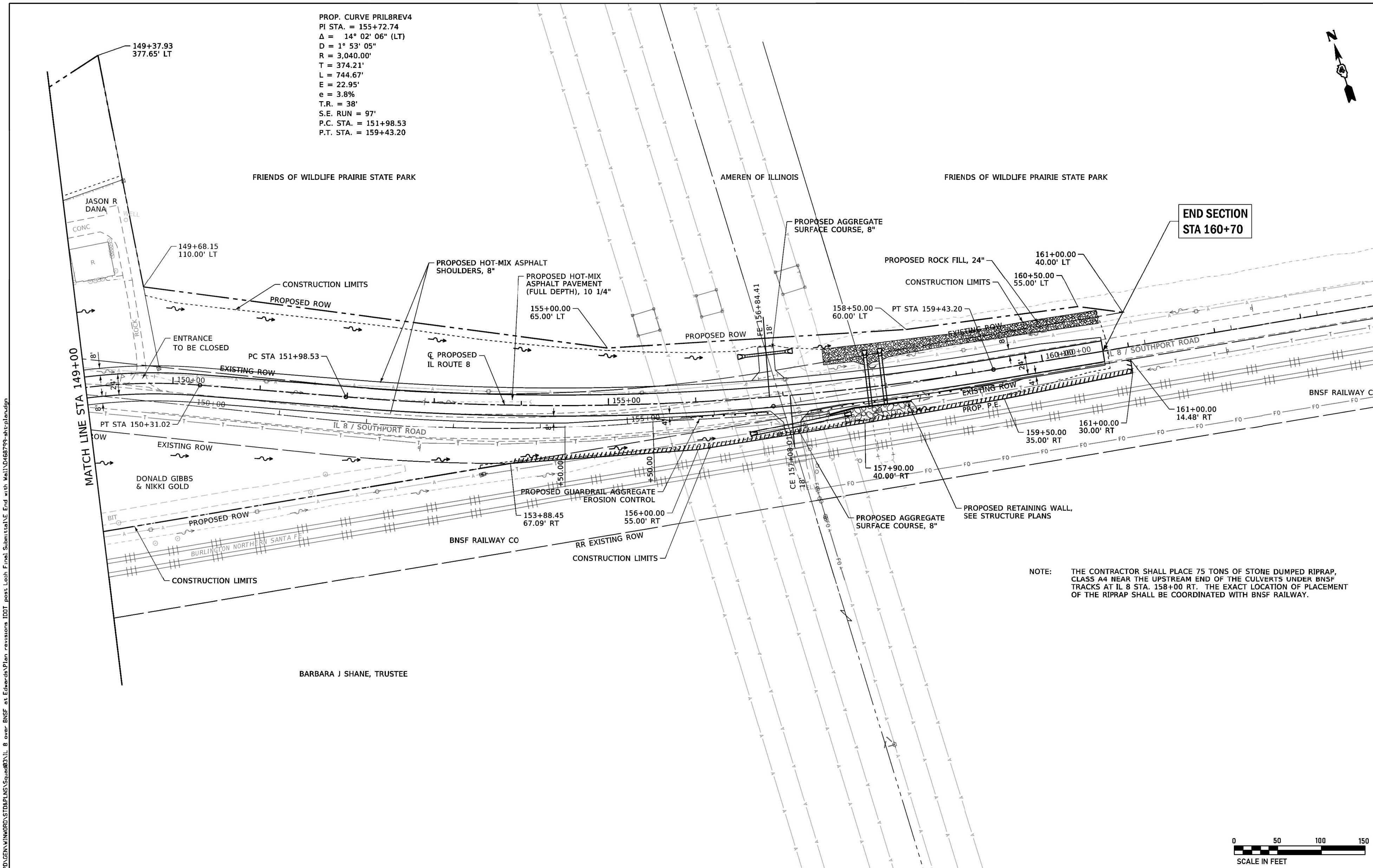
0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-plan.dgn

LOCHMUELLER GROUP

USER NAME = Betsy	DESIGNED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS IL ROUTE 8	
MODEL NAME = 02 Plan	DRAWN - PDB	REVISED -			
PLOT SCALE = 100.0000 '/ in.	CHECKED - ESW	REVISED -			
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -		SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA 135+50 TO STA 149+00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	34
CONTRACT NO. 68799				
ILLINOIS	FED. AID PROJECT			



NOTE: THE CONTRACTOR SHALL PLACE 75 TONS OF STONE DUMPED RIPRAP, CLASS A4 NEAR THE UPSTREAM END OF THE CULVERTS UNDER BNSF TRACKS AT IL 8 STA. 158+00 RT. THE EXACT LOCATION OF PLACEMENT OF THE RIPRAP SHALL BE COORDINATED WITH BNSF RAILWAY.

FILE NAME: Q:\PD\GEN\WINWORD\STD&PLNS\Squad03\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-plan.dgn

LOCHMUELLER GROUP

USER NAME = horstkj	DESIGNED - JLS	REVISED - KH (IDOT) 05/06/21
MODEL NAME = 03 Plan	DRAWN - PDB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -
PLOT DATE = 5/7/2021	DATE - 01-17-18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

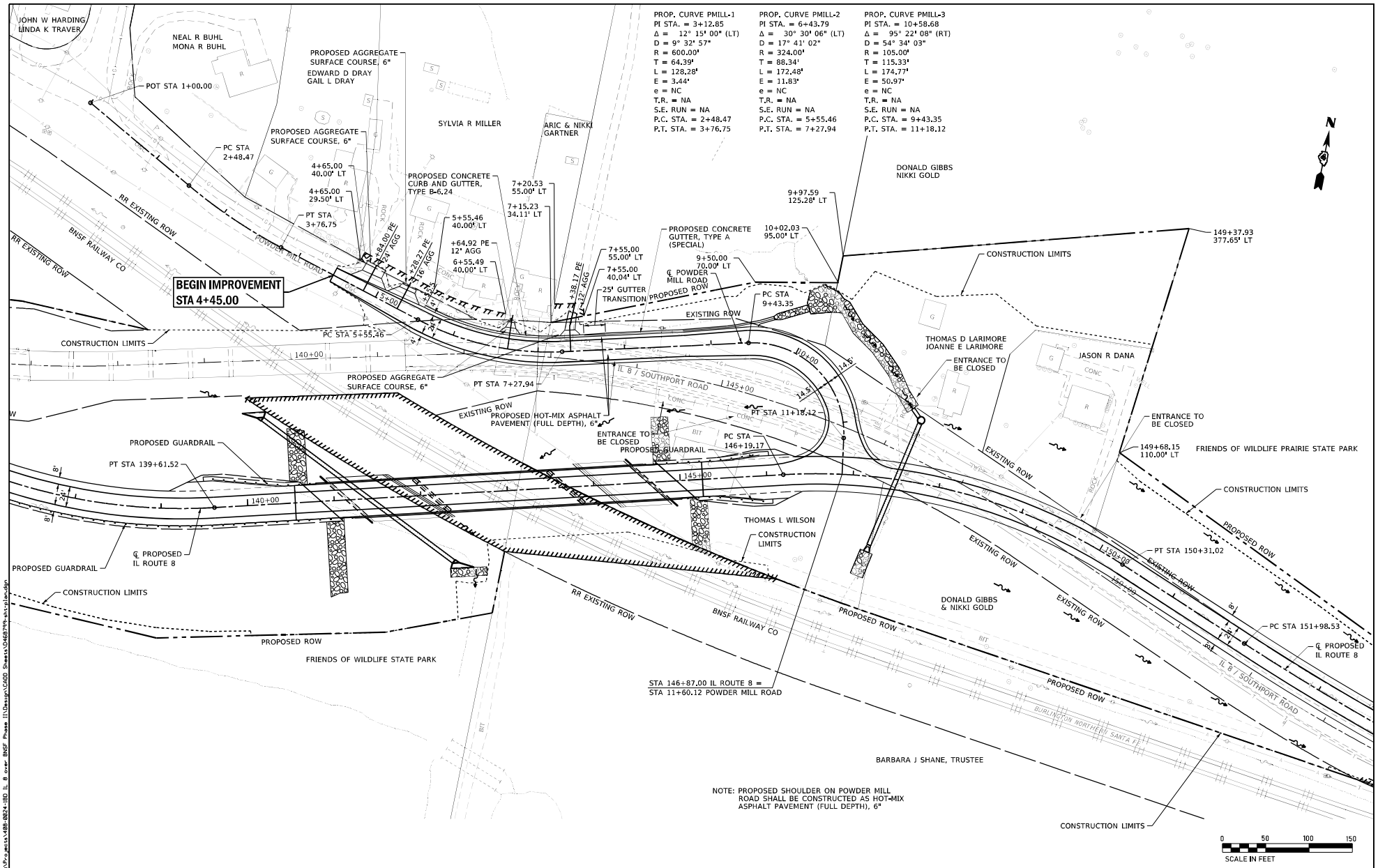
PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA 149+00 TO STA 163+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	35

CONTRACT NO. 68799

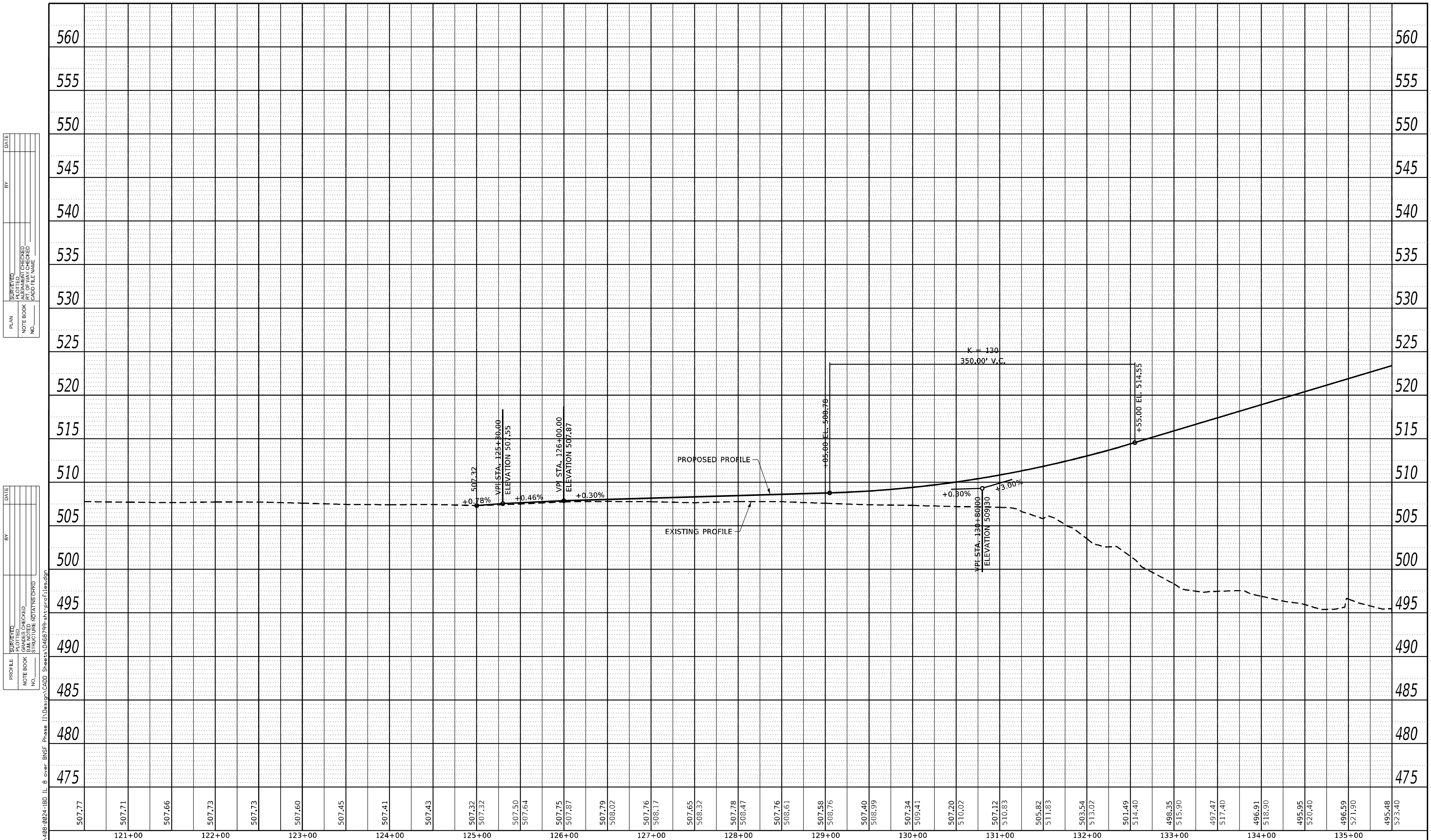
ILLINOIS FED. AID PROJECT



FILE NAME: S:\Projects\488-8824-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-planview

LOCHMUELLER GROUP	USER NAME = Betsy	DESIGNED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS POWDER MILL ROAD
	MODEL NAME = 04 Plan	DRAWN - PDB	REVISED -		SCALE: 1"=50' | SHEET 4 OF 4 SHEETS | STA 4+35 TO STA 11+53.88
	PLOT SCALE = 100.0000 ' / In.	CHECKED - ESW	REVISED -		
	PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2+1VB)BR-2	PEORIA	235	36
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	



LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 01 Prof	DRAWN - LEC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

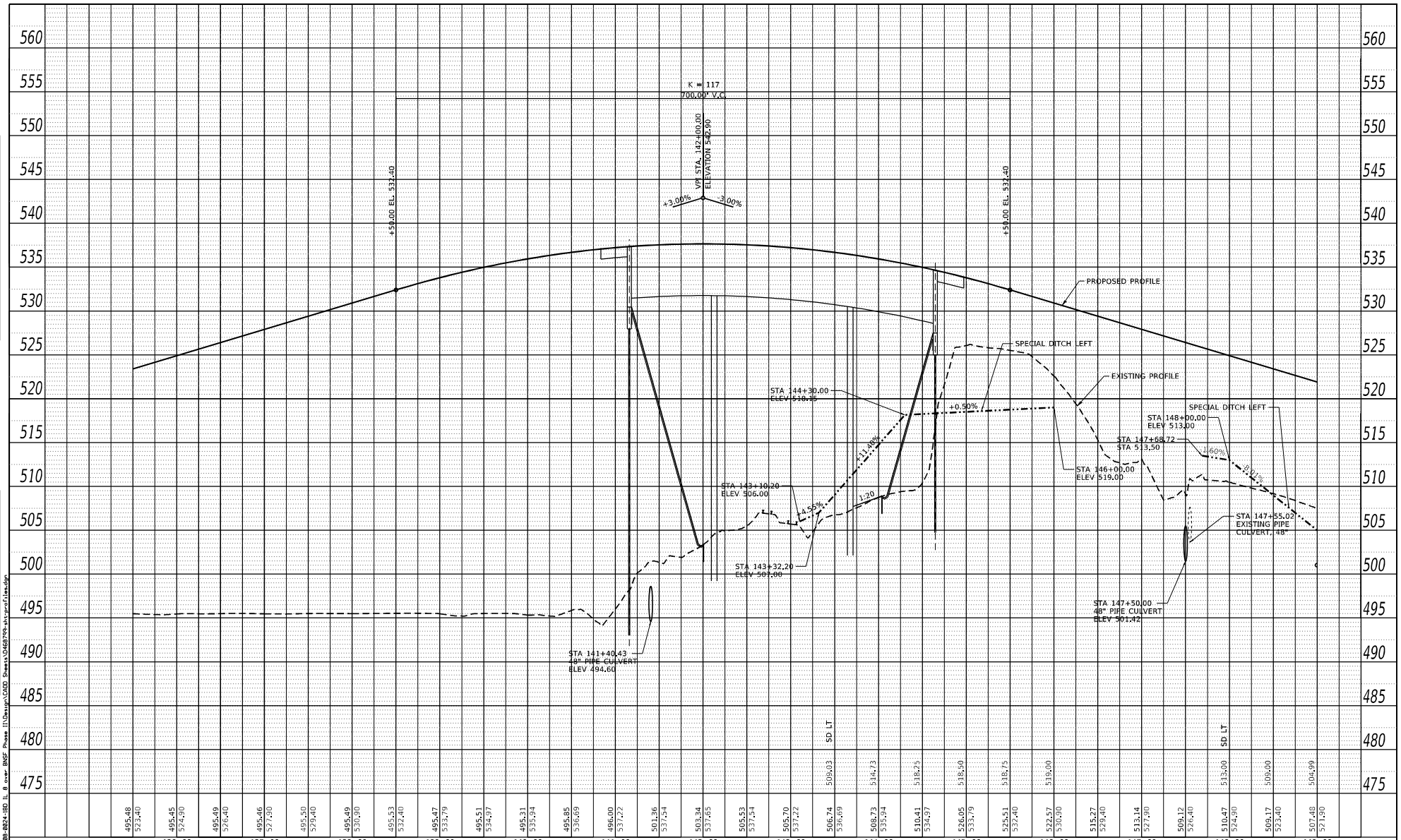
PROFILE SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 1 OF 4 SHEETS | STA 121+50 TO STA 135+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	37

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT



PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
PROFILE CHECKED
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
STRUCTURE (ROUTINE)
STRUCTURE
NOTE BOOK
NO.
BY
DATE

FILE NAME: S:\Projects\408-8824-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468279-sht-profiles.dgn

LOCHMUELLER GROUP
1936 N. Bradley P. Smith Drive
Troy, IL 62294
PHONE 618.667.3100

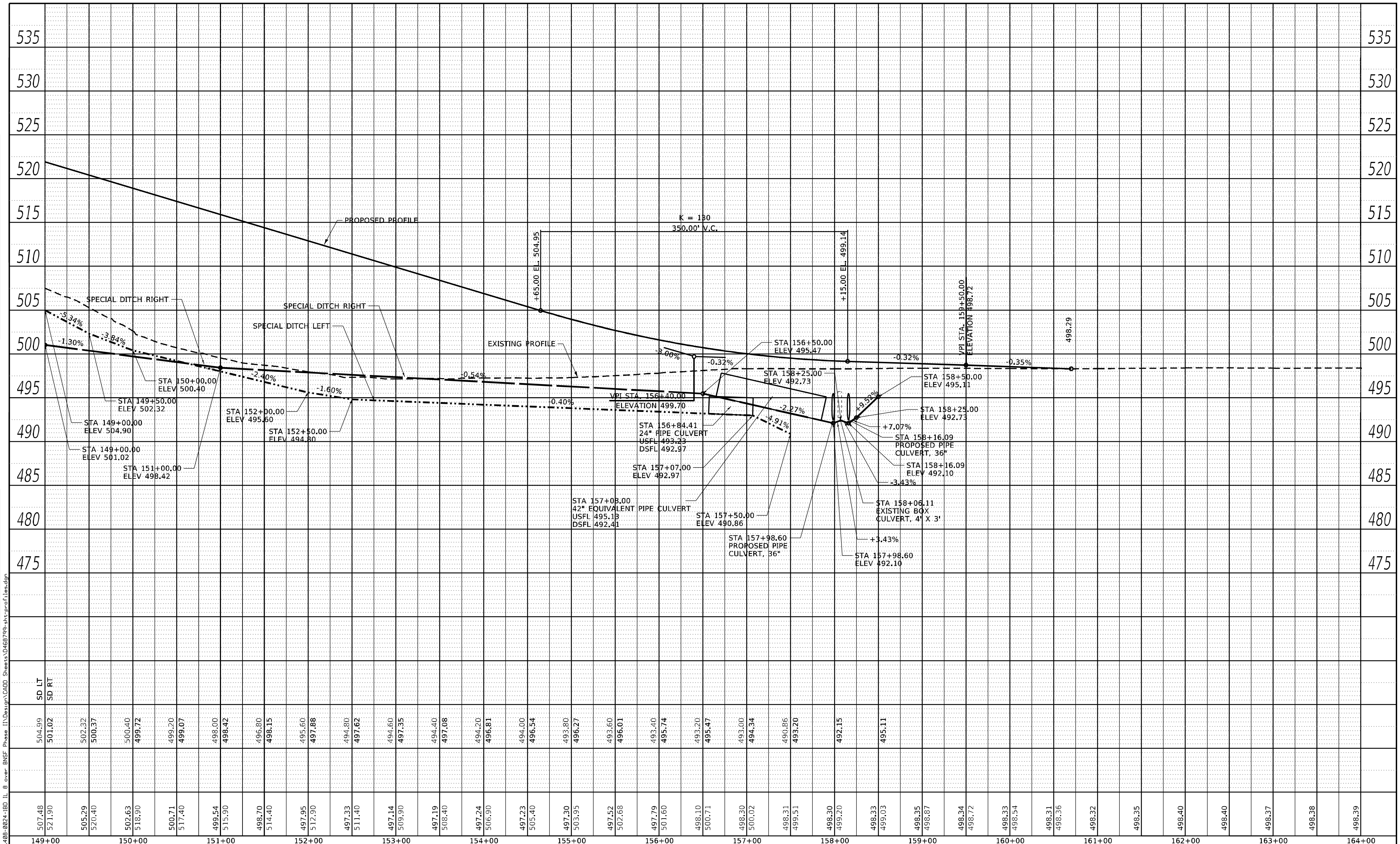
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 02 Prof	DRAWN - LEC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROFILE SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 2 OF 4 SHEETS | STA 135+50 TO STA 149+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	38
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	



PLAN	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
R/T OF WAY CHECKED		
CADD FILE NAME		

PROFILE	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATIONS CHK'D		

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase I\Design\CADD Sheets\0468799-sht-profiles.dgn

LOCHMUELLER GROUP

USER NAME = Betsy	DESIGNED - JLS	REVISED -
MODEL NAME = 03 Prof	DRAWN - LEC	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -
PLOT DATE = 8/22/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

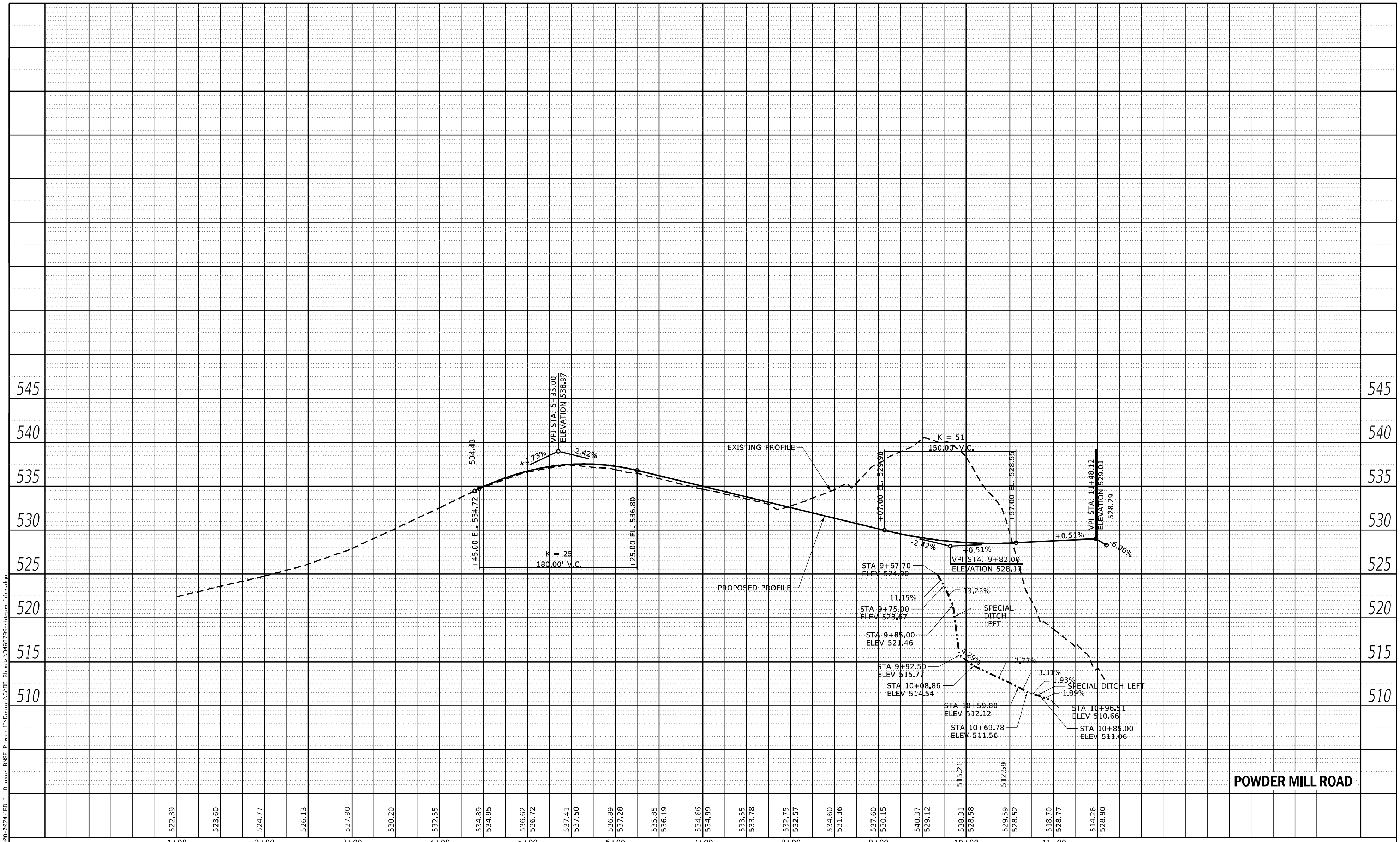
PROFILE SHEETS
IL ROUTE 8

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA 149+00 TO STA 163+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	39

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT



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

PROFILE			BY	DATE
NOTE BOOK	SURVEYED			
NO.	PLOTTED			
	GRADES CHECKED			
	B.M. NOTED			
	STRUCTURE NOTATIONS CHKD			

FILE NAME: S:\Projects\408-0024-1BO IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-profiles.dgn

LOCHMUELLER GROUP
1928 S.W. Bradley P. Smith Drive
Troy, IL 62294
PHONE: 618.667.3400

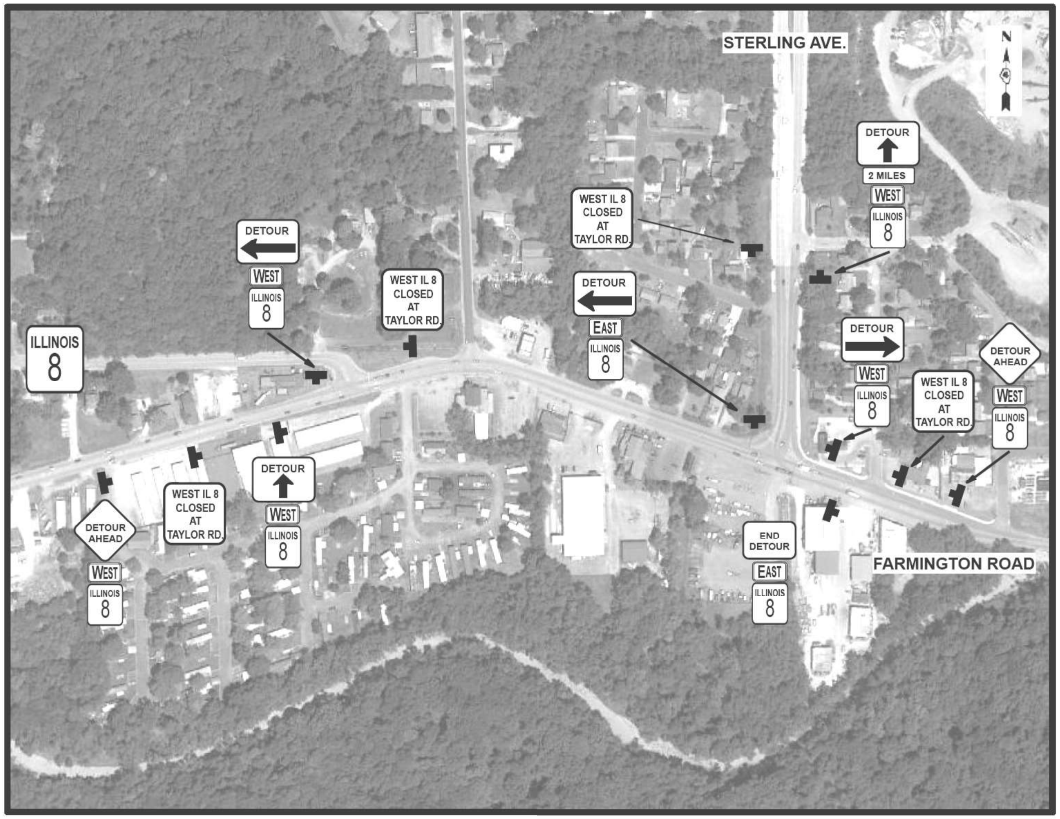
USER NAME = Betsy	DESIGNED - JLS	REVISED -
MODEL NAME = 04 Prof	DRAWN - LEC	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -
PLOT DATE = 8/22/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROFILE SHEETS
POWDER MILL ROAD

SCALE: 1"=50' SHEET 4 OF 4 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	40
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



GENERAL NOTES FOR DETOUR:

BLR 21-9 SHALL BE USED IN ADVANCE OF THE ROAD CLOSURE ON THE EAST END OF THE WESTBOUND APPROACH.

IL 8 SIGNS AND CARDINAL DIRECTION SHALL BE BLACK ON WHITE AND SIZE SHALL BE PER MUTCD FOR CONVENTIONAL ROADS.

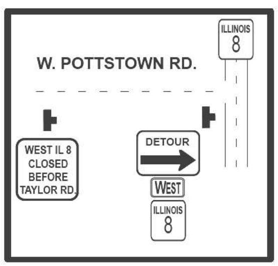
DETOUR SIGNS WITH ARROWS SHALL SIZED BE PER MUTCD FOR CONVENTIONAL ROADS WHEN PLACED ON SUCH ROADS. SIGNS ON THE INTERSTATE SHALL BE SIZED AS PER THE MUTCD FOR INTERSTATE ROADS. (INTERSTATE SIGNS ARE OVERSIZED.)

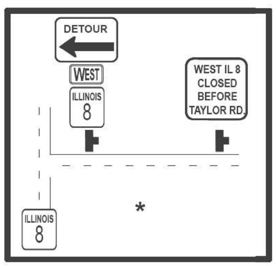
ALL SIGNS SHALL BE POST MOUNTED WHERE LOCATIONS ALLOW. THE RESIDENT ENGINEER SHALL APPROVE ANY STAND MOUNTED SIGN LOCATIONS WHERE POST MOUNTING IS NOT POSSIBLE.

ANY CONFLICTING IL 8 SIGNAGE SHALL BE COVERED OR REMOVED AS NECESSARY.

"DETOUR AHEAD" SIGNS SHALL HAVE A FLASHING LIGHT ATTACHED.

TYPICAL SIGN SIZE-BLACK ON ORANGE- 48 X 48 : WEST IL 8 CLOSED AT TAYLOR RD.





*= HEINZ LANE
N. KOERNER ROAD
RICHWOODS BLVD.
RESEVOIR BLVD.
KINGS CT.

FILE NAME: S:\Projects\408-0024-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468799-sht-Detour Signing.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = DTL-01	DRAWN - PDB	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

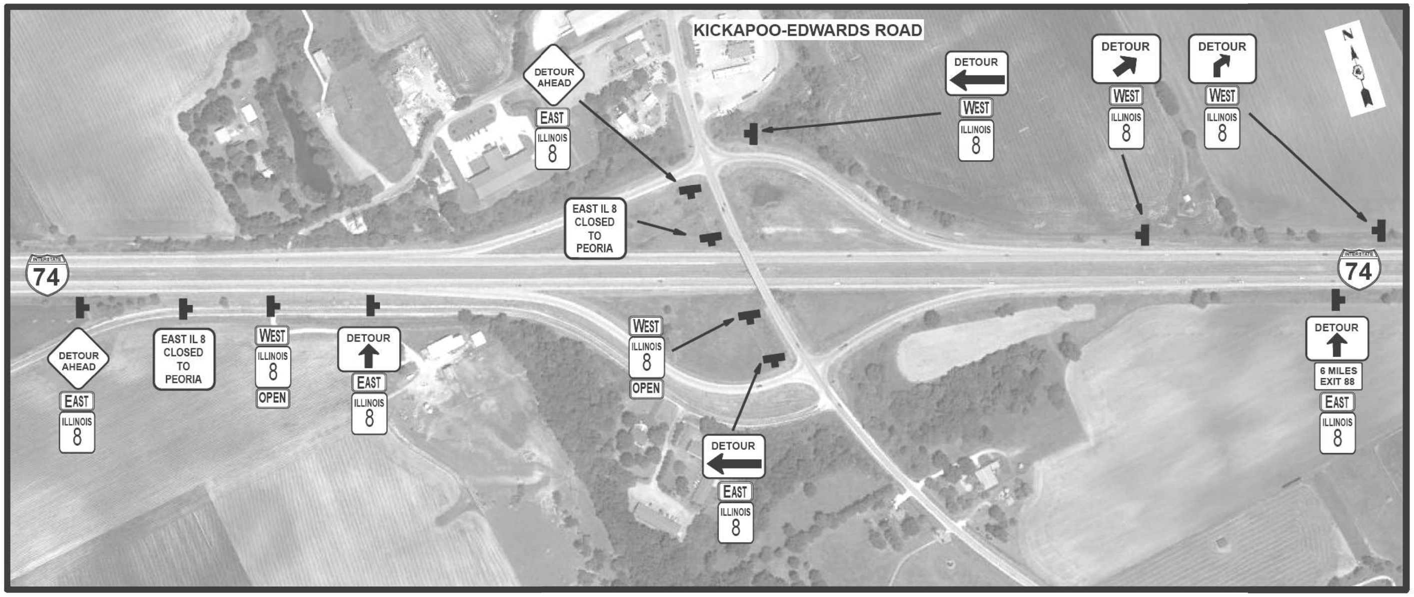
DETOUR SIGNING PLAN SHEETS
IL ROUTE 8

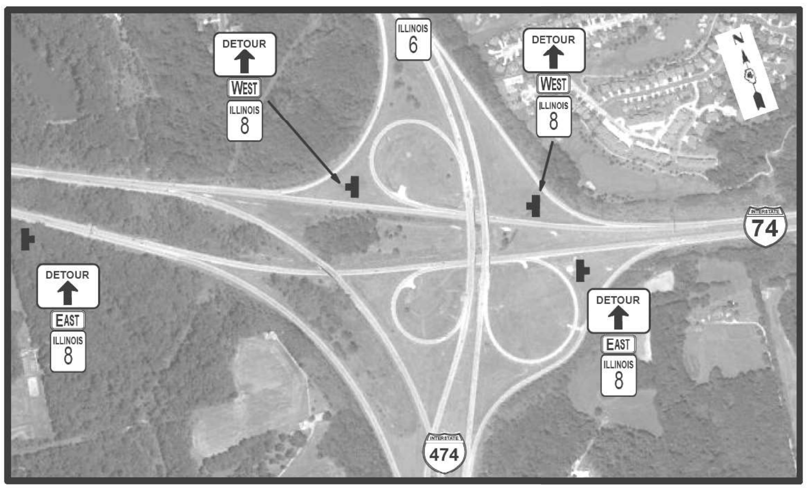
SCALE: NONE | SHEET 1 OF 3 SHEETS

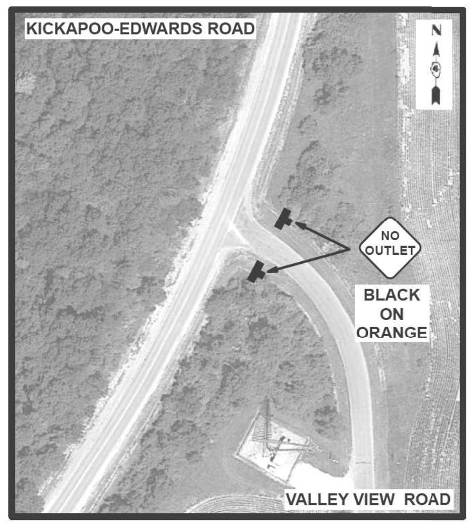
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	41

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT







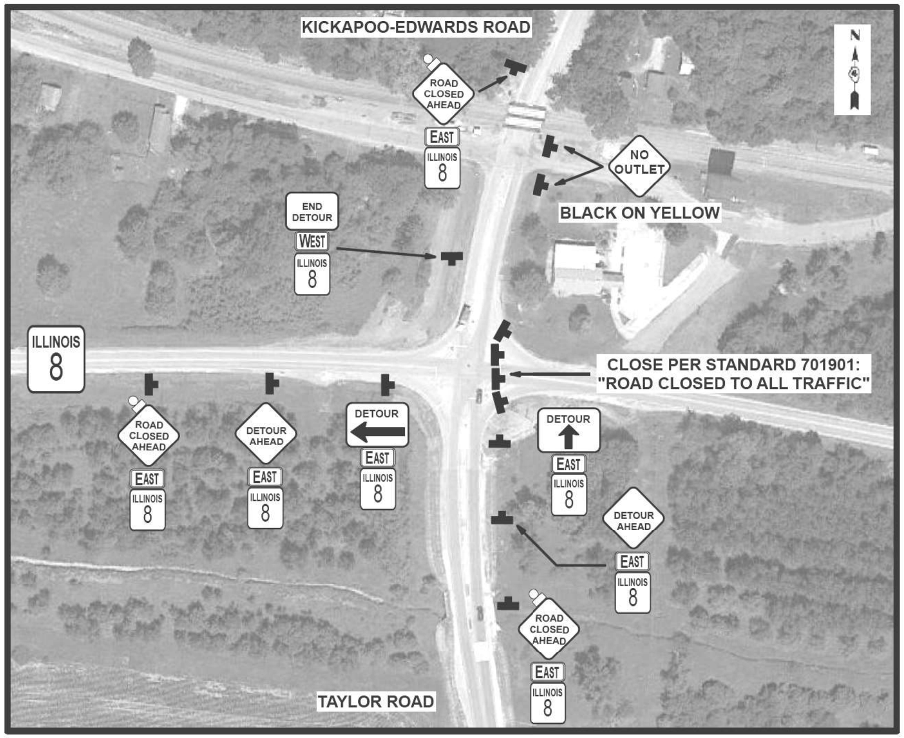
FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\D468799-sht-Detour Signing.dgn

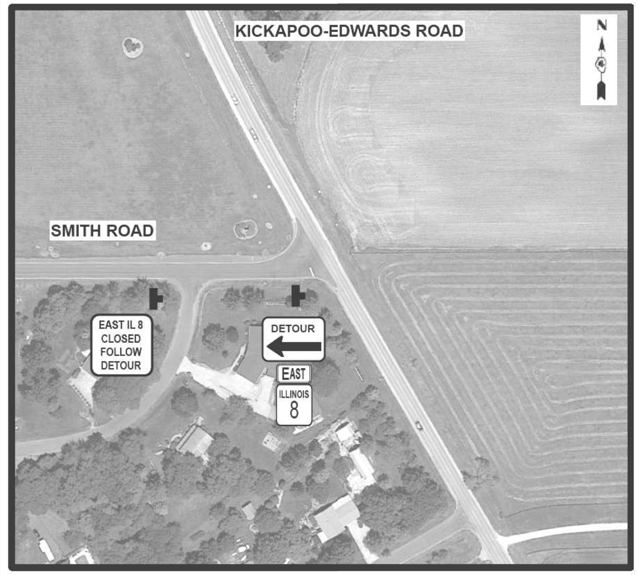
LOCHMUELLER GROUP 1928 Srk Bradley R. Smith Drive Troy, IL 62294 PHONE: 618.667.1400	USER NAME = Betsy	DESIGNED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	MODEL NAME = DTL-02	DRAWN - PDB	REVISED -	
	PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -	
	PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

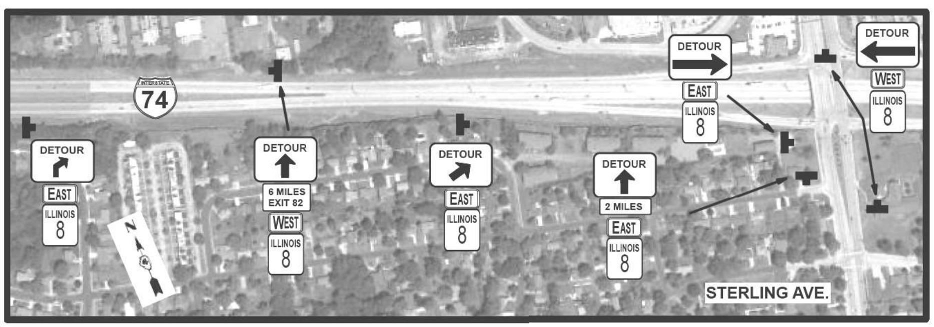
DETOUR SIGNING PLAN SHEETS
IL ROUTE 8

SCALE: NONE | SHEET 2 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	42
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		







FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\D468799-sht-Detour Signing.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

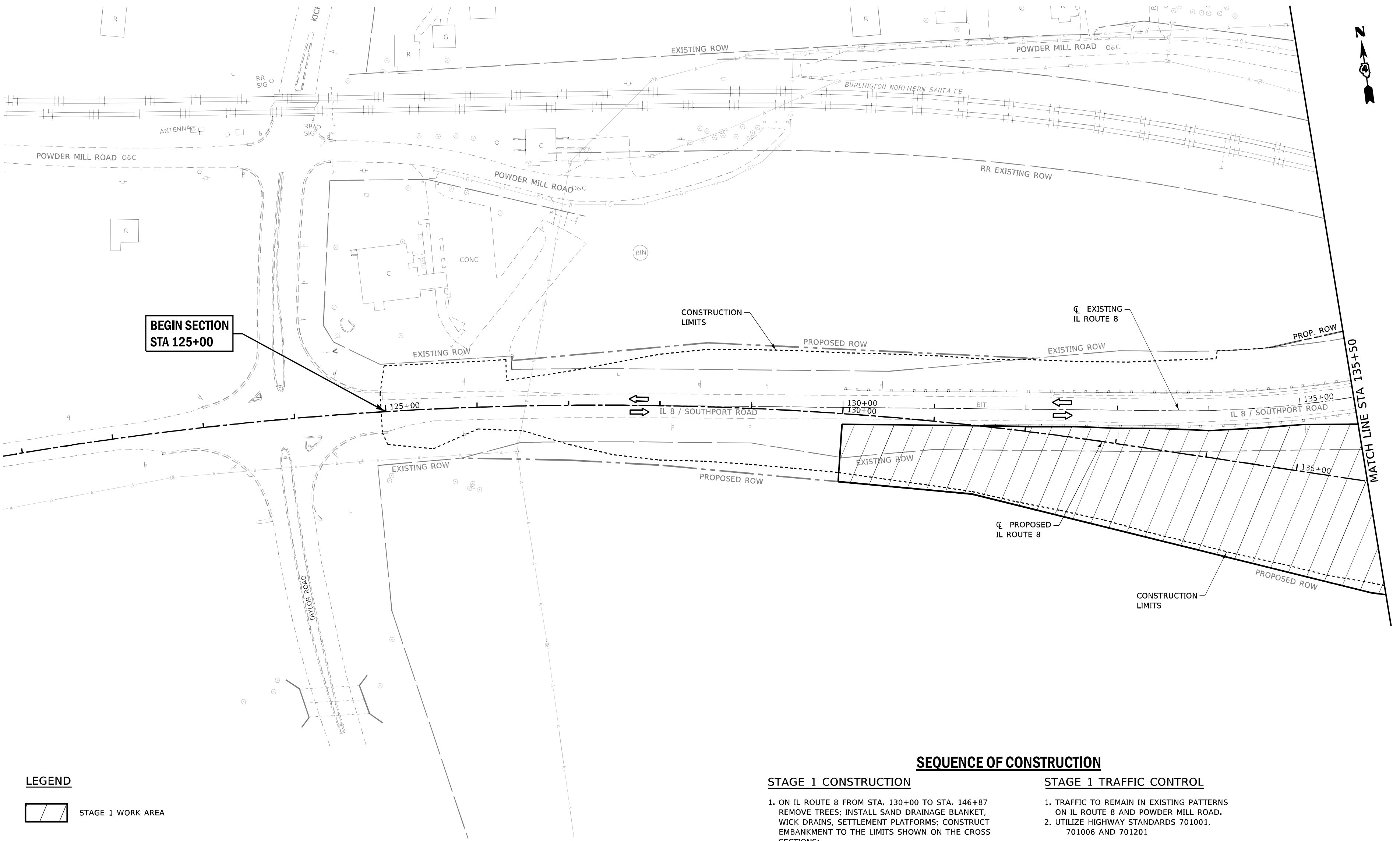
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = DTL-03	DRAWN - PDB	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING PLAN SHEETS
IL ROUTE 8

SCALE: NONE | SHEET 3 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	43
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



SEQUENCE OF CONSTRUCTION

STAGE 1 CONSTRUCTION

1. ON IL ROUTE 8 FROM STA. 130+00 TO STA. 146+87 REMOVE TREES; INSTALL SAND DRAINAGE BLANKET, WICK DRAINS, SETTLEMENT PLATFORMS; CONSTRUCT EMBANKMENT TO THE LIMITS SHOWN ON THE CROSS SECTIONS;
2. BEGIN BRIDGE CONSTRUCTION.

STAGE 1 TRAFFIC CONTROL

1. TRAFFIC TO REMAIN IN EXISTING PATTERNS ON IL ROUTE 8 AND POWDER MILL ROAD.
2. UTILIZE HIGHWAY STANDARDS 701001, 701006 AND 701201

LEGEND

STAGE 1 WORK AREA

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Staging 1.dgn

LOCHMUELLER GROUP
1928 SM Bradley B. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 01 Stage 1	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

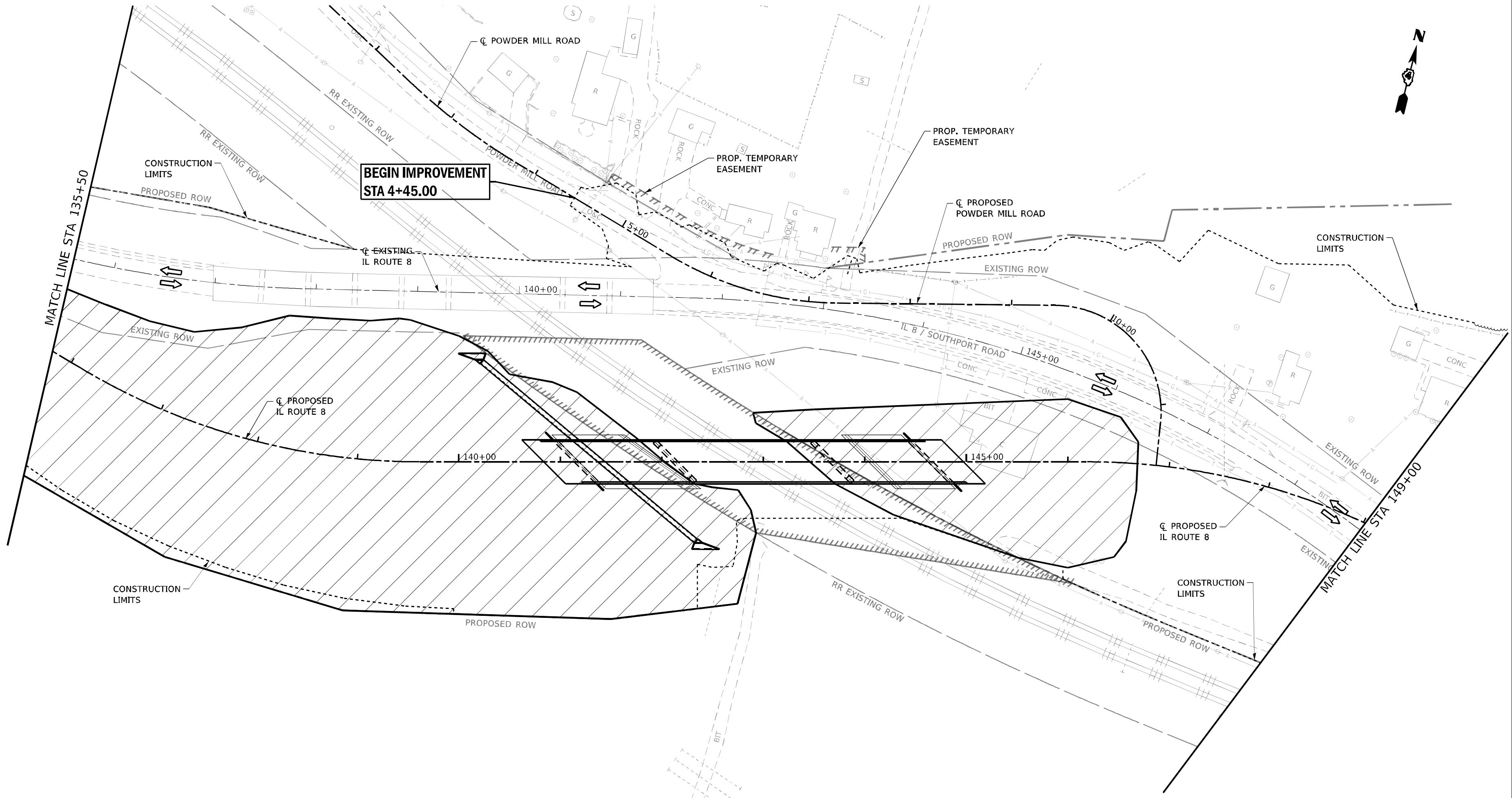
MAINTENANCE OF TRAFFIC - STAGE 1 PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' SHEET 1 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	44

CONTRACT NO. 68799

ILLINOIS FED. AID PROJECT



LEGEND

STAGE 1 WORK AREA

SEQUENCE OF CONSTRUCTION

STAGE 1 CONSTRUCTION

1. ON IL ROUTE 8 FROM STA. 130+00 TO STA. 146+87 REMOVE TREES; INSTALL SAND DRAINAGE BLANKET, WICK DRAINS, SETTLEMENT PLATFORMS; CONSTRUCT EMBANKMENT TO THE LIMITS SHOWN ON THE CROSS SECTIONS;
2. BEGIN BRIDGE CONSTRUCTION.

STAGE 1 TRAFFIC CONTROL

1. TRAFFIC TO REMAIN IN EXISTING PATTERNS ON IL ROUTE 8 AND POWDER MILL ROAD.
2. UTILIZE HIGHWAY STANDARDS 701001, 701006 AND 701201

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Staging 1.dgn

LOCHMUELLER GROUP

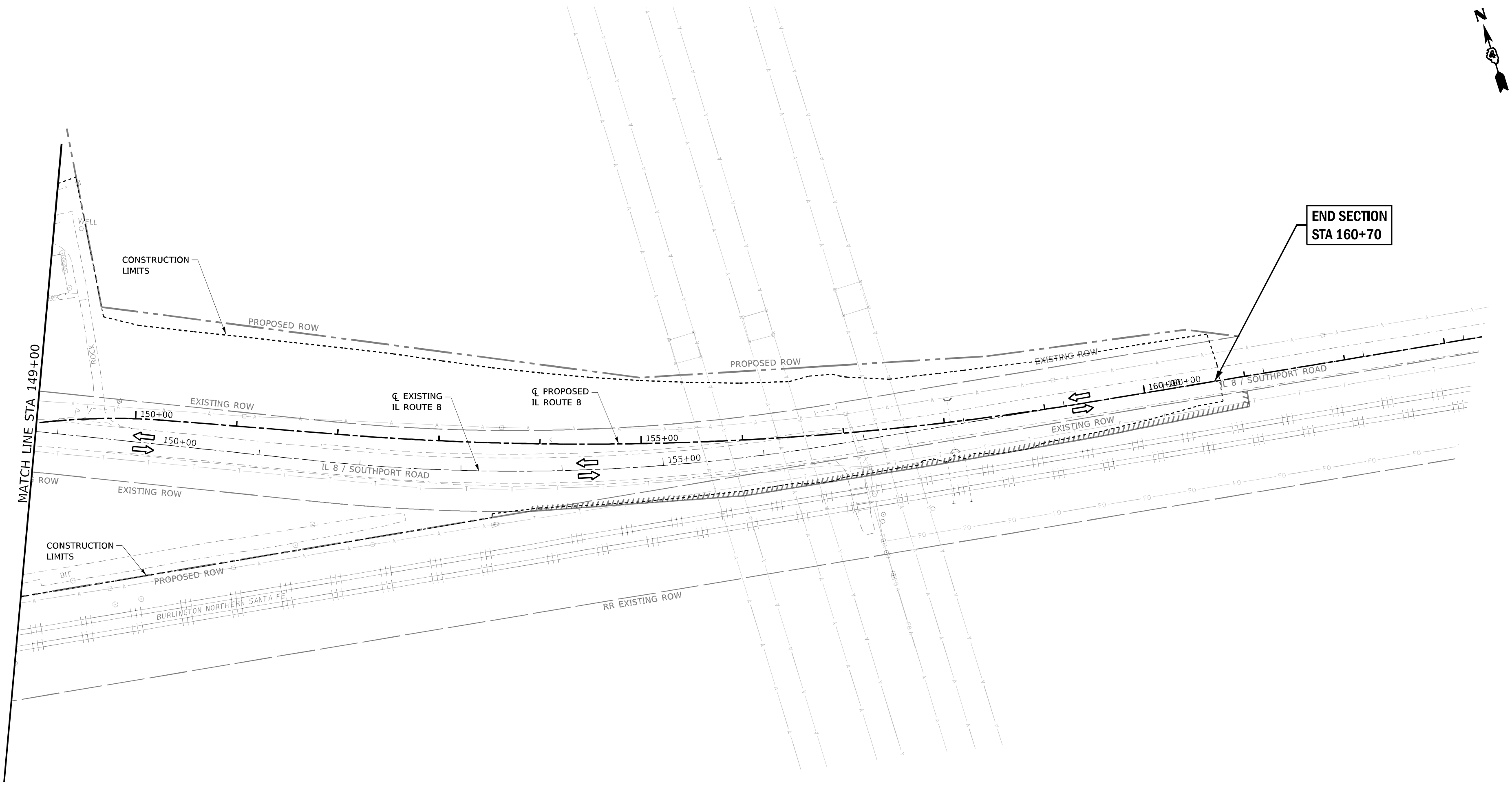
USER NAME = Betsy	DESIGNED - JLS	REVISED -
MODEL NAME = 02 Stage 1	DRAWN - PDB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 1 PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' SHEET 2 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	45
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		



SEQUENCE OF CONSTRUCTION

STAGE 1 CONSTRUCTION

1. ON IL ROUTE 8 FROM STA. 130+00 TO STA. 146+87 REMOVE TREES; INSTALL SAND DRAINAGE BLANKET, WICK DRAINS, SETTLEMENT PLATFORMS; CONSTRUCT EMBANKMENT TO THE LIMITS SHOWN ON THE CROSS SECTIONS;
2. BEGIN BRIDGE CONSTRUCTION.

STAGE 1 TRAFFIC CONTROL

1. TRAFFIC TO REMAIN IN EXISTING PATTERNS ON IL ROUTE 8 AND POWDER MILL ROAD.
2. UTILIZE HIGHWAY STANDARDS 701001, 701006 AND 701201

LEGEND

STAGE 1 WORK AREA

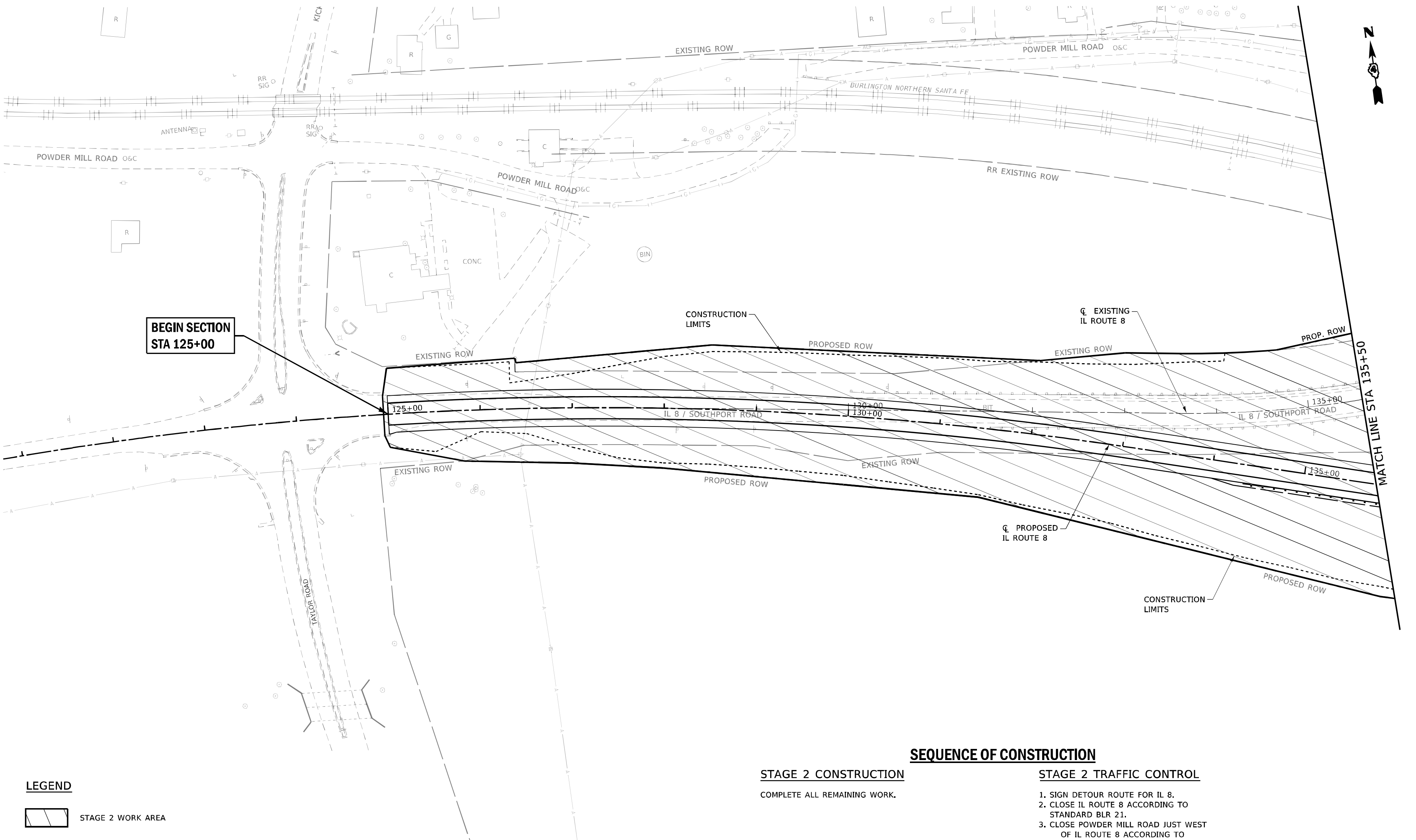
0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\400-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Staging 1.dgn

LOCHMUELLER GROUP

USER NAME = Betsy	DESIGNED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE 1 PLAN SHEETS IL ROUTE 8
MODEL NAME = 03 Stage 1	DRAWN - PDB	REVISED -		
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -		SCALE: 1"=50' SHEET 3 OF 3 SHEETS
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	46
		CONTRACT NO. 68799		
	ILLINOIS FED. AID PROJECT			



SEQUENCE OF CONSTRUCTION

STAGE 2 CONSTRUCTION

COMPLETE ALL REMAINING WORK.

STAGE 2 TRAFFIC CONTROL

1. SIGN DETOUR ROUTE FOR IL 8.
2. CLOSE IL ROUTE 8 ACCORDING TO STANDARD BLR 21.
3. CLOSE POWDER MILL ROAD JUST WEST OF IL ROUTE 8 ACCORDING TO STANDARD BLR 22.

LEGEND

STAGE 2 WORK AREA

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Staging II.dgn

LOCHMUELLER GROUP
1928 SAA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

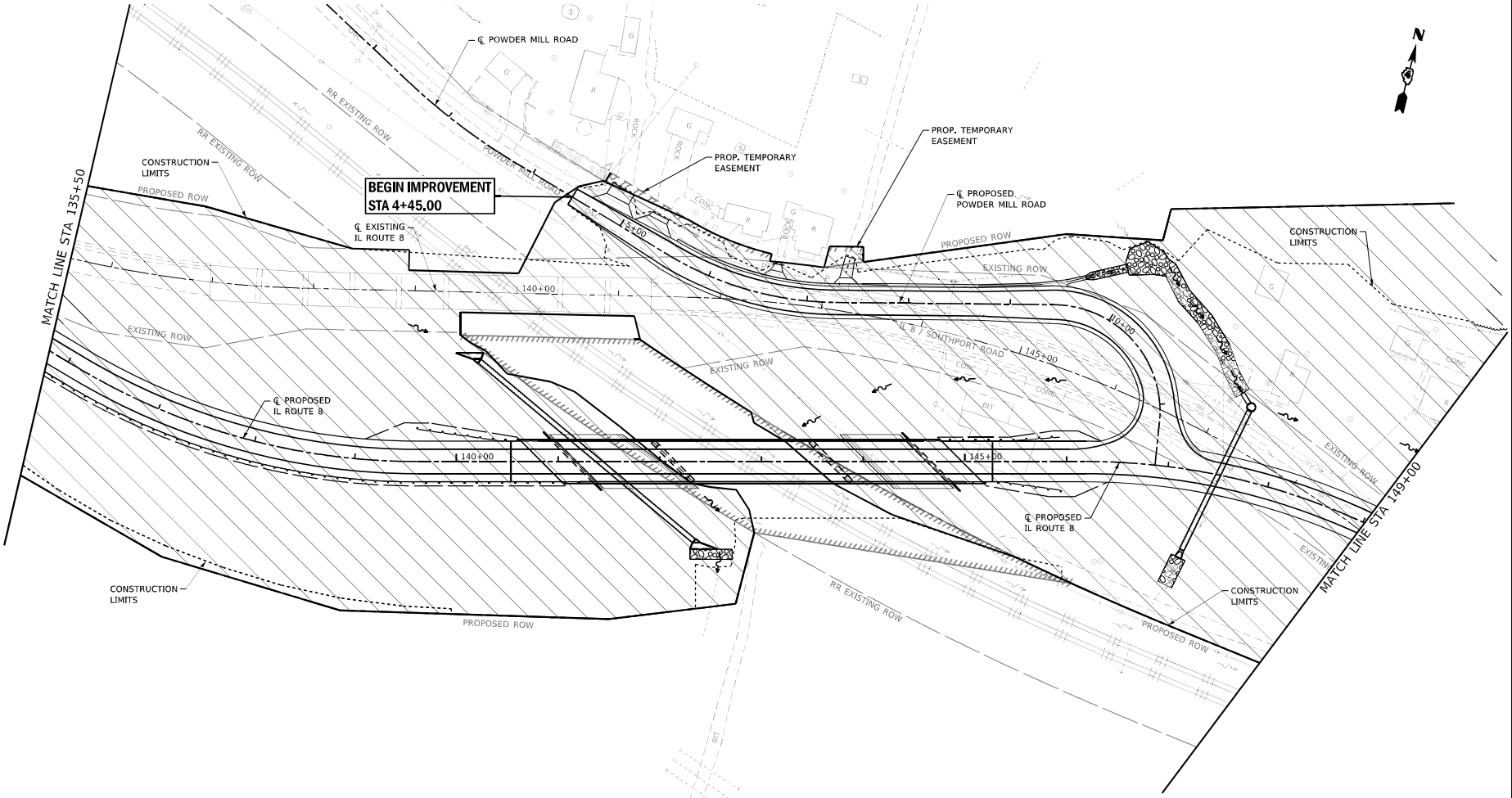
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 01 Stage 2	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 2 PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' SHEET 1 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	47
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		



LEGEND

STAGE 2 WORK AREA

SEQUENCE OF CONSTRUCTION

STAGE 2 CONSTRUCTION

COMPLETE ALL REMAINING WORK.

STAGE 2 TRAFFIC CONTROL

1. SIGN DETOUR ROUTE FOR IL 8.
2. CLOSE IL ROUTE 8 ACCORDING TO STANDARD BLR 21.
3. CLOSE POWDER MILL ROAD JUST WEST OF IL ROUTE 8 ACCORDING TO STANDARD BLR 22.

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\488-8824-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-Staging.dgn

LOCHMUELLER GROUP

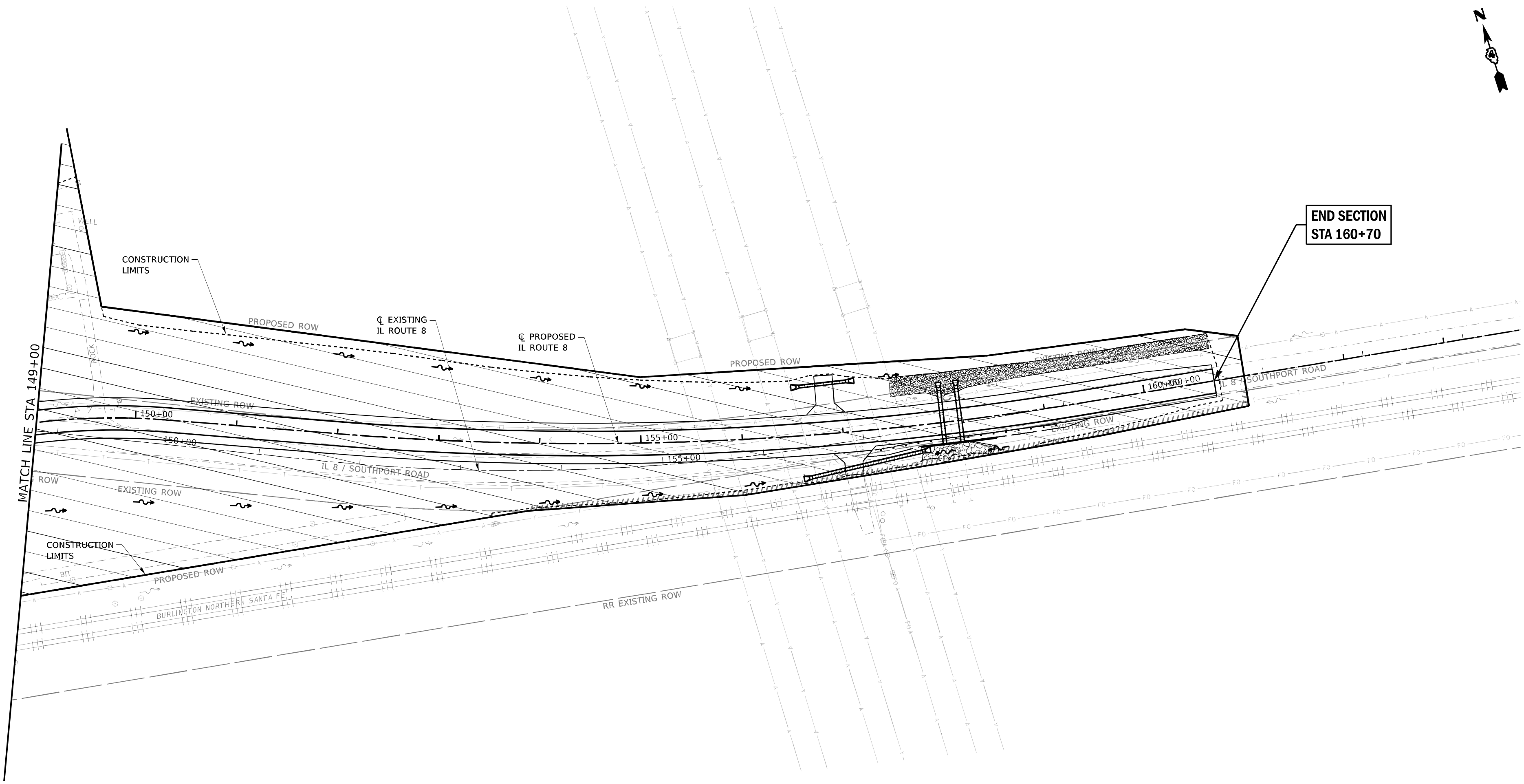
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 02 Stage 2	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / In.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 2 PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2+1VB)BR-2	PEORIA	235	48
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



LEGEND

STAGE 2 WORK AREA

SEQUENCE OF CONSTRUCTION

STAGE 2 CONSTRUCTION

COMPLETE ALL REMAINING WORK.

STAGE 2 TRAFFIC CONTROL

1. SIGN DETOUR ROUTE FOR IL 8.
2. CLOSE IL ROUTE 8 ACCORDING TO STANDARD BLR 21.
3. CLOSE POWDER MILL ROAD JUST WEST OF IL ROUTE 8 ACCORDING TO STANDARD BLR 22.

0 50 100 150
SCALE IN FEET

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 03 Stage 2	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

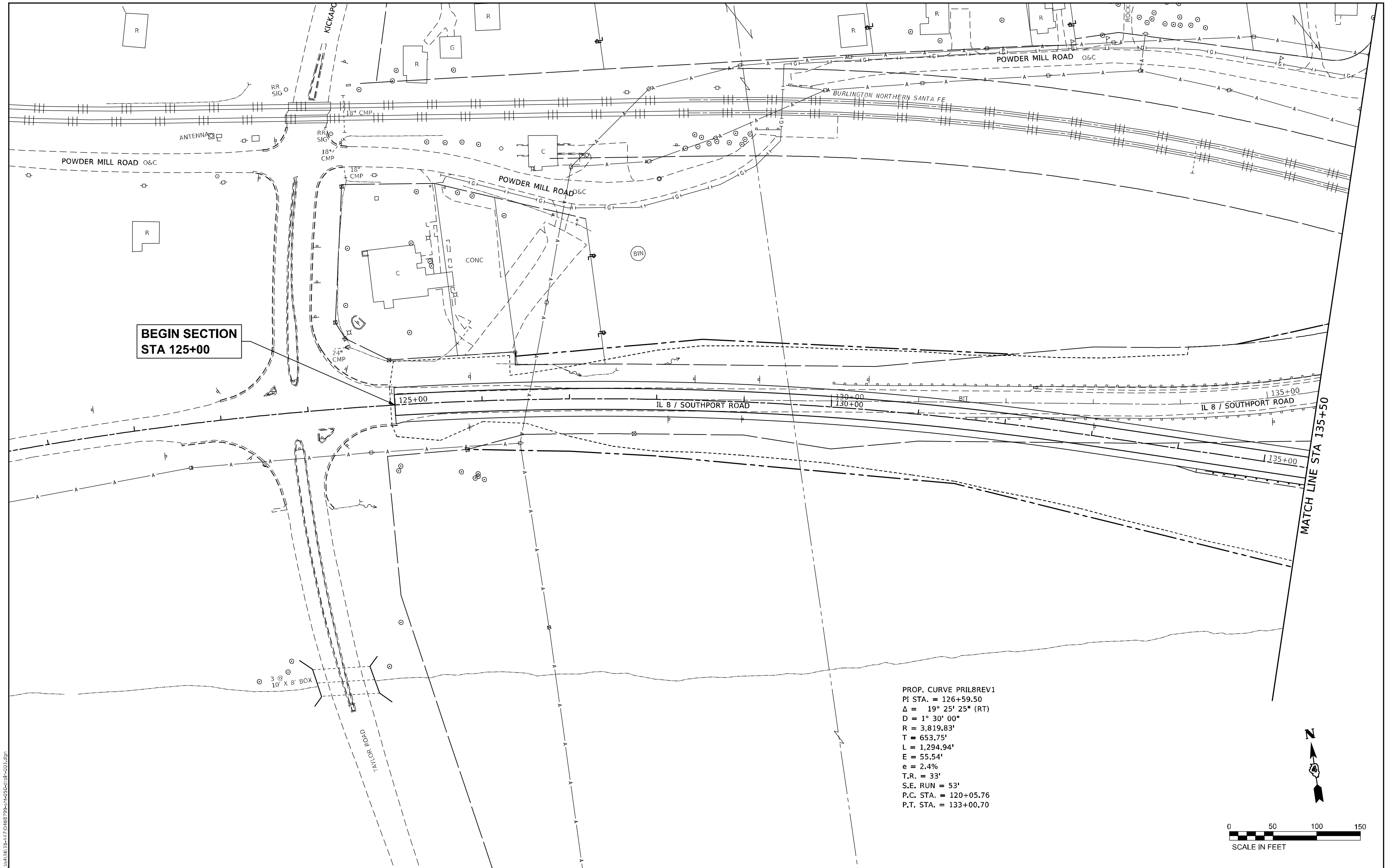
LOCHMUELLER GROUP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 2 PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' SHEET 3 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	49
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	



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FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 184-003525	USER NAME = cconnor	DESIGNED - MCB	REVISED -
		DRAWN - CFC	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MCB	REVISED -
	PLOT DATE = 8/22/2019	DATE -	REVISED -

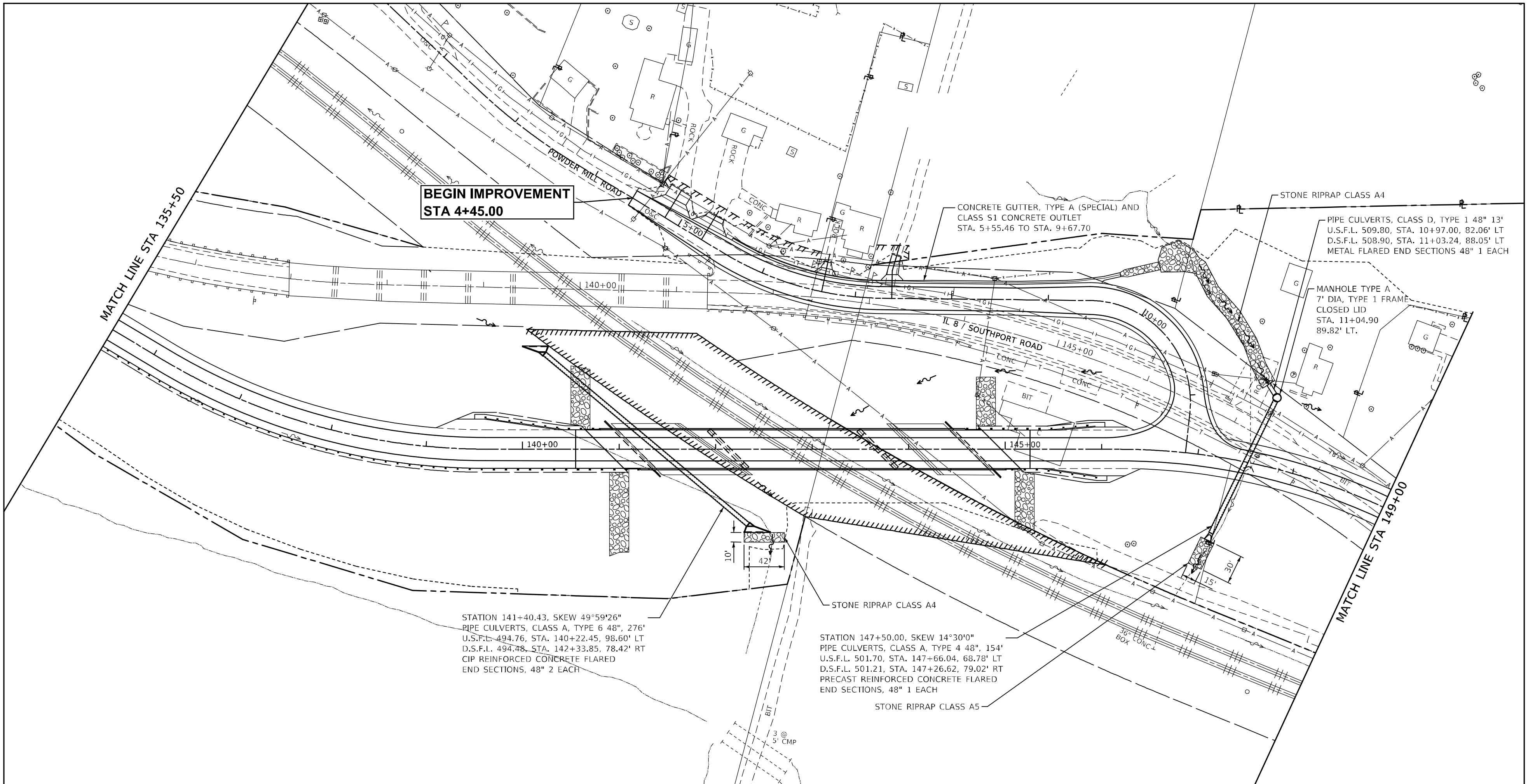
FEHR GRAHAM PROJECT NUMBER: 16-447

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN SHEETS
IL ROUTE 8

SCALE:	SHEET 1 OF 3 SHEETS	STA. 121+50 TO STA. 135+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	50
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



PROP. CURVE PRIL8REV2
PI STA. = 137+90.75
Δ = 30° 52' 26" (LT)
D = 8° 48' 53"
R = 650.00'
T = 179.49'
L = 350.25'
E = 24.33'
e = 6.0%
T.R. = 33'
S.E. RUN = 133'
P.C. STA. = 136+11.26
P.T. STA. = 139+61.52

PROP. CURVE PRIL8REV3
PI STA. = 148+32.28
Δ = 36° 18' 13" (RT)
D = 8° 48' 53"
R = 650.00'
T = 213.10'
L = 411.85'
E = 34.04'
e = 6.0%
T.R. = 33'
S.E. RUN = 133'
P.C. STA. = 146+19.17
P.T. STA. = 150+31.02

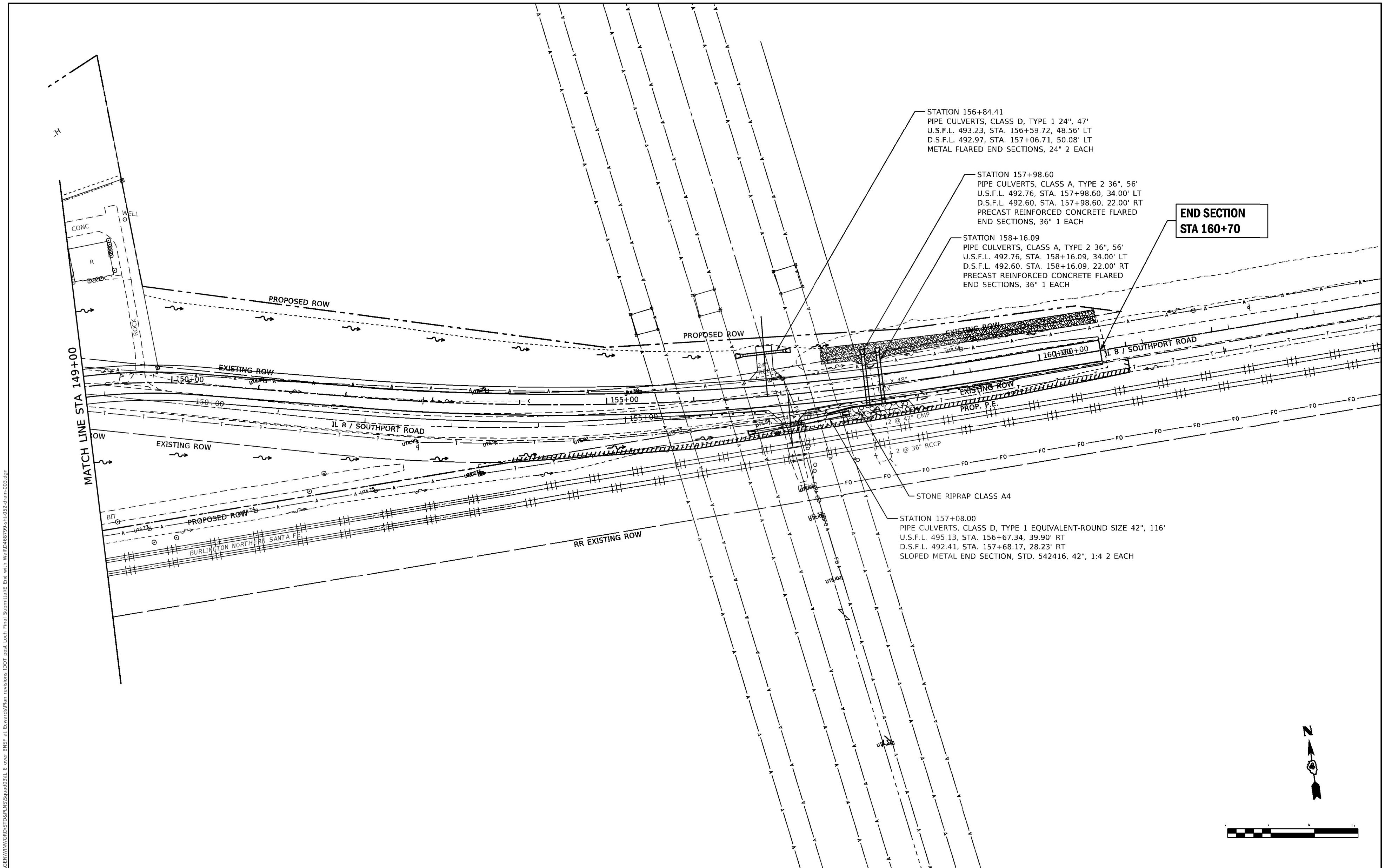
N

0 50 100 150
SCALE IN FEET

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 184-003525	USER NAME = cconnor	DESIGNED - MCB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN SHEETS IL ROUTE 8
		DRAWN - CFC	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MCB	REVISED -		
	PLOT DATE = 8/22/2019	DATE -	REVISED -		SCALE: SHEET 2 OF 3 SHEETS STA. 135+50 TO STA. 149+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	51
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		

FEHR GRAHAM PROJECT NUMBER: 16-447



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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

USER NAME = horstkj	DESIGNED - MCB	REVISED - KH (IDOT) 05/03/21	
	DRAWN - CFC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MCB	REVISED -	
PLOT DATE = 5/6/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

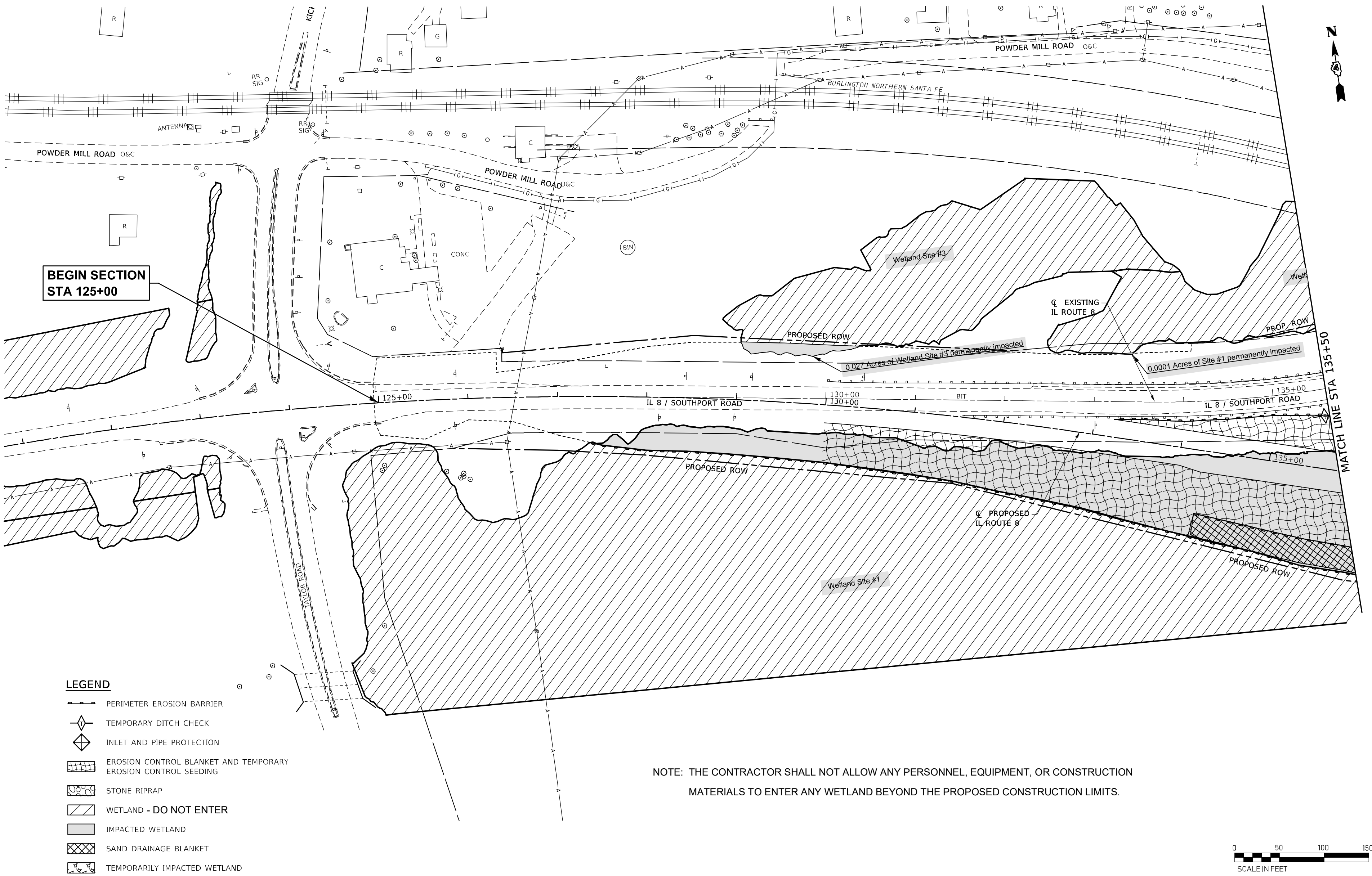
DRAINAGE PLAN SHEETS
IL ROUTE 8

SCALE: | SHEET 3 OF 3 SHEETS | STA. 149+00 TO STA. 163+97

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	52

CONTRACT NO. 68799
ILLINOIS | FED. AID PROJECT

FEHR GRAHAM PROJECT NUMBER: 16-447



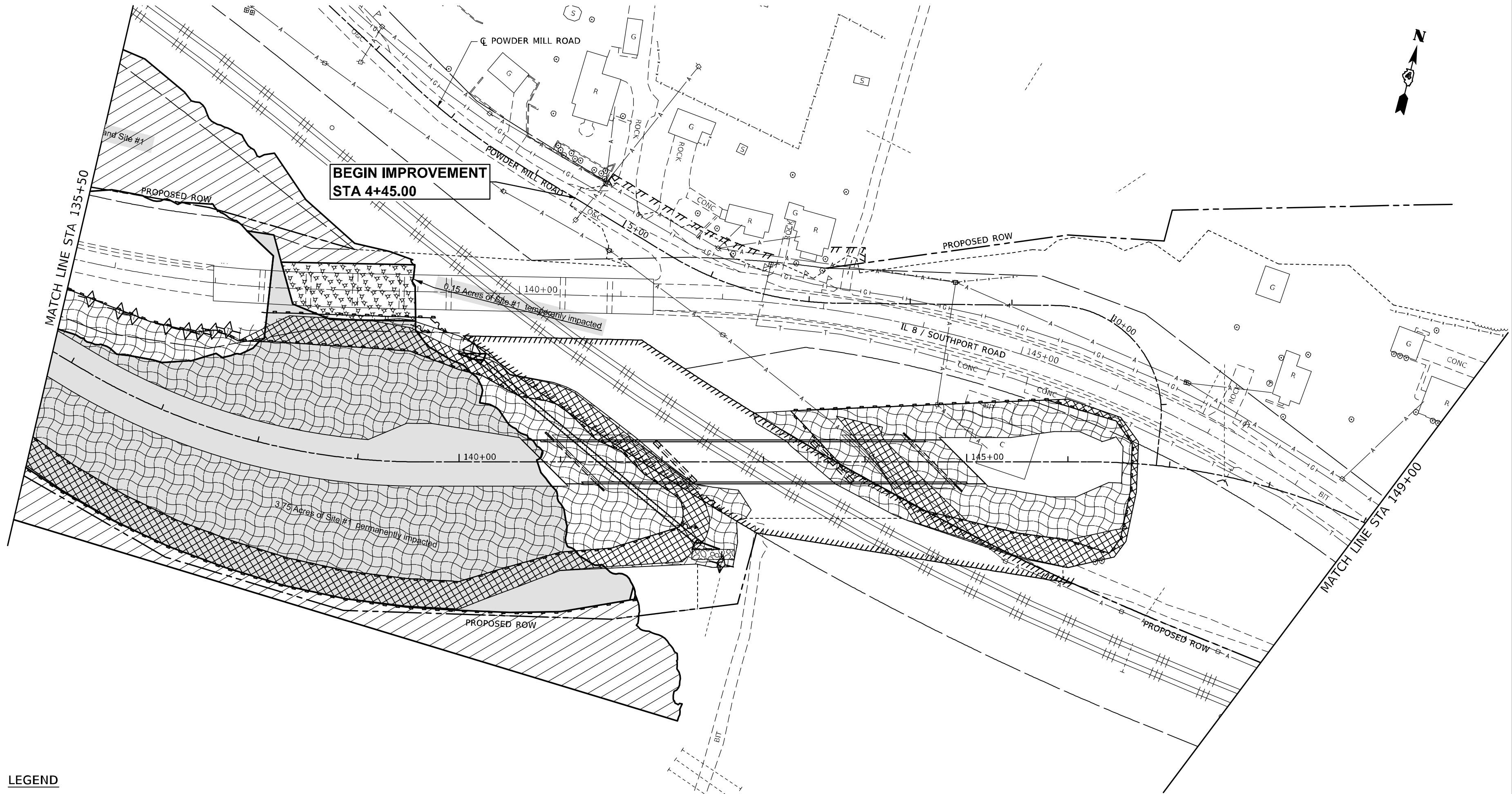
LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- STONE RIPRAP
- WETLAND - DO NOT ENTER
- IMPACTED WETLAND
- SAND DRAINAGE BLANKET
- TEMPORARILY IMPACTED WETLAND

NOTE: THE CONTRACTOR SHALL NOT ALLOW ANY PERSONNEL, EQUIPMENT, OR CONSTRUCTION MATERIALS TO ENTER ANY WETLAND BEYOND THE PROPOSED CONSTRUCTION LIMITS.

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 184-003525	USER NAME = cconnor	DESIGNED - MCB	REVISED - KH (IDOT) 05/05/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1 EROSION CONTROL PLAN IL ROUTE 8	F.A.S. RTE. 1388 / SECTION (Z-1VB)BR-2 / COUNTY PEORIA / TOTAL SHEETS 235 / SHEET NO. 53
		DRAWN - CFC	REVISED -			CONTRACT NO. 68799
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MCB	REVISED -			
	PLOT DATE = 8/22/2019	DATE -	REVISED -		SCALE: 1"=50' SHEET 531 OF 3 SHEETS STA 121+50 TO STA 135+50	ILLINOIS FED. AID PROJECT

FEHR GRAHAM PROJECT NUMBER: 16-447



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- STONE RIPRAP
- WETLAND - DO NOT ENTER
- IMPACTED WETLAND
- SAND DRAINAGE BLANKET
- TEMPORARILY IMPACTED WETLAND

NOTE: THE CONTRACTOR SHALL NOT ALLOW ANY PERSONNEL, EQUIPMENT, OR CONSTRUCTION MATERIALS TO ENTER ANY WETLAND BEYOND THE PROPOSED CONSTRUCTION LIMITS.

0 50 100 150
SCALE IN FEET

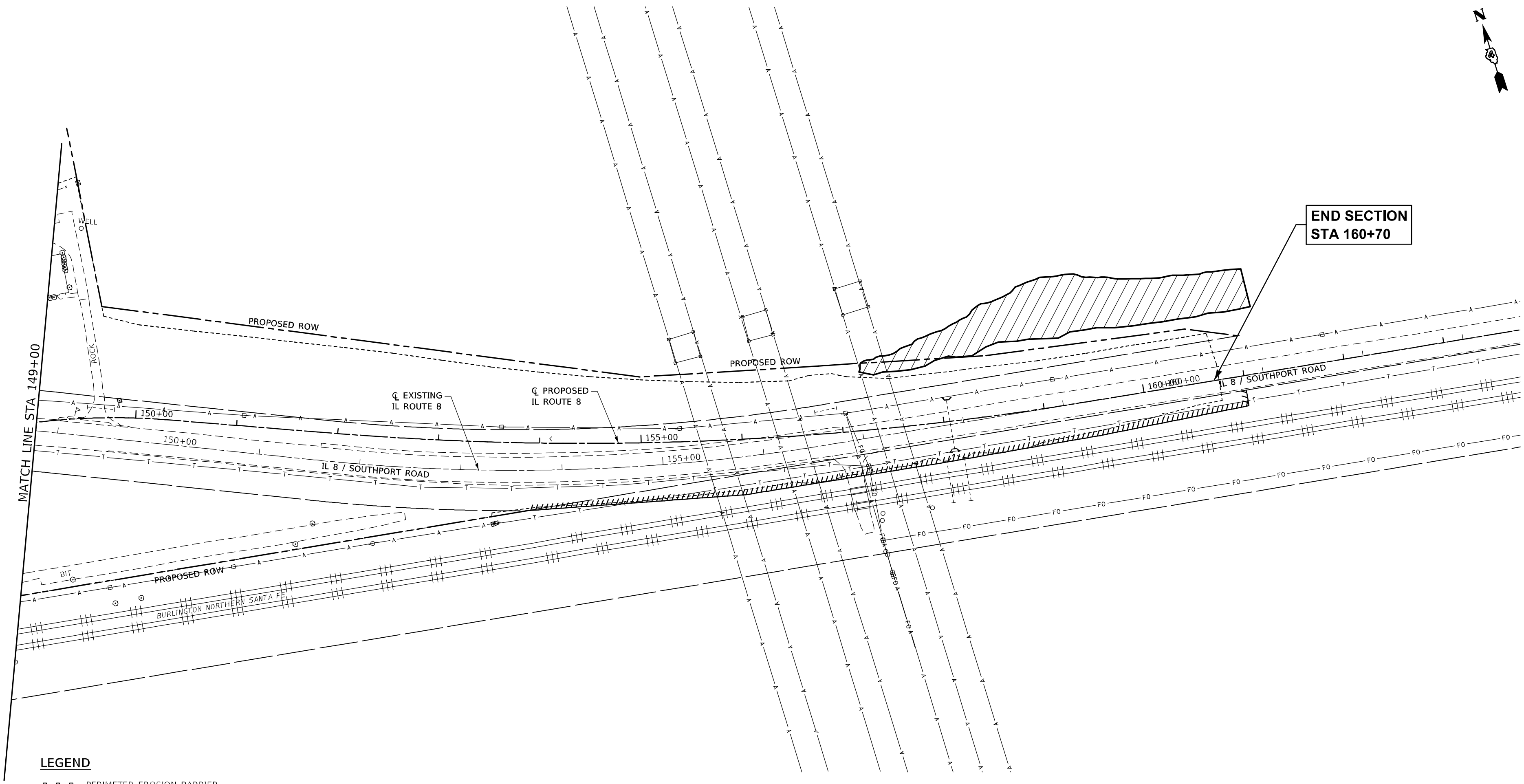
FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525
FEHR GRAHAM PROJECT NUMBER: 16-447

USER NAME = cconnor	DESIGNED - MCB	REVISED - KH (IDOT) 05/05/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - CFC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MCB	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STAGE 1 EROSION CONTROL PLAN
IL ROUTE 8

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA 135+50 TO STA 149+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	54
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- STONE RIPRAP
- WETLAND - DO NOT ENTER
- IMPACTED WETLAND
- SAND DRAINAGE BLANKET
- TEMPORARILY IMPACTED WETLAND

NOTE: THE CONTRACTOR SHALL NOT ALLOW ANY PERSONNEL, EQUIPMENT, OR CONSTRUCTION MATERIALS TO ENTER ANY WETLAND BEYOND THE PROPOSED CONSTRUCTION LIMITS.

0 50 100 150
SCALE IN FEET

MODEL: 03 Stage 1
FILE NAME: ...D468799-sht-053-ersn-Staging 1.dgn

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

USER NAME = cconnor	DESIGNED - MCB	REVISED - KH (IDOT) 05/05/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - CFC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MCB	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

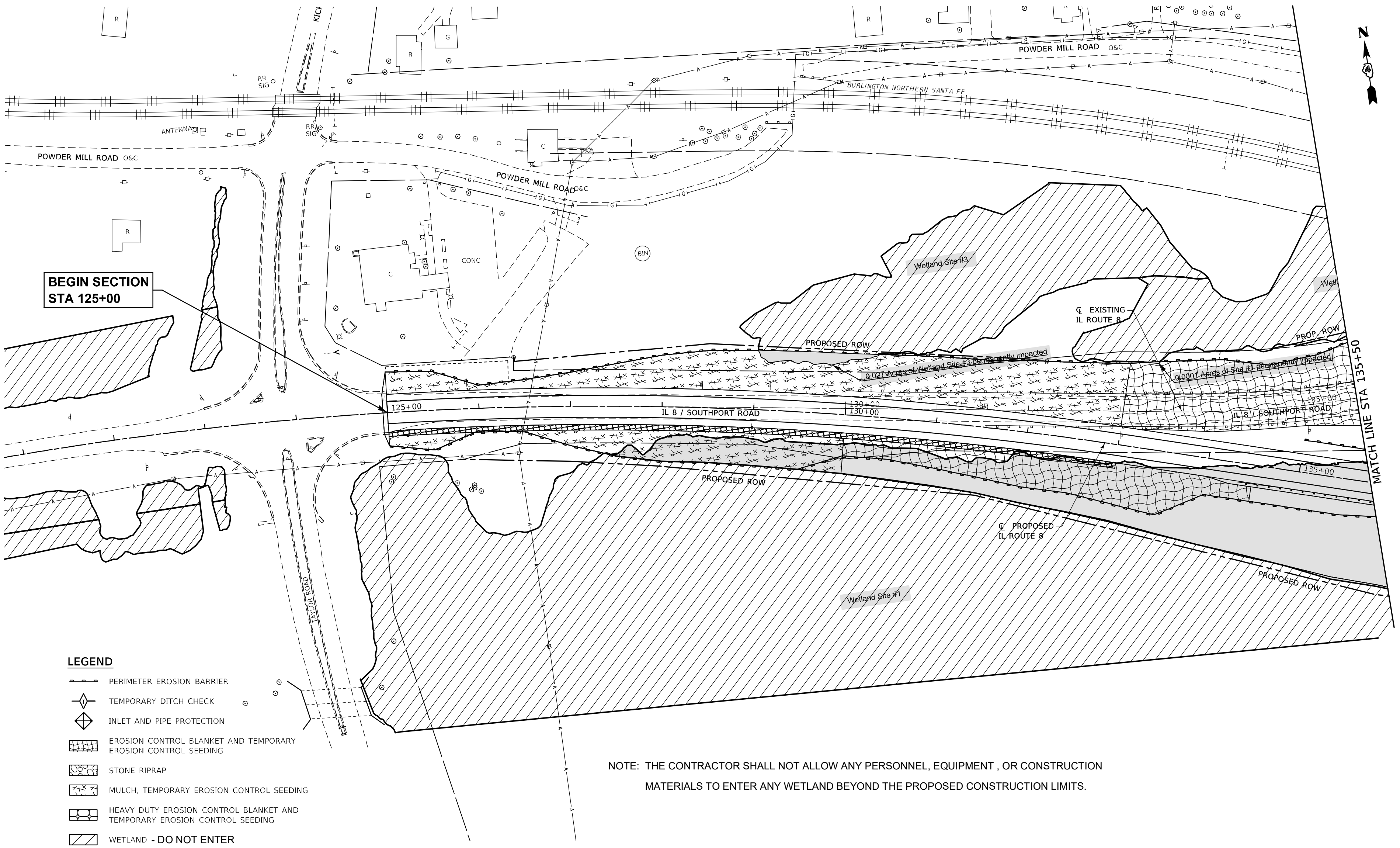
STAGE 1 EROSION CONTROL PLAN
IL ROUTE 8

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA 149+00 TO STA 163+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	55

CONTRACT NO. 68799
ILLINOIS | FED. AID PROJECT

FEHR GRAHAM PROJECT NUMBER: 16-447



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- STONE RIPRAP
- MULCH, TEMPORARY EROSION CONTROL SEEDING
- HEAVY DUTY EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- WETLAND - DO NOT ENTER
- IMPACTED WETLAND
- SAND DRAINAGE BLANKET
- TEMPORARILY IMPACTED WETLAND

NOTE: THE CONTRACTOR SHALL NOT ALLOW ANY PERSONNEL, EQUIPMENT , OR CONSTRUCTION MATERIALS TO ENTER ANY WETLAND BEYOND THE PROPOSED CONSTRUCTION LIMITS.

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 184-003525	USER NAME = cconnor	DESIGNED - MCB	REVISED - KH (IDOT) 05/05/21
		DRAWN - CFC	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MCB	REVISED -
	PLOT DATE = 8/22/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 EROSION CONTROL PLAN
IL ROUTE 8

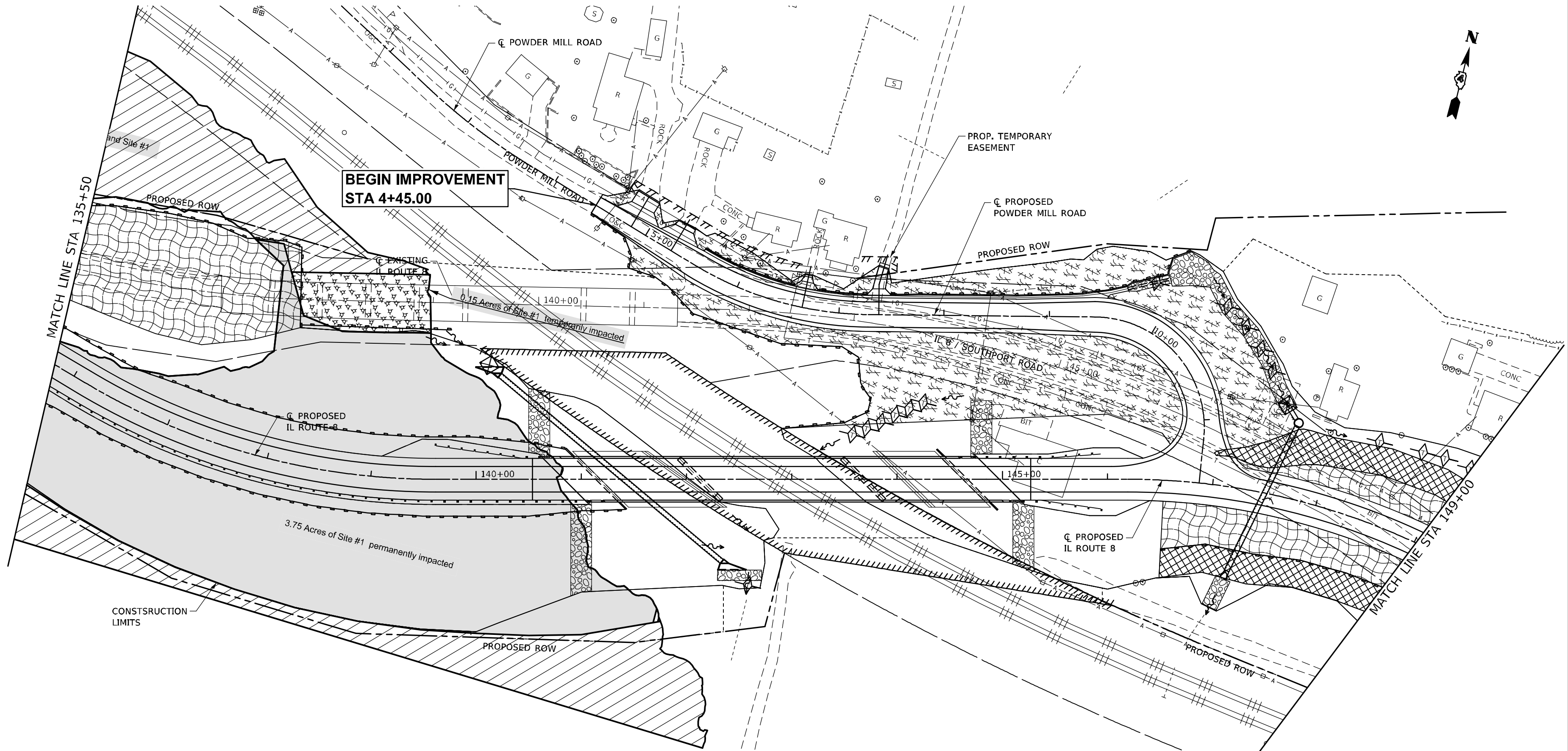
SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA 121+50 TO STA 135+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	56

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

FEHR GRAHAM PROJECT NUMBER: 16-447



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- STONE RIPRAP
- MULCH, TEMPORARY EROSION CONTROL SEEDING
- HEAVY DUTY EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- WETLAND - DO NOT ENTER
- IMPACTED WETLAND
- SAND DRAINAGE BLANKET
- TEMPORARILY IMPACTED WETLAND

NOTE: THE CONTRACTOR SHALL NOT ALLOW ANY PERSONNEL, EQUIPMENT, OR CONSTRUCTION MATERIALS TO ENTER ANY WETLAND BEYOND THE PROPOSED CONSTRUCTION LIMITS.

0 50 100 150
SCALE IN FEET

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525
FEHR GRAHAM PROJECT NUMBER: 16-447

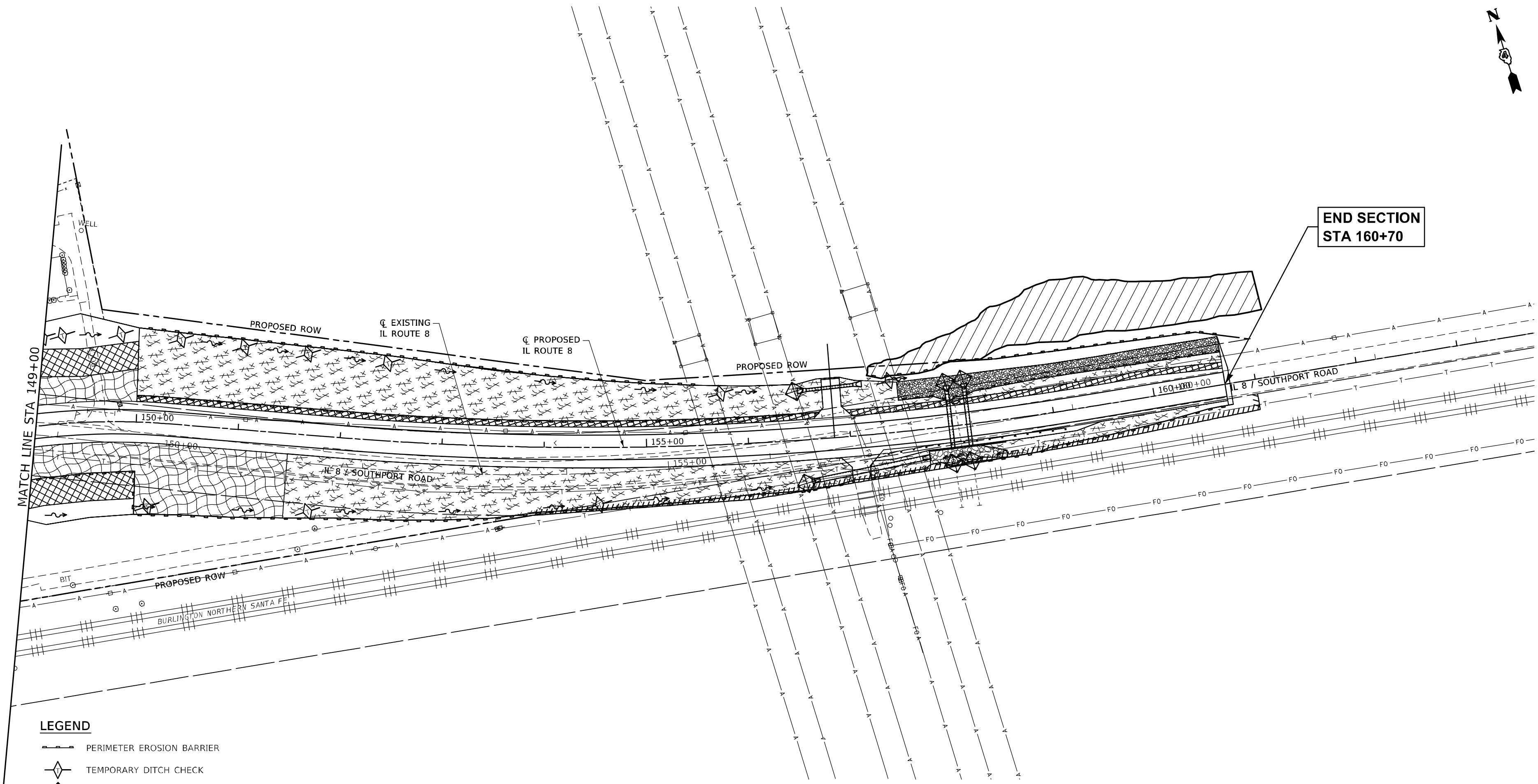
USER NAME = cconnor	DESIGNED - MCB	REVISED - KH (IDOT) 05/05/21	
	DRAWN - CFC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MCB	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 EROSION CONTROL PLAN
IL ROUTE 8

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA 135+50 TO STA 149+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	57
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- STONE RIPRAP
- MULCH, TEMPORARY EROSION CONTROL SEEDING
- HEAVY DUTY EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- WETLAND - DO NOT ENTER
- IMPACTED WETLAND
- SAND DRAINAGE BLANKET
- TEMPORARILY IMPACTED WETLAND

NOTE: THE CONTRACTOR SHALL NOT ALLOW ANY PERSONNEL, EQUIPMENT, OR CONSTRUCTION MATERIALS TO ENTER ANY WETLAND BEYOND THE PROPOSED CONSTRUCTION LIMITS.

0 50 100 150
SCALE IN FEET

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

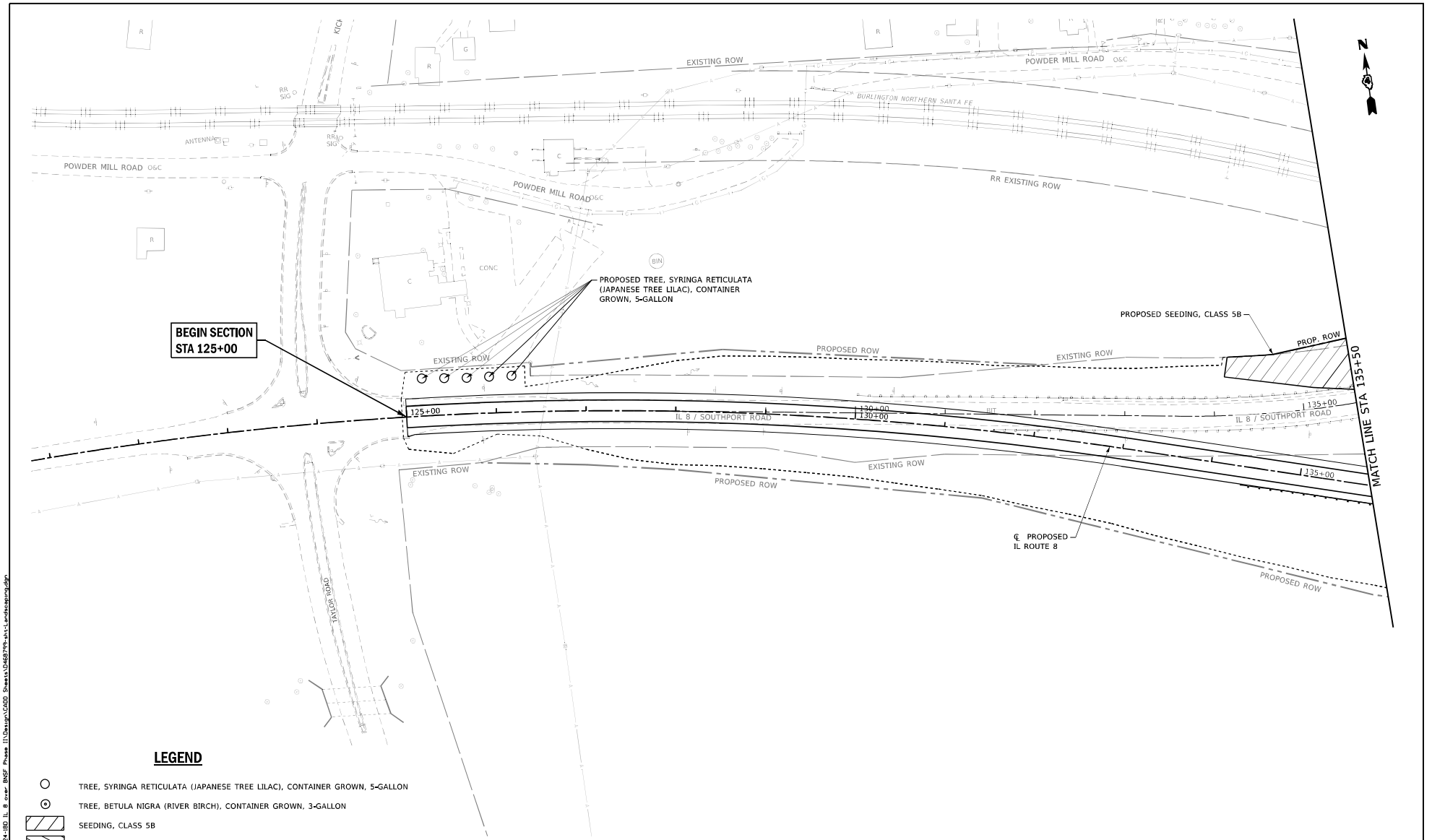
USER NAME = ccomnor	DESIGNED - MCB	REVISED - KH (IDOT) 05/05/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - CFC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - MCB	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STAGE 2 EROSION CONTROL PLAN
IL ROUTE 8

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA 149+00 TO STA 163+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	58
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		

FEHR GRAHAM PROJECT NUMBER: 16-447



LEGEND

- TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), CONTAINER GROWN, 5-GALLON
- TREE, BETULA NIGRA (RIVER BIRCH), CONTAINER GROWN, 3-GALLON
- SEEDING, CLASS 5B
- SEEDLINGS

NOTES:
SEEDING, CLASS 3 SHALL BE USED THROUGH THE PROJECT LIMITS.
SEEDING, CLASS 5B SHALL OVERLAP THE SEEDING, CLASS 3.

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\498-8824-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-Landscaping.dgn

LOCHMUELLER GROUP
1928 SW Bradley St, SOUTH END
Troy, IL 62294
PHONE: 618.667.1400

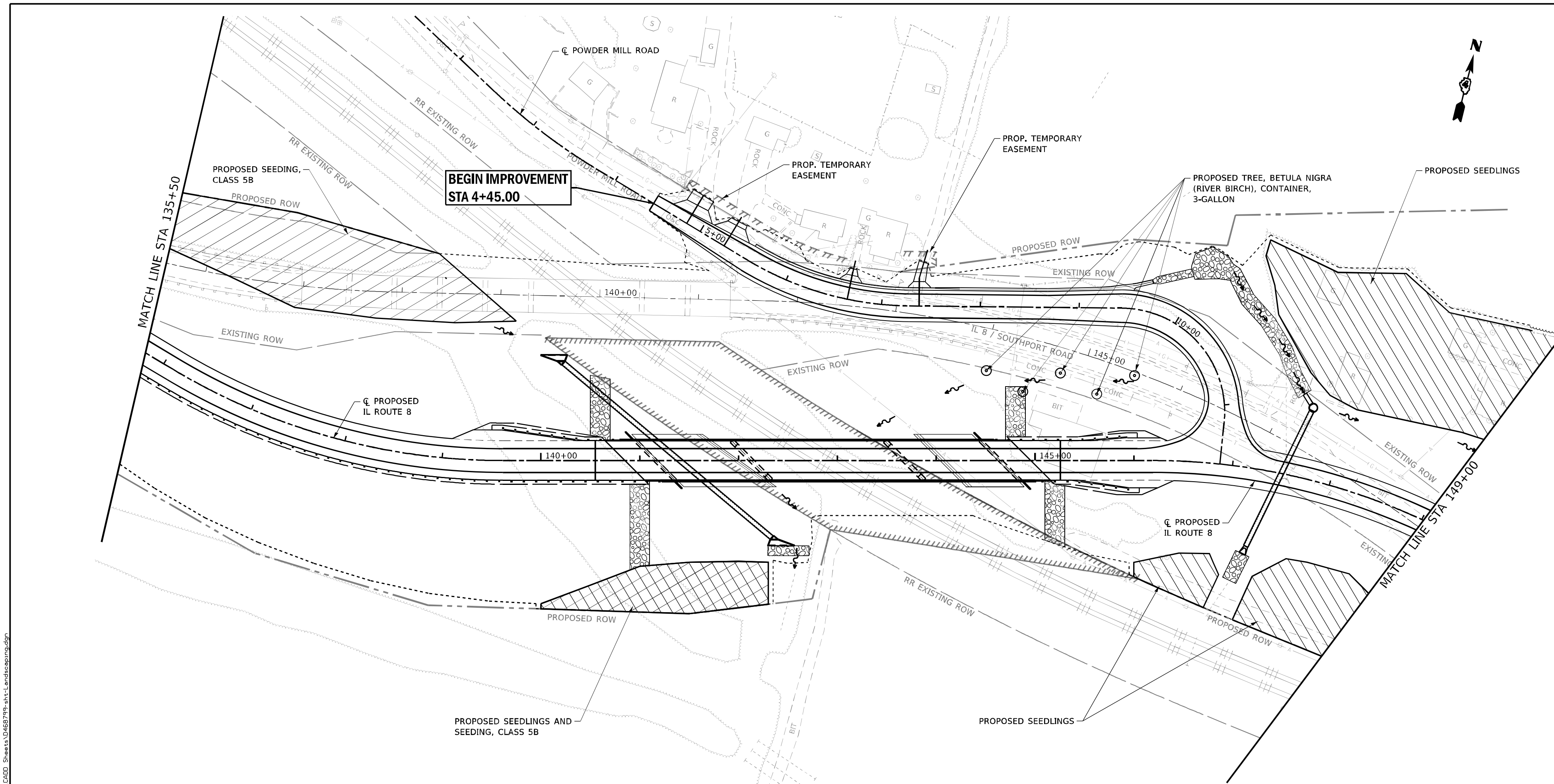
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 01 LS	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / In.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	59
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), CONTAINER GROWN, 5-GALLON
- TREE, BETULA NIGRA (RIVER BIRCH), CONTAINER GROWN, 3-GALLON
- SEEDING, CLASS 5B
- SEEDLINGS

NOTES:
SEEDING, CLASS 3 SHALL BE USED THROUGH THE PROJECT LIMITS.
SEEDING, CLASS 5B SHALL OVERLAP THE SEEDING, CLASS 3.

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\408-0024-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Landscaping.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

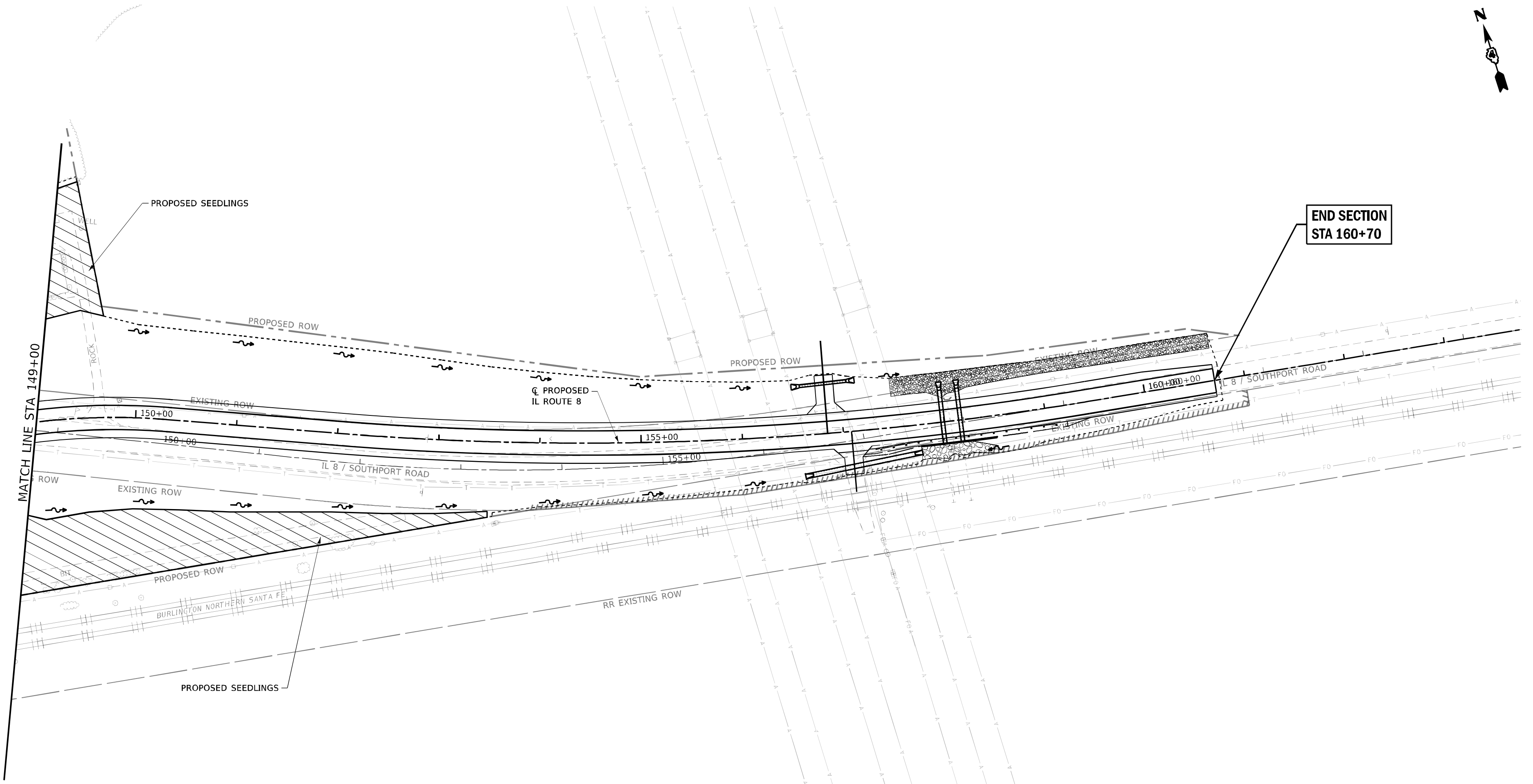
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 02 LS	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	60
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



LEGEND

○ TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), CONTAINER GROWN, 5-GALLON

⊙ TREE, BETULA NIGRA (RIVER BIRCH), CONTAINER GROWN, 3-GALLON

SEEDING, CLASS 5B

SEEDLINGS

NOTES:
SEEDING, CLASS 3 SHALL BE USED THROUGH THE PROJECT LIMITS.
SEEDING, CLASS 5B SHALL OVERLAP THE SEEDING, CLASS 3.

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Landscaping.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -
MODEL NAME = 03 LS	DRAWN - PDB	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -

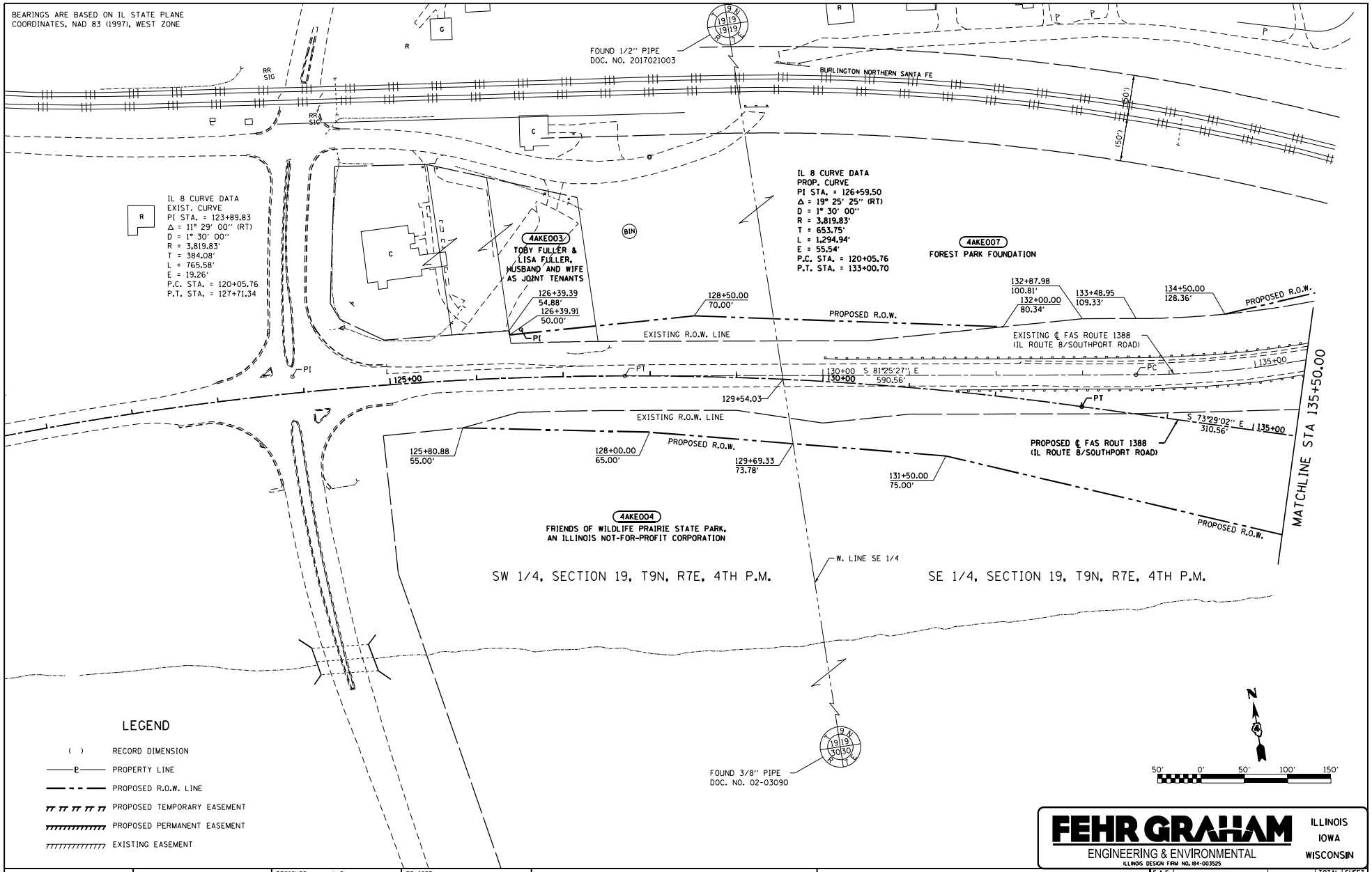
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' SHEET 3 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	61
		CONTRACT NO. 68799		

ILLINOIS FED. AID PROJECT



FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525
ILLINOIS
IOWA
WISCONSIN

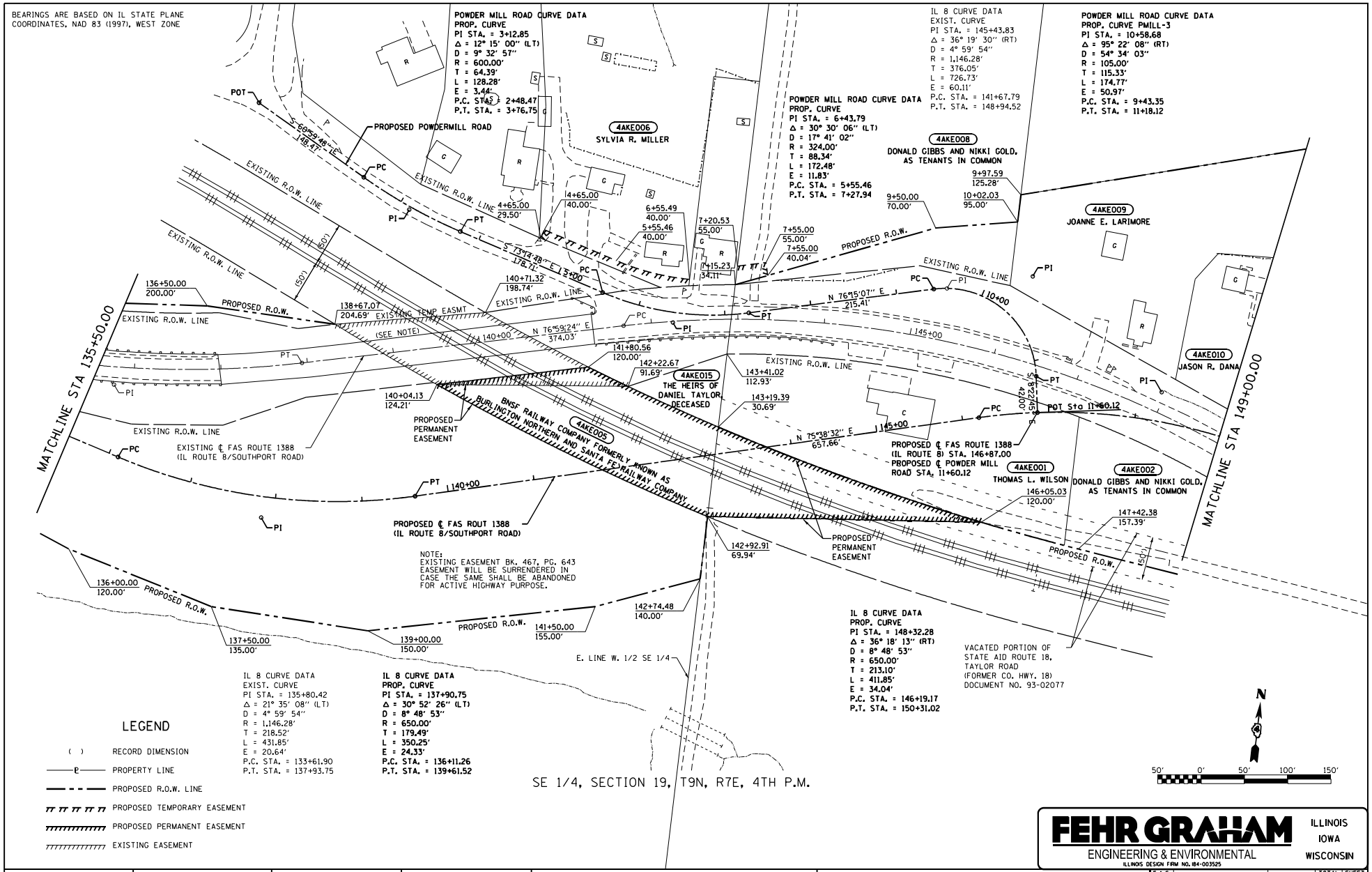
FILE NAME = S:\Projects\488-0024-IBD IL 8 over BNSF ROW-1	USER NAME = Betsy	DESIGNED - WJC	REVISED -
	Phase II\Design\CADD Sheets\D468799-sht-row-plan.dgn	DRAWN - CFC	REVISED -
	PLOT SCALE = 100.000000 ' / in.	CHECKED - WJC	REVISED -
FEHR GRAHAM PROJECT NUMBER: 09005	PLOT DATE = 8/22/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
IL ROUTE 8

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	62
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	



FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525
ILLINOIS
IOWA
WISCONSIN

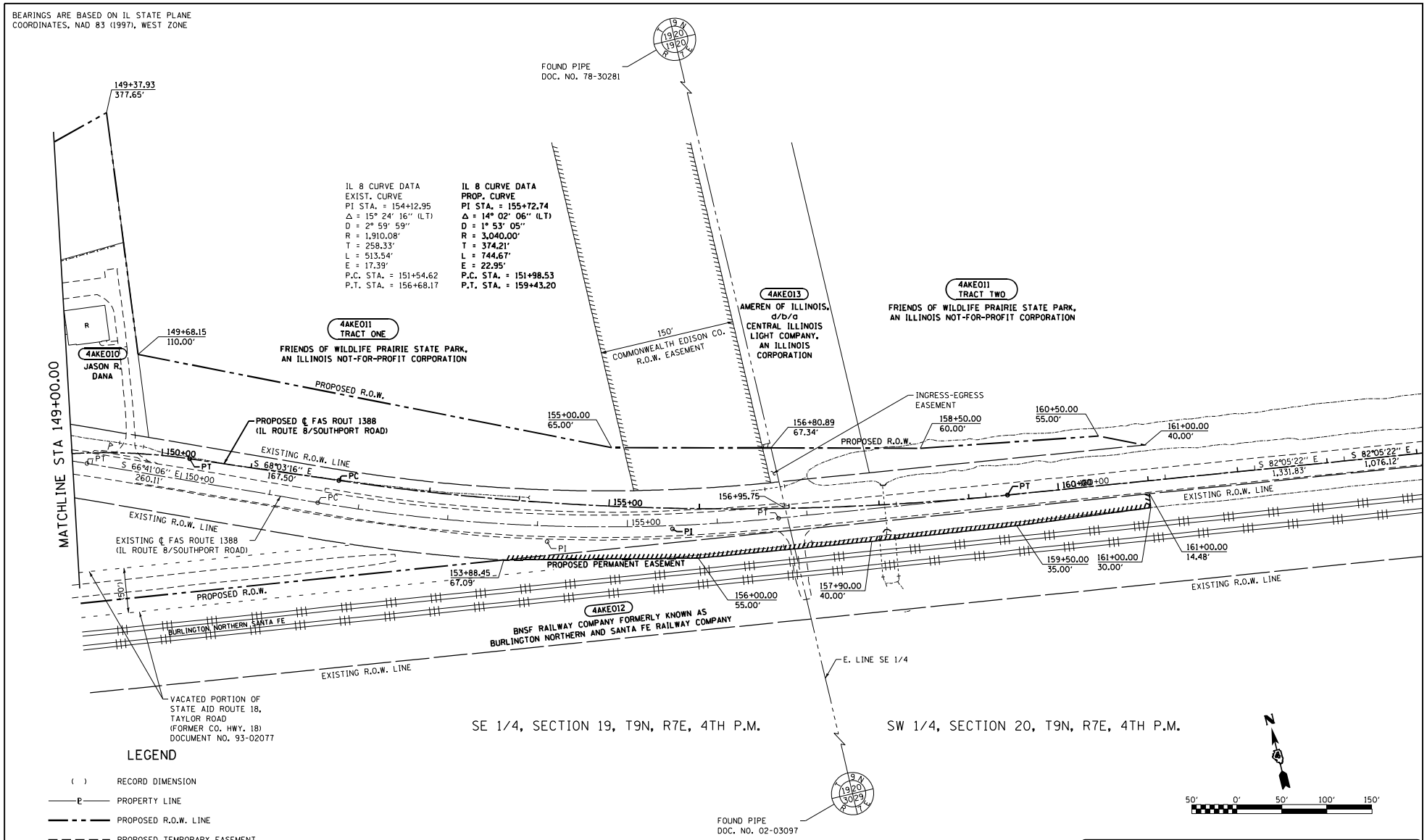
FILE NAME = S:\Projects\488-0024-1BD IL 8 over BNSF ROW-2	USER NAME = Betsy	DESIGNED - WJC	REVISED -
	Phase II\Design\CADD Sheets\D468799-sht-row-plan.dgn	DRAWN - CFC	REVISED -
	PLOT SCALE = 100.000000 ' / in.	CHECKED - WJC	REVISED -
FEHR GRAHAM PROJECT NUMBER: 09005	PLOT DATE = 8/22/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
IL ROUTE 8

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2-1VB)BR-2	PEORIA	235	63
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	



FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525
ILLINOIS
IOWA
WISCONSIN

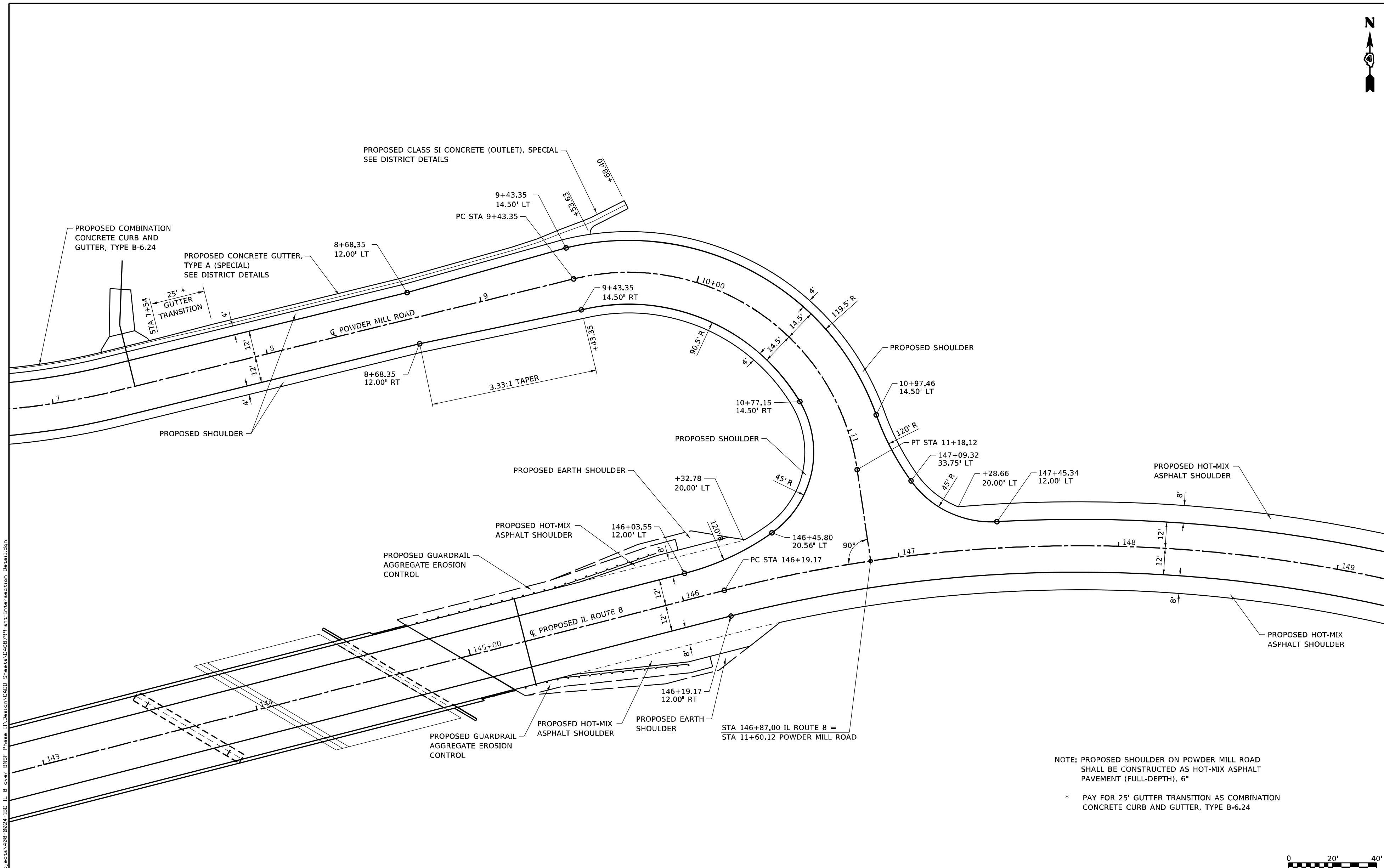
FILE NAME =	USER NAME = Betsy	DESIGNED - WJC	REVISED -
S:\Projects\488-0024-1BD IL 8 over BNSF\Phase II\Design\CADD Sheets\D468799-sht-roadway.dgn		DRAWN - CFC	REVISED -
ROW-3	PLOT SCALE = 100.000000 ' / in.	CHECKED - WJC	REVISED -
FEHR GRAHAM PROJECT NUMBER: 09005	PLOT DATE = 8/22/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN
IL ROUTE 8

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2-1VB)BR-2	PEORIA	235	64
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	



NOTE: PROPOSED SHOULDER ON POWDER MILL ROAD SHALL BE CONSTRUCTED AS HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"

* PAY FOR 25' GUTTER TRANSITION AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Intersection Detail.dgn

LOCHMUELLER GROUP

USER NAME = Betsy	DESIGNED - JLS	REVISED -
MODEL NAME = 01 IntDet	DRAWN - PDB	REVISED -
PLOT SCALE = 40.0000 '/in.	CHECKED - ESW	REVISED -
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL SHEET
IL ROUTE 8 AND POWDER MILL ROAD

SCALE: 1"=20' SHEET 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	65

CONTRACT NO. 68799

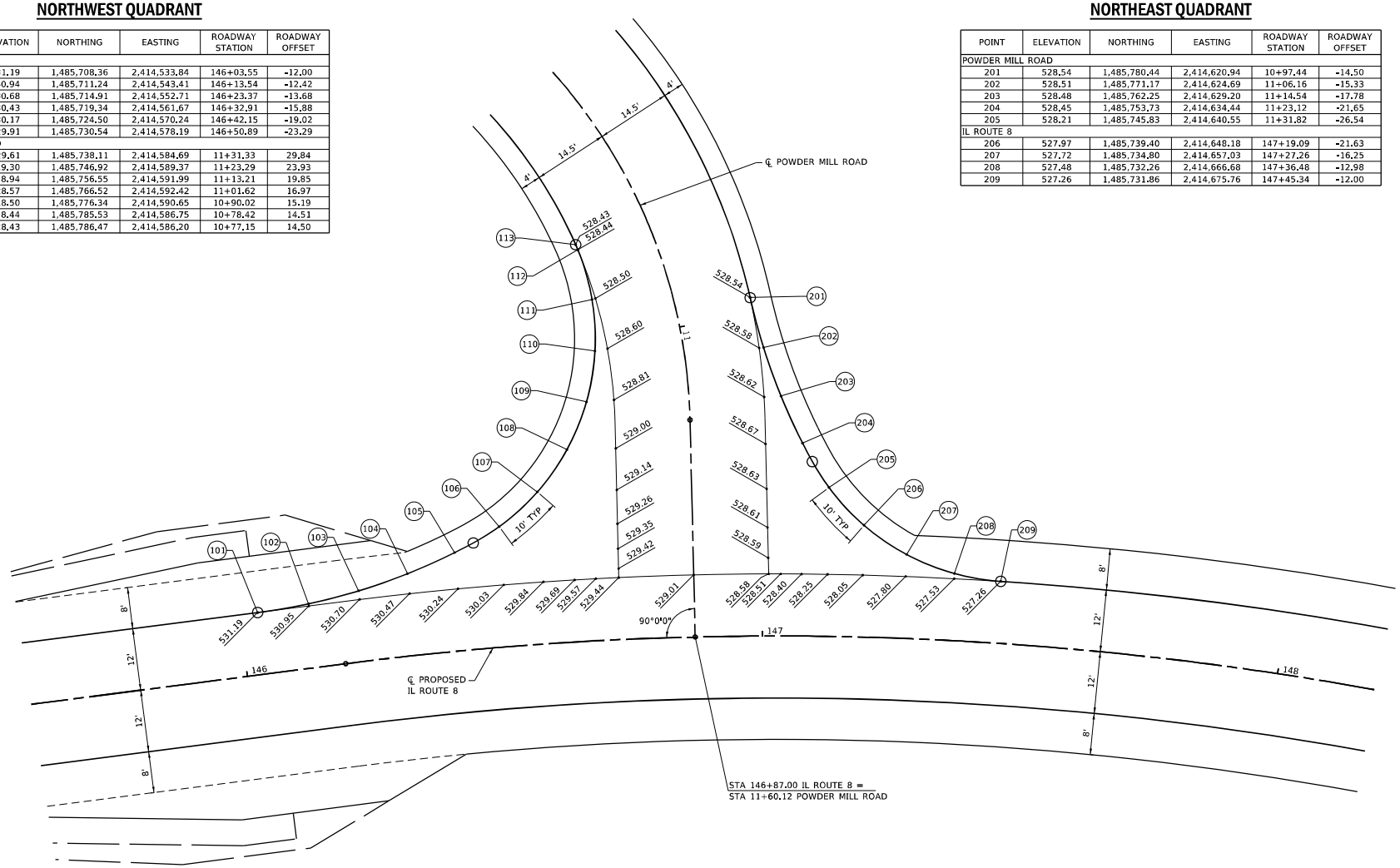
ILLINOIS FED. AID PROJECT

NORTHWEST QUADRANT

POINT	ELEVATION	NORTHING	EASTING	ROADWAY STATION	ROADWAY OFFSET
IL ROUTE 8					
101	531.19	1,485,708.36	2,414,533.84	146+03.55	-12.00
102	530.94	1,485,711.24	2,414,543.41	146+13.54	-12.42
103	530.68	1,485,714.91	2,414,552.71	146+23.37	-13.68
104	530.43	1,485,719.34	2,414,561.67	146+32.91	-15.88
105	530.17	1,485,724.50	2,414,570.24	146+42.15	-19.02
106	529.91	1,485,730.54	2,414,578.19	146+50.89	-23.29
POWDER MILL ROAD					
107	529.61	1,485,738.11	2,414,584.69	11+31.33	29.84
108	529.30	1,485,746.92	2,414,589.37	11+23.29	23.93
109	528.94	1,485,756.55	2,414,591.99	11+13.21	19.85
110	528.57	1,485,766.52	2,414,592.42	11+01.62	16.97
111	528.50	1,485,776.34	2,414,590.65	10+90.02	15.19
112	528.44	1,485,785.53	2,414,586.75	10+78.42	14.51
113	528.43	1,485,786.47	2,414,586.20	10+77.15	14.50

NORTHEAST QUADRANT

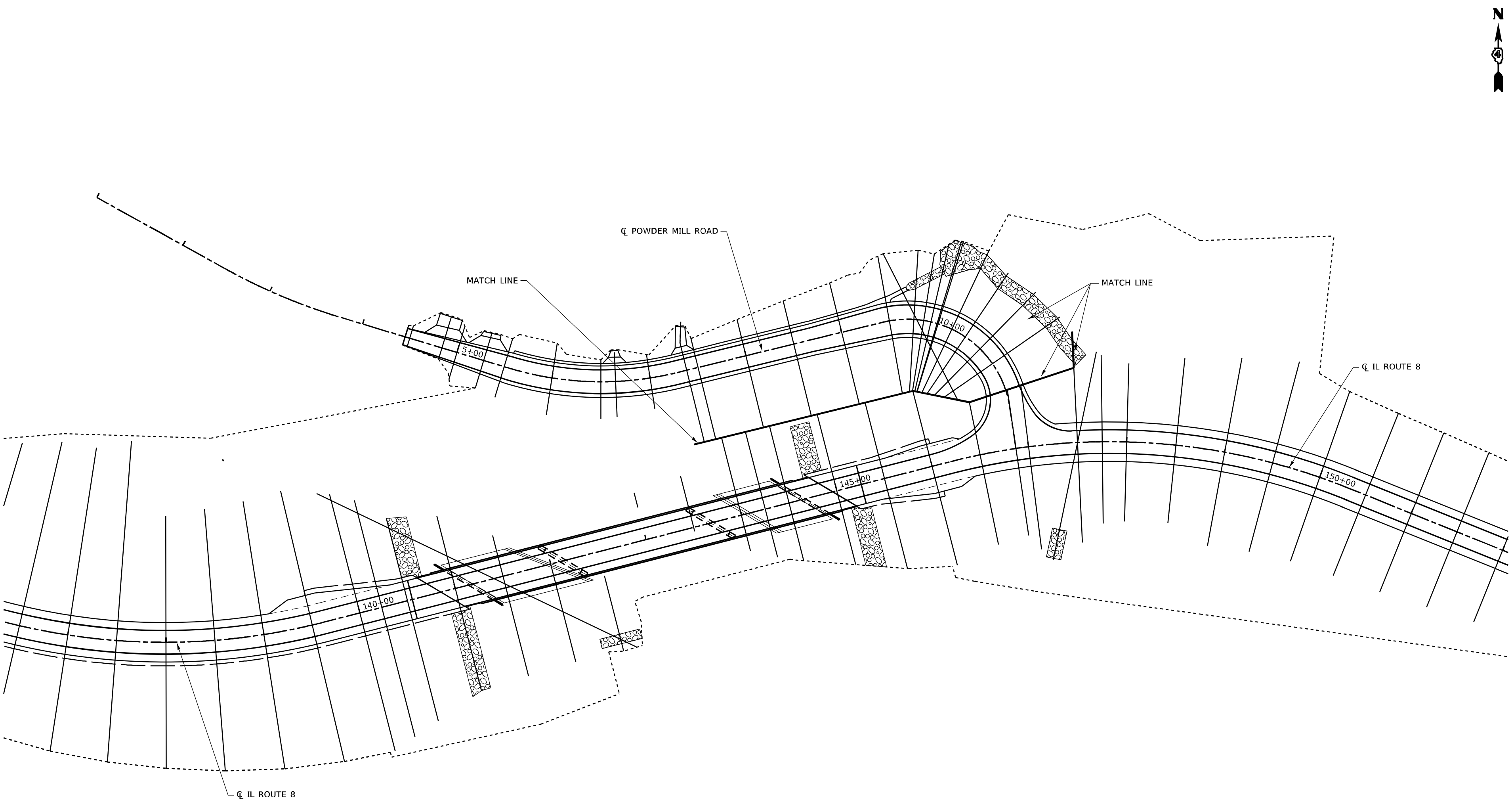
POINT	ELEVATION	NORTHING	EASTING	ROADWAY STATION	ROADWAY OFFSET
POWDER MILL ROAD					
201	528.54	1,485,780.44	2,414,620.94	10+97.44	-14.50
202	528.51	1,485,771.17	2,414,624.69	11+06.16	-15.33
203	528.48	1,485,762.25	2,414,629.20	11+14.54	-17.78
204	528.45	1,485,753.73	2,414,634.44	11+23.12	-21.65
205	528.21	1,485,745.83	2,414,640.55	11+31.82	-26.54
IL ROUTE 8					
206	527.97	1,485,739.40	2,414,648.18	147+19.09	-21.63
207	527.72	1,485,734.80	2,414,657.03	147+27.26	-16.25
208	527.48	1,485,732.26	2,414,666.68	147+36.48	-12.98
209	527.26	1,485,731.86	2,414,675.76	147+45.34	-12.00



LOCHMUELLER GROUP	USER NAME = Betsy	DESIGNED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT ELEVATION SHEET IL ROUTE 8 AND POWDER MILL ROAD
	MODEL NAME = 01 PvtElevs	DRAWN - PDB	REVISED -		
	PLOT SCALE = 20.0000 ' / In.	CHECKED - ESW	REVISED -		
	PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -		SCALE: 1"=10' SHEET 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	66
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: S:\Projects\489-8824-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-Pvt Elevs.dgn



FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Shear Lines.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 01 SHR	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEAR LINE DETAIL SHEET
IL ROUTE 8

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	67
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		

NOTE: CONTOURS PLOTTED AT 2' INTERVAL.

0 50' 100'

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Grading Plan.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

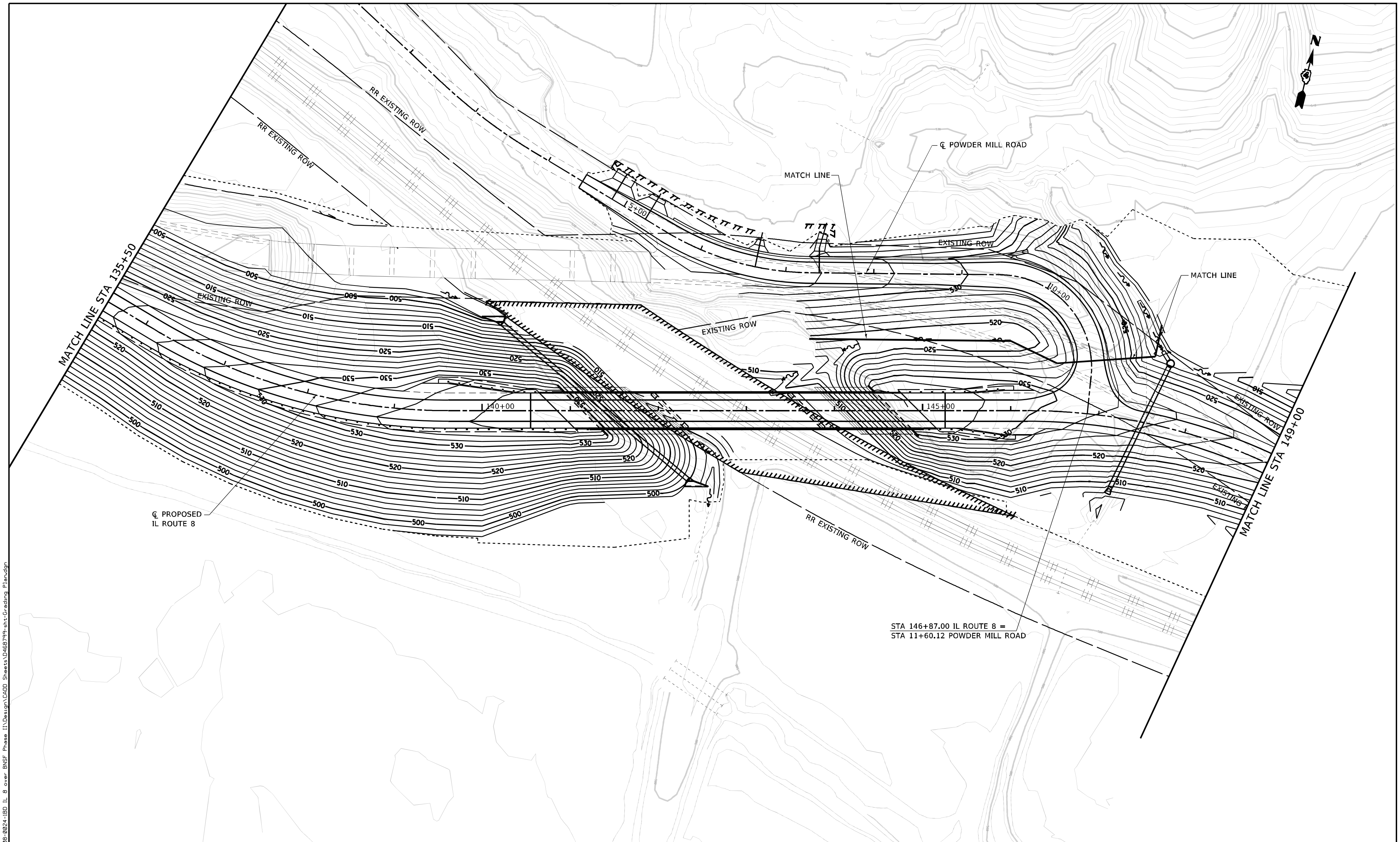
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 01 Grading Plan	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 '/ in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA 121+50 TO STA 135+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	68
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



NOTE: CONTOURS PLOTTED AT 2' INTERVAL.

0 50' 100'

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Grading Plan.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

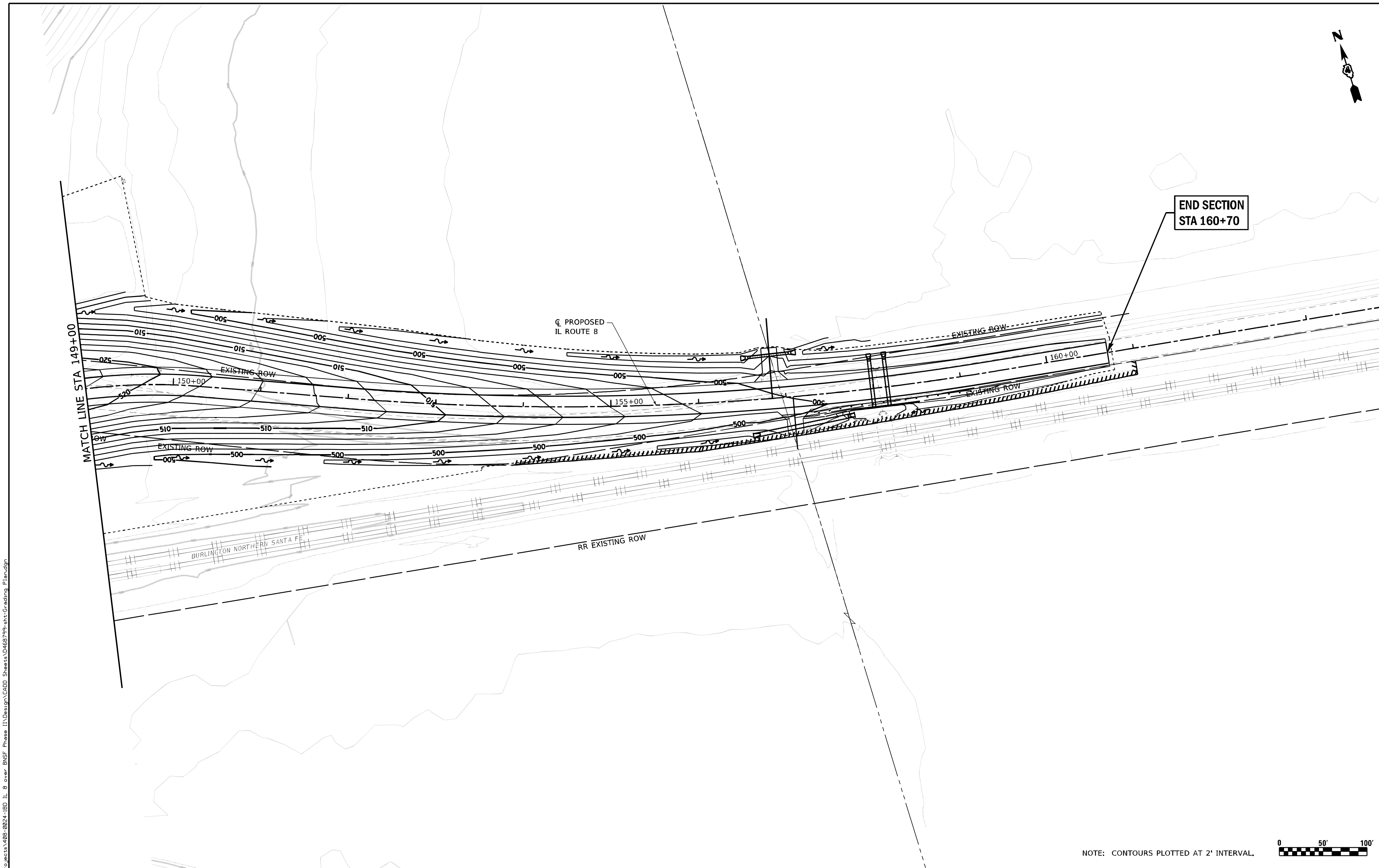
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 02 Grading Plan	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA 135+50 TO STA 149+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	69
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



NOTE: CONTOURS PLOTTED AT 2' INTERVAL.

FILE NAME: S:\Projects\408-0024-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-Grading Plan.dgn

LOCHMUELLER GROUP
1928 SrA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

USER NAME	= Betsy	DESIGNED	- JLS	REVISED	-
MODEL NAME	= 03 Grading Plan	DRAWN	- PDB	REVISED	-
PLOT SCALE	= 100.0000 '/ in.	CHECKED	- ESW	REVISED	-
PLOT DATE	= 8/22/2019	DATE	- 01-17-18	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

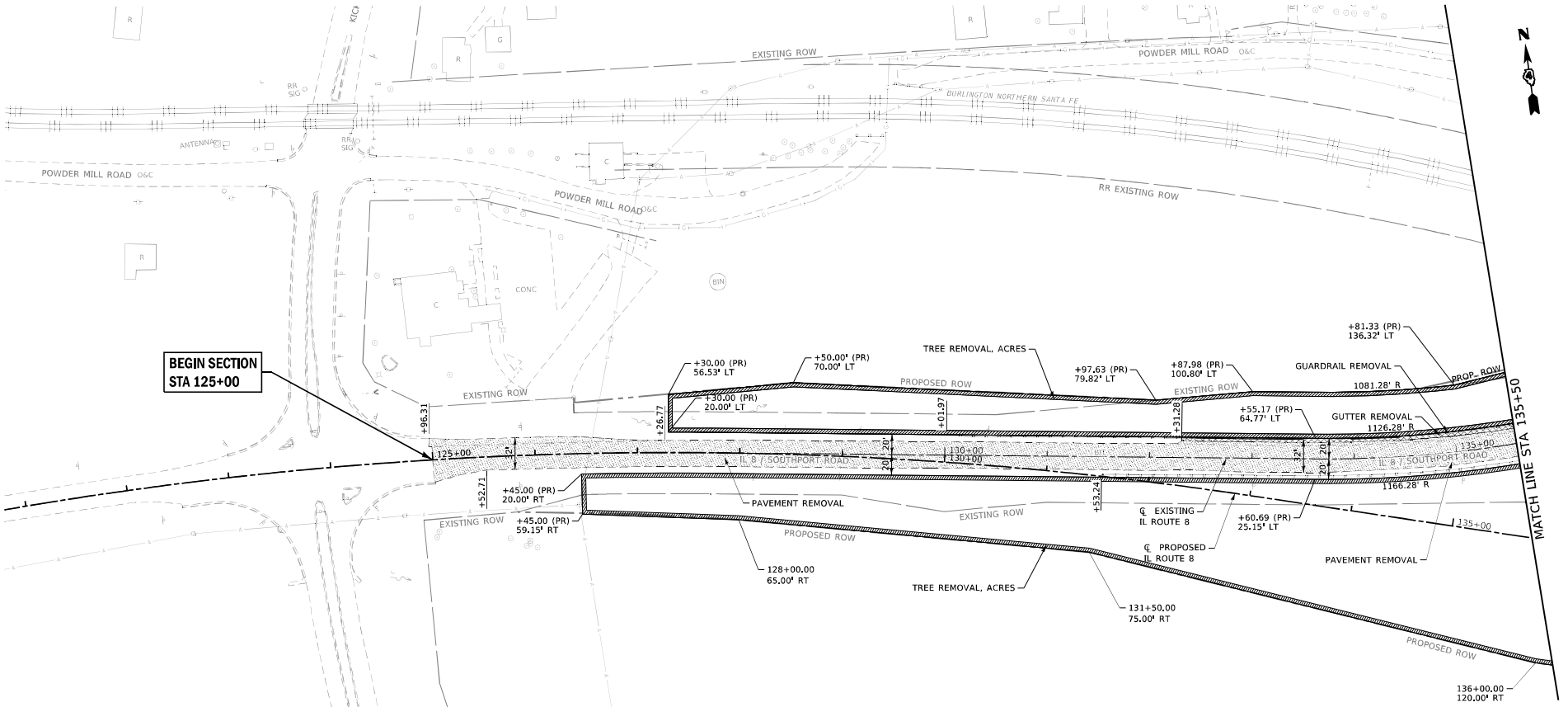
GRADING PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA 149+00 TO STA 163+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	70

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT



LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- GUTTER REMOVAL
- STRUCTURE REMOVAL
- HOT-MIX ASPHALT REMOVAL (SPECIAL)
- APPROACH SLAB REMOVAL
- TREE REMOVAL, ACRES
- RUBBLE FILL TO BE REMOVED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
- × TREE REMOVAL, EACH

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\498-0824-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-removal.dgn

LOCHMUELLER GROUP
1928 SW Bradley St, SUITE D160
Troy, IL 62294
PHONE: 618.667.1400

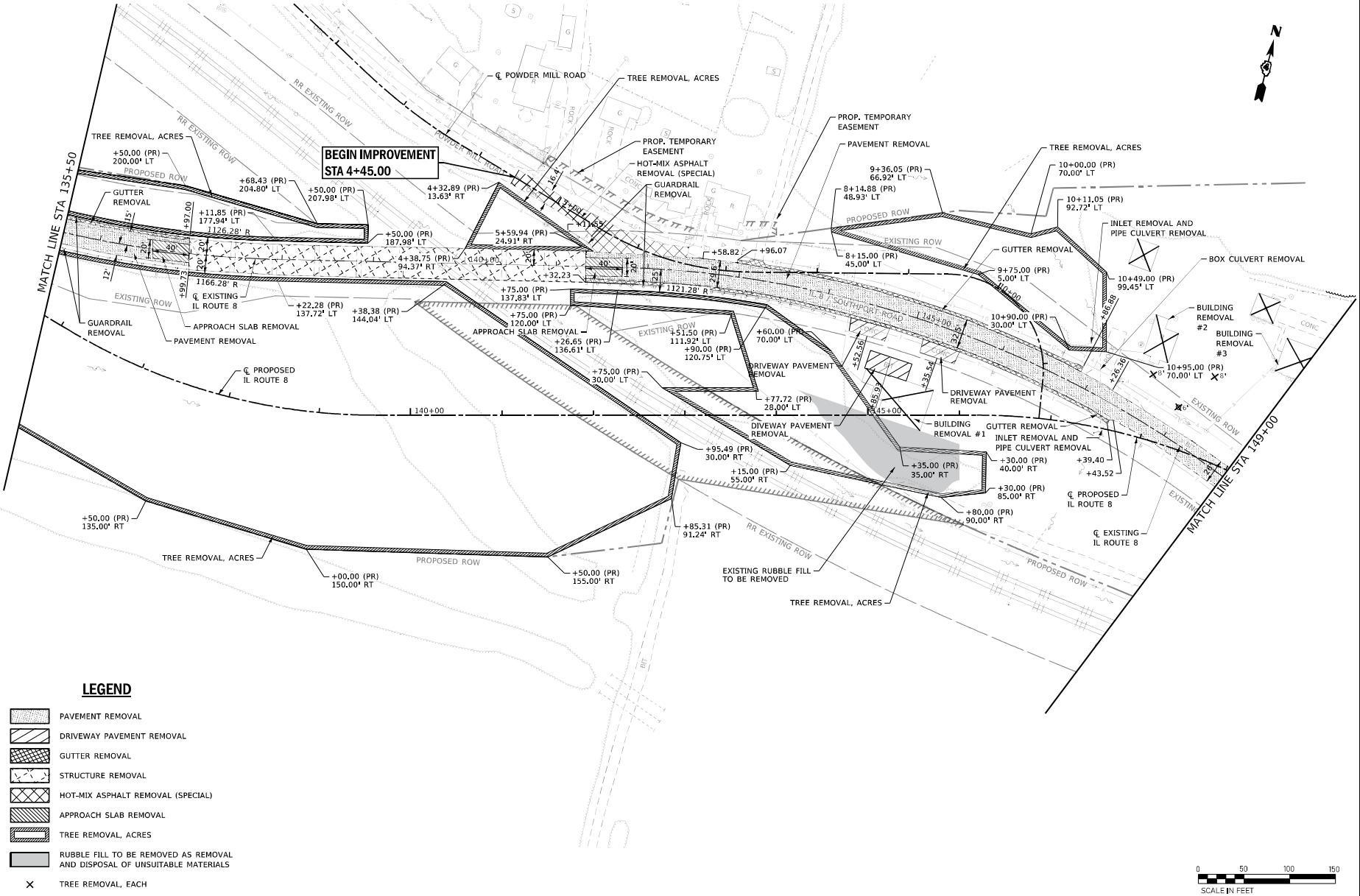
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 01 Rem	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA 121+50 TO STA 135+50

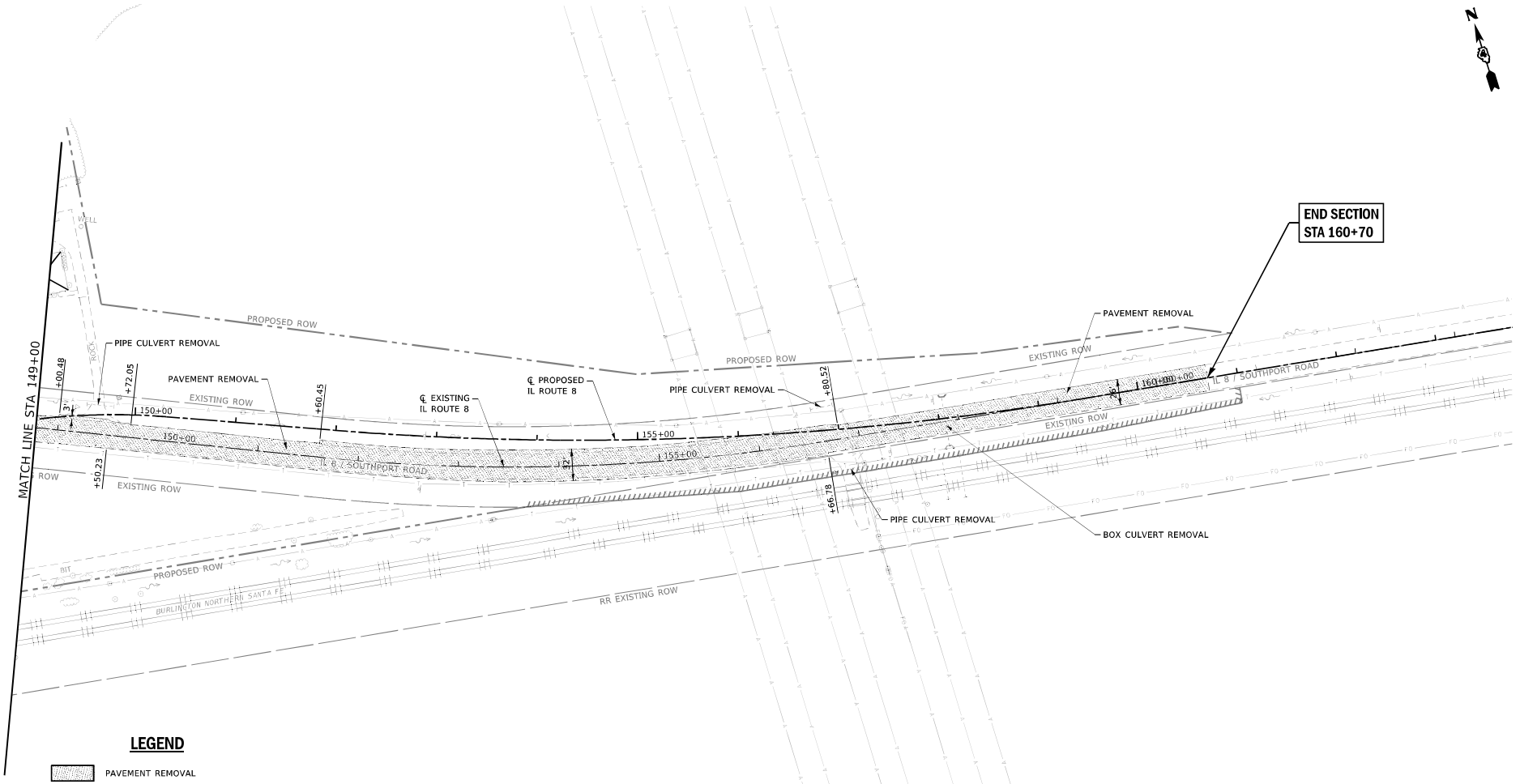
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2+1VB)BR-2	PEORIA	235	71
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



FILE NAME: S:\Projects\498-8824-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-removal.dgn

LOCHMUELLER GROUP	USER NAME = Betsy	DESIGNED - JLS	REVISED - KH (IDOT) 05/09/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN SHEETS IL ROUTE 8
	MODEL NAME = 02 Rem	DRAWN - PDB	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -		
	PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -		SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA 135+50 TO STA 149+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	72
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- GUTTER REMOVAL
- STRUCTURE REMOVAL
- HOT-MIX ASPHALT REMOVAL (SPECIAL)
- APPROACH SLAB REMOVAL
- TREE REMOVAL, ACRES
- RUBBLE FILL TO BE REMOVED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
- × TREE REMOVAL, EACH

FILE NAME: S:\Projects\488-8824-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-removal.dgn

LOCHMUELLER GROUP

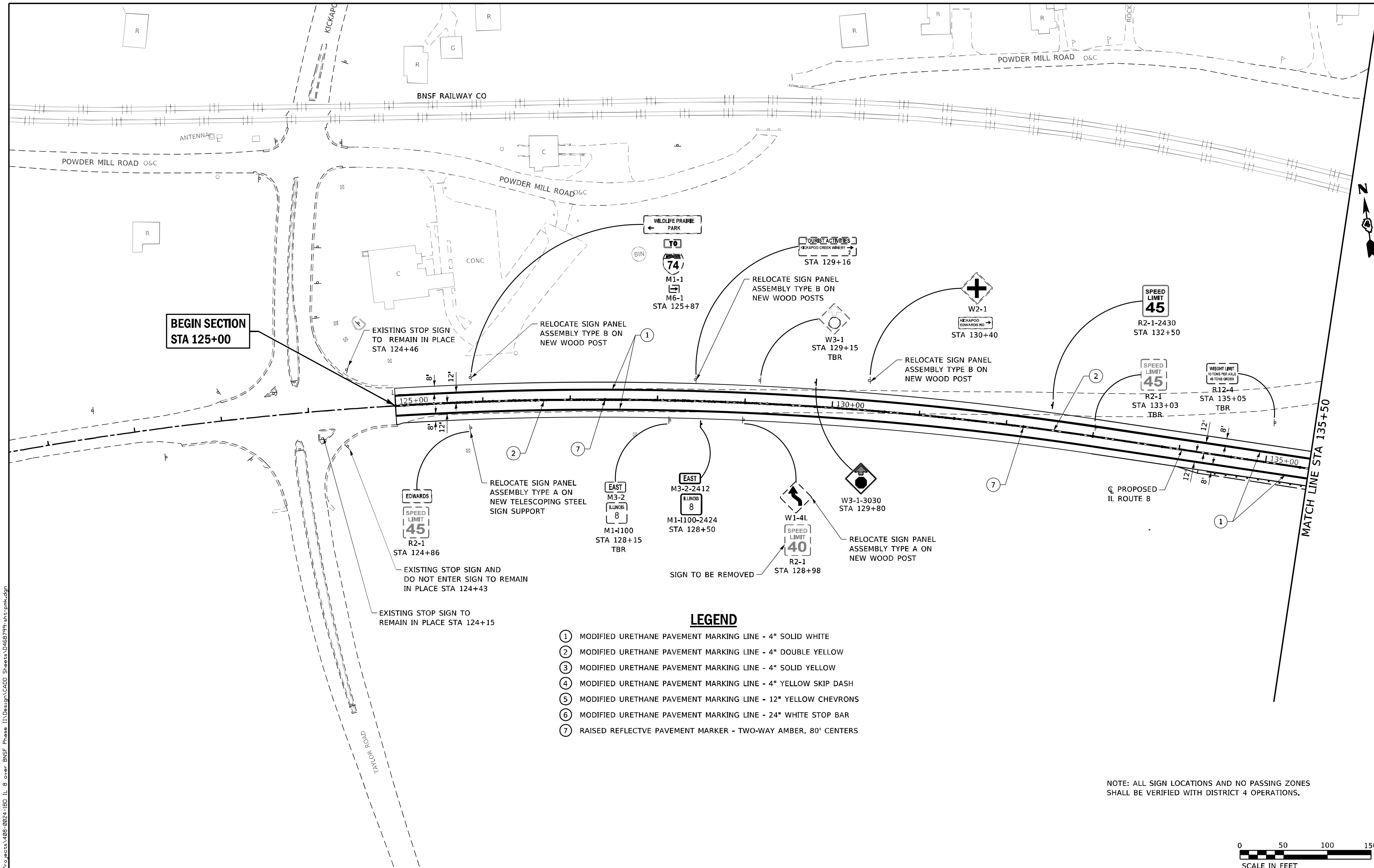
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 03 Rem	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA 149+00 TO STA 163+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2+1VB)BR-2	PEORIA	235	73
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



LEGEND

1. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE
2. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" DOUBLE YELLOW
3. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW
4. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" YELLOW SKIP DASH
5. MODIFIED URETHANE PAVEMENT MARKING LINE - 12" YELLOW CHEVRONS
6. MODIFIED URETHANE PAVEMENT MARKING LINE - 24" WHITE STOP BAR
7. RAISED REFLECTVE PAVEMENT MARKER - TWO-WAY AMBER, 80' CENTERS

NOTE: ALL SIGN LOCATIONS AND NO PASSING ZONES SHALL BE VERIFIED WITH DISTRICT 4 OPERATIONS.

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\408-0024-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-pmk.dgn

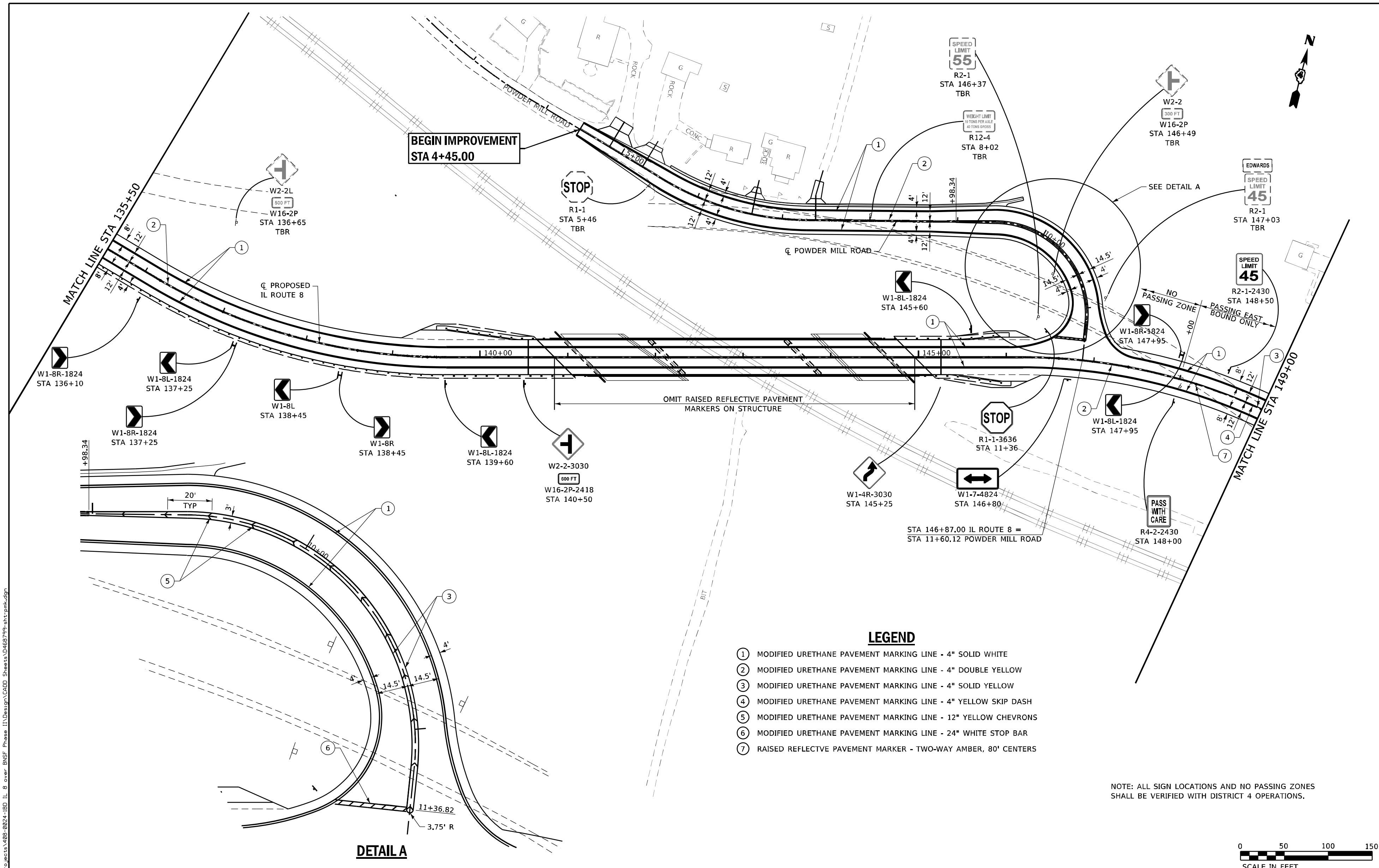
LOCHMUELLER GROUP 1928 SIA Bradley R. Smith Drive, Troy, IL 62294 PHONE: 618.667.1400	USER NAME = Betsy	DESIGNED - JLS	REVISED -
	MODEL NAME = 01 Pmk	DRAWN - PDB	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -
	PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 1 OF 4 SHEETS | STA 121+50 TO STA 135+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	74
CONTRACT NO. 68799				
ILLINOIS	FED. AID PROJECT			



LEGEND

1. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE
2. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" DOUBLE YELLOW
3. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW
4. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" YELLOW SKIP DASH
5. MODIFIED URETHANE PAVEMENT MARKING LINE - 12" YELLOW CHEVRONS
6. MODIFIED URETHANE PAVEMENT MARKING LINE - 24" WHITE STOP BAR
7. RAISED REFLECTVE PAVEMENT MARKER - TWO-WAY AMBER, 80' CENTERS

NOTE: ALL SIGN LOCATIONS AND NO PASSING ZONES SHALL BE VERIFIED WITH DISTRICT 4 OPERATIONS.

FILE NAME: S:\Projects\408-0024-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-pmk.dgn

LOCHMUELLER GROUP

USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 02 Pmk	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

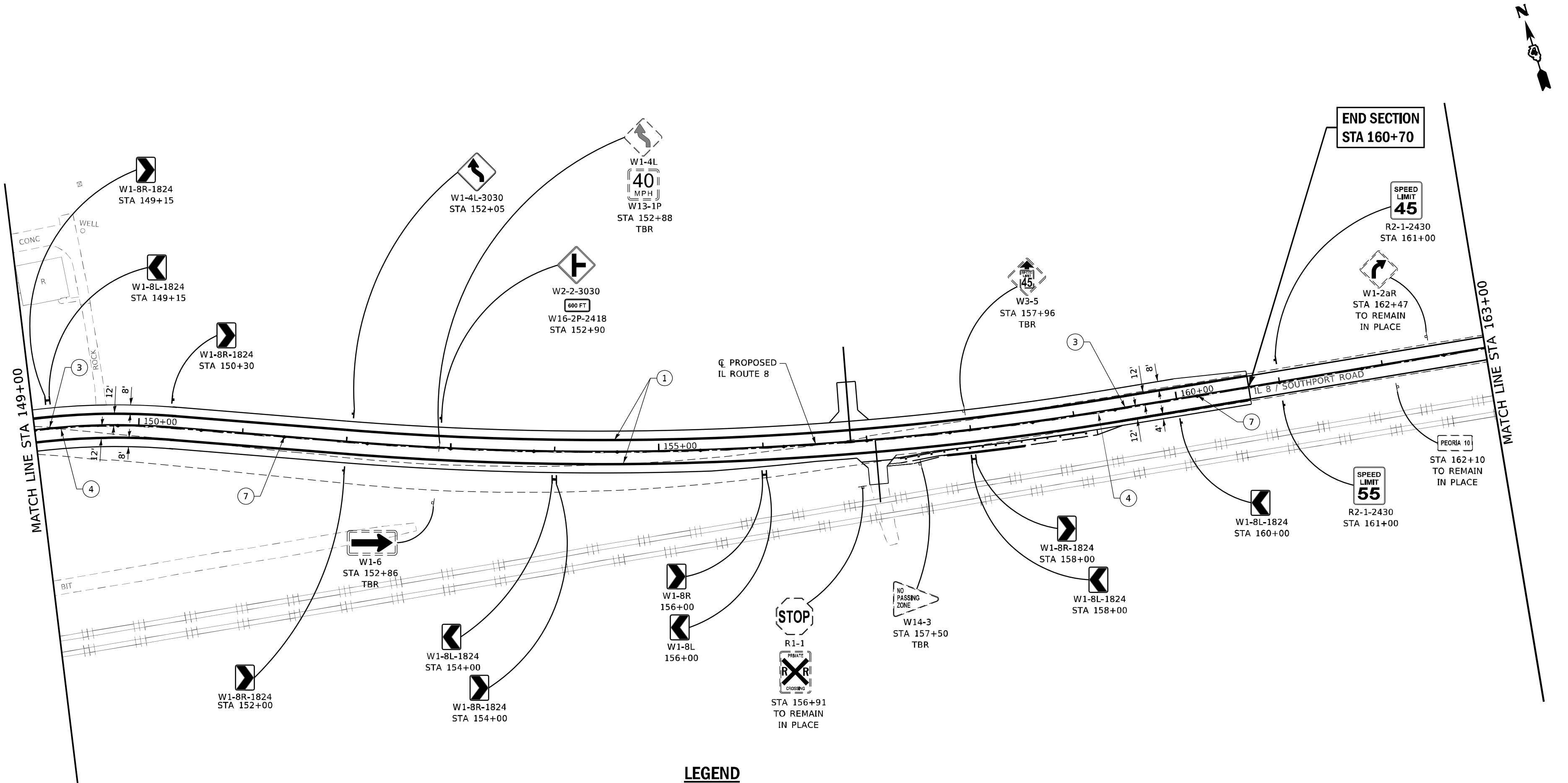
PAVEMENT MARKING AND SIGNING SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 2 OF 4 SHEETS | STA 135+50 TO STA 149+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	75

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT



LEGEND

1. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE
2. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" DOUBLE YELLOW
3. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW
4. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" YELLOW SKIP DASH
5. MODIFIED URETHANE PAVEMENT MARKING LINE - 12" YELLOW CHEVRONS
6. MODIFIED URETHANE PAVEMENT MARKING LINE - 24" WHITE STOP BAR
7. RAISED REFLECTVE PAVEMENT MARKER - TWO-WAY AMBER, 80' CENTERS

NOTE: ALL SIGN LOCATIONS AND NO PASSING ZONES SHALL BE VERIFIED WITH DISTRICT 4 OPERATIONS.

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-pmk.dgn

LOCHMUELLER GROUP

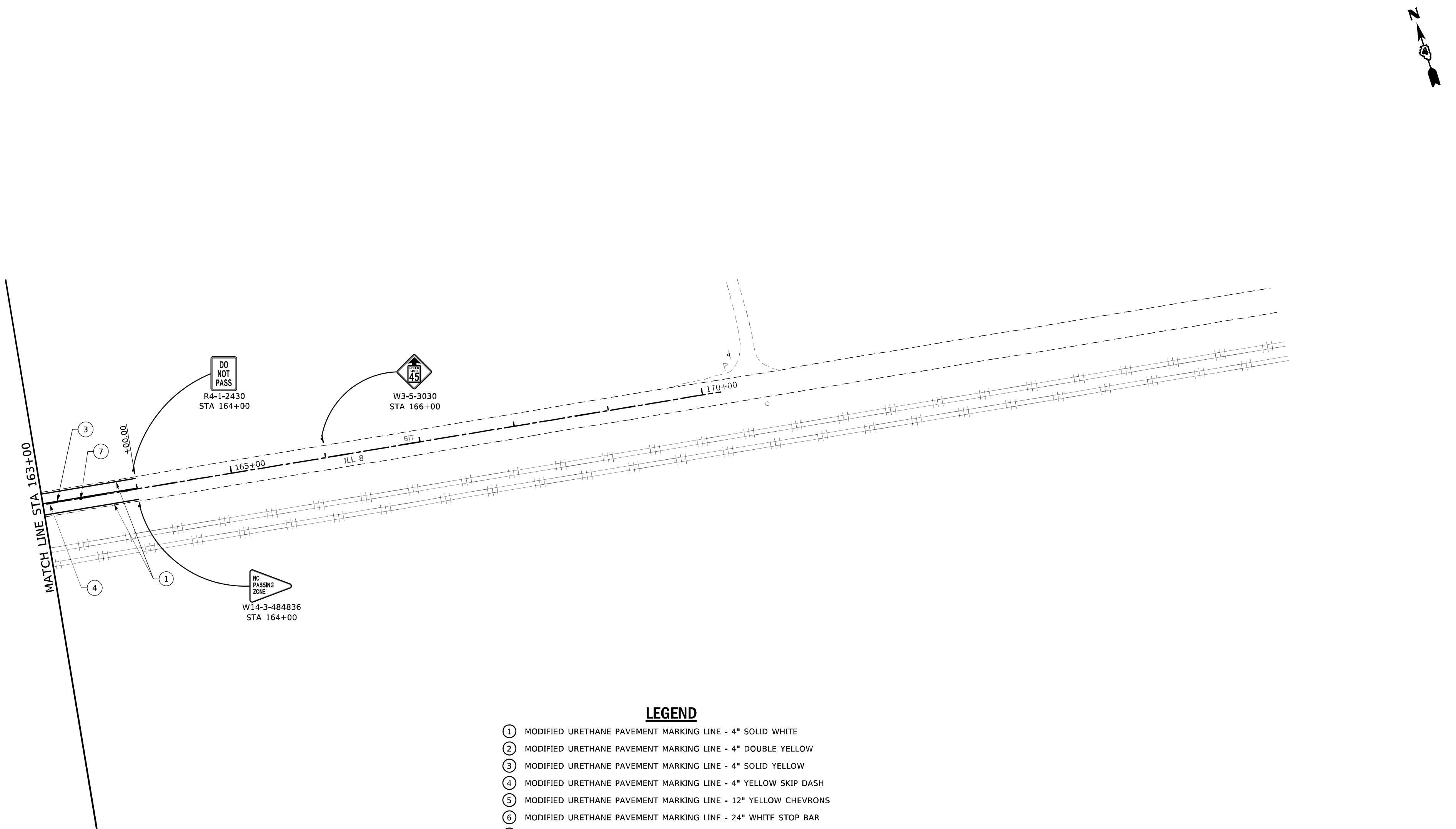
USER NAME = Betsy	DESIGNED - JLS	REVISED -	
MODEL NAME = 03 Pmk	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 3 OF 4 SHEETS | STA 149+00 TO STA 163+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	76
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	



LEGEND

1. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" SOLID WHITE
2. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" DOUBLE YELLOW
3. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" SOLID YELLOW
4. MODIFIED URETHANE PAVEMENT MARKING LINE - 4" YELLOW SKIP DASH
5. MODIFIED URETHANE PAVEMENT MARKING LINE - 12" YELLOW CHEVRONS
6. MODIFIED URETHANE PAVEMENT MARKING LINE - 24" WHITE STOP BAR
7. RAISED REFLECTVE PAVEMENT MARKER - TWO-WAY AMBER, 80' CENTERS

NOTE: ALL SIGN LOCATIONS AND NO PASSING ZONES SHALL BE VERIFIED WITH DISTRICT 4 OPERATIONS.

0 50 100 150
SCALE IN FEET

FILE NAME: S:\Projects\408-0024-1BD IL 8 over BNSF Phase II\Design\CADD Sheets\0468799-sht-pmk.dgn

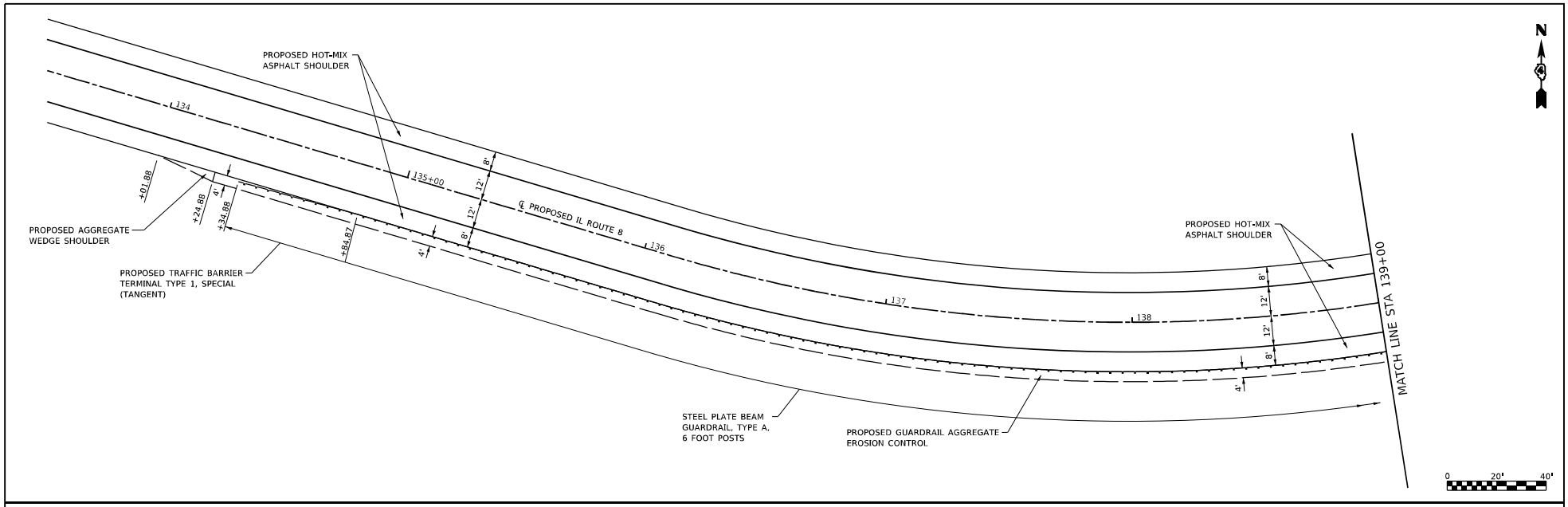
LOCHMUELLER GROUP
1928 SIA Bradley R. Smith Drive
Troy, IL 62294
PHONE: 618.667.1400

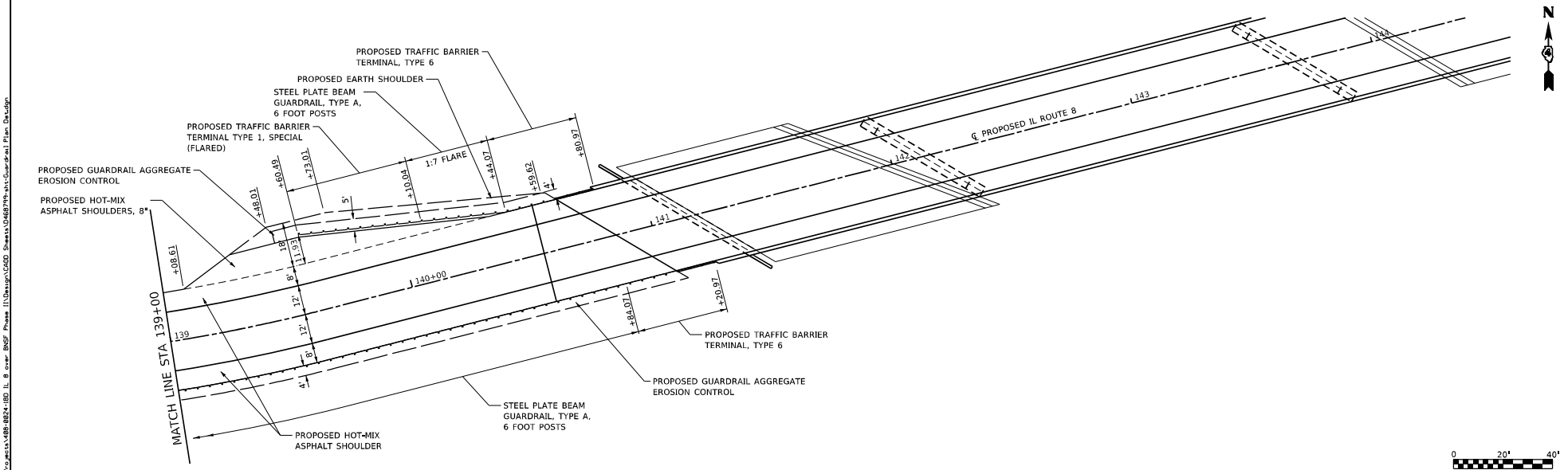
USER NAME = Betsy	DESIGNED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
MODEL NAME = 04 Pmk	DRAWN - PDB	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -	

PAVEMENT MARKING AND SIGNING SHEETS
IL ROUTE 8

SCALE: 1"=50' | SHEET 4 OF 4 SHEETS | STA 163+00 TO STA 170+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	77
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		





FILE NAME: S:\Projects\498-8824-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\D468749-sht-Guardrail Plan Design

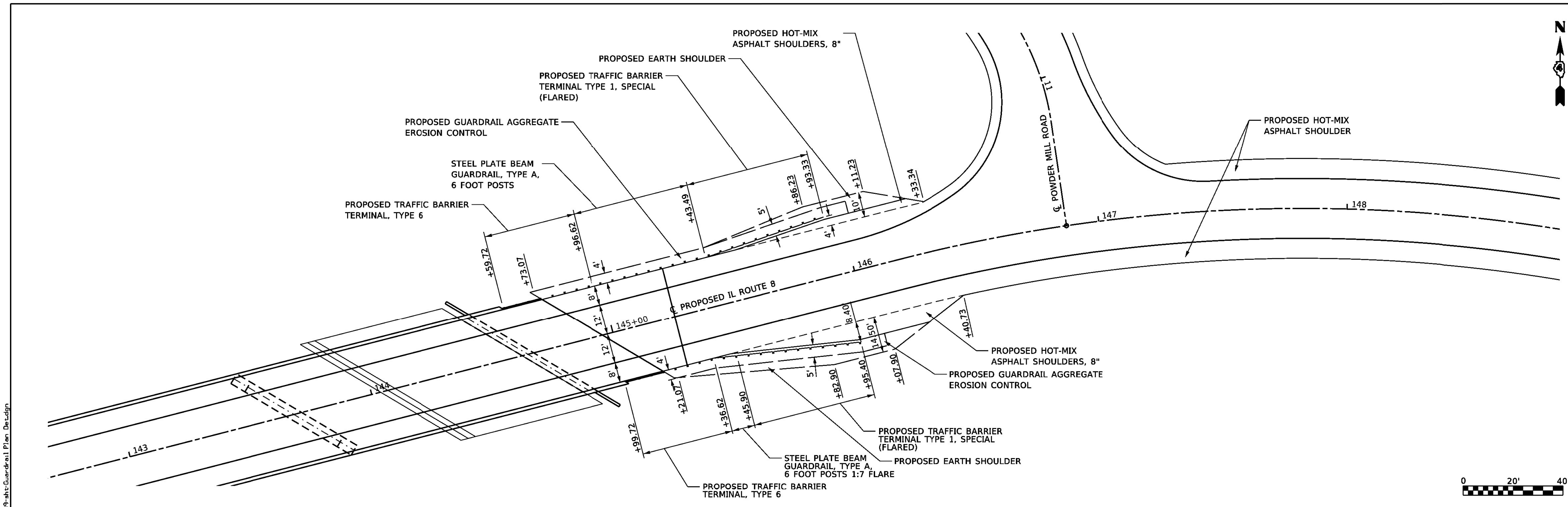
LOCHMUELLER GROUP	USER NAME = Betsy	DESIGNED - JLS	REVISED -
	MODEL NAME = 01 GRD DET	DRAWN - PDB	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - ESW	REVISED -
	PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -

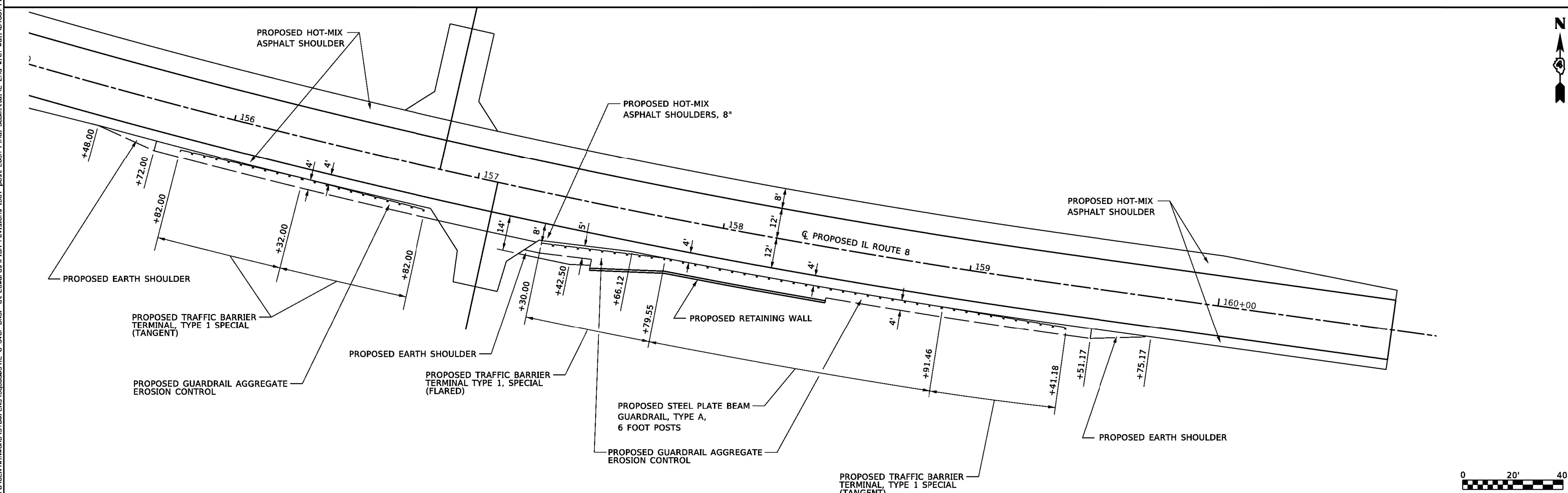
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAIL SHEETS
IL ROUTE 8

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	78
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	





FILE NAME: Q:\PD\GEN\WINWORD\STD&PLNS\Squad83\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-Guardrail Plan Det.dgn

LOCHMUELLER GROUP
1928 SW Bradley R. Smith Drive, Troy, IL 62294
PHONE: 618.667.1400

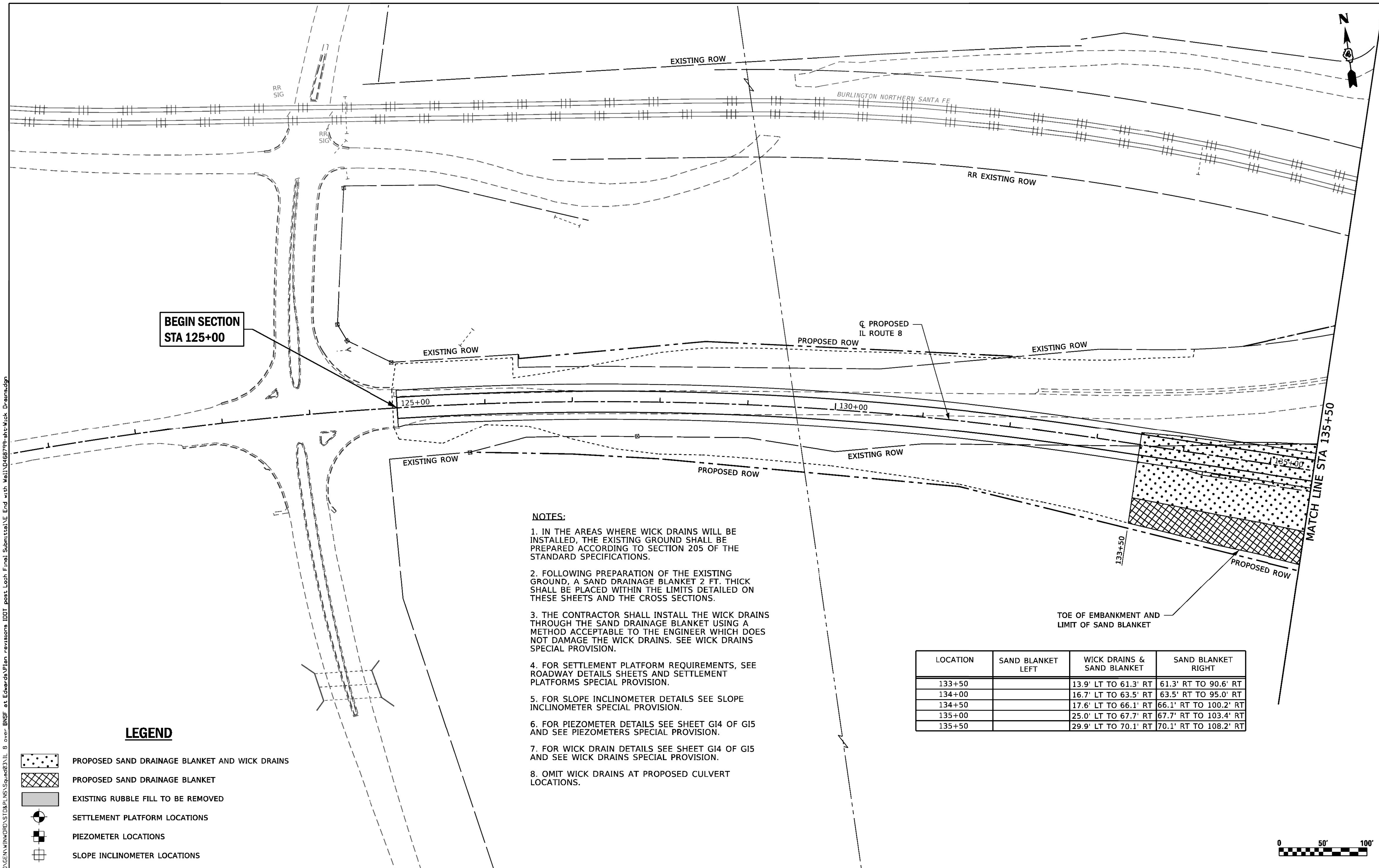
USER NAME = horstkj	DESIGNED - JLS	REVISED - K.H. (IDOT) 04/27/21	
MODEL NAME = 02 GRD DET	DRAWN - PDB	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - ESW	REVISED -	
PLOT DATE = 4/27/2021	DATE - 01-17-18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAIL SHEETS
IL ROUTE 8

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	79
		CONTRACT NO. 68799		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. IN THE AREAS WHERE WICK DRAINS WILL BE INSTALLED, THE EXISTING GROUND SHALL BE PREPARED ACCORDING TO SECTION 205 OF THE STANDARD SPECIFICATIONS.

2. FOLLOWING PREPARATION OF THE EXISTING GROUND, A SAND DRAINAGE BLANKET 2 FT. THICK SHALL BE PLACED WITHIN THE LIMITS DETAILED ON THESE SHEETS AND THE CROSS SECTIONS.

3. THE CONTRACTOR SHALL INSTALL THE WICK DRAINS THROUGH THE SAND DRAINAGE BLANKET USING A METHOD ACCEPTABLE TO THE ENGINEER WHICH DOES NOT DAMAGE THE WICK DRAINS. SEE WICK DRAINS SPECIAL PROVISION.

4. FOR SETTLEMENT PLATFORM REQUIREMENTS, SEE ROADWAY DETAILS SHEETS AND SETTLEMENT PLATFORMS SPECIAL PROVISION.

5. FOR SLOPE INCLINOMETER DETAILS SEE SLOPE INCLINOMETER SPECIAL PROVISION.

6. FOR PIEZOMETER DETAILS SEE SHEET GI4 OF GI5 AND SEE PIEZOMETERS SPECIAL PROVISION.

7. FOR WICK DRAIN DETAILS SEE SHEET GI4 OF GI5 AND SEE WICK DRAINS SPECIAL PROVISION.

8. OMIT WICK DRAINS AT PROPOSED CULVERT LOCATIONS.

LOCATION	SAND BLANKET LEFT	WICK DRAINS & SAND BLANKET	SAND BLANKET RIGHT
133+50		13.9' LT TO 61.3' RT	61.3' RT TO 90.6' RT
134+00		16.7' LT TO 63.5' RT	63.5' RT TO 95.0' RT
134+50		17.6' LT TO 66.1' RT	66.1' RT TO 100.2' RT
135+00		25.0' LT TO 67.7' RT	67.7' RT TO 103.4' RT
135+50		29.9' LT TO 70.1' RT	70.1' RT TO 108.2' RT

LEGEND

- PROPOSED SAND DRAINAGE BLANKET AND WICK DRAINS
- PROPOSED SAND DRAINAGE BLANKET
- EXISTING RUBBLE FILL TO BE REMOVED
- SETTLEMENT PLATFORM LOCATIONS
- PIEZOMETER LOCATIONS
- SLOPE INCLINOMETER LOCATIONS

FILE NAME: Q:\PD\GEN\WINWORD\STD&PLNS\Squad2\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Well\D468799-sht-Wick Drains.dgn

USER NAME = horstkj	DESIGNED -	REVISED - KH (IDOT) 06/11/21	
MODEL NAME = 01 WICK DRAINS	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/11/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

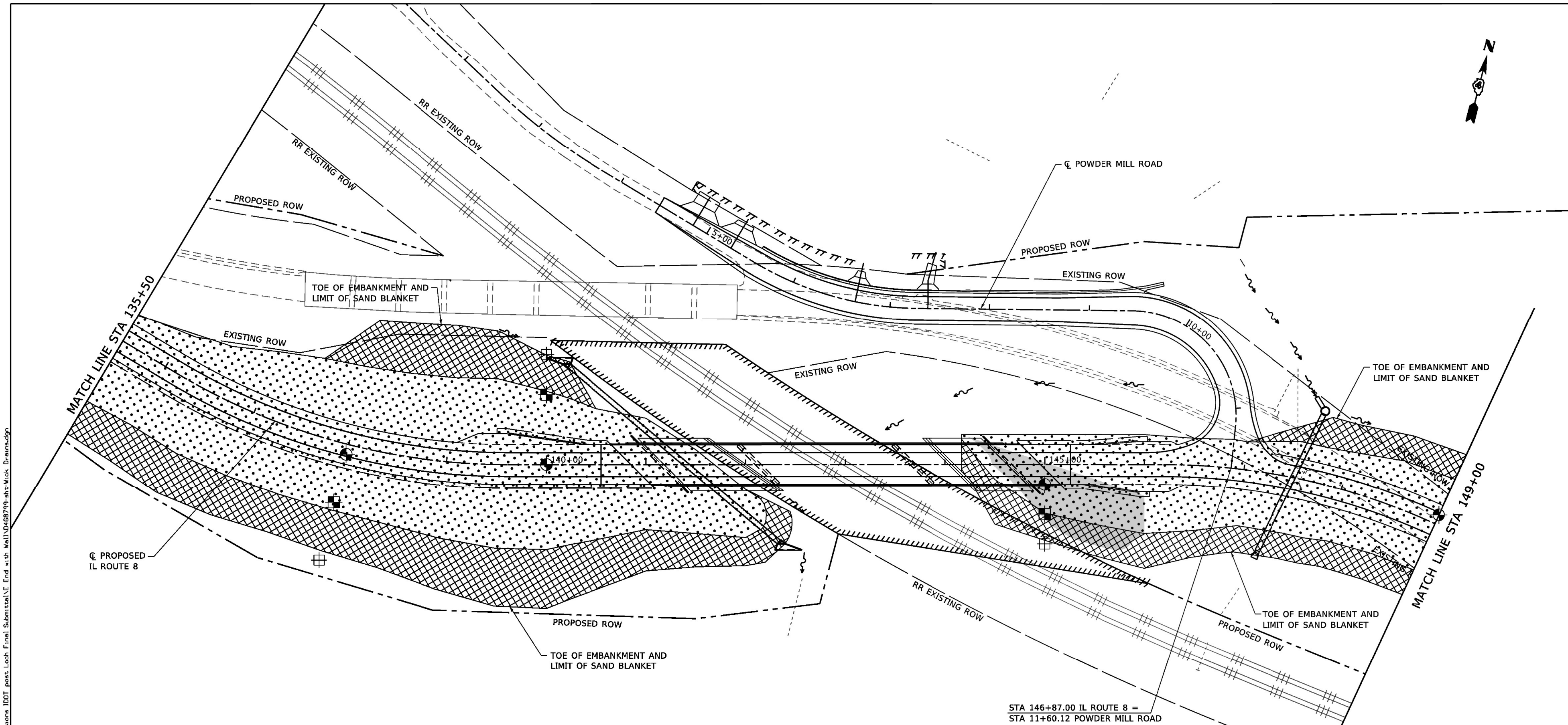
GROUND IMPROVEMENT DETAILS
IL ROUTE 8

SCALE: 1"=50' | SHEET GI1 OF GI5 SHEETS | STA 121+50 TO STA 135+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	80

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT



LOCATION	SAND BLANKET LEFT	WICK DRAINS & SAND BLANKET	SAND BLANKET RIGHT
136+00		41.1' LT TO 67.8' RT	67.8' RT TO 109.3' RT
136+50		50.6' LT TO 70.2' RT	70.2' RT TO 114.1' RT
137+00		66.1' LT TO 68.8' RT	68.8' RT TO 111.5' RT
137+50		76.0' LT TO 67.8' RT	67.8' RT TO 107.4' RT
138+00	128.1' LT TO 80.1' LT	80.1' LT TO 68.1' RT	68.1' RT TO 110.3' RT
138+50	133.7' LT TO 82.8' LT	82.8' LT TO 70.6' RT	70.6' RT TO 115.3' RT
139+00	136.8' LT TO 84.4' LT	84.4' LT TO 77.4' RT	77.4' RT TO 128.7' RT
139+50	133.4' LT TO 85.7' LT	85.7' LT TO 84.4' RT	84.4' RT TO 142.5' RT
140+00	109.3' LT TO 73.4' LT	73.4' LT TO 85.6' RT	85.6' RT TO 144.8' RT
140+22.9	102.8' LT TO 66.3' LT	66.3' LT TO 80.8' RT	80.8' RT TO 135.7' RT
140+50		55.9' LT TO 75.8' RT	75.8' RT TO 125.8' RT
141+00		46.4' LT TO 65.6' RT	65.6' RT TO 107.1' RT
141+50		15.0' LT TO 69.5' RT	69.5' RT TO 103.0' RT
142+00		25.0' RT TO 73.6' RT	73.6' RT TO 101.8' RT
142+19		34.6' RT TO 64.3' RT	64.3' RT TO 98.3' RT

LOCATION	SAND BLANKET LEFT	WICK DRAINS & SAND BLANKET	SAND BLANKET RIGHT
144+16.6		30.0' LT TO 25.6' LT	25.6' LT TO 6.9' RT
144+25		30.0' LT TO 15.0' LT	15.0' LT TO 15.0' RT
144+50		30.0' LT TO 15.0' RT	15.0' RT TO 60.1' RT
145+00		30.0' LT TO 49.0' RT	49.0' RT TO 76.4' RT
145+50		30.0' LT TO 60.4' RT	60.4' RT TO 91.9' RT
146+00		30.0' LT TO 69.5' RT	69.5' RT TO 104.5' RT
146+50		27.0' LT TO 66.0' RT	66.0' RT TO 93.0' RT
146+87		28.8' LT TO 59.7' RT	59.7' RT TO 86.0' RT
147+00		28.0' LT TO 57.0' RT	57.0' RT TO 83.7' RT
147+50	52.8' LT TO 37.0' LT	37.0' LT TO 57.0' RT	57.0' RT TO 83.0' RT
147+75	67.6' LT TO 37.0' LT	37.0' LT TO 57.0' RT	57.0' RT TO 83.0' RT
148+00	67.3' LT TO 39.0' LT	39.0' LT TO 54.0' RT	54.0' RT TO 80.7' RT
148+50	73.6' LT TO 47.0' LT	47.0' LT TO 52.0' RT	52.0' RT TO 79.6' RT

LEGEND

- PROPOSED SAND DRAINAGE BLANKET AND WICK DRAINS
- PROPOSED SAND DRAINAGE BLANKET
- EXISTING RUBBLE FILL TO BE REMOVED
- SETTLEMENT PLATFORM LOCATIONS
- PIEZOMETER LOCATIONS
- SLOPE INCLINOMETER LOCATIONS

0 50' 100'

USER NAME = horstkj	DESIGNED -	REVISED - KH (IDOT) 06/16/21	
MODEL NAME = 02 WICK DRAINS	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/16/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

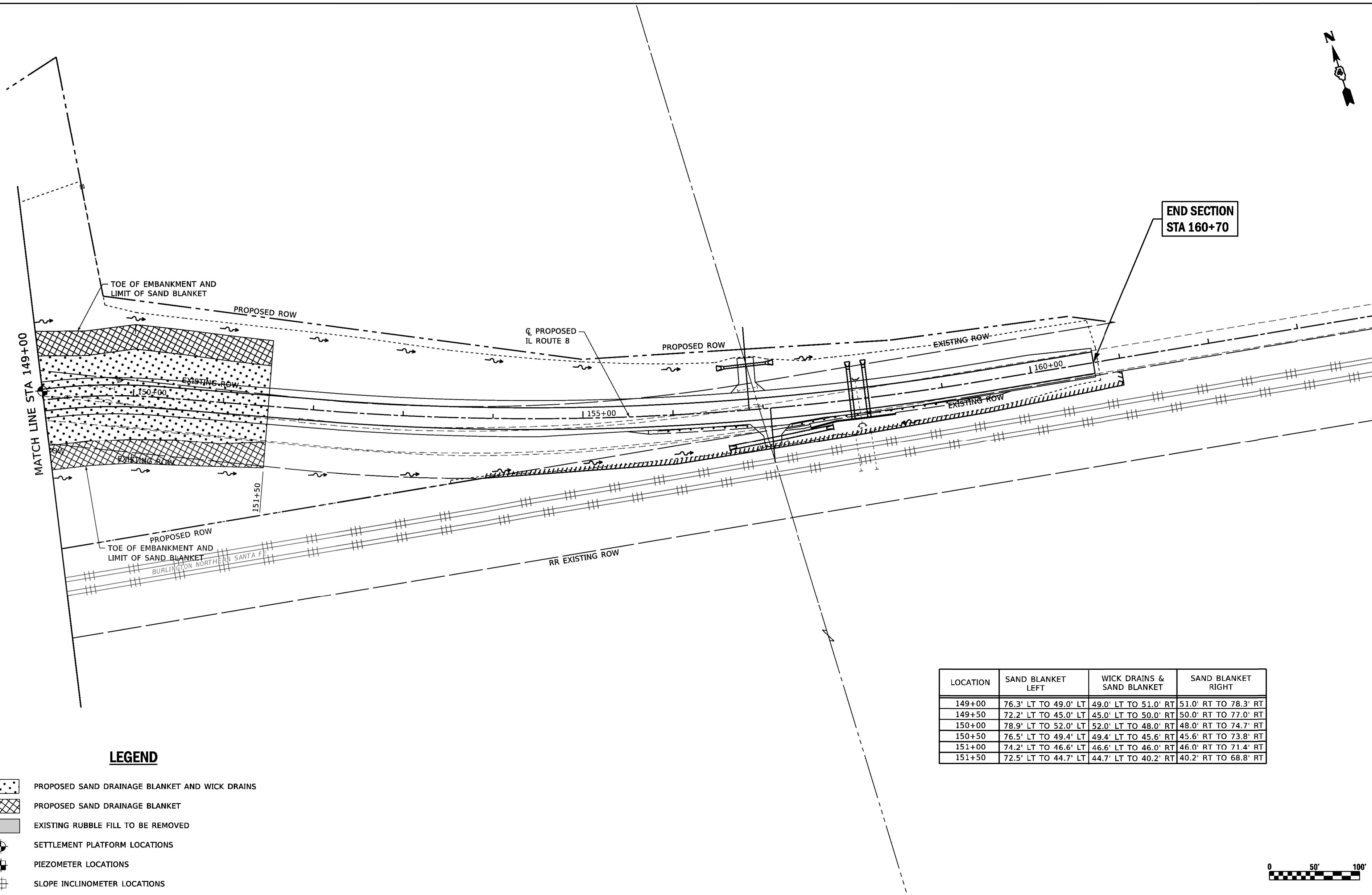
GROUND IMPROVEMENT DETAILS
IL ROUTE 8

SCALE: 1"=50' | SHEET G12 OF G15 SHEETS | STA 135+50 TO STA 149+00 WD

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	81

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT



LOCATION	SAND BLANKET LEFT	WICK DRAINS & SAND BLANKET	SAND BLANKET RIGHT
149+00	76.3' LT TO 49.0' LT	49.0' LT TO 51.0' RT	51.0' RT TO 78.3' RT
149+50	72.2' LT TO 45.0' LT	45.0' LT TO 50.0' RT	50.0' RT TO 77.0' RT
150+00	78.9' LT TO 52.0' LT	52.0' LT TO 48.0' RT	48.0' RT TO 74.7' RT
150+50	76.5' LT TO 49.4' LT	49.4' LT TO 45.6' RT	45.6' RT TO 73.8' RT
151+00	74.2' LT TO 46.6' LT	46.6' LT TO 46.0' RT	46.0' RT TO 71.4' RT
151+50	72.5' LT TO 44.7' LT	44.7' LT TO 40.2' RT	40.2' RT TO 68.8' RT

LEGEND

- PROPOSED SAND DRAINAGE BLANKET AND WICK DRAINS
- PROPOSED SAND DRAINAGE BLANKET
- EXISTING RUBBLE FILL TO BE REMOVED
- SETTLEMENT PLATFORM LOCATIONS
- PIEZOMETER LOCATIONS
- SLOPE INCLINOMETER LOCATIONS

FILE NAME: D:\PD\GEN\WINWORD\STD&PLNS\Squad23\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-Wick Drains.dgn

USER NAME = horstkj	DESIGNED -	REVISED - KH (IDOT) 06/08/21	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
MODEL NAME = 03 WICK DRAINS	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/11/2021	DATE -	REVISED -	

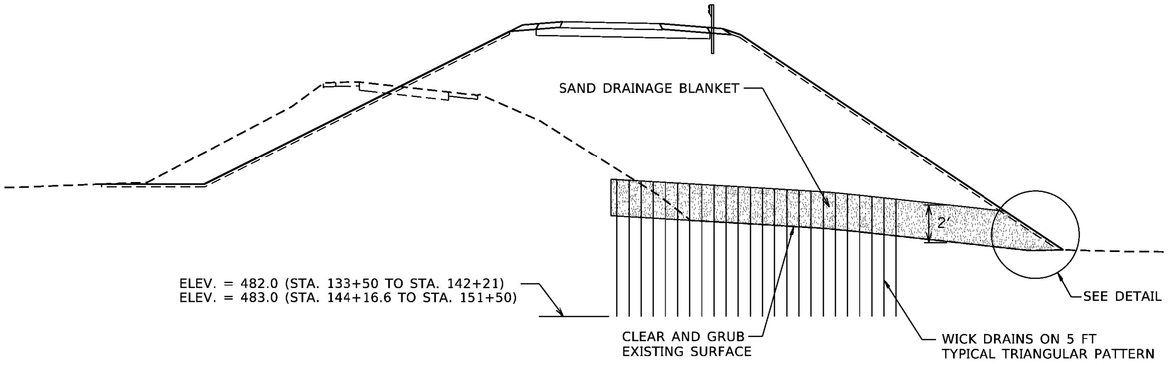
GROUND IMPROVEMENT DETAILS
IL ROUTE 8

SCALE: 1"=50' | SHEET G13 OF G15 SHEETS | STA 149+00 TO STA 163+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	82

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

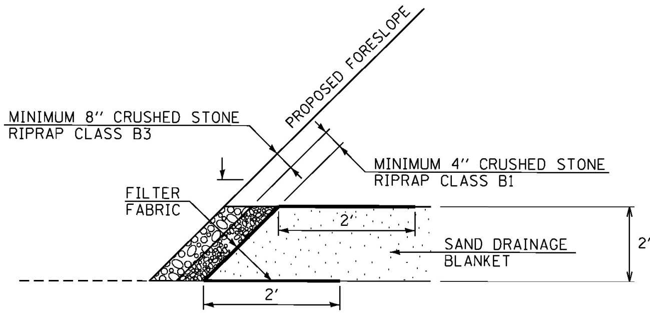


DETAIL - SAND DRAINAGE BLANKET - CROSS-SECTION

NOT TO SCALE

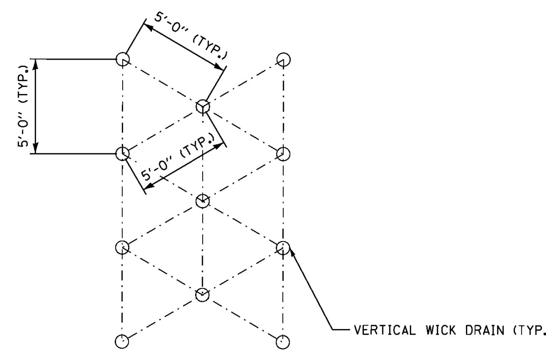
BILL OF MATERIAL

ITEM	UNIT	TOTAL
WICK DRAINS	FEET	152,890
SAND DRAINAGE BLANKET	CU YD	17,986
PIEZOMETERS	EACH	4
SLOPE INCLINOMETER	EACH	3
SETTLEMENT PLATFORMS	EACH	4



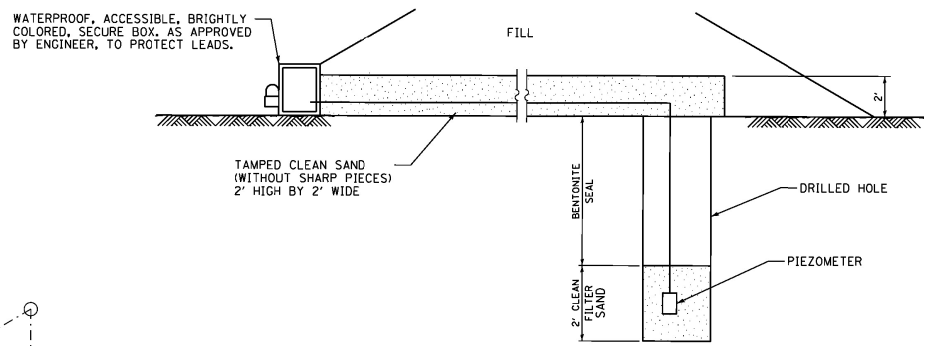
DRAINAGE BLANKET PROTECTION

(NOT TO SCALE)



WICK DRAIN PATTERN

(NOT TO SCALE)



TYPICAL PIEZOMETER INSTALLATION DETAIL

(NOT TO SCALE)

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MODEL NAME = DTL-02 Wick	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/11/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GROUND IMPROVEMENT DETAILS
IL ROUTE 8

SCALE: 1"=5' | SHEET GI4 OF GI5 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	83

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

Recommended Piezometer Locations and Data
Route FAS 1388 (IL 8), Section (Z-1VB)BR-2, Peoria County

Borings B-5 (Sta. 140+12.25), B-140ST (Sta. 140+10), B-10 (Sta. 144+85.25)

Location Number	Station	Offset	Nearest Boring	Approximate Elevation (ft.) (1)	Est. Initial Reading (psf) (2)
1a	138+00	60 ft. RT	B-5 & B-140ST	483.0	780
1b	138+00	60 ft. RT	B-4 & B-140ST	487.0	530
2	140+00	70 ft. LT	B-5 & B-140ST	485.0	624
3	145+00	50 ft. RT	B-10	483.5	718

Note 1: Piezometers should be founded in soft clay layers. See nearest boring for additional subsurface stratigraphy details.
Note 2: Based on groundwater elevation of 495.5 at Sta. 138+00, 495 ft at Sta. 140+00, and 502 ft. at Sta. 145+00.

Recommended Piezometer Maximum Allowable Readings
Route FAS 1388 (IL 8), Section (Z-1VB)BR-2, Peoria County

Borings B-5 (Sta. 140+12.25), B-140ST (Sta. 140+10), B-10 (Sta. 144+85.25)

Fill Height (ft.)	Estimated Maximum Allowable Reading (2,3)			
	Location 1a Sta. 138+00, 60 ft. RT (psf)	Location 1b Sta. 138+00, 60 ft. RT (psf)	Location 2 Sta. 140+00, 70 ft. LT (psf)	Location 3 Sta. 145+00, 50 ft. RT (psf)
0 (1)	780	530	624	718
5	1130 (Ru = 0.57)	880 (Ru = 0.54)	975 (Ru = 0.55)	1355 (Ru = 0.37)
10	1165 (Ru = 0.45)	915 (Ru = 0.41)	1010 (Ru = 0.42)	1365 (Ru = 0.33)
15	1205 (Ru = 0.37)	955 (Ru = 0.33)	1075 (Ru = 0.36)	1365 (Ru = 0.31)
20	1225 (Ru = 0.33)	975 (Ru = 0.28)	1125 (Ru = 0.32)	1365 (Ru = 0.30)
25	1225 (Ru = 0.34)	975 (Ru = 0.30)	1125 (Ru = 0.33)	1365 (Ru = 0.29)
27.3				1365 (Ru = 0.29)
30	1225 (Ru = 0.34)	975 (Ru = 0.29)	1125 (Ru = 0.33)	
35	1225 (Ru = 0.33)	975 (Ru = 0.29)	1145 (Ru = 0.33)	
36	1225 (Ru = 0.33)	975 (Ru = 0.29)		
40			1175 (Ru = 0.32)	
41.5			1185 (Ru = 0.31)	

Note 1: Estimated Initial Reading is based on the static groundwater level with respect to the piezometer depth.
Note 2: Values should maintain a minimum FOS of 1.3 using short term values.
Note 3: Ru = u/σ_v = Pore Pressure / Total Vertical Stress.

Recommended Settlement Platforms Locations
Route FAS 1388 (IL 8), Section (Z-1VB)BR-2, Peoria County

Borings B-5 (Sta. 140+12.25), B-140ST (Sta. 140+10), B-10 (Sta. 144+85.25)

Location Number	Station	Offset	Nearest Boring	Approximate Base Elevation (ft.)
1	138+00	10 to 20 ft. RT	B-5 & B-140ST	495.5
2	140+00	0 to 20 ft. RT	B-5 & B-140ST	495.0
3	145+00	20 to 30 ft. RT	B-10	506.5
4	149+00	10 to 20 ft. LT	B-14	506.5

Recommended Inclinometer Locations
Route FAS 1388 (IL 8), Section (Z-1VB)BR-2, Peoria County

Borings B-5 (Sta. 140+12.25), B-140ST (Sta. 140+10), B-10 (Sta. 144+85.25)

Location Number	Station	Offset	Nearest Boring	Approximate Base Elevation (ft.)
1	138+00	120 ft. RT	B-4, B-5 & B-140ST	469.8 (1)
2	140+00	110 ft. LT	B-5 & B-140ST	470.8 (1)
3	145+00	80 ft. RT	B-10 & B-140ST	474.2 (1)

Note 1: The inclinometer should be set a minimum of 5 ft. into the shale bedrock. The bottom elevation should be adjusted accordingly to meet this embedment depth.

FILE NAME: Q:\PD\GEN\WINWORD\STD&PLNS\Squad03\IL 8 over BNSF at Edwards\Plan revisions IDOT post Loch Final Submittal\E End with Wall\D468799-sht-Wick Drains.dgn

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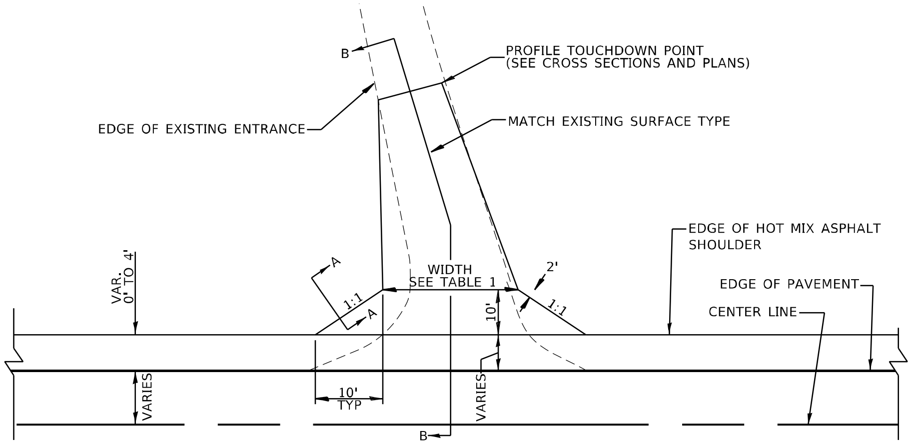
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/11/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

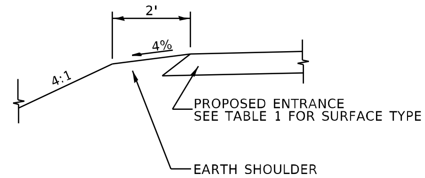
GROUND IMPROVEMENT DETAILS
IL ROUTE 8

SCALE: | SHEET G15 OF G15 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	83A
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		



PLAN
RURAL ENTRANCE

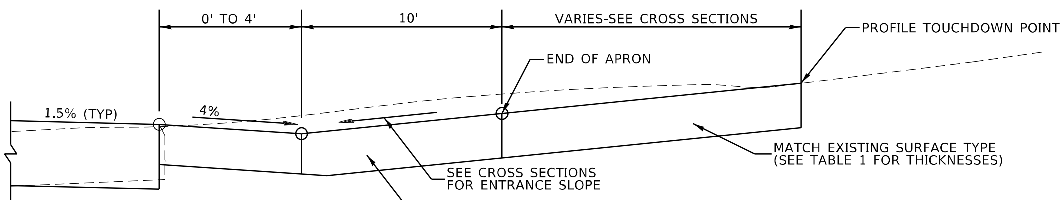


SECTION A-A
SHOULDER TREATMENT FOR RURAL ENTRANCES

TABLE 1		
RURAL ENTRANCE DESIGN		
ELEMENT	NON-COMMERCIAL	
WIDTH (W)	12' MIN.	24' MAX.
FLARE	1:1.5	
MAX. GRADE (G)	12%	
SURFACE TYPE		
INCIDENTAL HOT MIX ASPHALT SURFACING	6"	
AGGREGATE SURFACE COURSE	6"	
PCC DRIVEWAY PAVEMENT	6"	

GENERAL NOTES - RURAL ENTRANCES

1. ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR THE WIDTH OF THE SHOULDER.

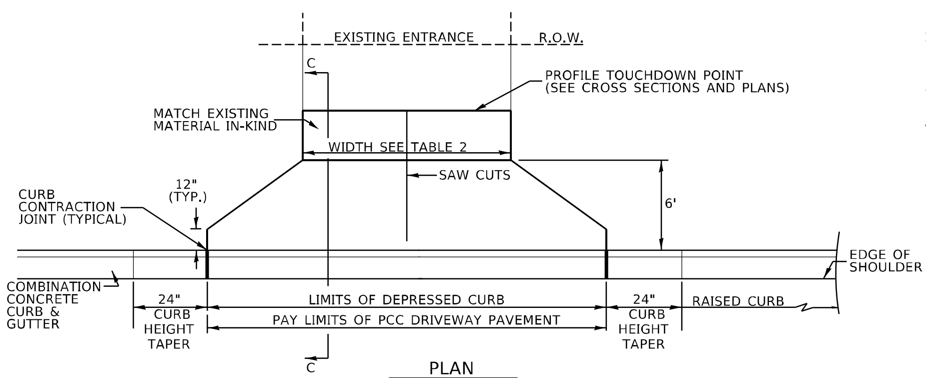


SECTION B-B
RECONSTRUCTED RURAL ENTRANCE
(EXISTING ENTRANCE HIGHER THAN APRON)

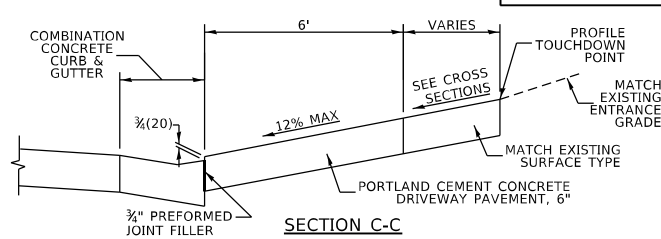
GENERAL NOTES - URBAN ENTRANCE

1. COMBINATION CONCRETE CURB & GUTTER SHALL BE DEPRESSED IN ACCORDANCE WITH STANDARD 606001.
2. COMBINATION CONCRETE CURB & GUTTER WILL BE MEASURED FOR PAYMENT AS SPECIFIED IN ARTICLE 606.13 OF THE STANDARD SPECIFICATIONS.
3. COMBINATION CONCRETE CURB & GUTTER CONSTRUCTION JOINTS WILL BE AS SHOWN ON STANDARD 606001.
4. EXCEPTIONS TO THE RADIUS FLARE/PROPERTY LINE RELATIONSHIP ARE AS SHOWN IN THE PLANS FOR COMMON ENTRANCES, WITH JOINTLY EXECUTED ACCESS PERMITS.

TABLE 2		
URBAN ENTRANCE DESIGN CONTROLS		
ELEMENT	NON-COMMERCIAL	
WIDTH (W)	12' MIN.	24' MAX.
RADIUS EQUIVALENT 1:1 FLARE (F)	5' MIN.	25' MAX.
MAX. GRADE (G)	12%	



PLAN
URBAN ENTRANCE



SECTION C-C

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

FILE NAME: S:\Projects\408-0024-IBD IL 8 over BNSF Phase II\Design\CADD Sheets\04687799-sht-Details.dgn

LOCHMUELLER GROUP

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MODEL NAME = DTL-01 Ent	DRAWN - PDB	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - ESW	REVISED -
PLOT DATE = 8/22/2019	DATE - 01-17-18	REVISED -

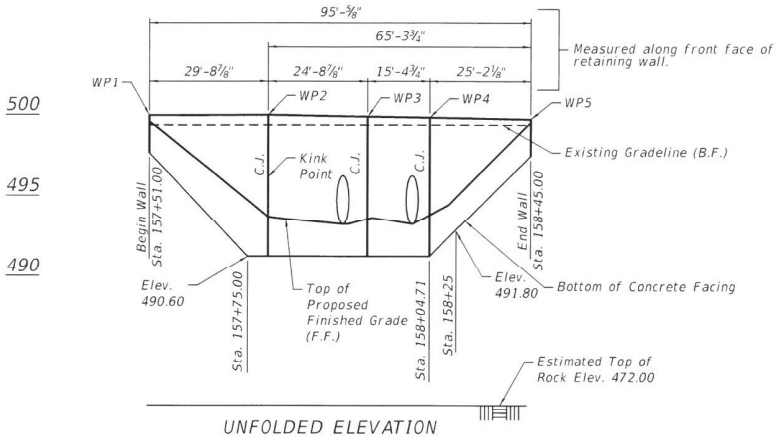
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE DETAILS
POWDER MILL ROAD

SCALE: 1"=5' SHEET 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	84
		CONTRACT NO. 68799		

ILLINOIS FED. AID PROJECT



UNFOLDED ELEVATION

(Looking at F.F of wall)
Vertical scale exaggerated 4x for clarity

C.J. = Construction Joint

WORK POINT TABLE

WP No.	℄ Segment	Offset in Feet	Top of C.I.P Wall Elev.	Bott. of C.I.P Wall Elev.
1	157+51.00	26.62 Rt.	499.34	496.80
2	157+80.15	22.00 Rt.	499.36	490.60
3	158+04.71	22.00 Rt.	499.26	490.60
4	158+20.00	22.00 Rt.	499.21	490.60
5	158+45.00	22.00 Rt.	499.11	496.50

Note: All offsets are to front face of wall.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	76
Furnishing Soldier Piles, (W Section)	Foot	477
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	1898
Drilling and Setting Soldier Piles (In Rock)	Cu. Ft.	442
Concrete Structures	Cu. Yd.	20.8
Geocomposite Wall Drain	Sq. Yd.	37
Reinforcement bars, Epoxy Coated	Pound	3300
Untreated Timber Lagging	Sq. Ft.	508
Stud Shear Connectors	Each	113

INDEX OF SHEETS

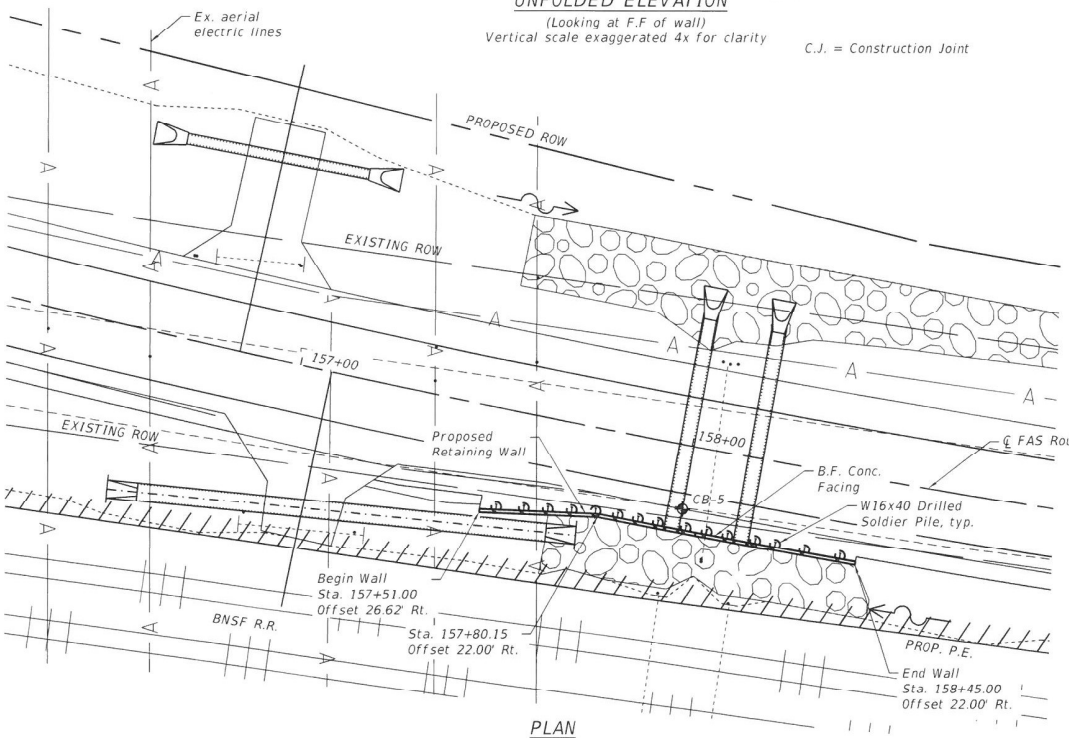
DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

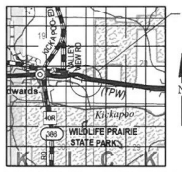
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (Soldier Piles)
AASHTO M270 Grade 36



PLAN



LOCATION SKETCH

MARY COOMBE BLOXDORF 4859 SPRINGFIELD LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS

ILLINOIS STRUCTURAL NO. 4859
EXPIRES 11/30/22
DATE: 12/09/2020

GENERAL PLAN AND ELEVATION
RETAINING WALL
IL. ROUTE 8 (SOUTHPORT RD.)
F.A.S. 1388 - SEC. (Z-1VB)BR-2
PEORIA COUNTY
STATION 157+51 TO 158+45

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 184-003525	USER NAME = mbloxdorf	DESIGNED - MCB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 8 RETAINING WALL STA. 158+51 TO STA. 158+45 GENERAL PLAN
		CHECKED - RJM	REVISED -		
	PLOT SCALE = 30:0.000000 '=' / in.	DRAWN - RJM/CFC	REVISED -		
	PLOT DATE = 12/9/2020	CHECKED - MCB	REVISED -		SHEET 1 OF 6 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	84A
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		

FEHR GRAHAM PROJECT NUMBER: 15-1016L

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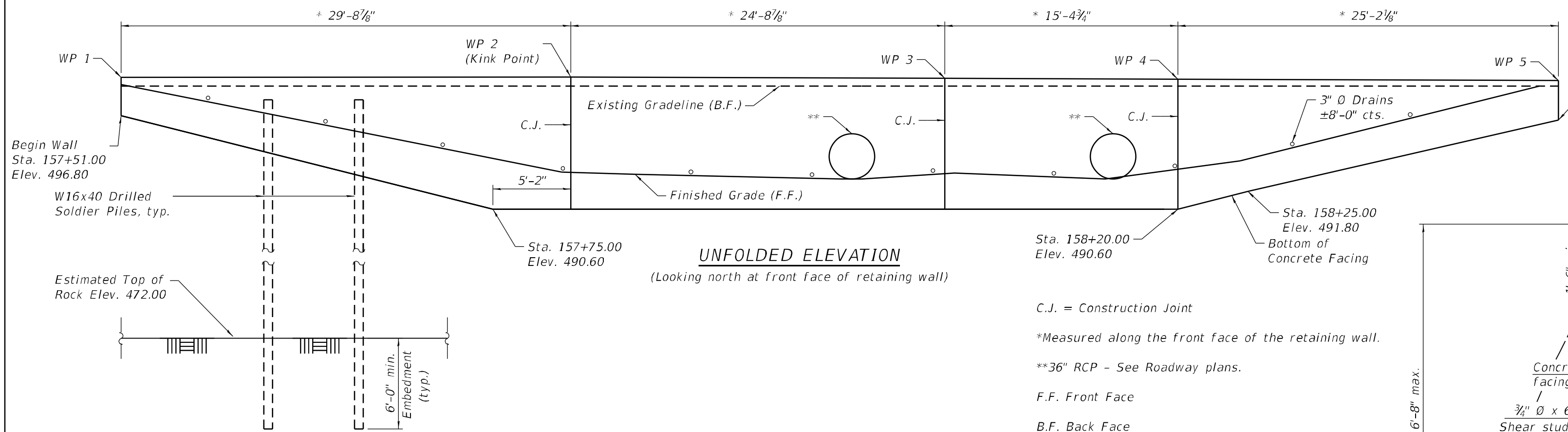


UNFOLDED ELEVATION

(Looking north at front face of retaining wall)

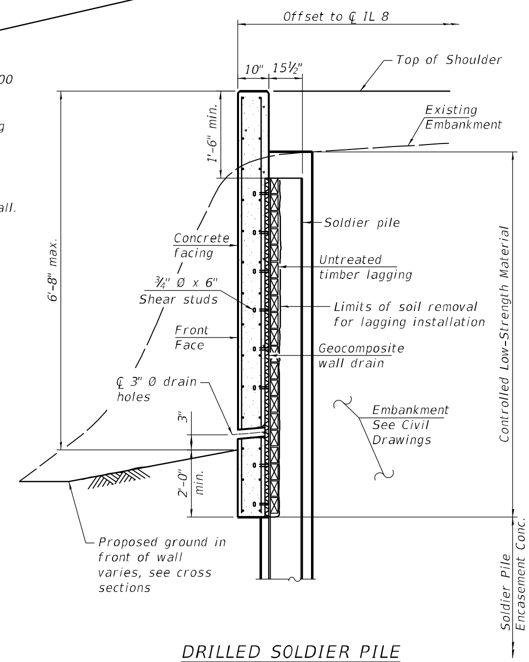
C.J. = Construction Joint

*Measured along the front face of the retaining wall.

**36" RCP - See Roadway plans.

F.F. Front Face

B.F. Back Face



DRILLED SOLDIER PILE TYPICAL WALL SECTION

(Looking Downstation)

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. The Contractor is responsible for the design and performance of the lagging using no less than a 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
3. Offsets are to CL piles.
4. Pile lengths are based on minimum embedment below estimated rock elevation of 472.00. If rock elevation is found to be below 471.50, contact the Engineer before setting soldier piles.
5. Structure Excavation is measured 2'-0" from front face of wall to back of drilled shaft timber lagging.
6. Wall to be built along straight chords between workpoints.

SEQUENCE OF CONSTRUCTION

1. Drill shaft excavation for Soldier Piles to the elevation shown on the plans and set soldier piles in excavation.
2. Place soldier pile encasement concrete to the bottom of facing elevation at each pile location. Place Controlled Low Strength Material (CLSM) to the elevation of the existing ground or top of pile, whichever is lower at the front flange at each pile location.
3. Excavate in front of the wall to the bottom of the CIP facing by placing timber lagging downward.
4. Once the embankment behind the wall is complete the cast in place facing shall be installed.

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	PLOT DATE = 12/9/2020	CHECKED - MCB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & TYPICAL SECTIONS

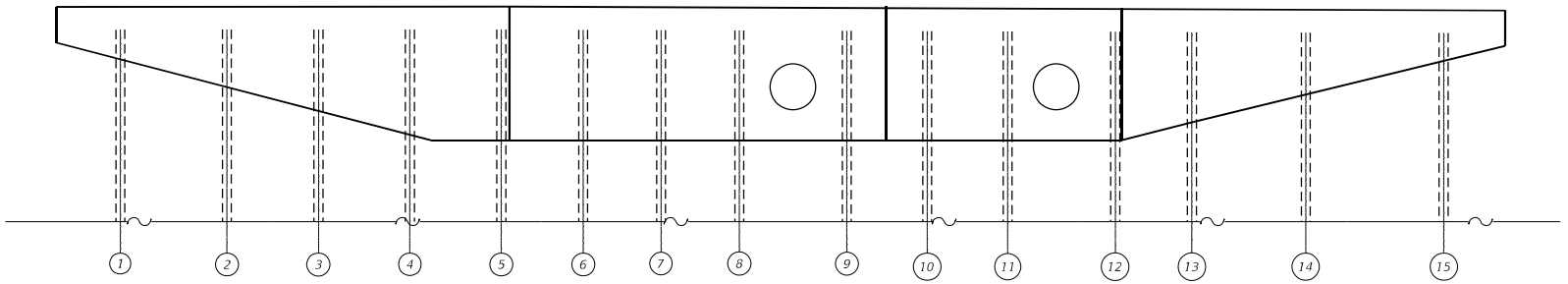
SHEET 2 OF 6 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	848
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		

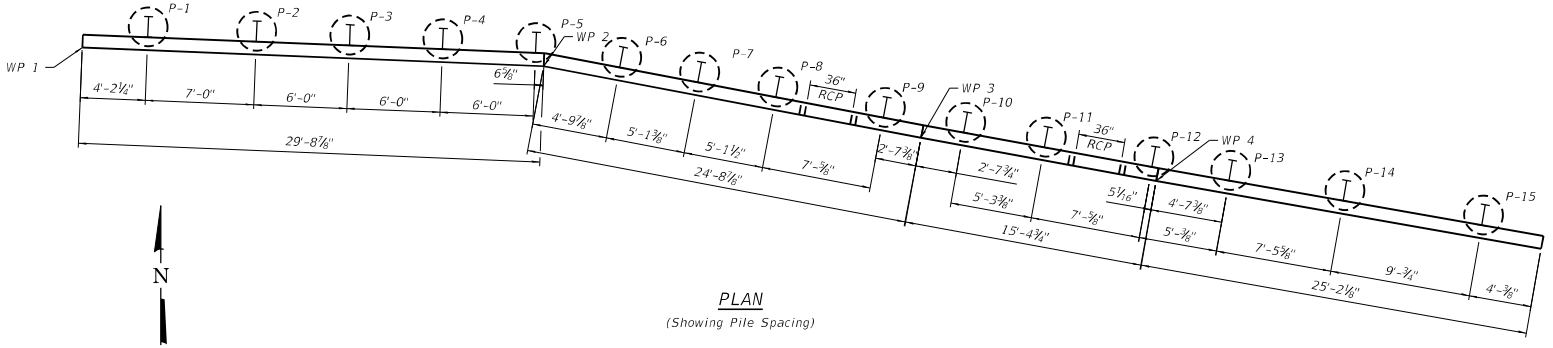
FEHR GRAHAM PROJECT NUMBER: 15-1016L

PILE SCHEDULE

Soldier Pile No.	Size	Station	Offset	Top of Pile Elevation	Bottom of Pile Elevation	Pile Length	No. of Studs Per Pile
1	W16x40	157+54.86	24.47	497.84	466.00	31.75	4
2	W16x40	157+61.72	23.37	497.84	466.00	31.75	6
3	W16x40	157+67.60	22.43	497.85	466.00	31.75	8
4	W16x40	157+73.49	21.51	497.85	466.00	31.75	9
5	W16x40	157+79.38	20.60	497.86	466.00	31.75	9
6	W16x40	157+84.94	20.48	497.84	466.00	31.75	9
7	W16x40	157+90.02	20.48	497.82	466.00	31.75	9
8	W16x40	157+95.11	20.48	497.80	466.00	31.75	9
9	W16x40	158+02.11	20.49	497.78	466.00	31.75	9
10	W16x40	158+07.34	20.49	497.76	466.00	31.75	9
11	W16x40	158+12.58	20.49	497.74	466.00	31.75	9
12	W16x40	158+19.58	20.50	497.71	466.00	31.75	8
13	W16x40	158+24.58	20.48	497.69	466.00	31.75	7
14	W16x40	158+32.00	20.47	497.66	466.00	31.75	5
15	W16x40	158+41.00	20.49	497.63	466.00	31.75	3



ELEVATION
(Looking north at F.F. of wall)



PLAN
(Showing Pile Spacing)

MODEL: Default
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FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 184-003525	USER NAME = mbloxdorf	DESIGNED - MCB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOLDIER PILE LAYOUT
		CHECKED - RJM	REVISED -		
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	PLOT DATE = 12/9/2020	CHECKED - MCB	REVISED -		

FEHR GRAHAM PROJECT NUMBER: 15-1016L

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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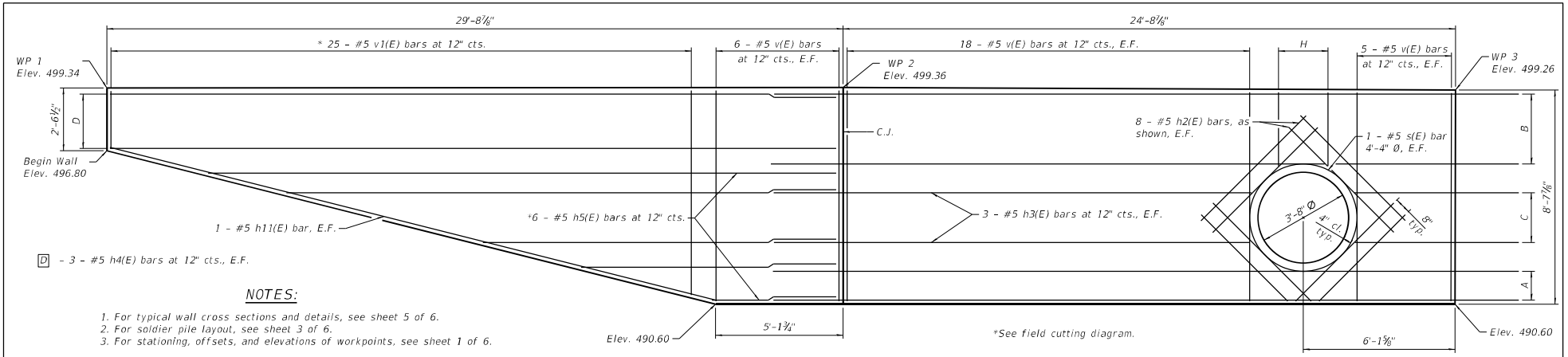
		CONTRACT NO. 68799		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. For typical wall cross sections and details, see sheet 5 of 6.
2. For soldier pile layout, see sheet 3 of 6.
3. For stationing, offsets, and elevations of workpoints, see sheet 1 of 6.

ELEVATION

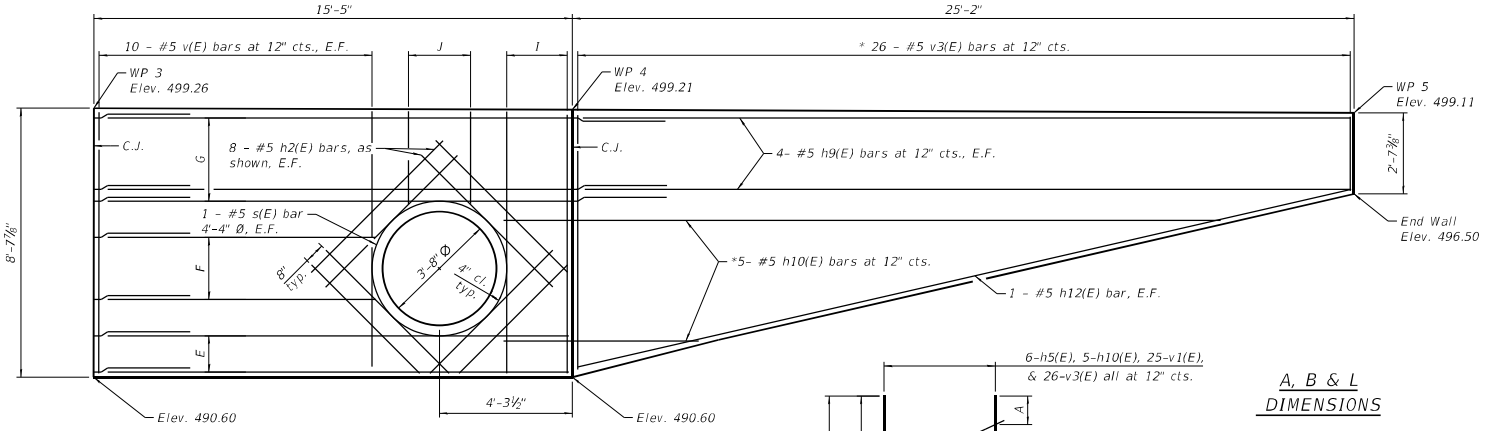
(looking north, showing reinforcement)

LEGEND:

C.J. = Construction Joint
E.F. = Each Face

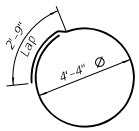
[A] - 3 - #5 h(E) bars at 12" cts., E.F.
[B] - 4 - #5 h(E) bars at 12" cts., E.F.
[C] - 3 - #5 h11(E) bars at 12" cts., E.F.
[H] - 3 - #5 v2(E) bars at 12" cts., E.F.

[E] - 3 - #5 h6(E) bars at 12" cts., E.F.
[F] - 3 - #5 h7(E) bars at 12" cts., E.F.
[G] - 4 - #5 h8(E) bars at 12" cts., E.F.
[I] - 3 - #5 v(E) bars at 12" cts., E.F.
[J] - 3 - #5 v2(E) bars at 12" cts., E.F.



ELEVATION

(looking north, showing reinforcement)



BAR s(E)

FIELD CUTTING DIAGRAM

Order h5(E), h10(E), v1(E) and v3(E) full length. Cut as shown and use remainder of bars in opposite face of wall.

A, B & L DIMENSIONS

Bar	A	B	L
h5(E)	5'-2"	25'-4"	30'-6"
h10(E)	6'-0"	22'-9"	28'-9"
v1(E)	2'-3"	8'-2"	10'-5"
v3(E)	2'-3"	8'-3"	10'-6"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	14	#5	28'-3"	—
h1(E)	6	#5	4'-2"	—
h2(E)	32	#5	6'-0"	—
h3(E)	6	#5	20'-4"	—
h4(E)	6	#5	29'-5"	—
h5(E)	6	#5	30'-6"	—
h6(E)	6	#5	15'-2"	—
h7(E)	6	#5	9'-0"	—
h8(E)	8	#5	19'-0"	—
h9(E)	8	#5	24'-10"	—
h10(E)	5	#5	28'-9"	—
h11(E)	2	#5	25'-3"	—
h12(E)	2	#5	25'-6"	—
v(E)	84	#5	8'-3"	—
v1(E)	25	#5	10'-5"	—
v2(E)	12	#5	3'-0"	—
v3(E)	26	#5	10'-6"	—
s(E)	4	#5	16'-5"	O
Concrete Structures			Cu. Yd.	20.8
Reinforcement Bars, Epoxy Coated			Pound	3300

MIN. BAR LAP

#5 BARS = 3'-7" (Horizontal)

MODEL: Default
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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525
FEHR GRAHAM PROJECT NUMBER: 15-1016L

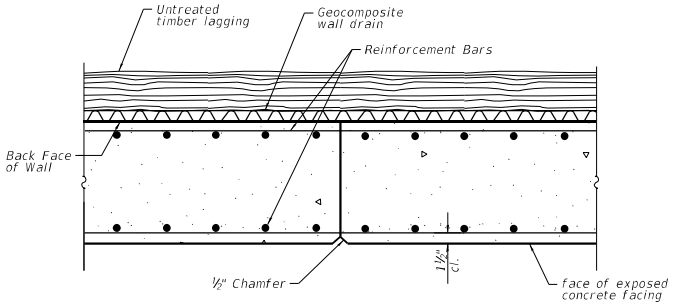
USER NAME = mbloxdorf	DESIGNED - RJM	REVISED -	
	CHECKED - MCB	REVISED -	
PLOT SCALE = 4:0.000000 ':' / in.	DRAWN - RJM	REVISED -	
PLOT DATE = 12/9/2020	CHECKED - MCB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE FACING

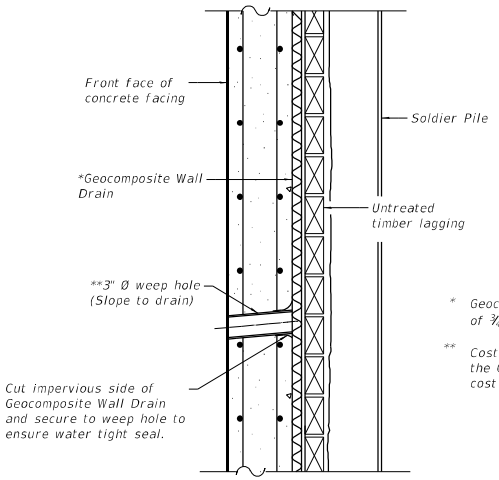
SHEET 4 OF 6 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(7-1VB)BR-2	PEORIA	235	84D
		CONTRACT NO. 68799		
	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION JOINT DETAIL

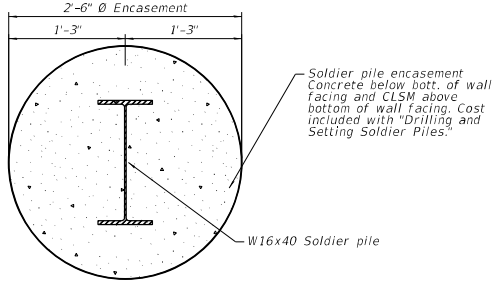
Reinforcement to pass thru joint



* Geocomposite Wall Drain not to exceed thickness of ¾".

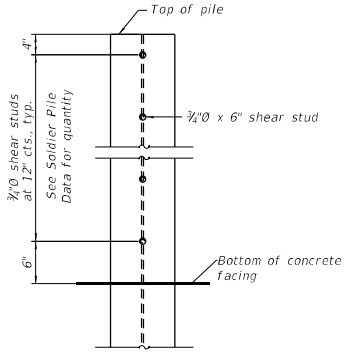
** Cost of the weep hole drain and connection to the Geocomposite Wall Drain are included in the cost of Concrete Structures.

WEEP HOLE DRAIN DETAIL

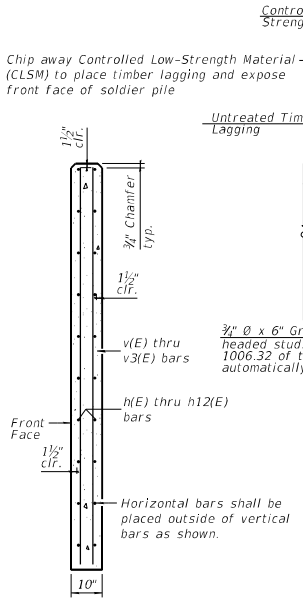


SECTION THRU SOLDIER PILE

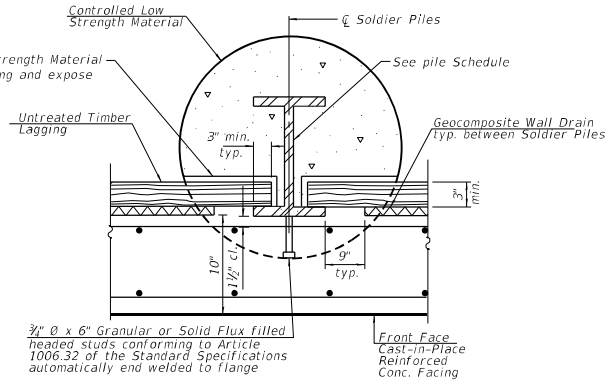
Typical at Soldier Piles



SHEAR STUD DETAIL



SECTION THRU FACING



PLAN

(at pile)

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FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 184-003525	USER NAME = mbloxdorf	DESIGNED - RJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WALL DETAILS
		CHECKED - MCB	REVISED -		
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	PLOT DATE = 12/9/2020	CHECKED - MCB	REVISED -		SHEET 5 OF 6 SHEETS

FEHR GRAHAM PROJECT NUMBER: 15-1016

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(7-1VB)BR-2	PEORIA	235	84E
		CONTRACT NO. 68799		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 1

Date 8/15/18

ROUTE Ilinois Route 8 (F.A.S. 1388) **DESCRIPTION** Culvert - IL 8 over BNSF Railroad **LOGGED BY** KEG

SECTION (Z-1VB)BR-2 **LOCATION** Peoria, Illinois

COUNTY Peoria **DRILLING METHOD** HSA **HAMMER TYPE** Automatic

STRUCT. NO. TBD
Station 157+98.6/158+16.09

BORING NO. CB-5
Station 158+00
Offset 16.00ft RT
Ground Surface Elev. 498.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 473.4 ft ▼
Upon Completion 481.4 ft ▽
After **Hrs.** ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILT: Brown, trace gravel, dense					
			4		
			6	0.8	21
	495.90		18	S	
CLAYEY SILT: Brown					
			2		
			2	0.5	20
		-5	5	B	
			ST	1.5	23
				B	
	489.40		3		
CLAY: Gray, trace gravel, very soft			3	1.2	21
		-10	4	S	
			1		
			2	0.3	34
			1	B	
becomes gray and brown with trace sand					
			2		
			1	0.1	26
		-15	2	B	
			1		
	▽		2		34
			1		
			2		
			1		25
		-20	2		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY: Gray, trace gravel, very soft *(continued)*					
			3		
			2		17
			2		
			3		
			3	0.4	19
	473.40 ▼	-25	6	B	
SAND: Gray					
	471.90		8		
SHALE: Gray, very dense			50/5"	4.6	17
				S	
with gray sand					
			32		
			50/4"	3.4	17
		-30		S	
			50/5"		
				1.7	19
		-35		S	
wiht trace sand and gravel					
			19		
Sampler Refusal in Shale	459.00		50/4"	2.0	16
		-40		S	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

MODEL: Default
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FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

USER NAME = mbloxdorf	DESIGNED - RJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED - MCB	REVISED -	
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PLOT DATE = 12/9/2020	CHECKED - MCB	REVISED -	

FEHR GRAHAM PROJECT NUMBER: 15-1016L

BORING LOGS

SHEET 6 OF 6 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	84F

CONTRACT NO. 68799

ILLINOIS FED. AID PROJECT

Benchmark: Chiseled square on the top/back of curb at N.E. corner of SN 072-0049. Elev. 535.468.

Existing Structure: SN 072-0049 was built in 1936 as SA Route 11, Section Z-1-V-B and Z-1-V-C and Reconstructed in 1981 as F.A.S. Route 384, Section (Z-1V)BR-1. The structure consists of five approach spans to the west, one main span truss and two approach spans to the east. The approach spans are continuous steel wide flange I-beams with a 7½ inch composite reinforced concrete slab. The main span truss is a through-truss consisting of riveted connections and a stringer floor beam system. The spans measure 47'-1½", 46', 46', 46', 46'-4½", 112'-3", 46'-4½", and 47'-1½" respectively. The out-to-out width is 34'-0" with a 29'-0" bidirectional roadway, 4'-3" sidewalk, and 9" curb. The back-to-back of abutments length is 437'-3". The abutments are reinforced concrete spill throughs supported on spread footings. The piers consist of multi-column piers supported by concrete footings. All substructure units are supported by timber piles except for the east abutment, pier 6, and pier 7. The proposed structure will be on a new alignment. During Stage 1, traffic will be maintained on the existing structure and construction of the proposed structure will be initiated on a new alignment. During Stage 2, IL Route 8 will be closed and traffic detoured. The existing structure will then be removed and construction of the proposed structure completed. Upon completion of Stage 2, IL Route 8 will be reopened to traffic on the newly constructed roadway and structure.

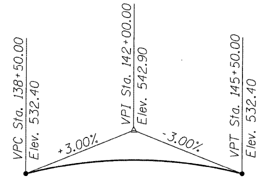
No Salvage.

STATION 142+72.94
BUILT 20__ BY
STATE OF ILLINOIS
F.A.S. ROUTE 1388
SECTION (Z-1VB)BR-2
LOADING HL-93
STRUCTURE NO. 072-0248

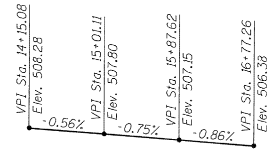
NAME PLATE
(See Std. 515001)

TOP OF RAIL ELEVATIONS
(Taken where Rail intersects ℄ IL Route 8)

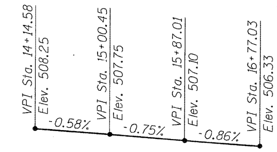
Rail	Sta.	Elev.
South Rail of South Track	15+26.04	507.61
North Rail of South Track	15+33.68	507.50
South Rail of North Track	15+51.32	506.18
North Rail of North Track	15+61.00	506.13



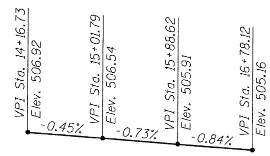
PROFILE GRADE
(Relocated F.A.S. 1388)



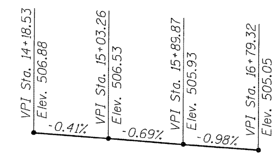
BNSF SOUTH TRACK PROFILE GRADE
(Top of rail along South rail)



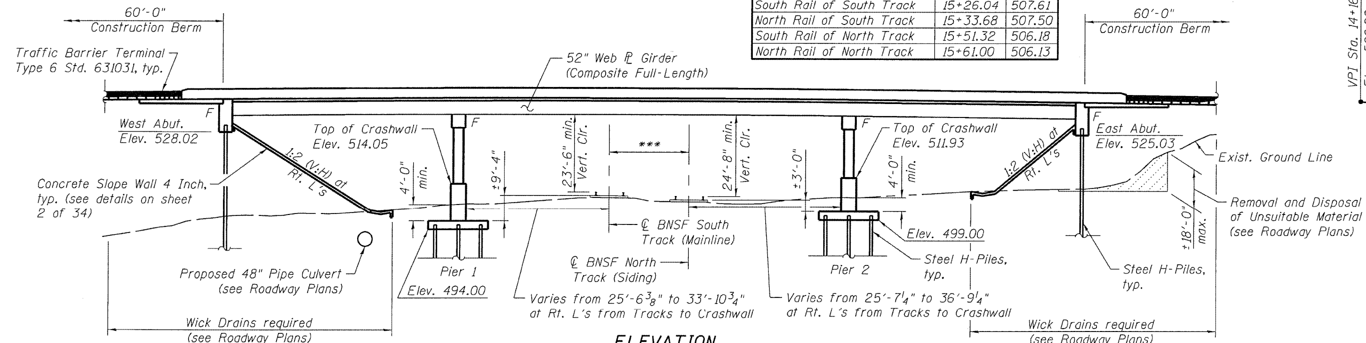
BNSF SOUTH TRACK PROFILE GRADE
(Top of rail along North rail)



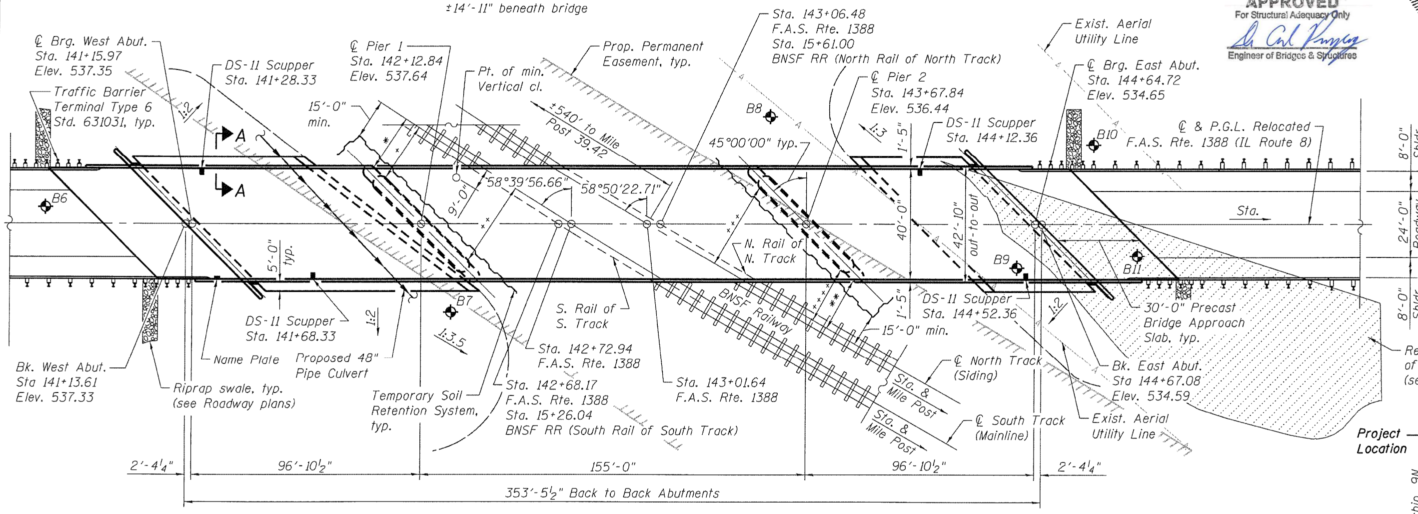
BNSF NORTH TRACK PROFILE GRADE
(Top of rail along South rail)



BNSF NORTH TRACK PROFILE GRADE
(Top of rail along North rail)



ELEVATION



PLAN

* ±24'-7" from ℄ Tracks to Pier Cap at Rt. L's to Tracks
** ±24'-3" from ℄ Tracks to Pier Cap at Rt. L's to Tracks
\+ 25'-6⅜" from ℄ Tracks to face of Pier Crashwall at Rt. L's to Tracks
\+\+ 33'-10¾" from ℄ Tracks to face of Pier Crashwall at Rt. L's to Tracks
\+\+\+ 36'-9¼" from ℄ Tracks to face of Pier Crashwall at Rt. L's to Tracks
\+\+\+\+ 25'-7¼" from ℄ Tracks to face of Pier Crashwall at Rt. L's to Tracks

Notes:
See sheet 2 of 34 for Section A-A.
See sheets 3 & 4 of 34 for location of existing structure to be removed.
No freefall deck drains will be permitted in the span over the tracks or within 10 ft. of cross arms of a railroad pole line.

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

RONALD E. BREVILLE
081-005711
LICENSED STRUCTURAL ENGINEER
ST. LOUIS MO
STATE OF ILLINOIS

22 Aug 2019
EXP: 30 NOV 2020

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

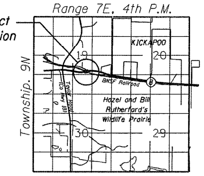
DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
f'c = 4,000 psi (Superstructure Concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

PRECAST UNITS
f'c = 6,000 psi
fy = 60,000 psi (Reinforcement)

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.110
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.171
Soil Site Class = D

STATION EQUATIONS
Sta. 15+26.04 (South Rail of South Track)
= Sta. 15+25.56 (North Rail of South Track)
Sta. 15+61.00 (North Rail of North Track)
= Sta. 15+59.59 (South Rail of North Track)

BNSF RR LOCATION IDENTIFICATION
(at ℄ IL Route 8)
Mile Post 39.520
40°44'41.84"N 89°44'33.27"W



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 8 OVER BNSF RR
F.A.S. 1388 SEC. (Z-1VB)BR-2
PEORIA COUNTY
STATION 142+72.94
STRUCTURE NO. 072-0248

LOCHMUELLER GROUP
1929 SW Bradley Blvd, Smith Drive, Troy, IL 62294

USER NAME = Betsy	DESIGNED - ACS	REVISED
Illinois Design Firm Number 184.001670	CHECKED - REB	REVISED
PLOT SCALE =	DRAWN - WJS	REVISED
PLOT DATE = 8/22/2019 3:51:01 PM	CHECKED - ACS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	85
		CONTRACT NO. 68799		

ILLINOIS FED. AID PROJECT

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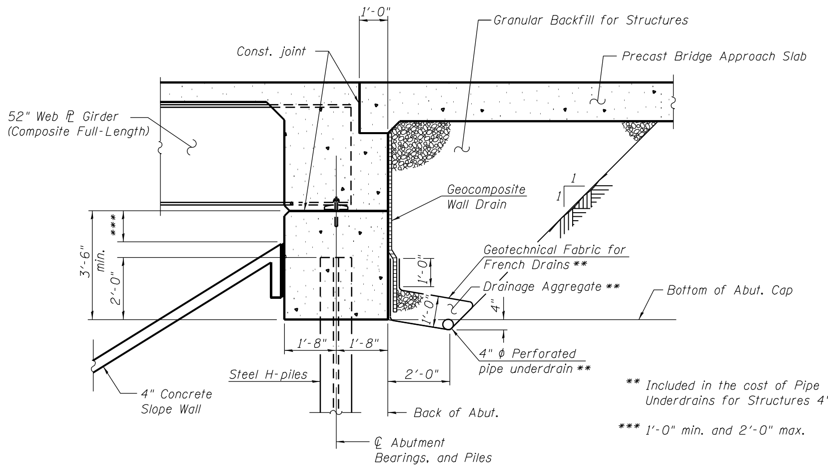
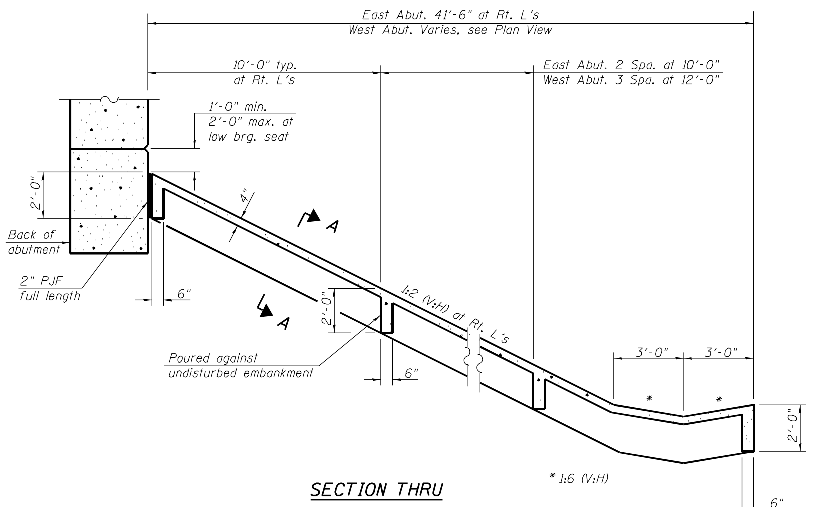


** Included in the cost of Pipe Underdrains for Structures 4".

*** 1'-0" min. and 2'-0" max.

SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. at Rt. L's)

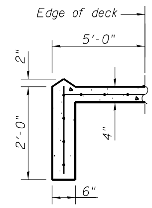
Notes:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101)
Slope Wall shall be reinforced with galvanized welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.



SECTION THRU CONCRETE SLOPE WALL

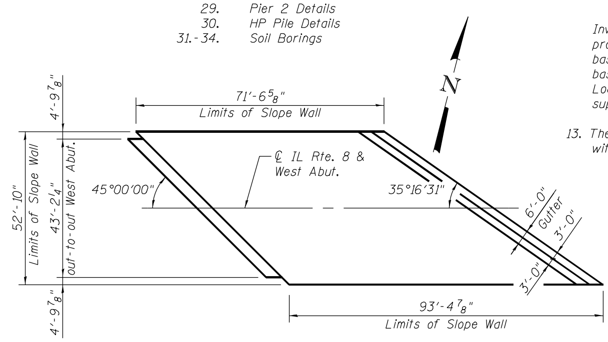
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	1	-	1
Protective Shield	Sq. Yd.	424	-	424
Structure Excavation	Cu. Yd.	-	545	545
Concrete Structures	Cu. Yd.	-	557.2	557.2
Concrete Superstructure	Cu. Yd.	552.2	-	552.2
Bridge Deck Grooving	Sq. Yd.	1,735	-	1,735
Protective Coat	Sq. Yd.	2,178	-	2,178
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	5,220	-	5,220
Reinforcement Bars, Epoxy Coated	Pound	158,610	88,230	246,840
Slope Wall 4 Inch	Sq. Yd.	-	915	915
Furnishing Steel Piles HP14x89	Foot	-	2,048	2,048
Driving Piles	Foot	-	2,048	2,048
Test Pile Steel HP14x89	Each	-	1	1
Pile Shoes	Each	-	72	72
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	118	-	118
Anchor Bolts, 1"	Each	24	-	24
Anchor Bolts, $1\frac{1}{4}$"	Each	24	-	24
Temporary Soil Retention System	Sq. Ft.	-	1,696	1,696
Granular Backfill for Structures	Cu. Yd.	-	285	285
Geocomposite Wall Drain	Sq. Yd.	-	143	143
Concrete Wearing Surface, 5"	Sq. Yd.	280	-	280
Precast Bridge Approach Slab	Sq. Ft.	2,390	-	2,390
Drainage Scuppers, DS-11	Each	4	-	4
Pipe Underdrains for Structures 4"	Foot	-	222	222



SECTION A-A

INDEX OF SHEETS

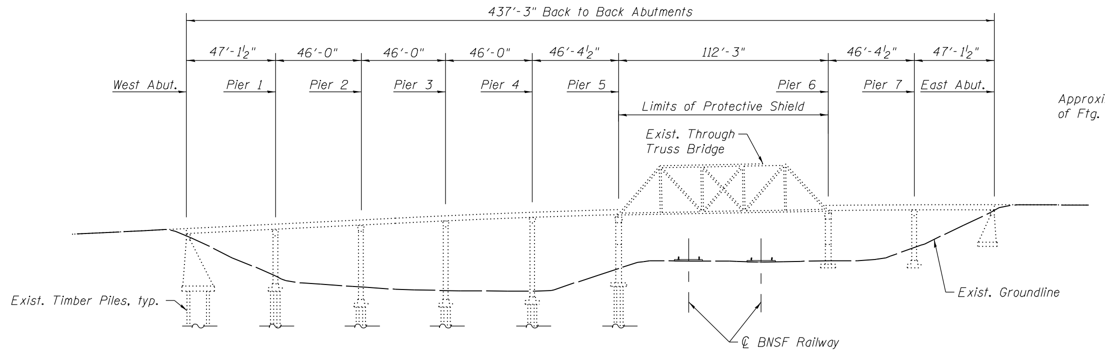


WEST ABUTMENT SLOPE WALL PLAN

GENERAL NOTES

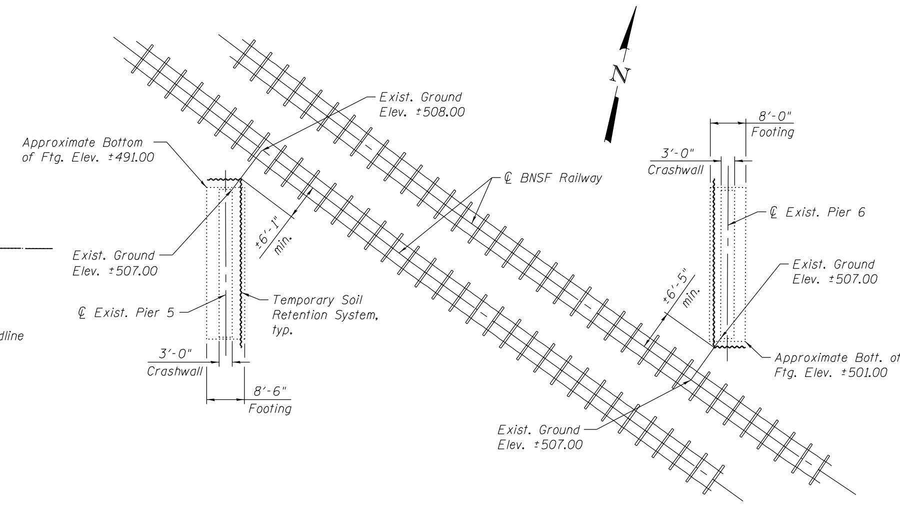
1. Fasteners shall be AASHTO A325 Type I, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. φ, holes $\frac{15}{16}$ in. φ, unless otherwise noted.
2. Calculated weight of Structural Steel = 539,320 pounds (Grade 50) and 37,920 pounds (Grade 36).
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
6. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
7. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
8. The Inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be Gray, Munsell No. 5B 7/1.
9. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
10. The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.
11. The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.
12. Current Ratings on File for Existing Structure
Inventory: HS10
Operating: HS16
Live Load Restrictions: Yes (Single Vehicle = 26 tons, Combination Vehicle = 31 tons)

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.
13. The proposed embankment construction shall be performed in accordance with the Special Provisions for Settlement Platforms and Piezometers.

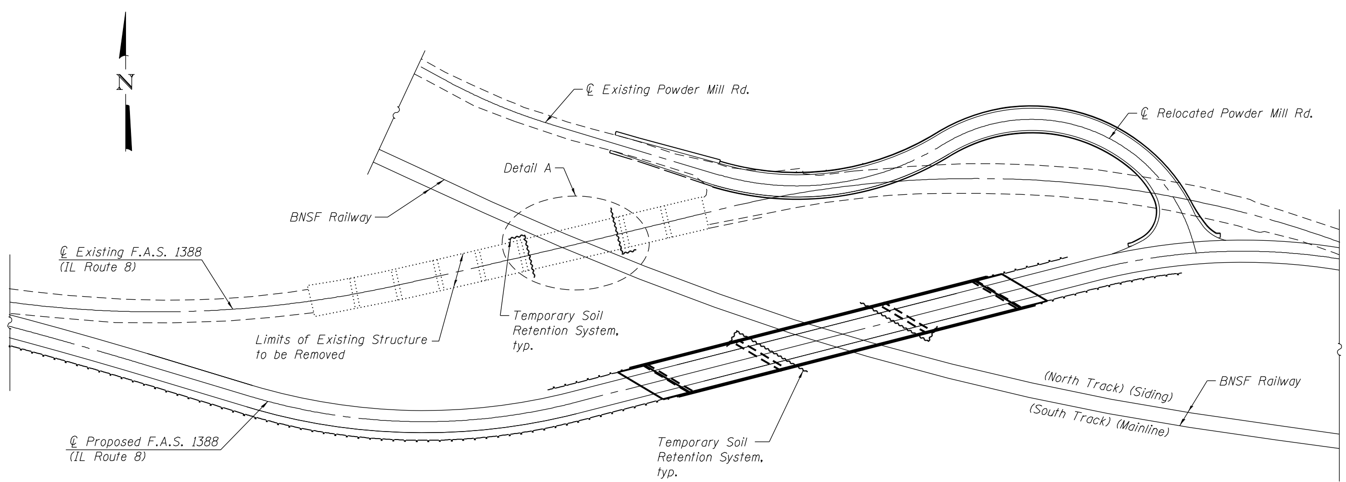


EXISTING BRIDGE ELEVATION

(Looking Northwest)



DETAIL A



LOCATION SKETCH

(showing proposed temporary soil retention systems)

Notes:

Existing Piers 5 & 6 shall be removed to at least 3 feet below the top of rail. The remaining existing structure shall be removed to at least one foot below the proposed ground surface, according to Article 501.04 of the Standard Specifications. See Removal Elevation Detail on sheet 4 of 34.

Pier 5 is severely deteriorated and it is the Contractor's responsibility to take the condition of Pier 5 into account when developing construction procedures for removal of the structure.

Limits and Schedule of Removal of the existing through truss bridge and piers adjacent to the BNSF Railway shall be coordinated with the Railway.

For details of Temporary Soil Retention Systems see sheets 5 & 6 of 34.

S:\Projects\408-0024\IBD IL 8 over BNSF Phase II\Bridges\dgn\Final Design Plans\0720248-0368799-003.dgn

LOCHMUELLER GROUP
1528 Sch Bradley B. Smith Drive, Troy, IL 62294
PHONE: 618.667.2400

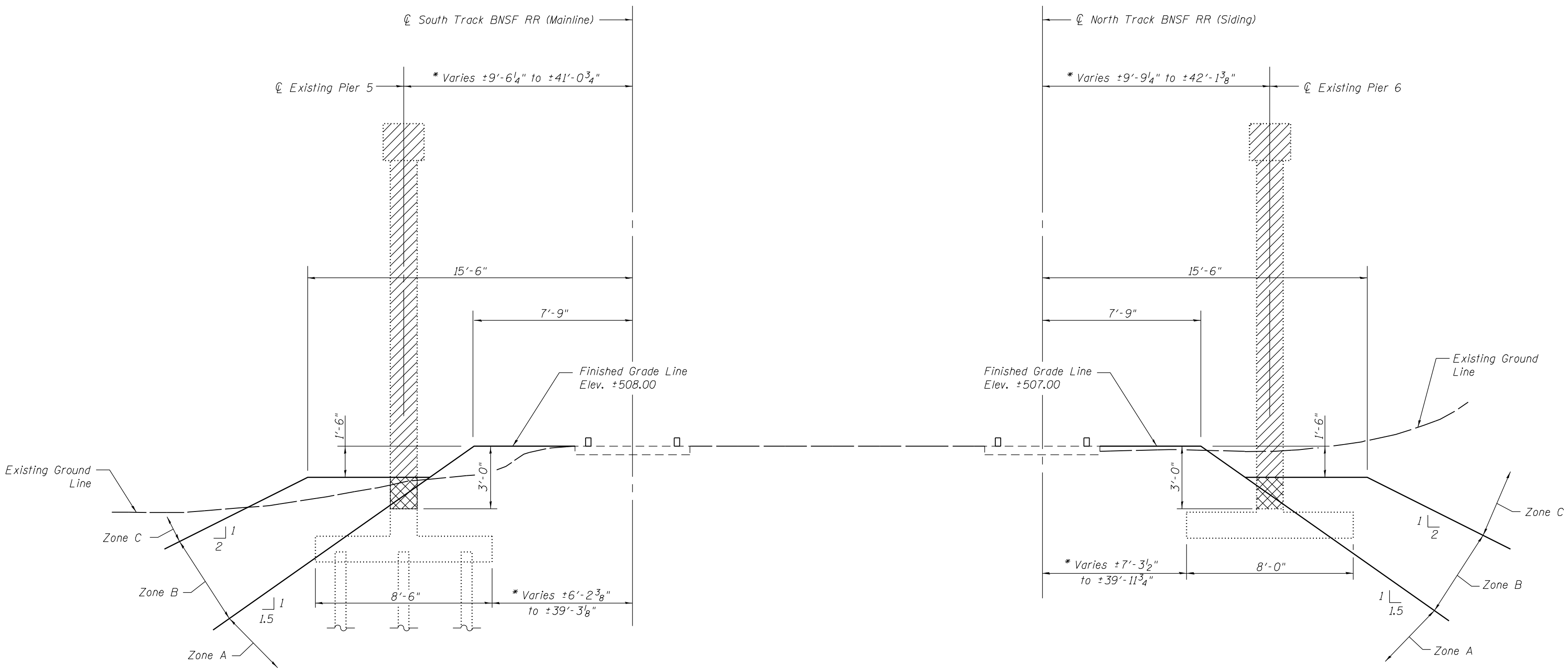
USER NAME = Betsy	DESIGNED - ACS	REVISED	
Illinois Design Firm Number 184.001670	CHECKED - CPA	REVISED	
PLOT SCALE =	DRAWN - WJS	REVISED	
PLOT DATE = 8/22/2019 3:51:02 PM	CHECKED - ACS	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL DETAILS
STRUCTURE NO. 072-0248

SHEET NO. 3 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	87
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		



ELEVATION - LOOKING ALONG ℄ RAILROAD

(Looking Northwest)

* Dimensions taken at Rt. L's to Tracks

Indicates Limits of Structural Removal

Indicates Limits of Structure to be Broken and Left in Place

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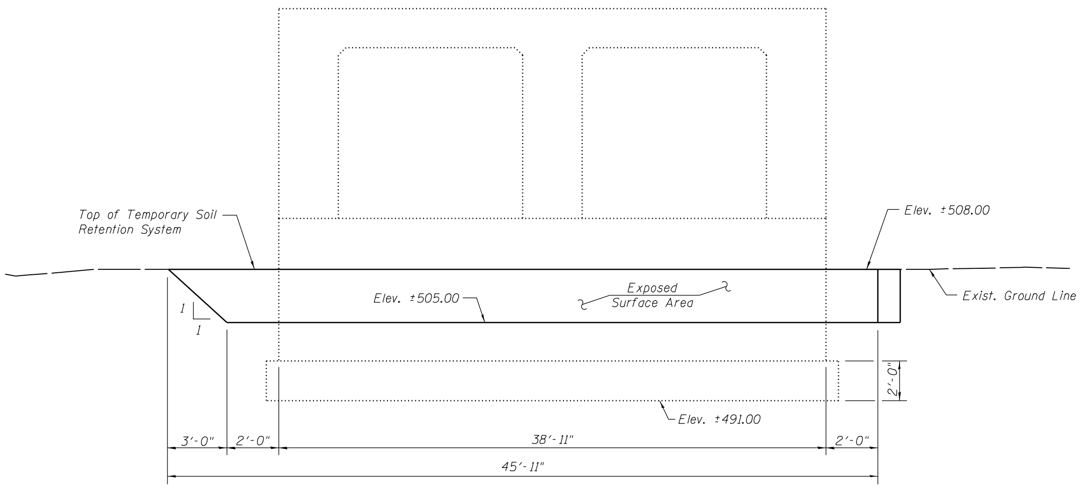
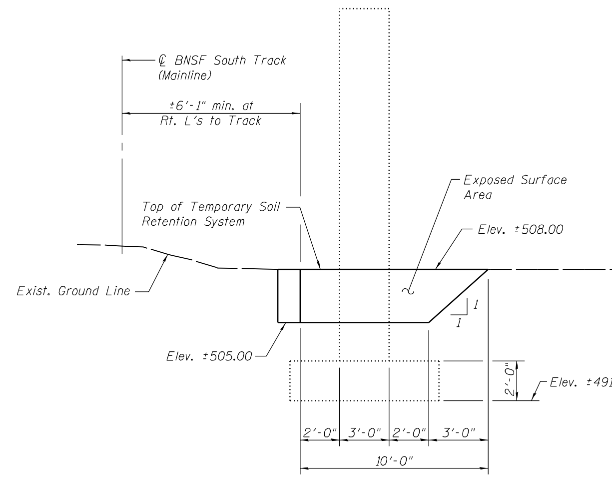
LOCHMUELLER GROUP 1928 SrA Bradley R. Smith Drive Troy, IL 62294 PHONE: 618.667.3400	USER NAME = Betsy	DESIGNED - ACS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL DETAILS STRUCTURE NO. 072–0248	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Illinois Design Firm Number 184.001670	CHECKED - CPA	REVISED			1388	(Z-1VB)BR-2	PEORIA	235	88
	PLOT SCALE =	DRAWN - WJS	REVISED					CONTRACT NO. 68799		
	PLOT DATE = 8/22/2019 3:51:03 PM	CHECKED - ACS	REVISED		SHEET NO. 4 OF 34 SHEETS		ILLINOIS FED. AID PROJECT			



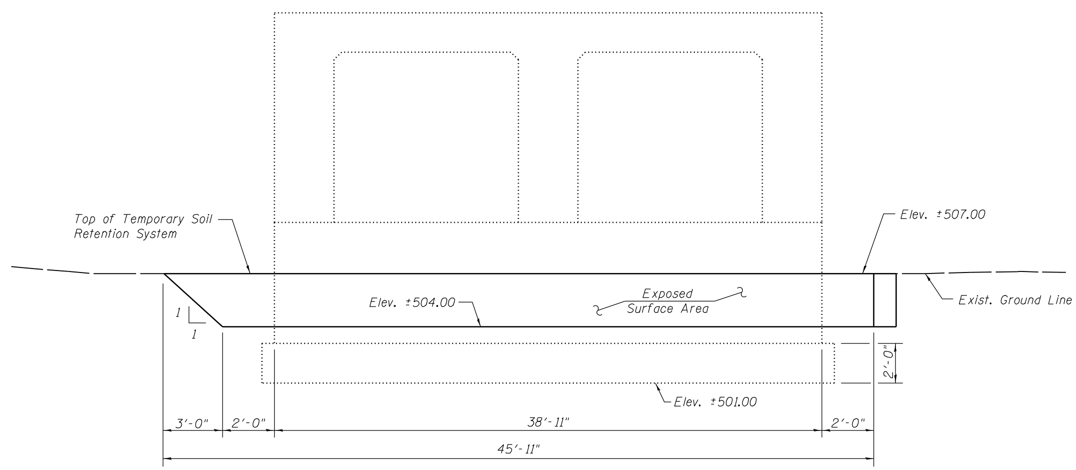
EXIST. PIER 5 TEMPORARY SOIL RETENTION SYSTEM ELEVATION

(Looking West)



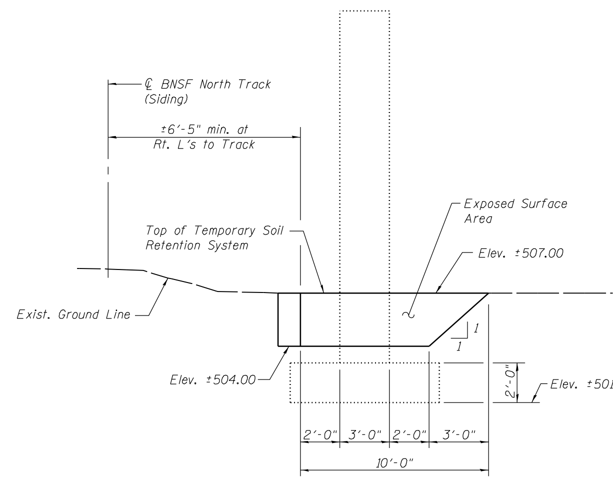
EXIST. PIER 5 TEMPORARY SOIL RETENTION SYSTEM END VIEW

(Looking South)



EXIST. PIER 6 TEMPORARY SOIL RETENTION SYSTEM ELEVATION

(Looking East)



EXIST. PIER 6 TEMPORARY SOIL RETENTION SYSTEM END VIEW

(Looking North)

Notes:

For Existing Pier 5 and 6 Removal Details see sheets 3 & 4 of 34.

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	318

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USER NAME = Betsy	DESIGNED - CPA	REVISED
Illinois Design Firm Number 184.001670	CHECKED - REB	REVISED
PLOT SCALE =	DRAWN - WJS	REVISED
PLOT DATE = 8/22/2019 3:51:03 PM	CHECKED - CPA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SOIL RETENTION SYSTEM
STRUCTURE NO. 072-0248

SHEET NO. 5 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	89

CONTRACT NO. 68799

ILLINOIS FED. AID PROJECT

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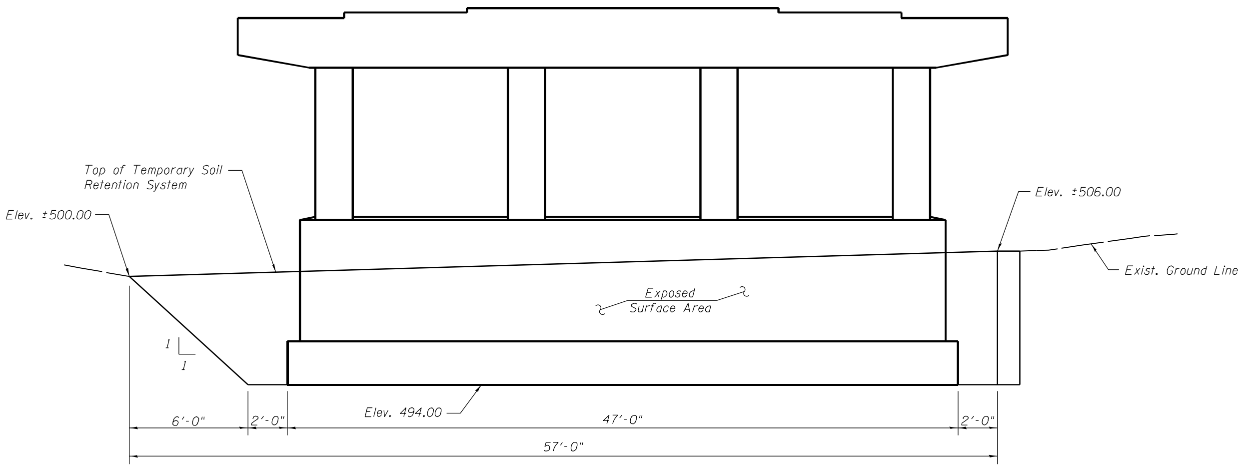
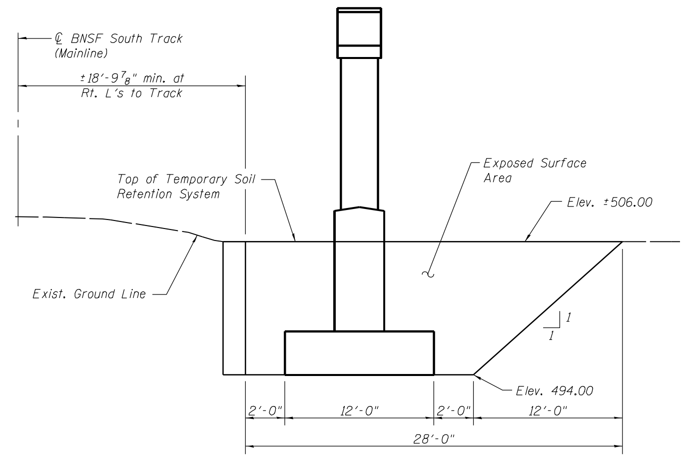


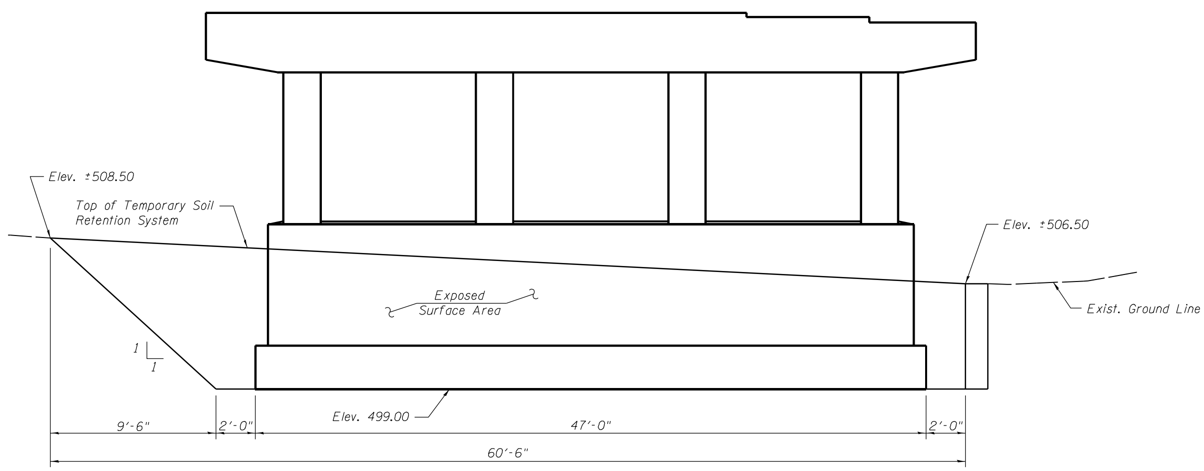
PROPOSED PIER 1 - TEMPORARY SOIL RETENTION SYSTEM ELEVATION

(Looking Southwest)



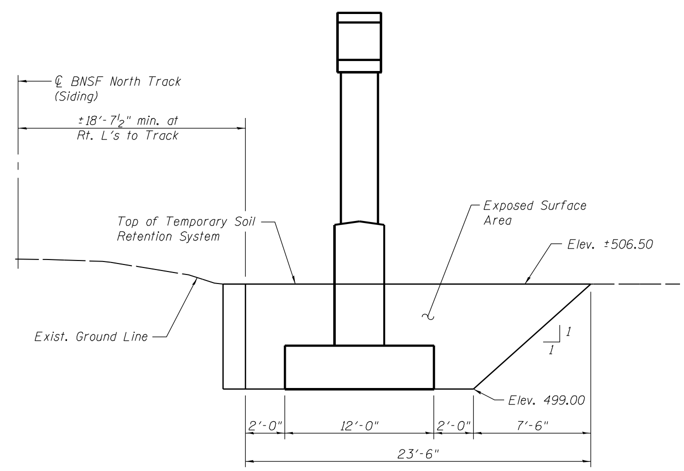
PROPOSED PIER 1 - TEMPORARY SOIL RETENTION SYSTEM END VIEW

(Looking Southeast)



PROPOSED PIER 2 - TEMPORARY SOIL RETENTION SYSTEM ELEVATION

(Looking Northeast)



PROPOSED PIER 2 - TEMPORARY SOIL RETENTION SYSTEM END VIEW

(Looking Northwest)

Notes:

For details of proposed Piers 1 and 2 see sheets 27 & 28 of 34, respectively.

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	1,378

LOCHMUELLER GROUP	USER NAME = Betsy	DESIGNED - CPA	REVISED
	Illinois Design Firm Number 184.001670	CHECKED - REB	REVISED
	PLOT SCALE =	DRAWN - WJS	REVISED
	PLOT DATE = 8/22/2019 3:51:04 PM	CHECKED - CPA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SOIL RETENTION SYSTEM
STRUCTURE NO. 072-0248

SHEET NO. 6 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	90
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		

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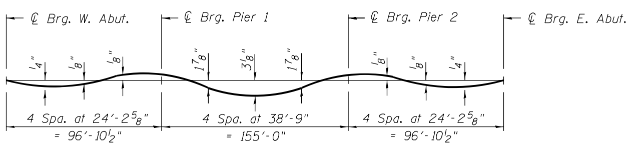
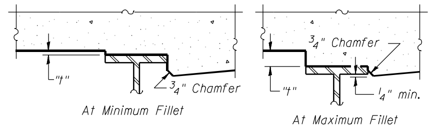


DEAD LOAD DEFLECTION DIAGRAM

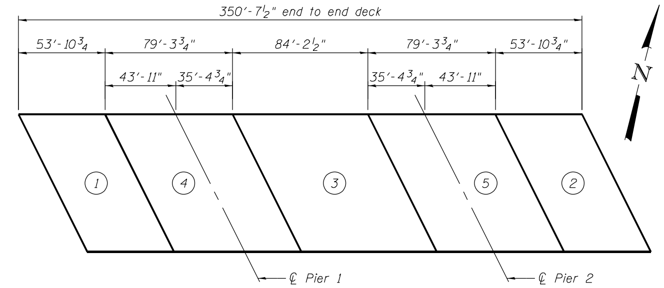
(Includes weight of concrete only.)

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 on sheets 8 thru 10 of 34.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 8 thru 10 of 34, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

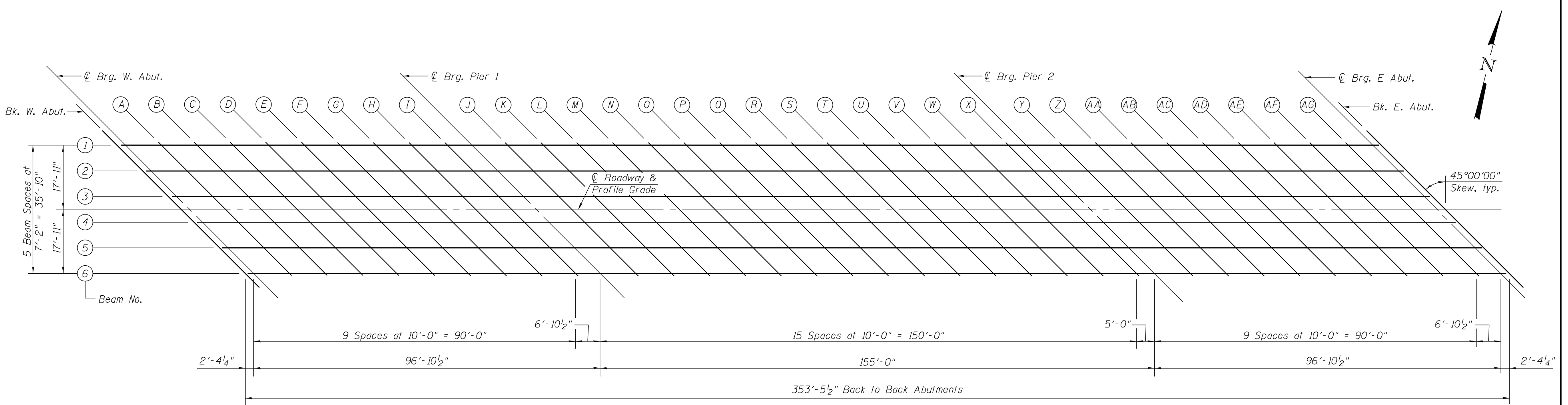


DECK POURING SEQUENCE

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:

1. At least 72 hours shall have elapsed from the end of the previous pour.

2. The concrete strength shall have attained a minimum flexural strength of 675 psi or a minimum compressive strength of 4,000 psi.



PLAN

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LOCHMUELLER GROUP 1528 SW Bradley R. Smith Drive Troy, IL 62294 PHONE: 618.667.2400	USER NAME = Betsy	DESIGNED - ACS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF SLAB ELEVATIONS STRUCTURE NO. 072-0248
	Illinois Design Firm Number 184.001670	CHECKED - CPA	REVISED		
	PLOT SCALE =	DRAWN - WJS	REVISED		
	PLOT DATE = 8/22/2019 3:51:05 PM	CHECKED - ACS	REVISED		SHEET NO. 7 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	91
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	140+95.70	-17.92	536.89	536.89
℄ Brg. W. Abut.	140+98.05	-17.92	536.91	536.91
A	141+08.05	-17.92	536.99	537.00
B	141+18.05	-17.92	537.06	537.09
C	141+28.05	-17.92	537.13	537.15
D	141+38.05	-17.92	537.19	537.21
E	141+48.05	-17.92	537.24	537.25
F	141+58.05	-17.92	537.28	537.28
G	141+68.05	-17.92	537.31	537.30
H	141+78.05	-17.92	537.33	537.32
I	141+88.05	-17.92	537.35	537.33
℄ Brg. Pier 1	141+94.93	-17.92	537.35	537.35
J	142+04.93	-17.92	537.35	537.38
K	142+14.93	-17.92	537.34	537.41
L	142+24.93	-17.92	537.33	537.44
M	142+34.93	-17.92	537.30	537.46
N	142+44.93	-17.92	537.27	537.47
O	142+54.93	-17.92	537.22	537.46
P	142+64.93	-17.92	537.17	537.43
Q	142+74.93	-17.92	537.11	537.37
R	142+84.93	-17.92	537.04	537.29
S	142+94.93	-17.92	536.97	537.19
T	143+04.93	-17.92	536.88	537.06
U	143+14.93	-17.92	536.79	536.92
V	143+24.93	-17.92	536.68	536.77
W	143+34.93	-17.92	536.57	536.61
X	143+44.93	-17.92	536.45	536.46
℄ Brg. Pier 2	143+49.93	-17.92	536.39	536.39
Y	143+59.93	-17.92	536.26	536.24
Z	143+69.93	-17.92	536.11	536.10
AA	143+79.93	-17.92	535.96	535.96
AB	143+89.93	-17.92	535.81	535.81
AC	143+99.93	-17.92	535.64	535.65
AD	144+09.93	-17.92	535.46	535.48
AE	144+19.93	-17.92	535.28	535.30
AF	144+29.93	-17.92	535.09	535.10
AG	144+39.93	-17.92	534.88	534.89
℄ Brg. E. Abut.	144+46.80	-17.92	534.74	534.74
Bk. E. Abut.	144+49.16	-17.92	534.69	534.69

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	141+02.86	-10.75	537.08	537.08
℄ Brg. W. Abut.	141+05.22	-10.75	537.10	537.10
A	141+15.22	-10.75	537.18	537.19
B	141+25.22	-10.75	537.25	537.27
C	141+35.22	-10.75	537.31	537.33
D	141+45.22	-10.75	537.36	537.38
E	141+55.22	-10.75	537.40	537.41
F	141+65.22	-10.75	537.44	537.44
G	141+75.22	-10.75	537.46	537.45
H	141+85.22	-10.75	537.48	537.46
I	141+95.22	-10.75	537.49	537.48
℄ Brg. Pier 1	142+02.10	-10.75	537.49	537.49
J	142+12.10	-10.75	537.48	537.51
K	142+22.10	-10.75	537.47	537.53
L	142+32.10	-10.75	537.44	537.56
M	142+42.10	-10.75	537.41	537.57
N	142+52.10	-10.75	537.37	537.58
O	142+62.10	-10.75	537.32	537.56
P	142+72.10	-10.75	537.27	537.52
Q	142+82.10	-10.75	537.20	537.46
R	142+92.10	-10.75	537.13	537.37
S	143+02.10	-10.75	537.04	537.26
T	143+12.10	-10.75	536.95	537.13
U	143+22.10	-10.75	536.85	536.99
V	143+32.10	-10.75	536.74	536.83
W	143+42.10	-10.75	536.62	536.67
X	143+52.10	-10.75	536.50	536.51
℄ Brg. Pier 2	143+57.10	-10.75	536.43	536.43
Y	143+67.10	-10.75	536.29	536.28
Z	143+77.10	-10.75	536.14	536.13
AA	143+87.10	-10.75	535.99	535.98
AB	143+97.10	-10.75	535.82	535.83
AC	144+07.10	-10.75	535.65	535.66
AD	144+17.10	-10.75	535.47	535.49
AE	144+27.10	-10.75	535.28	535.30
AF	144+37.10	-10.75	535.08	535.10
AG	144+47.10	-10.75	534.87	534.88
℄ Brg. E. Abut.	144+53.97	-10.75	534.72	534.72
Bk. E. Abut.	144+56.33	-10.75	534.67	534.67

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	141+10.03	-3.58	537.25	537.25
℄ Brg. W. Abut.	141+12.39	-3.58	537.27	537.27
A	141+22.39	-3.58	537.34	537.35
B	141+32.39	-3.58	537.40	537.42
C	141+42.39	-3.58	537.45	537.48
D	141+52.39	-3.58	537.50	537.52
E	141+62.39	-3.58	537.54	537.55
F	141+72.39	-3.58	537.56	537.56
G	141+82.39	-3.58	537.58	537.57
H	141+92.39	-3.58	537.59	537.58
I	142+02.39	-3.58	537.60	537.59
℄ Brg. Pier 1	142+09.26	-3.58	537.59	537.59
J	142+19.26	-3.58	537.58	537.61
K	142+29.26	-3.58	537.56	537.63
L	142+39.26	-3.58	537.53	537.64
M	142+49.26	-3.58	537.49	537.65
N	142+59.26	-3.58	537.45	537.65
O	142+69.26	-3.58	537.39	537.63
P	142+79.26	-3.58	537.33	537.58
Q	142+89.26	-3.58	537.25	537.51
R	142+99.26	-3.58	537.17	537.42
S	143+09.26	-3.58	537.08	537.31
T	143+19.26	-3.58	536.99	537.17
U	143+29.26	-3.58	536.88	537.02
V	143+39.26	-3.58	536.77	536.85
W	143+49.26	-3.58	536.64	536.68
X	143+59.26	-3.58	536.51	536.52
℄ Brg. Pier 2	143+64.26	-3.58	536.44	536.44
Y	143+74.26	-3.58	536.29	536.28
Z	143+84.26	-3.58	536.14	536.13
AA	143+94.26	-3.58	535.98	535.97
AB	144+04.26	-3.58	535.81	535.81
AC	144+14.26	-3.58	535.63	535.64
AD	144+24.26	-3.58	535.44	535.46
AE	144+34.26	-3.58	535.24	535.27
AF	144+44.26	-3.58	535.04	535.06
AG	144+54.26	-3.58	534.83	534.83
℄ Brg. E. Abut.	144+61.14	-3.58	534.67	534.67
Bk. E. Abut.	144+63.49	-3.58	534.62	534.62

℄ ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	141+13.61	0.00	537.33	537.33
℄ Brg. W. Abut.	141+15.97	0.00	537.35	537.35
A	141+25.97	0.00	537.42	537.43
B	141+35.97	0.00	537.47	537.50
C	141+45.97	0.00	537.52	537.55
D	141+55.97	0.00	537.57	537.59
E	141+65.97	0.00	537.60	537.61
F	141+75.97	0.00	537.63	537.63
G	141+85.97	0.00	537.64	537.63
H	141+95.97	0.00	537.65	537.63
I	142+05.97	0.00	537.65	537.64
℄ Brg. Pier 1	142+12.84	0.00	537.64	537.64
J	142+22.84	0.00	537.63	537.65
K	142+32.84	0.00	537.60	537.67
L	142+42.84	0.00	537.57	537.68
M	142+52.84	0.00	537.53	537.69
N	142+62.84	0.00	537.48	537.69
O	142+72.84	0.00	537.42	537.66
P	142+82.84	0.00	537.36	537.61
Q	142+92.84	0.00	537.28	537.54
R	143+02.84	0.00	537.20	537.44
S	143+12.84	0.00	537.10	537.33
T	143+22.84	0.00	537.00	537.19
U	143+32.84	0.00	536.89	537.03
V	143+42.84	0.00	536.78	536.86
W	143+52.84	0.00	536.65	536.69
X	143+62.84	0.00	536.51	536.52
℄ Brg. Pier 2	143+67.84	0.00	536.44	536.44
Y	143+77.84	0.00	536.29	536.28
Z	143+87.84	0.00	536.14	536.12
AA	143+97.84	0.00	535.97	535.96
AB	144+07.84	0.00	535.80	535.80
AC	144+17.84	0.00	535.62	535.63
AD	144+27.84	0.00	535.43	535.44
AE	144+37.84	0.00	535.23	535.25
AF	144+47.84	0.00	535.02	535.03
AG	144+57.84	0.00	534.80	534.81
℄ Brg. E. Abut.	144+64.72	0.00	534.65	534.65
Bk. E. Abut.	144+67.08	0.00	534.59	534.59

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	141+17.20	3.58	537.30	537.30
℄ Brg. W. Abut.	141+19.55	3.58	537.32	537.32
A	141+29.55	3.58	537.38	537.40
B	141+39.55	3.58	537.44	537.46
C	141+49.55	3.58	537.49	537.51
D	141+59.55	3.58	537.53	537.55
E	141+69.55	3.58	537.56	537.57
F	141+79.55	3.58	537.58	537.58
G	141+89.55	3.58	537.59	537.58
H	141+99.55	3.58	537.60	537.58
I	142+09.55	3.58	537.59	537.58
℄ Brg. Pier 1	142+16.43	3.58	537.58	537.58
J	142+26.43	3.58	537.57	537.59
K	142+36.43	3.58	537.54	537.60
L	142+46.43	3.58	537.50	537.62
M	142+56.43	3.58	537.46	537.62
N	142+66.43	3.58	537.41	537.61
O	142+76.43	3.58	537.35	537.58
P	142+86.43	3.58	537.28	537.53
Q	142+96.43	3.58	537.20	537.46
R	143+06.43	3.58	537.11	537.36
S	143+16.43	3.58	537.02	537.24
T	143+26.43	3.58	536.91	537.09
U	143+36.43	3.58	536.80	536.94
V	143+46.43	3.58	536.68	536.77
W	143+56.43	3.58	536.55	536.59
X	143+66.43	3.58	536.41	536.42
℄ Brg. Pier 2	143+71.43	3.58	536.34	536.34
Y	143+81.43	3.58	536.19	536.17
Z	143+91.43	3.58	536.03	536.01
AA	144+01.43	3.58	535.86	535.85
AB	144+11.43	3.58	535.68	535.68
AC	144+21.43	3.58	535.49	535.51
AD	144+31.43	3.58	535.30	535.32
AE	144+41.43	3.58	535.10	535.12
AF	144+51.43	3.58	534.89	534.90
AG	144+61.43	3.58	534.67	534.67
℄ Brg. E. Abut.	144+68.30	3.58	534.51	534.51
Bk. E. Abut.	144+70.66	3.58	534.46	534.46

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	141+24.36	10.75	537.24	537.24
℄ Brg. W. Abut.	141+26.72	10.75	537.26	537.26
A	141+36.72	10.75	537.32	537.33
B	141+46.72	10.75	537.37	537.39
C	141+56.72	10.75	537.41	537.43
D	141+66.72	10.75	537.44	537.46
E	141+76.72	10.75	537.47	537.48
F	141+86.72	10.75	537.48	537.48
G	141+96.72	10.75	537.49	537.48
H	142+06.72	10.75	537.49	537.47
I	142+16.72	10.75	537.48	537.47
℄ Brg. Pier 1	142+23.59	10.75	537.46	537.46
J	142+33.59	10.75	537.44	537.47
K	142+43.59	10.75	537.41	537.47
L	142+53.59	10.75	537.37	537.48
M	142+63.59	10.75	537.32	537.48
N	142+73.59	10.75	537.26	537.46
O	142+83.59	10.75	537.19	537.43
P	142+93.59	10.75	537.11	537.37
Q	143+03.59	10.75	537.03	537.29
R	143+13.59	10.75	536.94	537.18
S	143+23.59	10.75	536.83	537.06
T	143+33.59	10.75	536.72	536.91
U	143+43.59	10.75	536.61	536.74
V	143+53.59	10.75	536.48	536.57
W	143+63.59	10.75	536.34	536.38
X	143+73.59	10.75	536.20	536.21
℄ Brg. Pier 2	143+78.59	10.75	536.12	536.12
Y	143+88.59	10.75	535.96	535.95
Z	143+98.59	10.75	535.80	535.78
AA	144+08.59	10.75	535.62	535.62
AB	144+18.59	10.75	535.44	535.44
AC	144+28.59	10.75	535.25	535.26
AD	144+38.59	10.75	535.05	535.07
AE	144+48.59	10.75	534.84	534.86
AF	144+58.59	10.75	534.62	534.64
AG	144+68.59	10.75	534.40	534.40
℄ Brg. E. Abut.	144+75.47	10.75	534.24	534.24
Bk. E. Abut.	144+77.83	10.75	534.18	534.18

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	141+31.53	17.92	537.15	537.15
℄ Brg. W. Abut.	141+33.89	17.92	537.16	537.16
A	141+43.89	17.92	537.22	537.23
B	141+53.89	17.92	537.26	537.28
C	141+63.89	17.92	537.30	537.32
D	141+73.89	17.92	537.32	537.34
E	141+83.89	17.92	537.34	537.35
F	141+93.89	17.92	537.35	537.35
G	142+03.89	17.92	537.35	537.34
H	142+13.89	17.92	537.34	537.33
I	142+23.89	17.92	537.33	537.32
℄ Brg. Pier 1	142+30.76	17.92	537.31	537.31
J	142+40.76	17.92	537.28	537.31
K	142+50.76	17.92	537.24	537.31
L	142+60.76	17.92	537.19	537.31
M	142+70.76	17.92	537.14	537.30
N	142+80.76	17.92	537.07	537.28
O	142+90.76	17.92	537.00	537.24
P	143+00.76	17.92	536.92	537.17
Q	143+10.76	17.92	536.83	537.09
R	143+20.76	17.92	536.73	536.97
S	143+30.76	17.92	536.62	536.84
T	143+40.76	17.92	536.50	536.69
U	143+50.76	17.92	536.38	536.52
V	143+60.76	17.92	536.24	536.33
W	143+70.76	17.92	536.10	536.15
X	143+80.76	17.92	535.95	535.96
℄ Brg. Pier 2	143+85.76	17.92	535.87	535.87
Y	143+95.76	17.92	535.71	535.69
Z	144+05.76	17.92	535.54	535.52
AA	144+15.76	17.92	535.36	535.35
AB	144+25.76	17.92	535.17	535.17
AC	144+35.76	17.92	534.97	534.98
AD	144+45.76	17.92	534.76	534.78
AE	144+55.76	17.92	534.55	534.57
AF	144+65.76	17.92	534.32	534.34
AG	144+75.76	17.92	534.09	534.10
℄ Brg. E. Abut.	144+82.64	17.92	533.93	533.93
Bk. E. Abut.	144+84.99	17.92	533.87	533.87

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LOCHMUELLER GROUP

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Illinois Design Firm Number 184.001670	CHECKED - CPA	REVISED
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 072-0248

SHEET NO. 10 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	94

CONTRACT NO. 68799

ILLINOIS | FED. AID PROJECT

NORTH EDGE OF SHOULDER

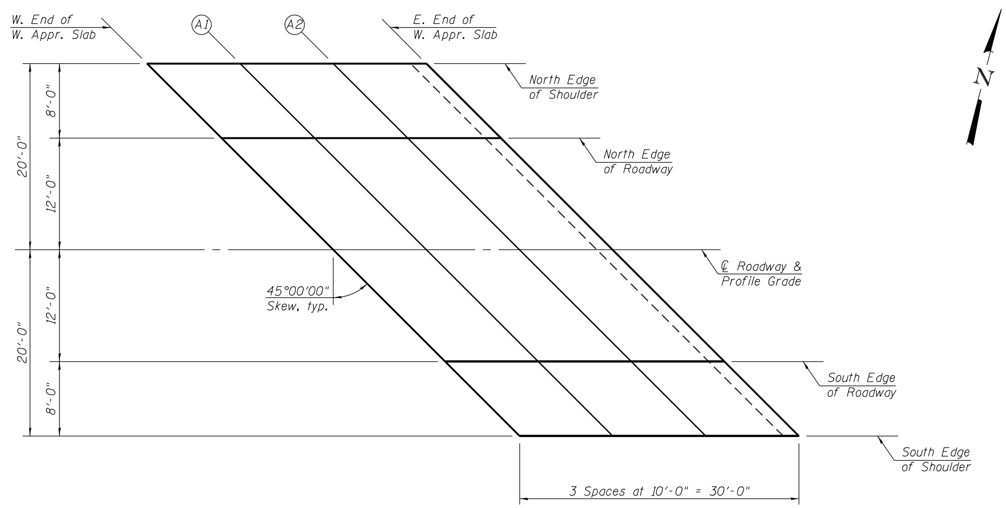
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	140+65.03	-20.00	536.53
A1	140+75.03	-20.00	536.64
A2	140+85.03	-20.00	536.74
E. End of W. Appr. Slab	140+95.03	-20.00	536.84

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	140+73.03	-12.00	536.78
A1	140+83.03	-12.00	536.88
A2	140+93.03	-12.00	536.98
E. End of W. Appr. Slab	141+03.03	-12.00	537.07

℄ ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	140+85.03	0.00	537.08
A1	140+95.03	0.00	537.18
A2	141+05.03	0.00	537.26
E. End of W. Appr. Slab	141+15.03	0.00	537.34



PLAN

SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	140+97.03	12.00	537.02
A1	141+07.03	12.00	537.10
A2	141+17.03	12.00	537.17
E. End of W. Appr. Slab	141+27.03	12.00	537.24

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	141+05.03	20.00	536.92
A1	141+15.03	20.00	537.00
A2	141+25.03	20.00	537.07
E. End of W. Appr. Slab	141+35.03	20.00	537.13

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 072-0248
SHEET NO. 11 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	95

CONTRACT NO. 68799
ILLINOIS FED. AID PROJECT

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	144+45.66	-20.00	534.72
A3	144+55.66	-20.00	534.51
A4	144+65.66	-20.00	534.29
E. End of E. Appr. Slab	144+75.66	-20.00	534.05

NORTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	144+53.66	-12.00	534.71
A3	144+63.66	-12.00	534.49
A4	144+73.66	-12.00	534.26
E. End of E. Appr. Slab	144+83.66	-12.00	534.02

℄ ROADWAY & P.G.L.

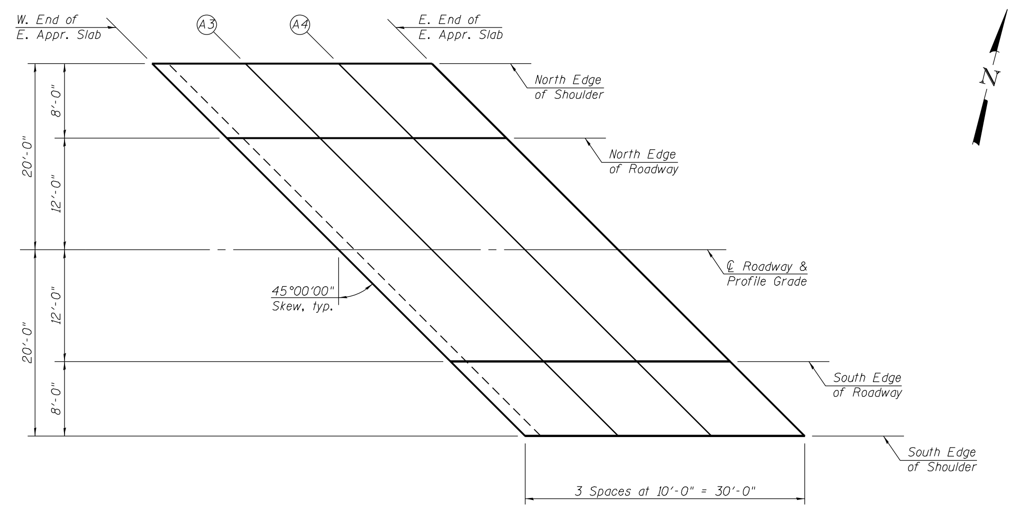
Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	144+65.66	0.00	534.63
A3	144+75.66	0.00	534.39
A4	144+85.66	0.00	534.15
E. End of E. Appr. Slab	144+95.66	0.00	533.90

SOUTH EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	144+77.66	12.00	534.17
A3	144+87.66	12.00	533.92
A4	144+97.66	12.00	533.67
E. End of E. Appr. Slab	145+07.66	12.00	533.41

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	144+85.66	20.00	533.81
A3	144+95.66	20.00	533.56
A4	145+05.66	20.00	533.31
E. End of E. Appr. Slab	145+15.66	20.00	533.04



PLAN

LOCHMUELLER GROUP	USER NAME = Betsy	DESIGNED - ACS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	Illinois Design Firm Number 184.001670	CHECKED - CPA	REVISED	
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TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 072-0248
SHEET NO. 12 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	96

CONTRACT NO. 68799
ILLINOIS FED. AID PROJECT

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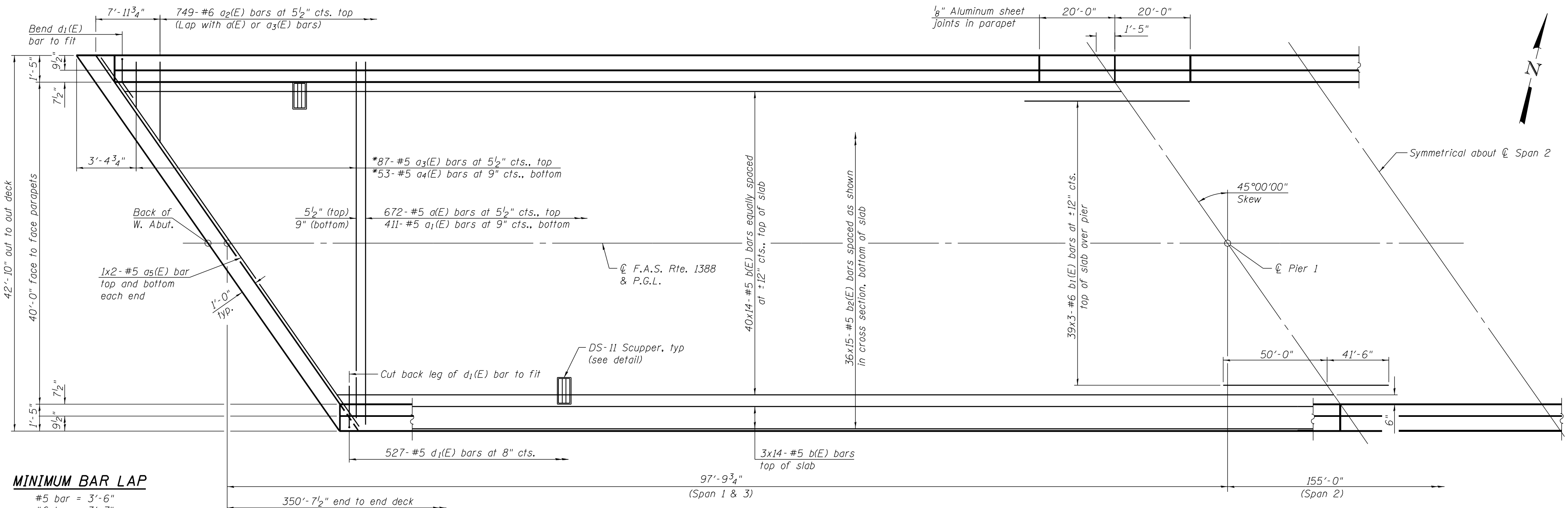


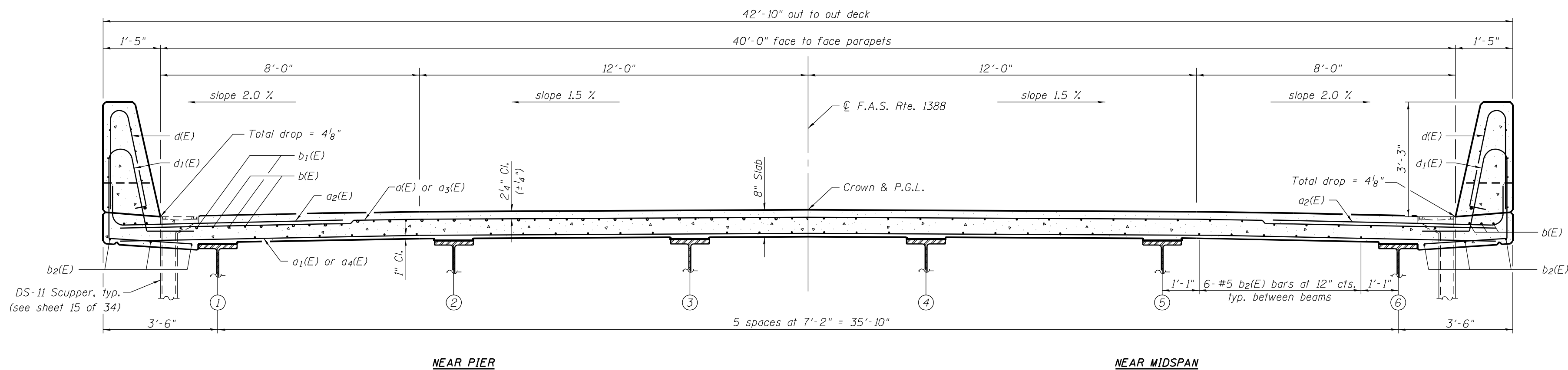
MINIMUM BAR LAP

#5 bar = 3'-6"
#6 bar = 3'-7"

* See Field Cutting Diagram on sheet 14 of 34.

PARTIAL PLAN

Notes:
See sheet 14 of 34 for superstructure details, scupper reinforcement detail, and Bill of Material.
Bars indicated thus 20 x 3- #5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION

(Looking East)

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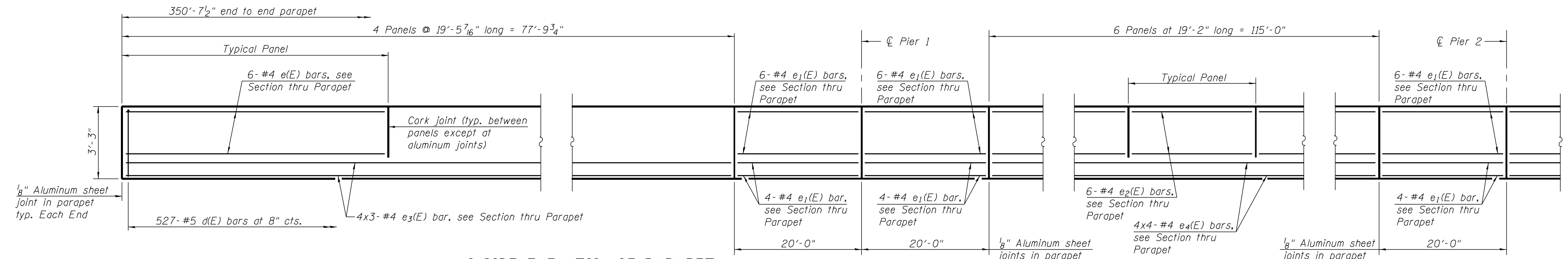
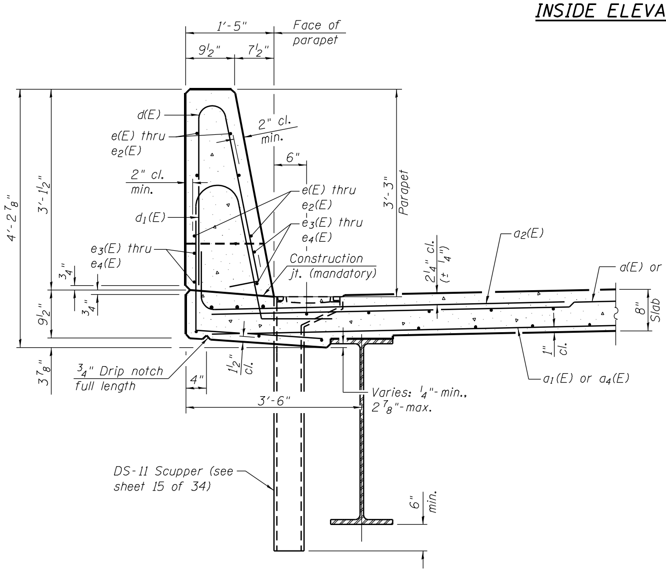
SUPERSTRUCTURE
STRUCTURE NO. 072-0248
SHEET NO. 13 OF 34 SHEETS

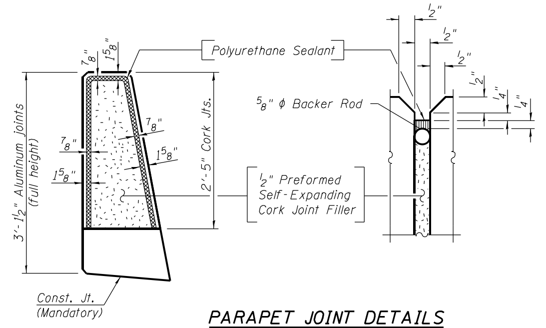
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	97
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		



INSIDE ELEVATION OF PARAPET



SECTION THRU PARAPET



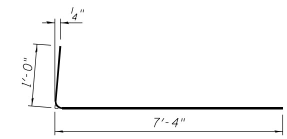
PARAPET JOINT DETAILS

Notes:

The ⅛" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.

The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

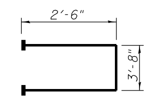


BAR a2(E)

MINIMUM BAR LAP

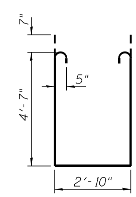
(Parapet)

#4 bar = 2'-5"



BAR s(E)

(Headed)

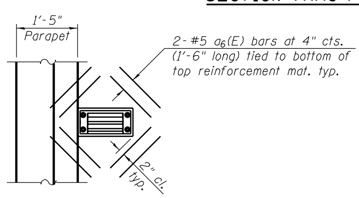


BAR s_1(E)

SUPERSTRUCTURE BILL OF MATERIAL

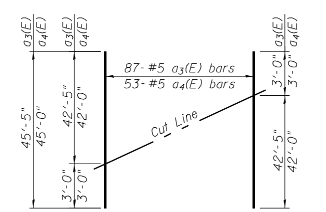
Bar	No.	Size	Length	Shape
a(E)	672	#5	42'-6"	straight
a_1(E)	411	#5	42'-6"	straight
a_2(E)	1,498	#6	8'-4"	hooked
a_3(E)	87	#5	45'-5"	straight
a_4(E)	53	#5	45'-0"	straight
a_5(E)	8	#5	31'-11"	straight
a_6(E)	32	#5	1'-6"	straight
b(E)	644	#5	28'-4"	straight
b_1(E)	234	#6	32'-11"	straight
b_2(E)	540	#5	26'-8"	straight
d(E)	1,054	#5	6'-5"	bent
d_1(E)	1,054	#5	8'-8"	bent
e(E)	96	#4	19'-2"	straight
e_1(E)	80	#4	19'-9"	straight
e_2(E)	72	#4	18'-11"	straight
e_3(E)	48	#4	27'-6"	straight
e_4(E)	32	#4	30'-6"	straight
m(E)	24	#6	32'-5"	straight
m_1(E)	50	#6	9'-8"	straight
m_2(E)	20	#6	4'-8"	straight
m_3(E)	60	#5	4'-0"	bent
s(E)	120	#5	8'-8"	bent
s_1(E)	120	#5	13'-2"	bent
Concrete Superstructure			Cu. Yd.	544.4
Bridge Deck Grooving			Sq. Yd.	1,481
Protective Coat			Sq. Yd.	1,878
Reinforcement Bars, Epoxy Coated			Pound	145,640

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



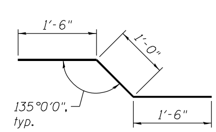
SCUPPER DETAIL

Note:
Cut longitudinal reinforcement to clear drainage scuppers.
See sheet 15 of 34 for DS-11 Drainage Scupper Details.

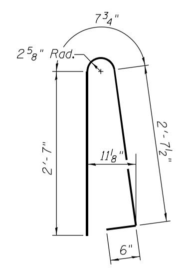


FIELD CUTTING DIAGRAM

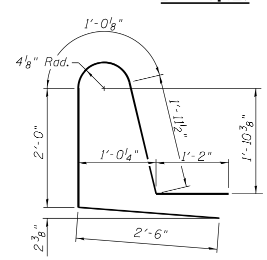
Order a_3(E) and a_4(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.



BAR m3(E)



BAR d(E)



BAR d_1(E)

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SUPERSTRUCTURE DETAILS
STRUCTURE NO. 072-0248

SHEET NO. 14 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	98

CONTRACT NO. 68799

ILLINOIS FED. AID PROJECT

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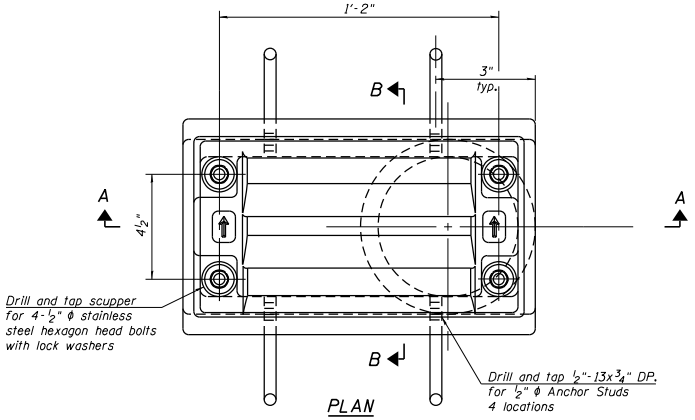
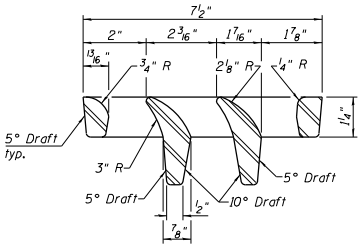
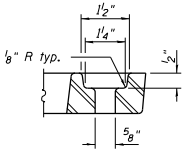


PLAN



VANE GRATE DETAIL



BOLT HOLE DETAIL

Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.

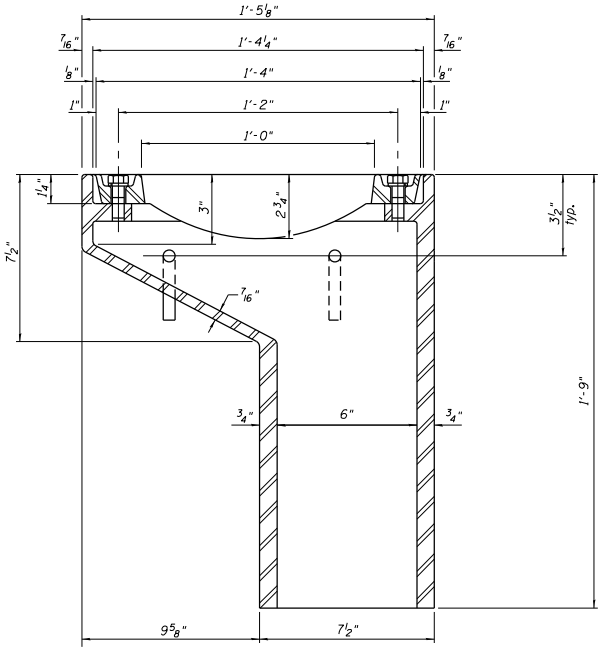
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

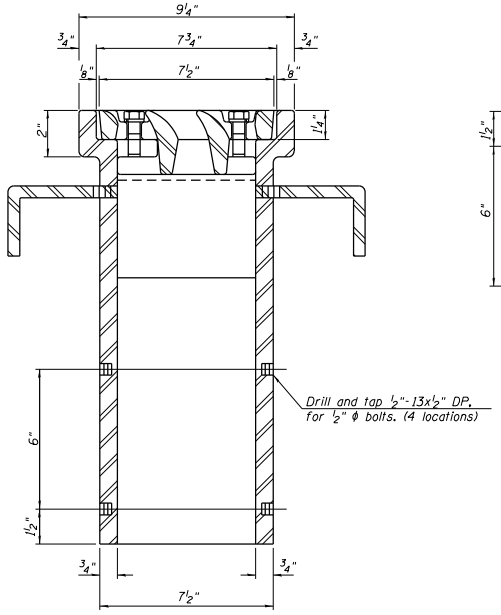
Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.

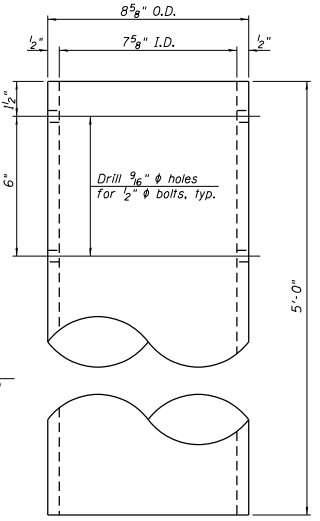


SECTION A-A

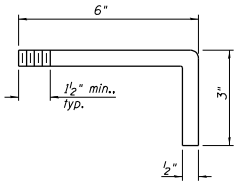
See sheet 14 of 34 for scupper location relative to parapet.



SECTION B-B



DOWNSPOUT



ANCHOR STUD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	4

DS-11

2-17-2017

USER NAME = Betsy	DESIGNED - CPA		REVISED
Illinois Design Firm Number 184.001670	CHECKED - ACS		REVISED
PLOT SCALE =	DRAWN - WJS		REVISED
PLOT DATE = 8/22/2019 3:51:10 PM	CHECKED - CPA		REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCUPPER, DS-11
STRUCTURE NO. 072-0248

SHEET NO. 15 OF 34 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(2-1VB)BR-2	PEORIA	235	99
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		

S:\Projects\408-0024-180_IL 8 over BNSF Phase II\Bridges\dgn\Final Design Plans\072-0248-D368799-DS.dgn

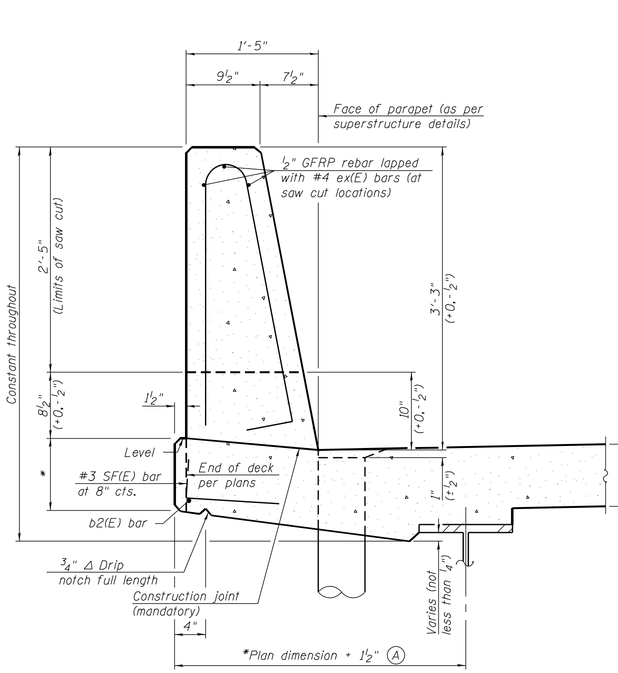
GENERAL NOTES

All dimensions shall remain the same as shown on superstructure details, except dimension A which is to be revised as shown. Additional concrete needed to revise dimension A = 0.00348 cu. yds./ft. for 39" and 44" parapets.

Place full depth aluminum sheets as shown on superstructure details.

Replace all cork joint filler locations with a full thickness saw cut.

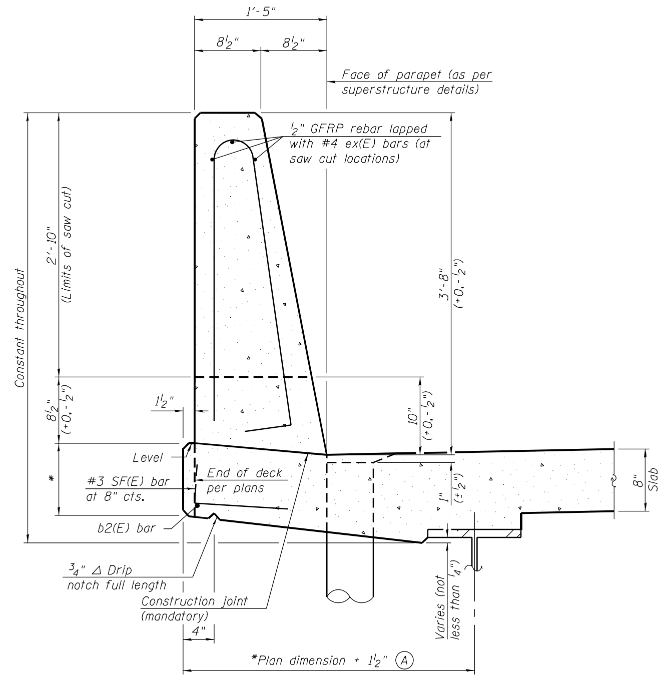
Steel superstructure shown. Other superstructure types similar.



39" CONSTANT-SLOPE PARAPET SECTION

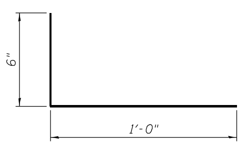
(Showing dimensions, d(E), and ½" ϕ GFRP rebar)

*See Superstructure Details.

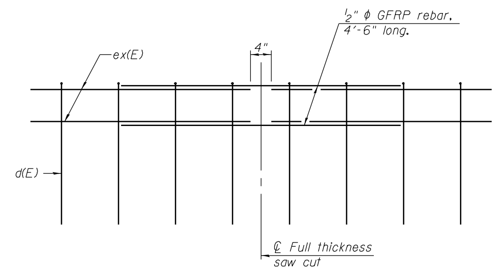


44" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" ϕ GFRP rebar)



#3 (E) BAR



GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)

SFP 39-44 1-14-2019

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LOCHMUELLER GROUP, 1528 Sub Bradley B. Smith Drive, Troy, IL 62294, PHONE: 618.667.3400	USER NAME = Betsy	DESIGNED - CPA	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE PARAPET SLIPFORMING OPTION STRUCTURE NO. 072-0248
	Illinois Design Firm Number 184.001670	CHECKED - ACS	REVISED		SHEET NO. 16 OF 34 SHEETS
	PLOT SCALE =	DRAWN - WJS	REVISED		
	PLOT DATE = 8/22/2019 3:51:10 PM	CHECKED - CPA	REVISED		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1388	(Z-1VB)BR-2	PEORIA	235	100
		CONTRACT NO. 68799		
		ILLINOIS FED. AID PROJECT		