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06-11-2021 LETTING ITEM 135

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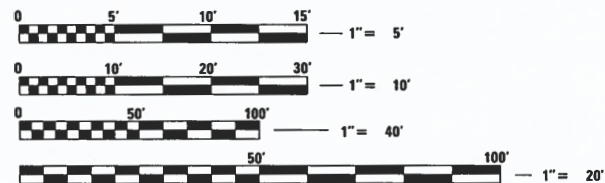
**HIGHWAY STANDARDS**

- |             |  |
|-------------|--|
| 000001-08   | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS   |
| 001001-02   | AREAS OF REINFORCEMENT BARS  |
| 280001-07   | TEMPORARY EROSION CONTROL SYSTEMS  |
| 515001-04   | NAME PLATES FOR BRIDGES  |
| 630001-12   | STEEL PLATE BEAM GUARDRAIL   |
| 630301-09   | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS   |
| 631032-09   | TRAFFIC BARRIER TERMINAL, TYPE 6A  |
| 701901-08   | TRAFFIC CONTROL DEVICES  |
| 701311-03   | LANE CLOSURE 2L, 2W MOVING OPERATIONS DAY ONLY   |
| 720001-01   | SIGN PANEL MOUNTING DETAILS  |
| 720006-04   | SIGN PANEL ERECTION DETAILS  |
| 725001-01   | OBJECT AND TERMINAL MARKERS  |
| 728001-01   | TELESCOPING STEEL SIGN SUPPORT   |
| 782006-01   | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS  |
| B.L.R. 21-9 | TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS  |
| B.L.R. 22-7 | TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC) |

**IDOT DISTRICT 4 STANDARDS**

- |           |                                      |
|-----------|--------------------------------------|
| 630101-D4 | GUARDRAIL EROSION CONTROL TREATMENTS |
| 780001-D4 | TYPICAL PAVEMENT MARKINGS            |

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



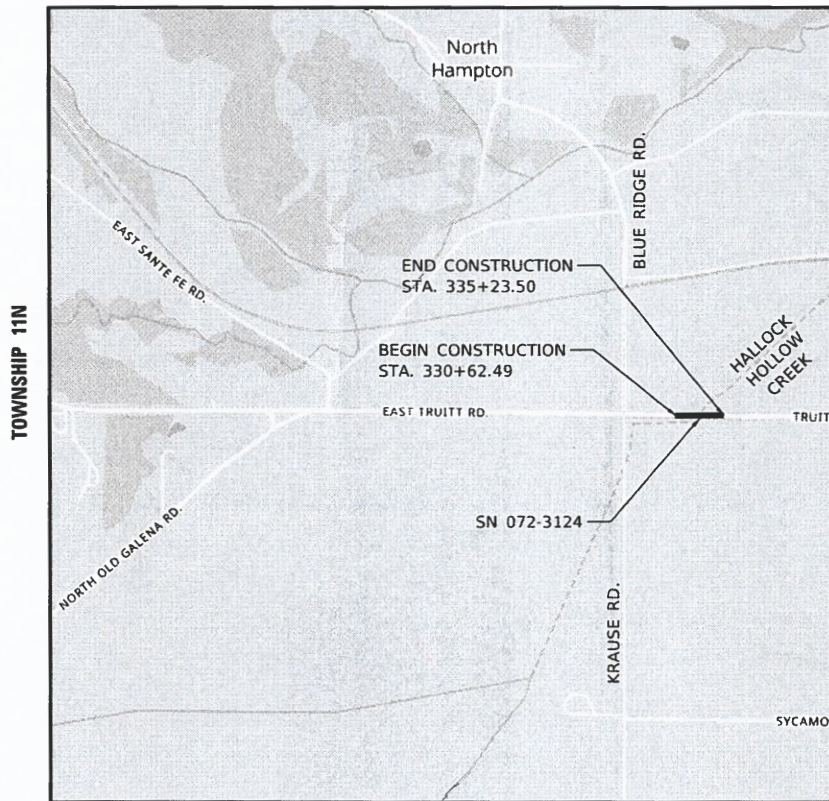
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

**PROJECT ENGINEER: MATTHEW DAWSON, P.E.**  
**PROJECT MANAGER: CINDY LOOS, P.E.**  
**CONTRACT NO. 89801**  
**CATALOG NO. 036128-00**

**STATE OF ILLINOIS**

**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PLANS FOR PROPOSED**  
**BRIDGE REPLACEMENT**

**STP-BRIDGE**  
**FAS 378 (CH D19 /TRUITT ROAD)**  
**PEORIA COUNTY**  
**SECTION 20-00045-00-BR**  
**PROJECT NO. NLCB(158)**  
**JOB NO. C-94-014-21**



GROSS LENGTH = 461.01 FT. = 0.087 MILE  
NET LENGTH = 354.70 FT. = 0.067 MILE

ADT (2017) = 2450, SU/MU=9%  
HIGHWAY CLASS: II  
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR  
DESIGN SPEED: 55 MPH  
POSTED SPEED LIMIT: 55 MPH  
DESIGN POLICY: BLR MANUAL-3R



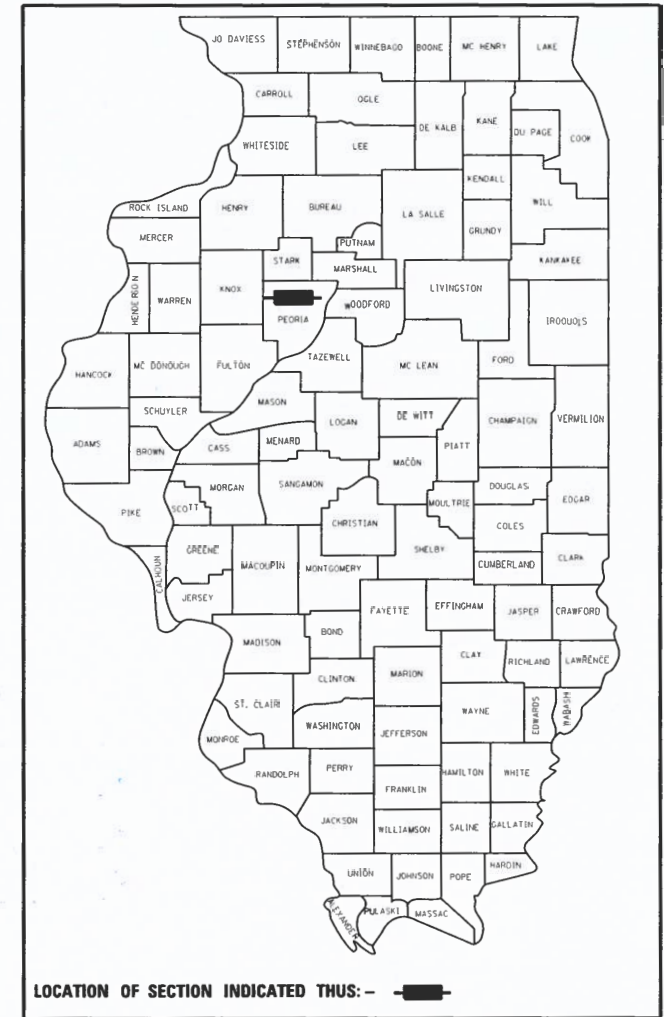
SECTION 24

STATE OF ILLINOIS  
MATTHEW G. DAWSON  
062-057939  
DATE SIGNED: 3/8/21  
LIC. EXP. DATE: 11/30/2021

DATE: 3/12/2021

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**HANSON**  
Hanson Professional Services Inc.  
7625 N. University St., Suite 200  
Peoria, Illinois 61614  
Offices Nationwide

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	1
		ILLINOIS	CONTRACT NO.	89801



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

**PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

APPROVED *March 19* 20 *21*  
*Amy Bereske Matson*  
COUNTY ENGINEER

PASSED *03-29* 20 *21*  
*Matthew Dawson*  
DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review *March 29* 20 *21*  
*Pamela Simon*  
REGION THREE ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

- THE CONSTRUCTION SHALL BE GOVERNED BY THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", 2016 EDITION AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", 2021 EDITION.
- ALL REFERENCES TO THE "DEPARTMENT" OR "ENGINEER" IN THE I.D.O.T. STANDARD SPECIFICATIONS SHALL BE CONSTRUED TO MEAN THE OWNER OR HIS AGENT AS APPROPRIATE.
- WHERE SECTION, SUB-SECTION, SUBDIVISION, OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN OWNER OR AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCY IMMEDIATELY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINES AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE WORK.
- ALL SECTIONS, DETAILS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE SHOWN.
- ALL THE ELEVATIONS, STATIONS, AND OFFSETS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- ALL PAVEMENT REMOVALS SHALL BE FULL DEPTH SAW CUT AT THE LIMITS TO BE REMOVED. THE COST OF THE SAW CUT IS INCLUDED IN PAVEMENT REMOVAL.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
- EXCESS MATERIAL, IF NOT USED FOR OTHER ON-SITE PURPOSES, SHALL BE HAULED OFF-SITE AT CONTRACTOR'S EXPENSE.
- THE WORK AREA SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION, AND TRAFFIC.
- APPLICATION RATES:  
 TEMPORARY SEEDING: 100 LB/ACRE  
 BITUMINOUS MATERIALS (PRIME COAT): 0.25 LB / SQ FT
- THE CONTRACTOR SHALL USE ANY ON SITE MATERIAL DEEMED SUITABLE BY THE ENGINEER BEFORE ANY NEW FILL IS HAULED TO THE SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- CONTRACTORS BIDDING THIS PROJECT SHALL VISIT THE SITE BEFORE BIDDING.
- ENGINEERS FIELD OFFICE**  
 ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02 (I) AND 670.04 (E):  
 ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.
- COMPLETE ROAD CLOSURE SHALL BE USED FOR DURATION OF CONSTRUCTION IN ACCORDANCE WITH HIGHWAY STANDARDS B.L.R. 21-9 AND B.L.R. 22-7.

**UTILITIES**

AMEREN (ELECTRIC) 6 EXECUTIVE DR. COLLINSVILLE, IL 62234 ATTN: NATE HILL 618.301.5327	AMEREN (GAS) PEORIA, IL ATTN: KENT KOWALSKA 309-677-7500	FRONTIER COMMUNICATIONS 112 W. ELM STREET SYCAMORE, IL 60178 ATTN: KALIN HINSHAW 815.895.1515 ATTN: TODD WILSON 309.557.1381
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**IDOT DISTRICT 4 GENERAL NOTES**

107.00 COMMITMENTS

THE 404 PERMIT WILL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION. THE BRIDGE BAT ASSESSMENT EXPIRES 01/29/2023. A VALID ASSESSMENT IS REQUIRED PRIOR TO PERFORMING ANY WORK BELOW THE EXISTING BRIDGE DECK SURFACE.

204.00 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. THE COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE VARIOUS REMOVAL PAY ITEM.

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.

406.05 POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

SURFACE TYPE	RESIDUAL RATE
MILLED (HMA OR PCC)	0.08 LB/SF
EXISTING PAVEMENT	0.08 LB/SF
FOG COAT (BETWEEN LIFTS)	0.08 LB/SF

606.14 TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

TEN FEET (10 FT.) (3 M) 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.

**LEGEND**

	CONTROL POINT		OVERHEAD ELECTRIC
	EXISTING TELEPHONE PEDESTAL		UNDERGROUND TELEPHONE
	EXISTING GUY		UNDERGROUND GAS
	EXISTING POWER POLE		EXISTING R.O.W.
	EXISTING SIGN		EXISTING GUARDRAIL
	EXISTING TREE		PROPOSED GUARDRAIL
	EXISTING R.O.W. MARKER		EXISTING FENCE
	PROPOSED SIGN		VEGITATION LINE

**UTILITY NOTE**

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

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

MICHELLE.Delaney  
 FILE NUMBER: 102102080CAD1800045StreetLight-gennex001.dgn

USER NAME = ander00846	DESIGNED - RDH	REVISED -
PLOT SCALE = 10,0000 ' / In.	DRAWN - RLA	REVISED -
PLOT DATE = 3/24/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRUITT ROAD  
GENERAL NOTES AND LEGEND**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89801	

CODE NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	520
20300100	CHANNEL EXCAVATION	CU YD	950
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3156
25100630	EROSION CONTROL BLANKET	SQ YD	3156
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	65
28000305	TEMPORARY DITCH CHECKS	FOOT	85
28000400	PERIMETER EROSION BARRIER	FOOT	332
28100107	STONE RIPRAP, CLASS A4	SQ YD	794
28200200	FILTER FABRIC	SQ YD	794
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	179
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	584
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	1295
40603230	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	124
40604150	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	172

CODE NO.	ITEM	UNIT	QUANTITY
44000100	PAVEMENT REMOVAL	SQ YD	259
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	714
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	359
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1
50102400	CONCRETE REMOVAL	CU YD	6.8
50104650	SLOPE WALL REMOVAL	SQ YD	646
50200100	STRUCTURE EXCAVATION	CU YD	86
50300225	CONCRETE STRUCTURES	CU YD	7.8
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1932
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1800
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1040
Δ 50901050	STEEL RAILING, TYPE SM	FOOT	213
51500100	NAME PLATES	EACH	1
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	415

Δ SPECIALTY ITEMS

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021
SCALE	1" = 20'	
FILE NAME	I:\3000\420\02\BR\CD\Road\Sheet\415-50001.dgn	

USER NAME = ander00846	DESIGNED - RDH	REVISED -
PLOT SCALE = 2.00' / in.	DRAWN - RLA	REVISED -
PLOT DATE = 3/5/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRUITT ROAD  
 SUMMARY OF QUANTITIES

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	3
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	QUANTITY
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	1140
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	44
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	32
Δ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	100
Δ 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
Δ 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	410
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5
67100100	MOBILIZATION	L SUM	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14
Δ 72000100	SIGN PANEL - TYPE 1	SQ FT	14
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
Δ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	32
Δ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1038

CODE NO.	ITEM	UNIT	QUANTITY
Δ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
XX006343	SEEDING (COMPLETE)	SQ YD	3156
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	160
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	18
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	128
# Z0076600	TRAINEES	HOURL	500
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500

Δ SPECIALTY ITEMS # 0042

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/05/2021
REVIEWED	MGD	2/26/2021

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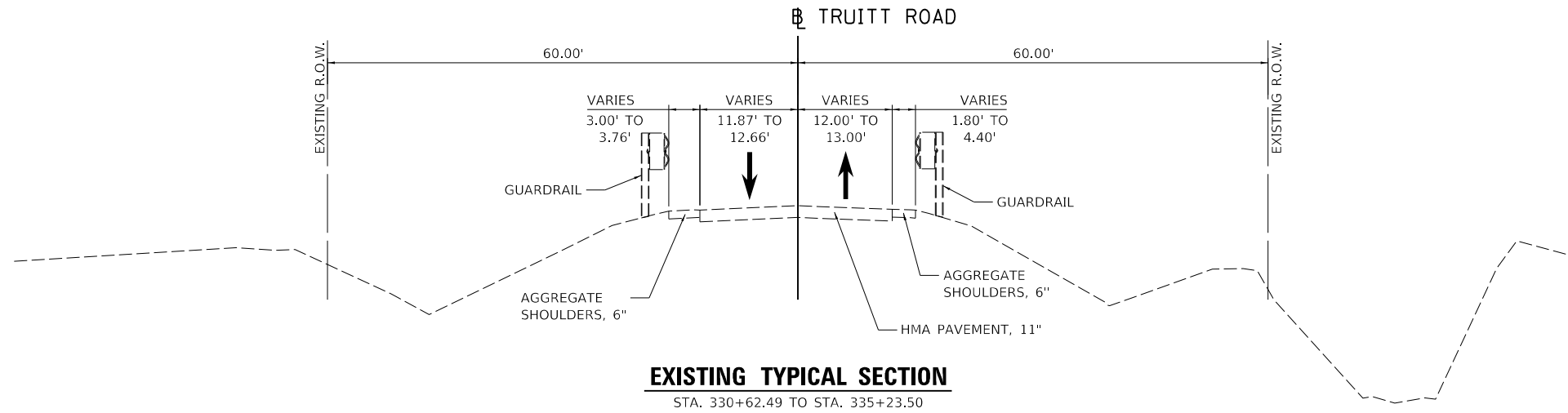
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PLOT DATE = 3/5/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: NTS		SHEET	OF	SHEETS	STA.	TO STA.
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TRUITT ROAD  
 SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	4
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				



BRIDGE OMISSION  
 STA. 332+39.84 TO STA. 333+46.16

NOTE:  
 PAVEMENT AND SHOULDER DEPTHS  
 ASSUMED BASED ON AS BUILT PLANS.

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

FILE NAME: I:\2020jobs\2000208\CAD\road\Sheet\typical01.dwg

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PLOT DATE = 3/5/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TRUITT ROAD          EXISTING TYPICAL SECTION</b>			
SCALE: NTS	SHEET	OF	SHEETS
STA.	TO STA.		

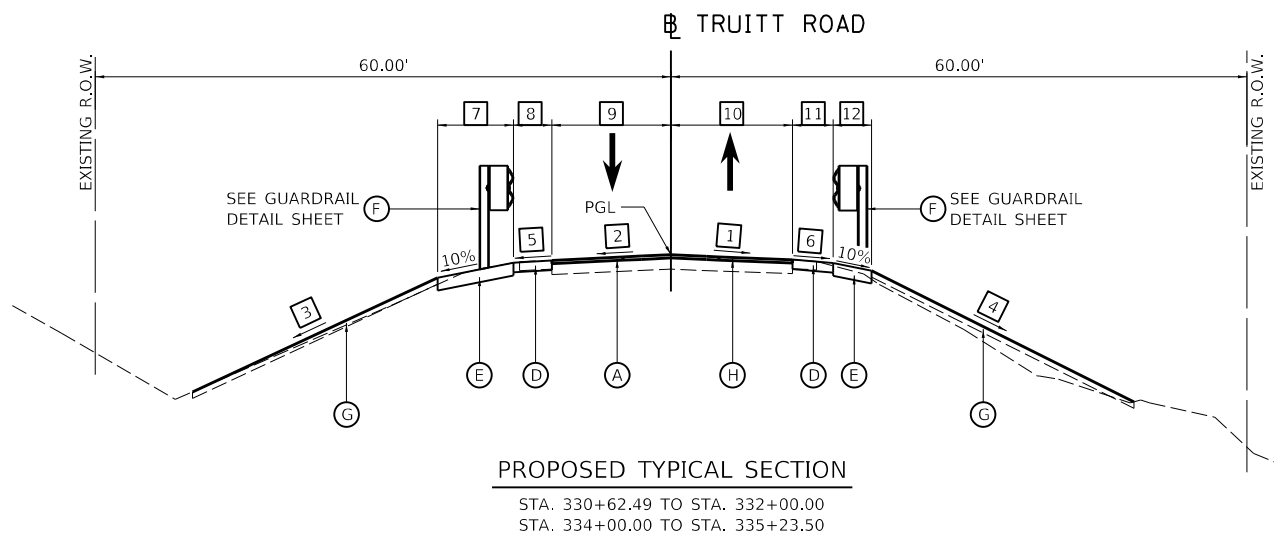
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	5
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- (A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 2"
- (B) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8 1/2"
- (C) SUBBASE GRANULAR MATERIAL, TYPE A, 12"
- (D) HMA SHOULDERS, 6"
- (E) GUARDRAIL AGGREGATE EROSION CONTROL, 8"
- (F) STEEL PLATE BEAM GUARDRAIL (SEE GUARDRAIL DETAIL SHEET)
- (G) TOPSOIL FURNISH AND PLACE, 4"
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2"

HMA MIXTURE REQUIREMENTS		
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:		
LOCATION:	TRUITT ROAD	
MIXTURE USE(S):	POLYMERIZED HMA SURFACE COURSE HMA SHOULDER (SURFACE LIFT)	POLYMERIZED HMA BINDER COURSE HMA SHOULDER (LOWER LIFT)
PG:	SBS 64-28	SBS 64-28
DESIGN AIR VOIDS:	4.0% @ N-50	4.0% @ N-50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICITION AGGREGATE:	MIXTURE C	N/A
MIXTURE WEIGHT:	112 LB/SQ YD/IN	112 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A

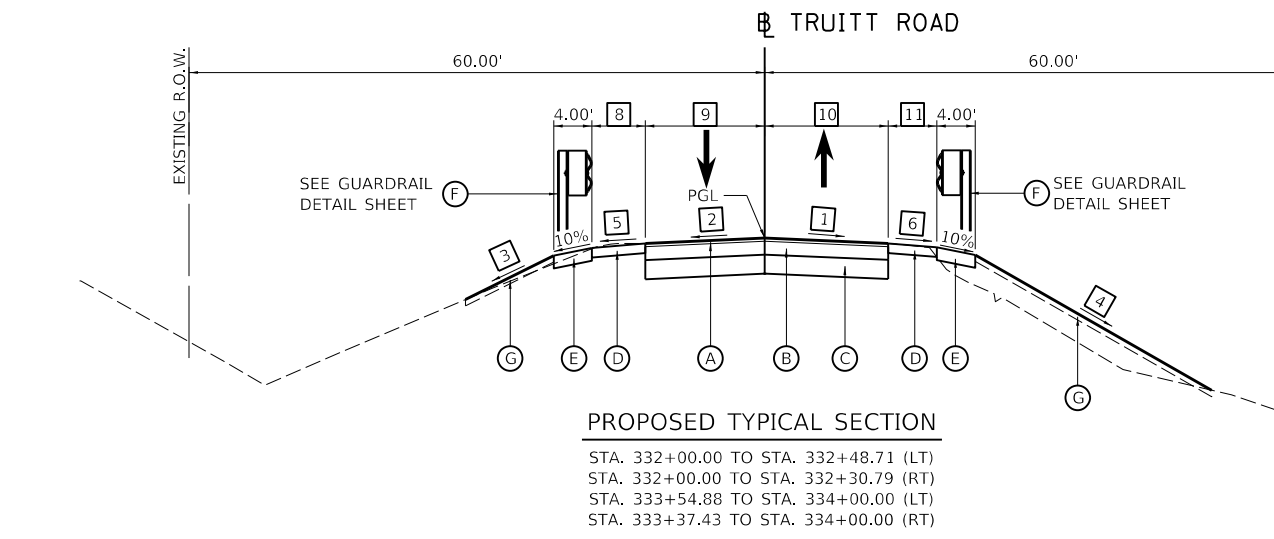
STRUCTURAL DESIGN TRAFFIC:	YEAR <u>2017</u>	ADT <u>2450</u>
PV = <u>91%</u>	SU = _____	MU = <u>9%</u>
ROAD/STREET CLASSIFICATION:	CLASS <u>II</u>	
PERCENTAGE OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE	P = <u>50%</u> S = <u>50%</u> M = <u>50%</u>	
TRAFFIC FACTOR:	ACTUAL TF = <u>N/A</u>	AC TYPE = <u>N/A</u>
	MINIMUM TF = <u>N/A</u>	
PG GRADE: Binder=	<u>58-22</u>	Surface = <u>64-22</u>
SUBGRADE SUPPORT RATING:	SSR = <u>POOR</u> (STA. <u>330+62.49</u> TO <u>335+23.50</u> )	
	SSR = _____ (STA. _____ TO _____)	



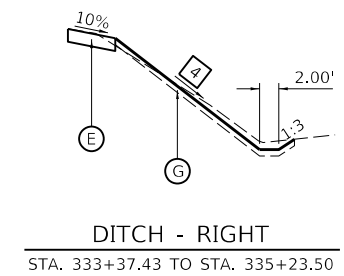
**PROPOSED TYPICAL SECTION**  
 STA. 330+62.49 TO STA. 332+00.00  
 STA. 334+00.00 TO STA. 335+23.50

**BRIDGE OMISSION**  
 STA. 332+48.71 TO STA. 333+54.88 (LT)  
 STA. 332+30.79 TO STA. 333+37.43 (RT)

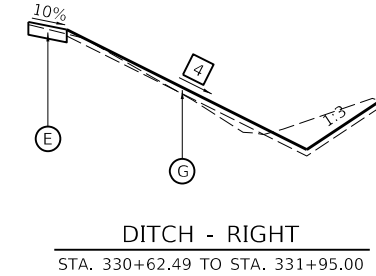
- 1** ROADWAY CROSS SLOPE - RIGHT  
 STA. 330+62.49 TO STA. 332+03.46 = MATCH EXISTING  
 STA. 332+03.46 TO STA. 332+18.00 = TRANSITION FROM -2.06% TO -1.56%  
 STA. 332+18.00 TO STA. 333+74.00 = -1.56%  
 STA. 333+74.00 TO STA. 333+95.65 = TRANSITION FROM -1.56% TO -2.27%  
 STA. 333+95.65 TO STA. 335+23.50 = MATCH EXISTING
- 2** ROADWAY CROSS SLOPE - LEFT  
 STA. 330+62.49 TO STA. 332+03.46 = MATCH EXISTING  
 STA. 332+03.46 TO STA. 332+25.00 = TRANSITION FROM -2.33% TO -1.56%  
 STA. 332+25.00 TO STA. 333+71.00 = -1.56%  
 STA. 333+71.00 TO STA. 333+95.65 = TRANSITION FROM -1.56% TO -2.44%  
 STA. 333+95.65 TO STA. 335+23.50 = MATCH EXISTING
- 3** SIDE SLOPE - LEFT  
 STA. 330+62.49 TO STA. 331+45.00 = 1:5  
 STA. 331+45.00 TO STA. 331+65.00 = TRANSITION FROM 1:5 TO 1:4  
 STA. 331+65.00 TO STA. 332+48.71 = 1:4  
 STA. 333+54.88 TO STA. 333+75.00 = 1:3  
 STA. 333+75.00 TO STA. 334+25.00 = TRANSITION FROM 1:3 TO 1:4  
 STA. 334+25.00 TO STA. 335+23.50 = 1:4
- 4** SIDE SLOPE - RIGHT  
 STA. 330+62.49 TO STA. 331+90.00 = 1:4  
 STA. 331+90.00 TO STA. 332+10.00 = TRANSITION FROM 1:4 TO 1:3.5  
 STA. 332+10.00 TO STA. 332+30.79 = 1:3.5  
 STA. 333+37.43 TO STA. 333+70.00 = 1:2.5  
 STA. 333+70.00 TO STA. 334+10.00 = TRANSITION FROM 1:2.5 TO 1:3.5  
 STA. 334+10.00 TO STA. 334+45.00 = TRANSITION FROM 1:3.5 TO 1:4  
 STA. 334+45.00 TO STA. 335+23.50 = 1:4
- 5** SHOULDER SLOPE - LEFT  
 STA. 330+62.49 TO STA. 332+35.00 = -4.00%  
 STA. 332+35.00 TO STA. 332+45.00 = TRANSITION FROM -4.00% TO -1.56%  
 STA. 332+45.00 TO STA. 333+55.00 = -1.56%  
 STA. 333+55.00 TO STA. 333+65.00 = TRANSITION FROM -1.56% TO -4.00%  
 STA. 333+65.00 TO STA. 335+23.50 = -4.00%
- 6** SHOULDER SLOPE - RIGHT  
 STA. 330+62.49 TO STA. 332+20.00 = -4.00%  
 STA. 332+20.00 TO STA. 332+30.00 = TRANSITION FROM -4.00% TO -1.56%  
 STA. 332+30.00 TO STA. 333+40.00 = -1.56%  
 STA. 333+40.00 TO STA. 333+50.00 = TRANSITION FROM -1.56% TO -4.00%  
 STA. 333+50.00 TO STA. 335+23.50 = -4.00%
- 7** AGGREGATE SHOULDER WIDTH - LEFT  
 STA. 330+62.49 TO STA. 331+42.68 = 0.00'  
 STA. 331+42.68 TO STA. 331+65.18 = TRANSITION FROM 0.00' TO 10.00'  
 STA. 331+65.18 TO STA. 331+90.18 = 10.00'  
 STA. 331+90.18 TO STA. 332+15.18 = TRANSITION FROM 10.00' TO 4.00'  
 STA. 332+15.18 TO STA. 332+40.15 = 4.00'  
 STA. 333+63.32 TO STA. 334+46.03 = 4.00'  
 STA. 334+46.03 TO STA. 334+71.02 = TRANSITION FROM 4.00' TO 10.00'  
 STA. 334+71.02 TO STA. 334+96.01 = 10.00'  
 STA. 334+96.01 TO STA. 335+18.50 = TRANSITION FROM 10.00' TO 0.00'  
 STA. 335+18.50 TO STA. 335+23.50 = 0.00'



**PROPOSED TYPICAL SECTION**  
 STA. 332+00.00 TO STA. 332+48.71 (LT)  
 STA. 332+00.00 TO STA. 332+30.79 (RT)  
 STA. 333+54.88 TO STA. 334+00.00 (LT)  
 STA. 333+37.43 TO STA. 334+00.00 (RT)



**DITCH - RIGHT**  
 STA. 333+37.43 TO STA. 335+23.50



**DITCH - RIGHT**  
 STA. 330+62.49 TO STA. 331+95.00

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

FILE: \\p0100330\02020\CAD\Road\Structure\Truitt\Truitt02.dwg

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PLOT DATE = 3/5/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

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

<b>TRUITT ROAD</b>		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>PROPOSED TYPICAL SECTIONS</b>		378	20-00045-00-BR	PEORIA	36	6
SCALE: NTS	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 89801		

ILLINOIS	FED. AID PROJECT
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REMOVAL SCHEDULE				
LOCATION		44000100	44000157	63200310
		PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	GUARDRAIL REMOVAL
BEGIN STATION	END STATION	SQ YD	SQ YD	FOOT
TRUITT RD				
332+31.39	332+39.83	111	378	205
333+46.15	333+54.62	148	336	205
TOTAL		259	714	410

HMA PAVEMENT AND SHOULDER SCHEDULE							
LOCATION		31100100	40600275	40600295	40603230	40604150	48203021
		SUBBASE GRANULAR MATERIAL, TYPE A	BITUMINOUS MATERIALS (PRIME COAT)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	HOT-MIX ASPHALT SHOULDERS, 6"
BEGIN STATION	END STATION	TON	POUND	POUND	TON	TON	SQ YD
TRUITT ROAD							
332+31.39	332+39.83	77	251	513	53	55	179
333+46.15	333+54.62	102	333	561	71	54	180
FROM STRUCTURAL PLANS				221		63	
TOTAL		179	584	1,295	124	172	359

GUARDRAIL SCHEDULE								
LOCATION			63000001	63100087	63100169	72501000	78200005	Z0001002
			STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6A	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL AGGREGATE EROSION CONTROL
BEGIN STATION	END STATION	SIDE	FOOT	EACH	EACH	EACH	EACH	TON
TRUITT RD.								
330+62.49	332+52.44	LT	0.0	1	1	1	4	35
330+62.49	332+30.79	RT	50.0	1	1	1	4	45
333+54.88	335+23.50	LT	50.0	1	1	1	4	45
333+33.55	335+23.50	RT	0.0	1	1	1	4	35
TOTAL			100	4	4	4	16	160

PAVEMENT MARKING SCHEDULE		
LOCATION		78009004
		MODIFIED URETHANE PAVEMENT MARKING - LINE 4"
BEGIN STATION	END STATION	FOOT
TRUITT RD		
330+62.49	335+23.50	1,038
TOTAL		1,038

SIGN SCHEDULE						
LOCATION				72000100	72800100	
				SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT	
STATION	OFFSET	LT/RT	PANEL	DESCRIPTION	SQ FT	FOOT
TRUITT RD.						
331+94.18	22.75	LT	W2-1	INTERSECTION WARNING	6.25	16.5
			W16-8p	STREET NAME	1.50	
33+49.14	24.13	LT	M1-6	COUNTY ROUTE SIGN	4.00	15.5
			M6-6	DIRECTIONAL ARROW	2.25	
TOTAL					14	32

TOPSOIL AND SEEDING SCHEDULE						
LOCATION		21101615	25100630	28000250	28000400	X006343
		TOPSOIL FURNISH AND PLACE, 4"	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	SEEDING (COMPLETE)
BEGIN STATION	END STATION	SQ YD	SQ YD	POUND	FOOT	SQ YD
TRUITT ROAD						
330+62.49	332+39.83	1,593	1,593	33	285	1,593
333+46.15	335+23.50	1,563	1,563	32	47	1,563
TOTAL		3,156	3,156	65	332	3,156

TEMPORARY DITCH CHECK SCHEDULE		
LOCATION		28000305
		TEMPORARY DITCH CHECKS
STATION	OFFSET	FOOT
TRUITT RD.		
331+72.04	46.30' RT	6
332+16.35	51.93' LT	7
332+98.96	42.33' RT	32
333+41.79	38.74' RT	7
333+87.89	51.85' LT	10
334+19.58	48.81' LT	9
334+32.28	44.11' RT	8
334+58.64	46.44' LT	6
TOTAL		85

EARTHWORK SUMMARY						
LOCATION		20200100	20300100	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		EARTH EXCAVATION	CHANNEL EXCAVATION	CU YD	CU YD	CU YD
BEGIN STATION	END STATION	CU YD	CU YD	CU YD	CU YD	CU YD
TRUITT RD.						
330+62.49	332+52.62	220		165	39	126
333+33.37	335+23.50	300		225	50	175
CREEK						
0+00.00	1+10.84		950		3	947
TOTAL		520	950	390	91	1,249

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

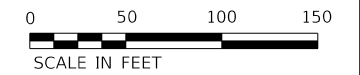
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	DATE - 3/12/2021	REVISED -

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

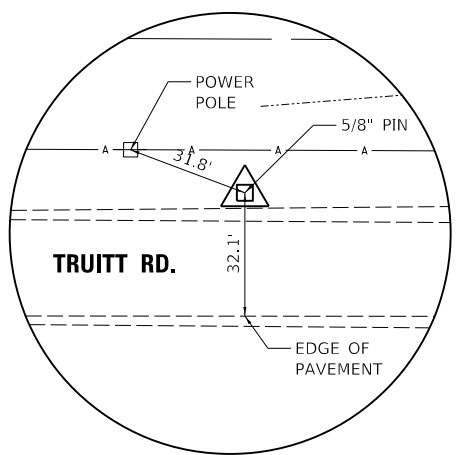
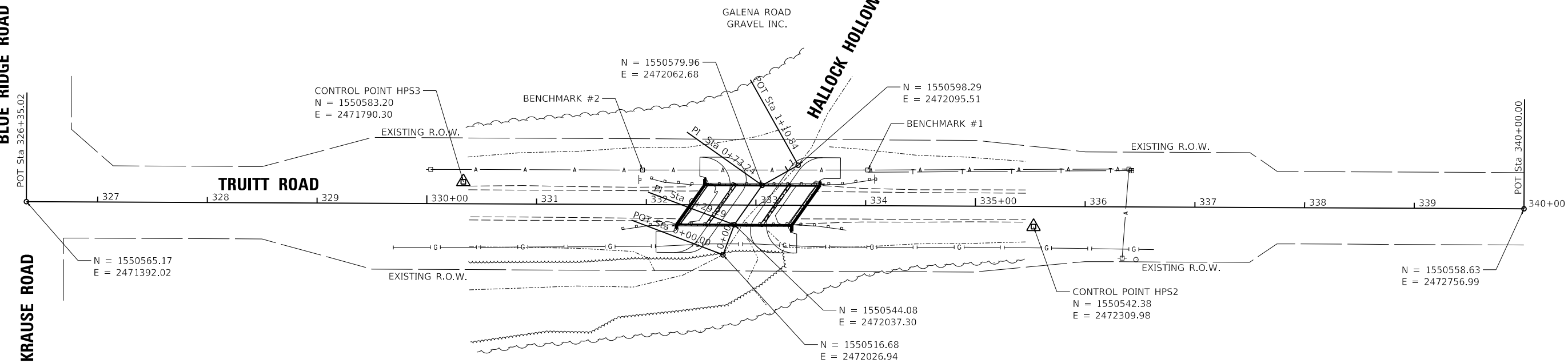
<b>TRUITT ROAD</b>	
<b>SCHEDULE OF QUANTITIES</b>	
SCALE: NTS	SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	7
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

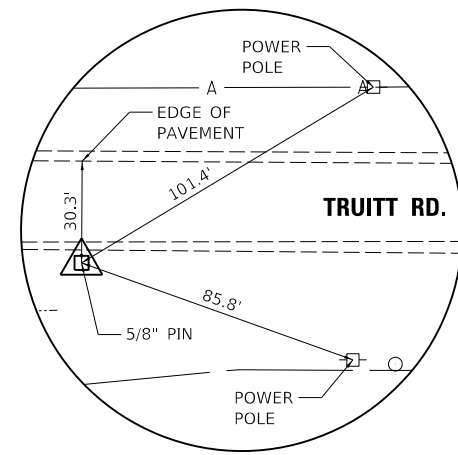


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**BLUE RIDGE ROAD**  
 POT Sta 326+35.02  
**KRAUSE ROAD**



**RECOVERY TIE - STA. 330 + 33.21**  
 CONTROL POINT HPS3 - 5/8" PIN



**RECOVERY TIE - STA. 335 + 53.08**  
 CONTROL POINT HPS2 - 5/8" PIN

BENCHMARK #1 STA. 334+01.69, 32.25' LT., ELEV. = 512.18  
 COTTON SPINDLE IN SOUTH FACE OF THE  
 FIRST POWER POLE EAST OF BRIDGE ON  
 THE NORTH SIDE OF TRUITT RD  
  
 BENCHMARK #2 STA. 331+96.50, 31.31' LT., ELEV. = 512.80  
 COTTON SPINDLE IN SOUTH FACE OF THE  
 FIRST POWER POLE WEST OF BRIDGE ON  
 THE NORTH SIDE OF TRUITT RD

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

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	DATE - 3/12/2021	REVISED -

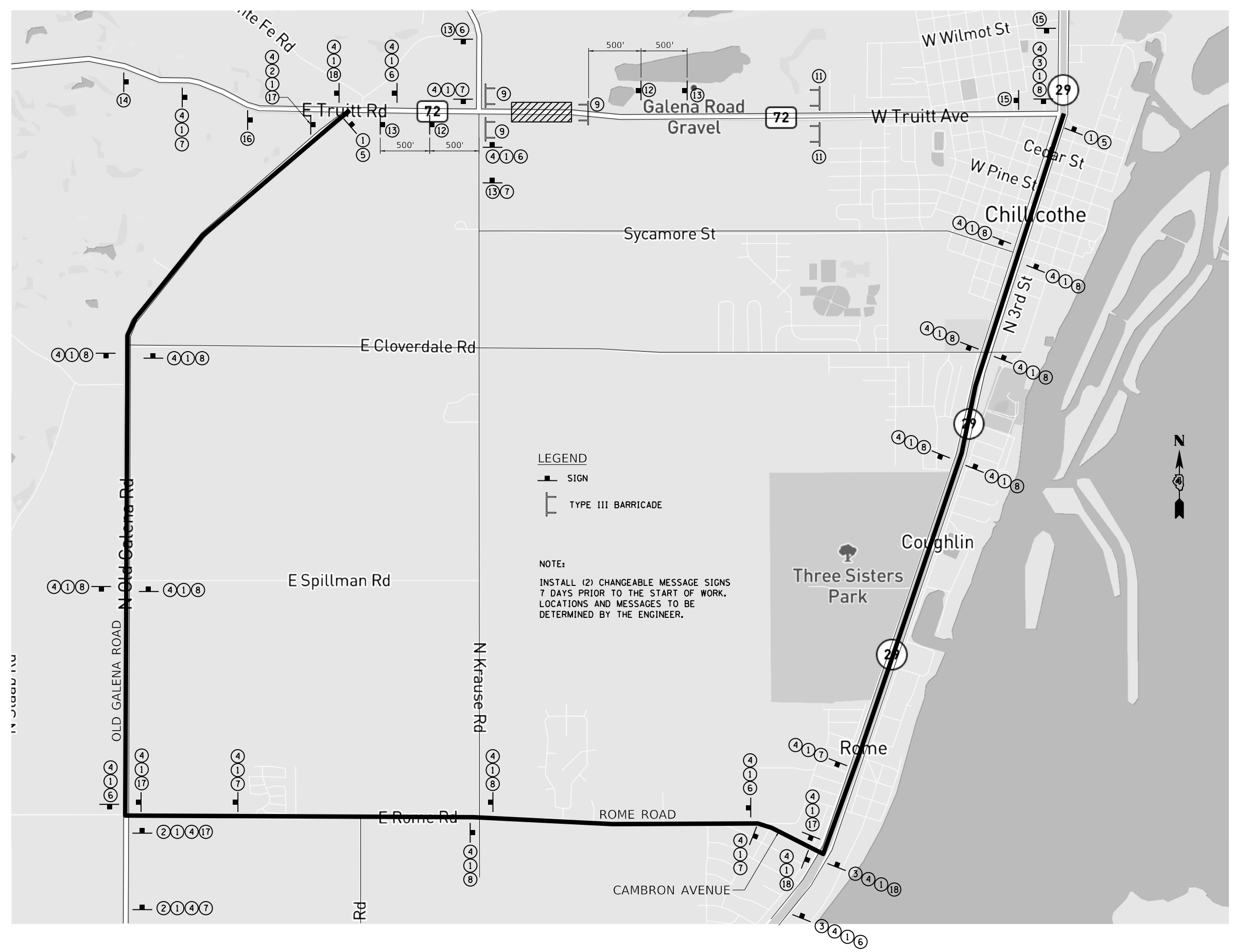
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TRUITT ROAD</b>			
<b>ALIGNMENTS, BENCHMARKS, AND TIES</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	8
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				



- ① **Truitt Rd**
- ② **EAST** M3-1 24"x12"    ③ **WEST** M3-3 24"x12"
- ④ **DETOUR** M4-8 24"x18"    ⑤ **END DETOUR** M4-8a 24"x18"
- ⑥ **←** M5-1L 21"x15"    ⑦ **→** M5-1R 21"x15"
- ⑧ **↑** M6-3 21"x15"
- ⑨ **ROAD CLOSED** R11-2 48"x30"
- ⑩ **BRIDGE OUT 1 MILES AHEAD LOCAL TRAFFIC ONLY** R11-3b 60"x30"
- ⑪ **BRIDGE OUT 1.2 MILES AHEAD LOCAL TRAFFIC ONLY** R11-3b 60"x30"
- ⑫ **ROAD CLOSED 500 FT** W20-3 36"x36"
- ⑬ **ROAD CLOSED 1000 FT** W20-3 36"x36"
- ⑭ **DETOUR AHEAD** W20-2 36"x36"
- ⑮ **ROAD CLOSED 2.5 MILES** W20-3 36"x36"
- ⑯ **ROAD CLOSED 1 MILE** W20-3 36"x36"
- ⑰ **→** M6-1R 21"x15"    ⑱ **←** M6-1L 21"x15"



**LEGEND**  
 ■ SIGN  
 [ ] TYPE III BARRICADE

**NOTE:**  
 INSTALL (2) CHANGEABLE MESSAGE SIGNS 7 DAYS PRIOR TO THE START OF WORK. LOCATIONS AND MESSAGES TO BE DETERMINED BY THE ENGINEER.



LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

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PLOT DATE	= 3/5/2021	CHECKED -	MGD	REVISED -	
		DATE -	3/12/2021	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TRUITT ROAD DETOUR PLAN</b>		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NTS	SHEET	OF	SHEETS	STA.	TO STA.	

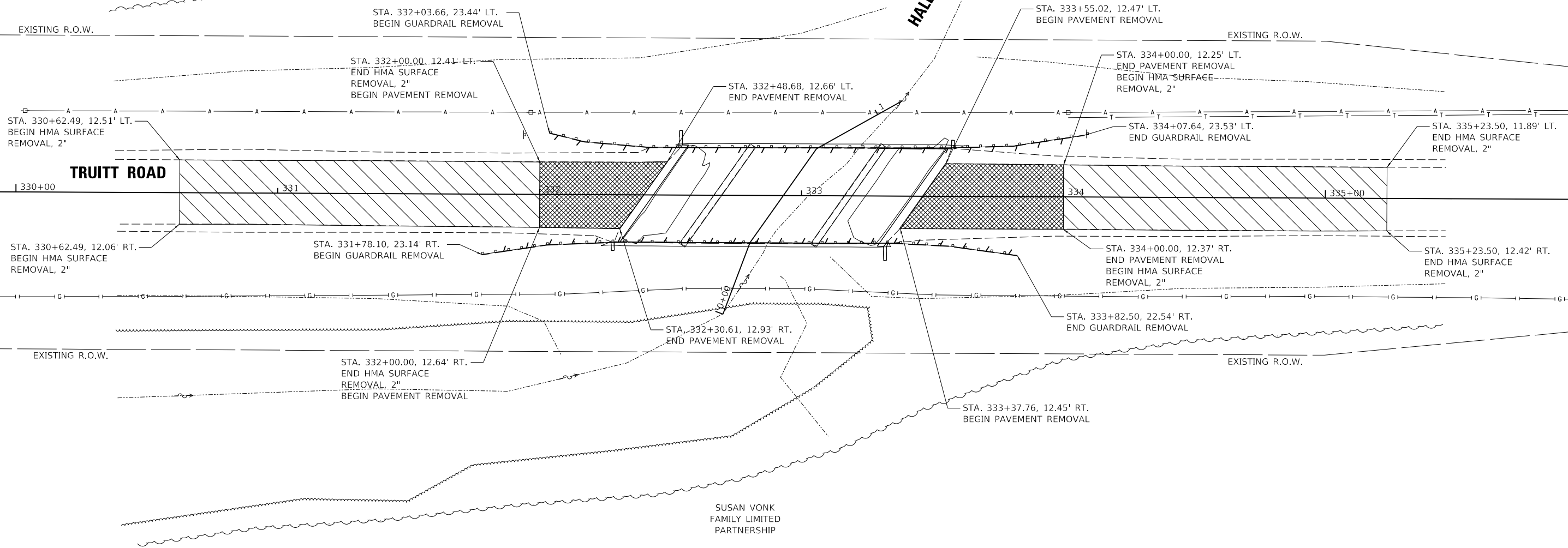
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CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				




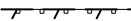
GALENA ROAD  
GRAVEL INC.

**HALLOCK HOLLOW CREEK**

SUSAN VONK  
FAMILY LIMITED  
PARTNERSHIP



**LEGEND**

-  HOT-MIX ASPHALT SURFACE REMOVAL, 2"
-  PAVEMENT REMOVAL
-  GUARDRAIL REMOVAL

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LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

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PLOT DATE = 3/5/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRUITT ROAD REMOVAL PLAN</b>	
SCALE: 1"=20'	SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	10
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

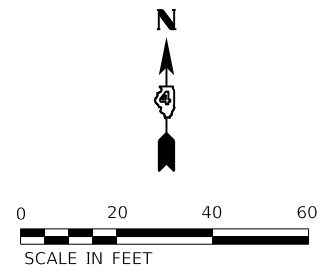
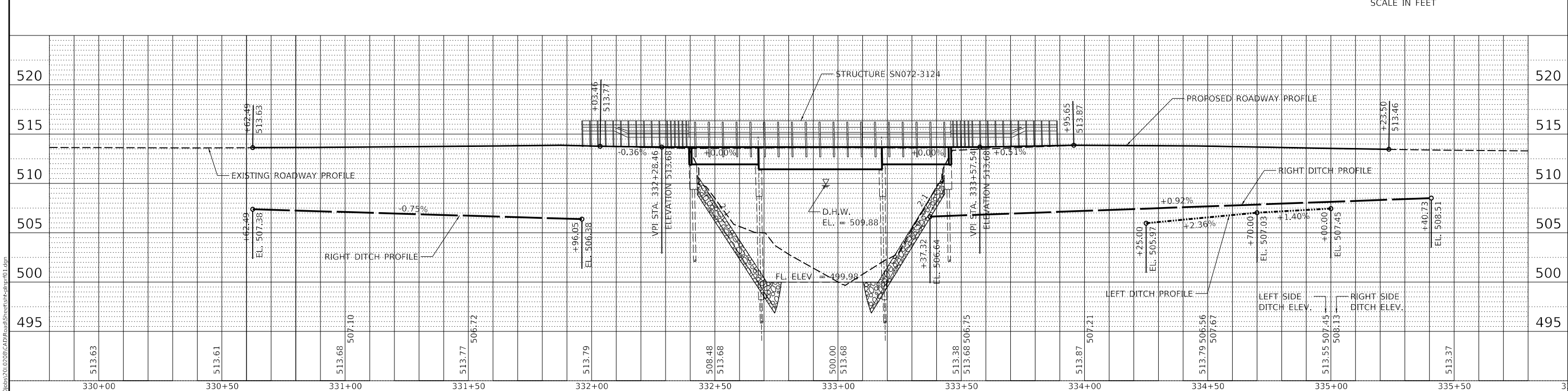
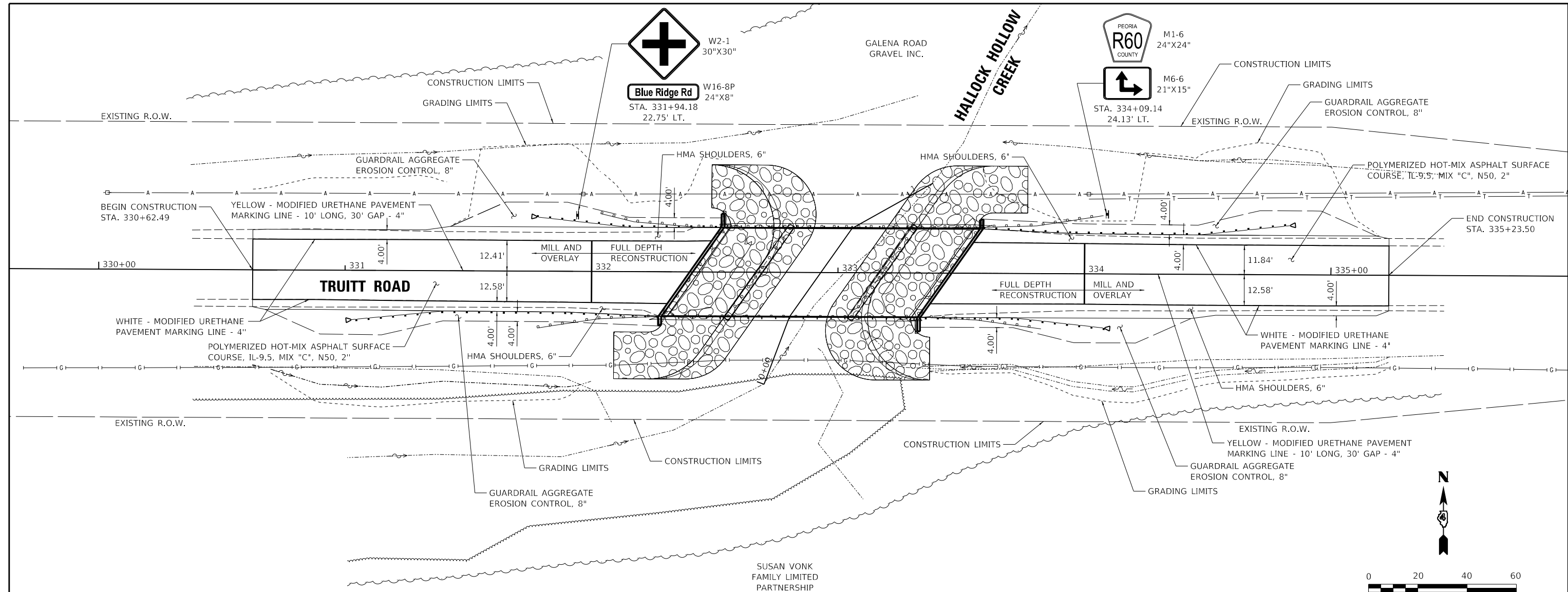
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTARIS	
	CPWD	
	NO.	

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

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PLOT DATE	= 3/8/2021	DATE	- 3/12/2021	REVISED	-

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

<b>TRUITT ROAD</b>	
<b>PLAN AND PROFILE</b>	
SCALE: 1"=20'	SHEET OF SHEETS
STA. TO STA.	

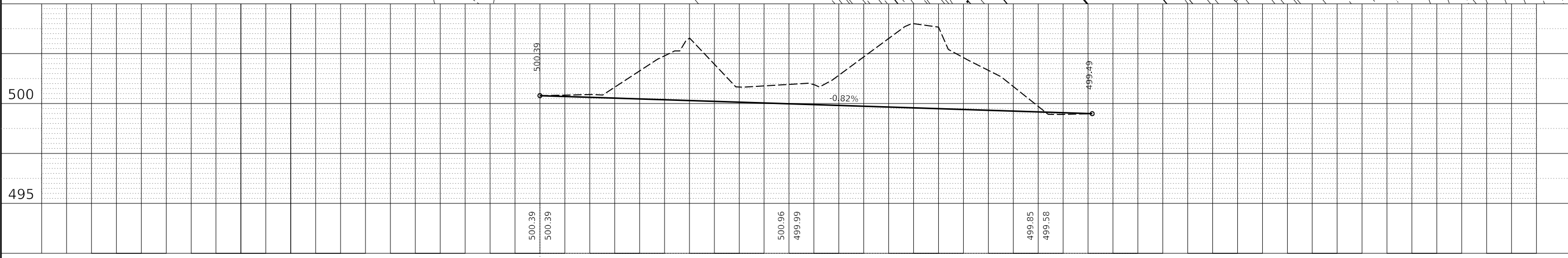
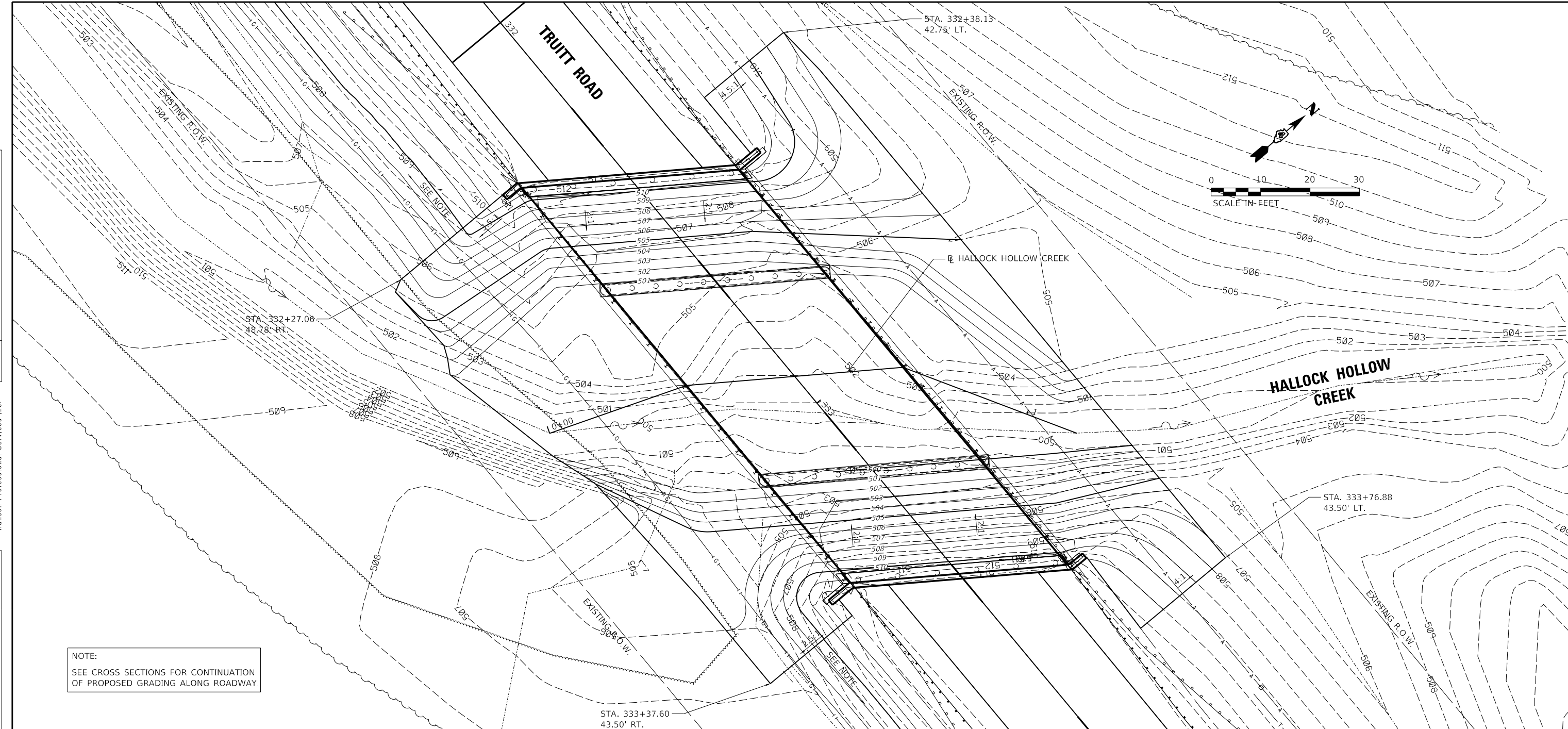
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378	20-00045-00-BR	PEORIA	36	11
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

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



PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK	GRADES CHECKED	
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LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

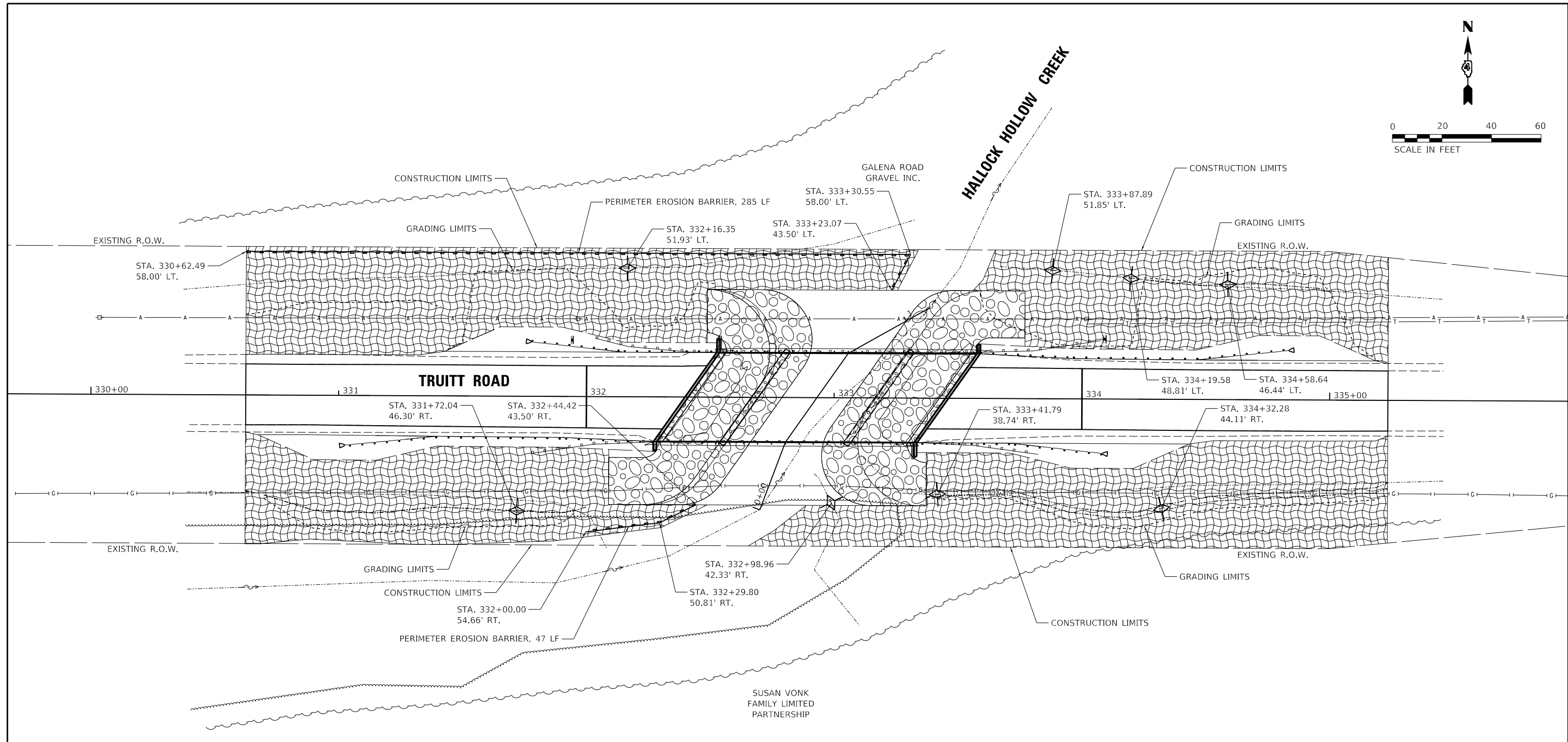


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PLOT DATE = 3/5/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRUITT ROAD CREEK PLAN AND PROFILE	
SCALE: 1"=10'	SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	12
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				



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**LEGEND**

- PERIMETER EROSION BARRIER
- STONE RIPRAP, CLASS A4 (SEE STRUCTURE PLANS)
- EROSION CONTROL BLANKET SEEDING (COMPLETE)
- TEMPORARY DITCH CHECK

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

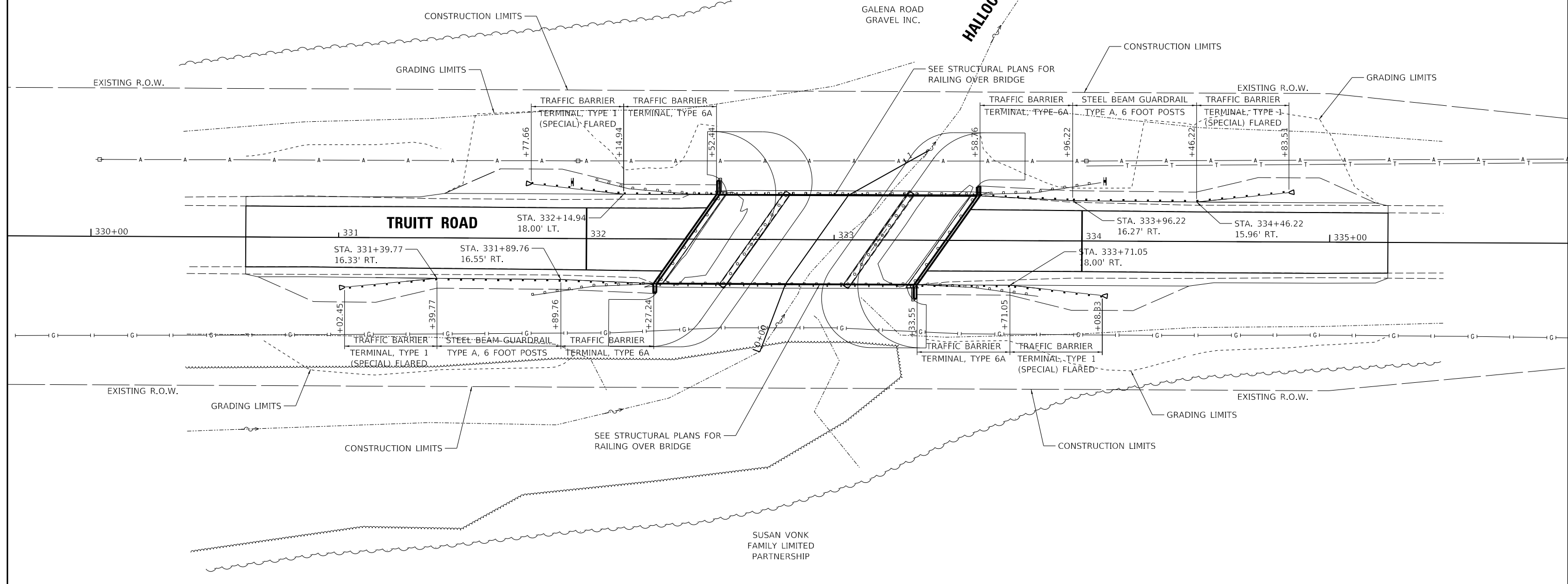
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PLOT DATE = 3/5/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

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

<b>TRUITT ROAD</b>	
<b>EROSION CONTROL PLAN</b>	
SCALE: 1"=20'	SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	13
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				



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**NOTES:**  
 1. ASSUMED LENGTH OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL), FLARED IS 37'-6". IF LONGER SYSTEM USED SHOULDER WIDENING WILL NEED TO BE SHIFTED TO MATCH STANDARD PLAN 630301.

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/26/2021
REVIEWED	MGD	2/26/2021

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PLOT DATE = 3/5/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

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

<b>TRUITT ROAD</b>	
<b>GUARDRAIL DETAIL</b>	
SCALE: 1"=20'	SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	14
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

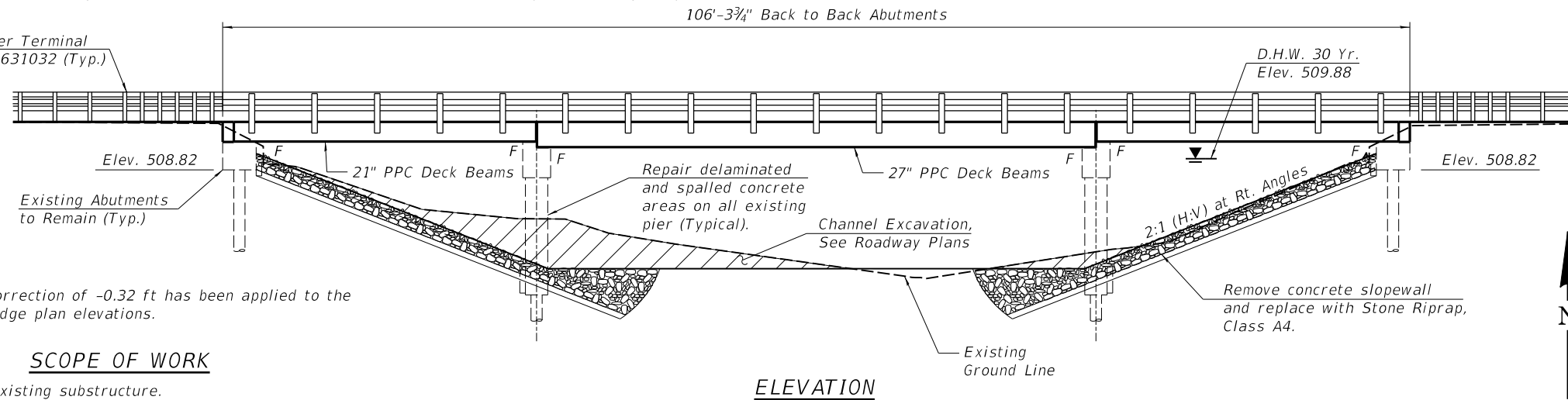
B.M. #1 - Cotton spindle in south face of first powerpole east of bridge on the north side of Truitt Rd., Elev. 512.18.  
 B.M. #2 - Cotton spindle in south face of first powerpole west of bridge on the north side of Truitt Rd., Elev. 512.80.

Existing Structure (No. 072-3124):

Original structure was constructed in 1990 and consists of a three-span Prestressed Precast Deck Beam Superstructure with a 35° Lt. Fwd. Skew, 106'-3 3/4" Bk. to Bk., having span lengths of 28'-1 1/4", 50'-1 1/4", 28'-1 1/4" and out to out width of 36'-0".

The Superstructure along with the abutment backwalls are to be removed and replaced during complete closure.  
 No Salvage

Traffic Barrier Terminal  
 Type 6A Std. 631032 (Typ.)

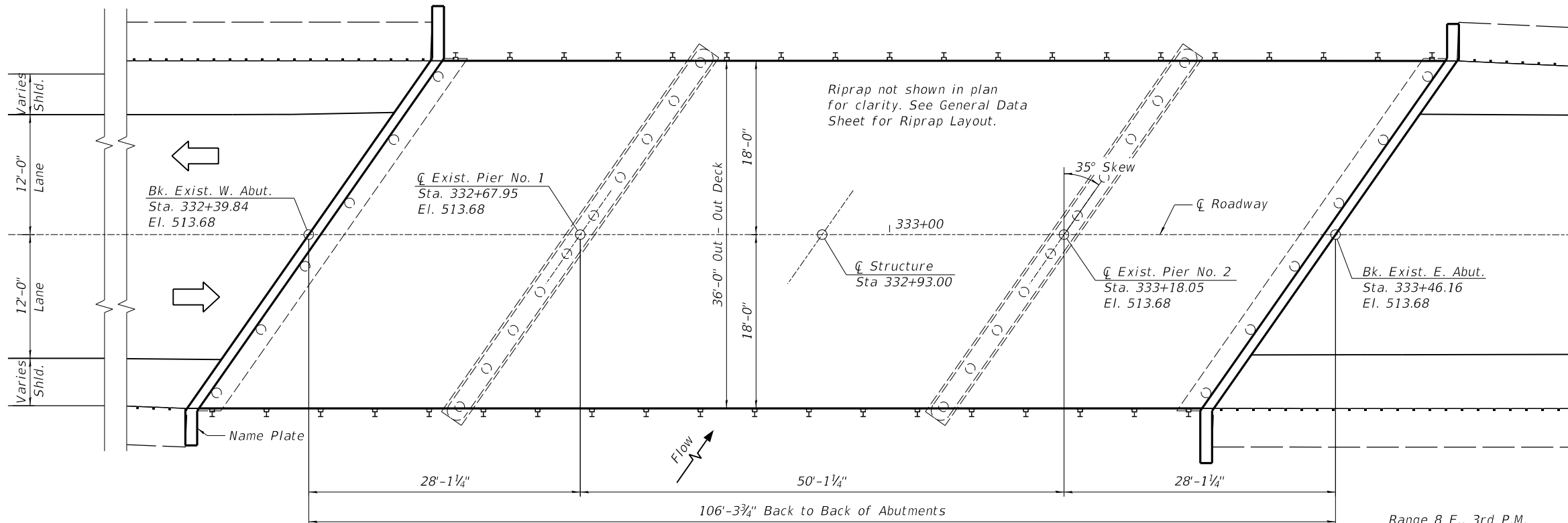


Notes:  
 A datum correction of -0.32 ft has been applied to the existing bridge plan elevations.

**SCOPE OF WORK**

1. Repair existing substructure.
2. Remove and replace existing deck beams and abutment backwalls.
3. Remove concrete slopewall and replace with Stone Riprap, Class A4.
4. Install waterproofing membrane and HMA wearing surface.

**ELEVATION**



**PLAN**

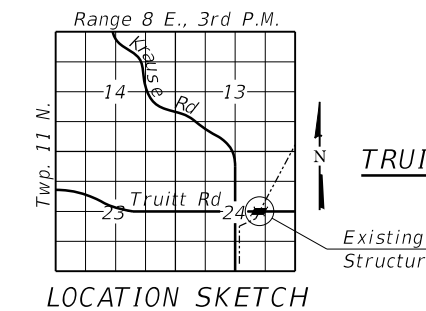
**WATERWAY INFORMATION**

Drainage Area = 9.94 Sq. Mi. Low Grade Elev. 513.40 @ Sta. 332+93

Flood	Freq. Yr.	Q C.F.S.	Opening Ft <sup>2</sup>		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	30	4047	679	720	509.88	1.5	1.5	511.7	511.38
	100	5446	679	720	510.13	1.75	1.75	512.2	511.88

**DESIGN SCOUR ELEVATION TABLE**

Event/Limit State	Design Scour Elev. (ft.)				Item 113
	N. Abut.	Pier 1	Pier 2	S. Abut.	
Q100	508.82	490.11	490.11	508.82	5
Q200	508.82	490.11	490.11	508.82	
Design	508.82	490.11	490.11	508.82	
Check	508.82	490.11	490.11	508.82	



**LOCATION SKETCH**

**LOADING HL-93 (NEW CONST.)**  
 Allow 50#/sq. ft. for future wearing surface.

**DESIGN SPECIFICATIONS (NEW CONST.)**

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**

**FIELD UNITS (NEW CONST.)**

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

**FIELD UNITS (EXIST. CONST.)**

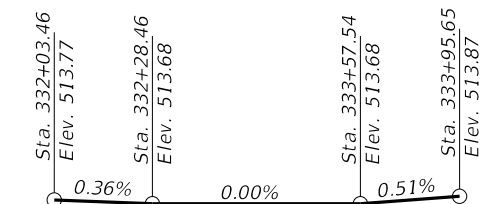
f'c = 3,500 psi  
 fy = 60,000 psi (Reinforcement)

**PRECAST PRESTRESSED UNITS (NEW CONST.)**

f'c = 6,000 psi  
 f'ci = 5,000 psi  
 fpu = 270,000 psi (1/2" Ø low lax Strands)  
 fpbt = 201,960 psi (1/2" Ø low lax Strands)  
 fy = 60,000 psi (Reinforcement)

**SEISMIC DATA**

Seismic Performance Category (SPC) = A  
 Horizontal Bedrock Acceleration Coefficient (A) = 0.042g  
 Site Coefficient (S) = 1.2



**ROADWAY PROFILE**



*Jared Thoele*  
 SIGNATURE  
 3/8/2021  
 DATE  
 LIC. EXP. DATE: 11/30/21

I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO LRFD Specifications.

**GENERAL PLAN**

**TRUITT ROAD OVER HALLOCK HOLLOW CREEK**

**SECTION 20-00045-00-BR**

**PEORIA COUNTY**

**STATION 332+93.00**

**STRUCTURE NO. 072-3124**

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 CHECKED - M. MENDENHALL  
 DRAWN - R. JOHNSON  
 CHECKED - CGP, MNM

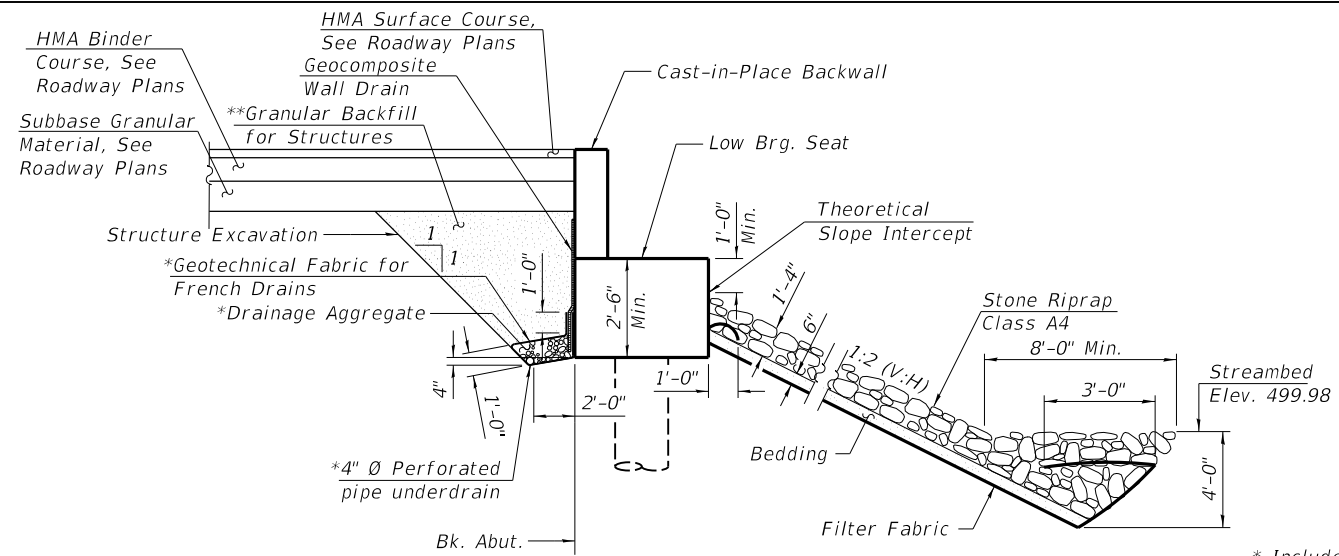
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN  
 STRUCTURE NO 072-3124**

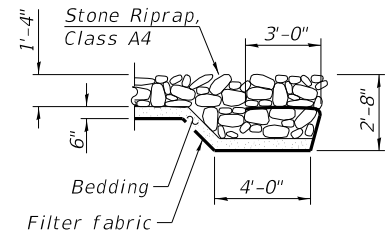
SHEET 1 OF 11 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	15
20L0208		CONTRACT NO.	89801	
ILLINOIS / FED. AID PROJECT				



**SECTION A-A**  
(Horiz. Dim. @ Rt. L's)

Note:  
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).



**SECTION B-B**

\* Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

\*\* Granular Backfill for Structures shall be placed and compacted according to Section 502.10 of the Standard Specifications.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.	-	794	794
Filter Fabric	Sq. Yd.	-	794	794
Polymerized Bituminous Materials (Tack Coat)	Pound	221	-	221
Polymerized Hot-Mix Asphalt Surface Course, IL-9.5, Mix "C", N50	Ton	63	-	63
Removal of Existing Superstructures	Each	1	-	1
Concrete Removal	Cu. Yd.	-	6.8	6.8
Slope Wall Removal	Sq. Yd.	-	646	646
Structure Excavation	Cu. Yd.	-	86	86
Concrete Structures	Cu. Yd.	-	7.8	7.8
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1932	-	1932
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	1800	-	1800
Reinforcement Bars, Epoxy Coated	Pound	-	1040	1040
Steel Railing, Type SM	Foot	213	-	213
Name Plates	Each	1	-	1
Waterproofing Membrane System	Sq. Yd.	415	-	415
Portland Cement Mortar Fairing Course	Foot	1140	-	1140
Granular Backfill for Structures	Cu. Yd.	-	44	44
Geocomposite Wall Drain	Sq. Yd.	-	32	32
Structure Repair of Concrete (Depth Equal to or less than 5 inches)	Sq. Ft.	-	18	18
Pipe Underdrains for Structures 4"	Foot	-	128	128

**GENERAL NOTES**

- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details effecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Repair of the substructure shall be completed prior to the placement of the new beams.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The cost of removal of existing railing and removal of existing wearing surface shall be included in the cost of Removal of Existing Superstructures.

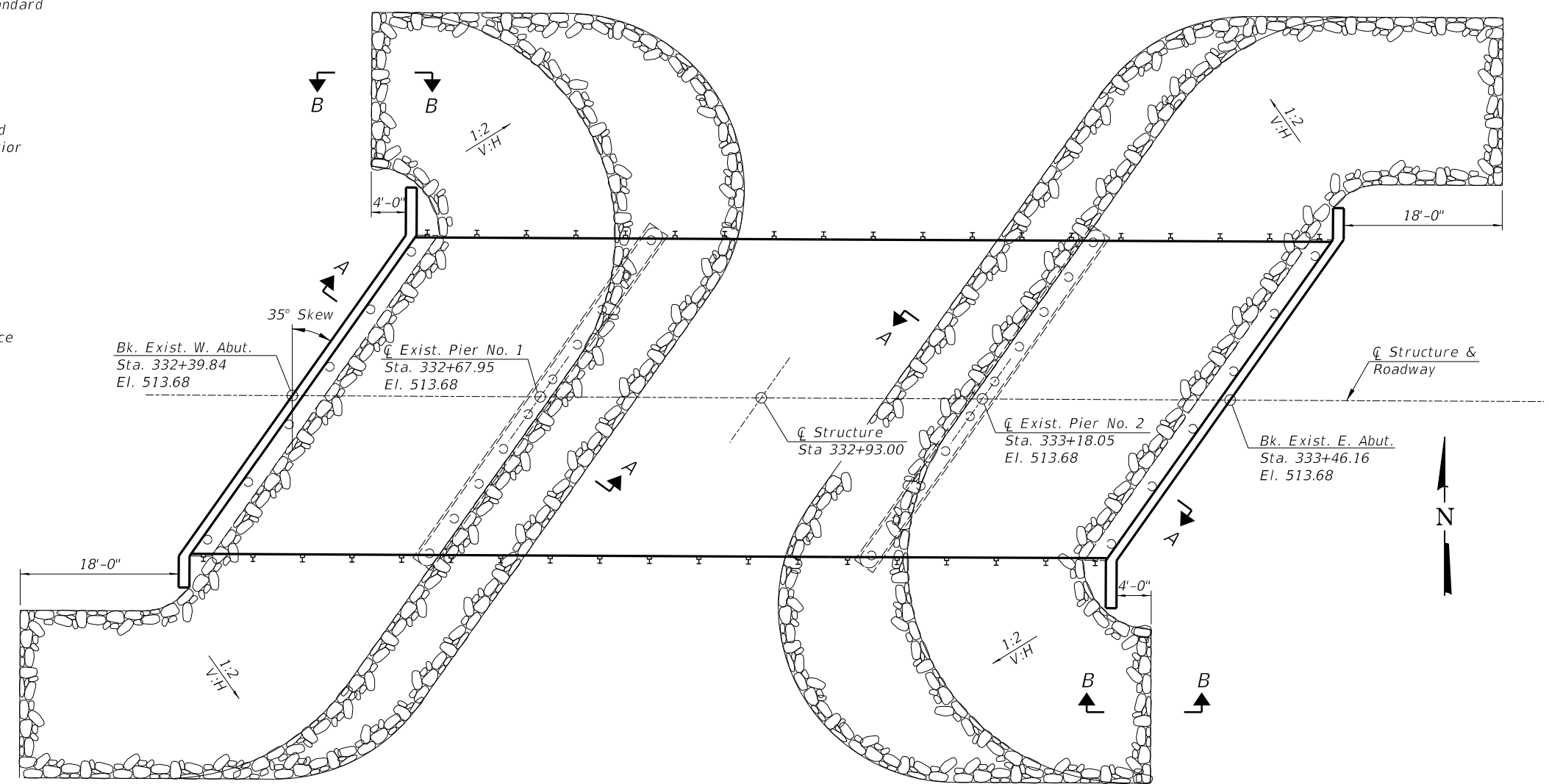
**INDEX OF SHEETS**

- General Plan
- General Data
- Superstructure
- 21" PPC Deck Beam
- 21" PPC Deck Beam Details
- 27" PPC Deck Beams
- 27" PPC Deck Beam Details
- Steel Railing Details, Type SM with HMA Surface
- West Abutment Details
- East Abutment Details
- Pier Details

**HALLOCK HOLLOW CREEK  
REBUILT 202  
PEORIA COUNTY  
SEC. 20-00045-00-BR  
STATION 332+93.00  
LOADING HL-93  
STRUCTURE NO. 072-3124**

**NAME PLATE**  
See Std. 515001

Note:  
The existing name plate shall be cleaned and relocated adjacent to the new plate. Cost included with Name Plates.



**RIPRAP LAYOUT**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

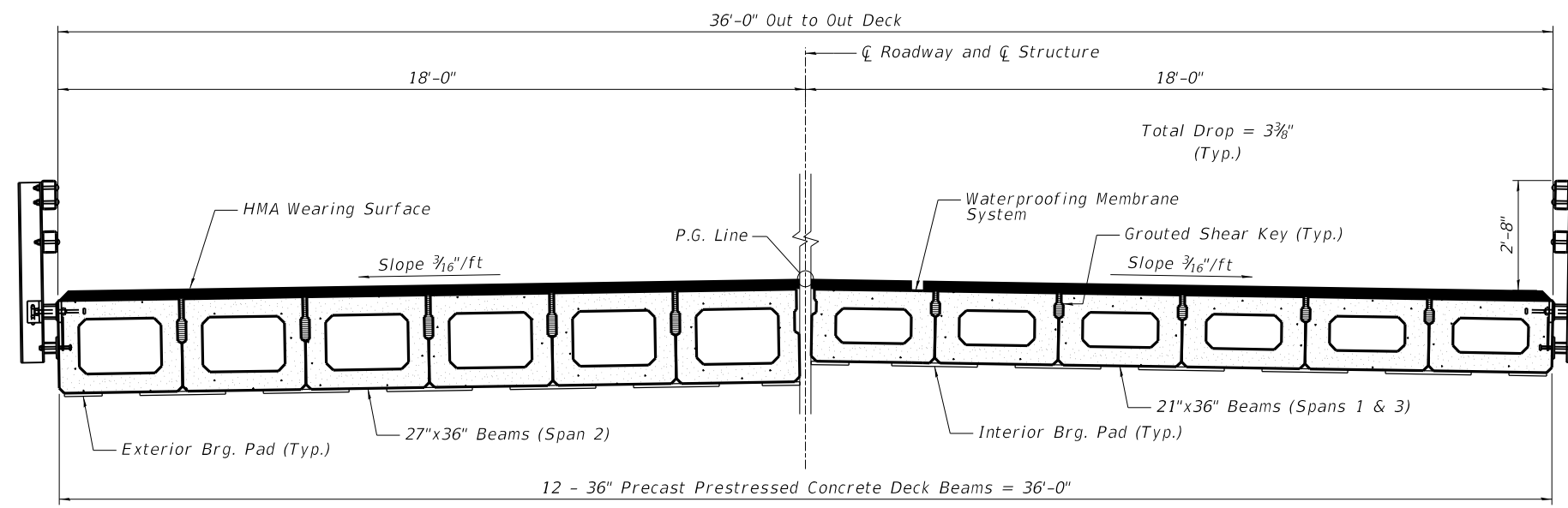
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STRUCTURE NO 072-3124**

SHEET 2 OF 11 SHEETS

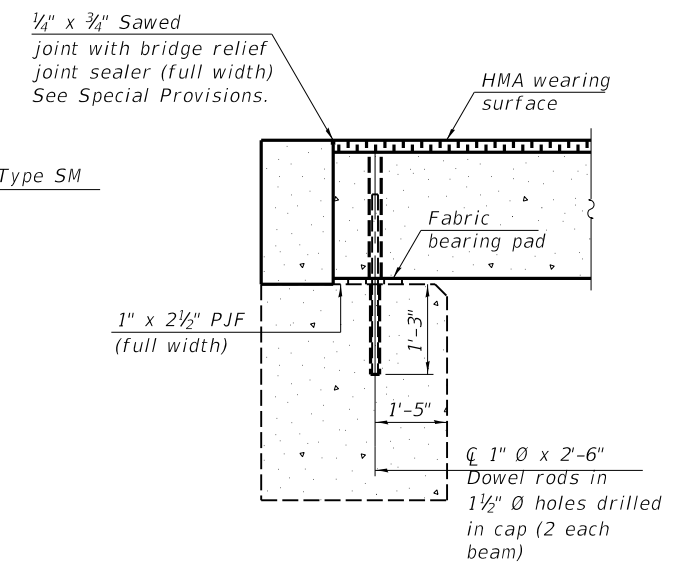
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20L0208		CONTRACT NO.	89801	

ILLINOIS FED. AID PROJECT

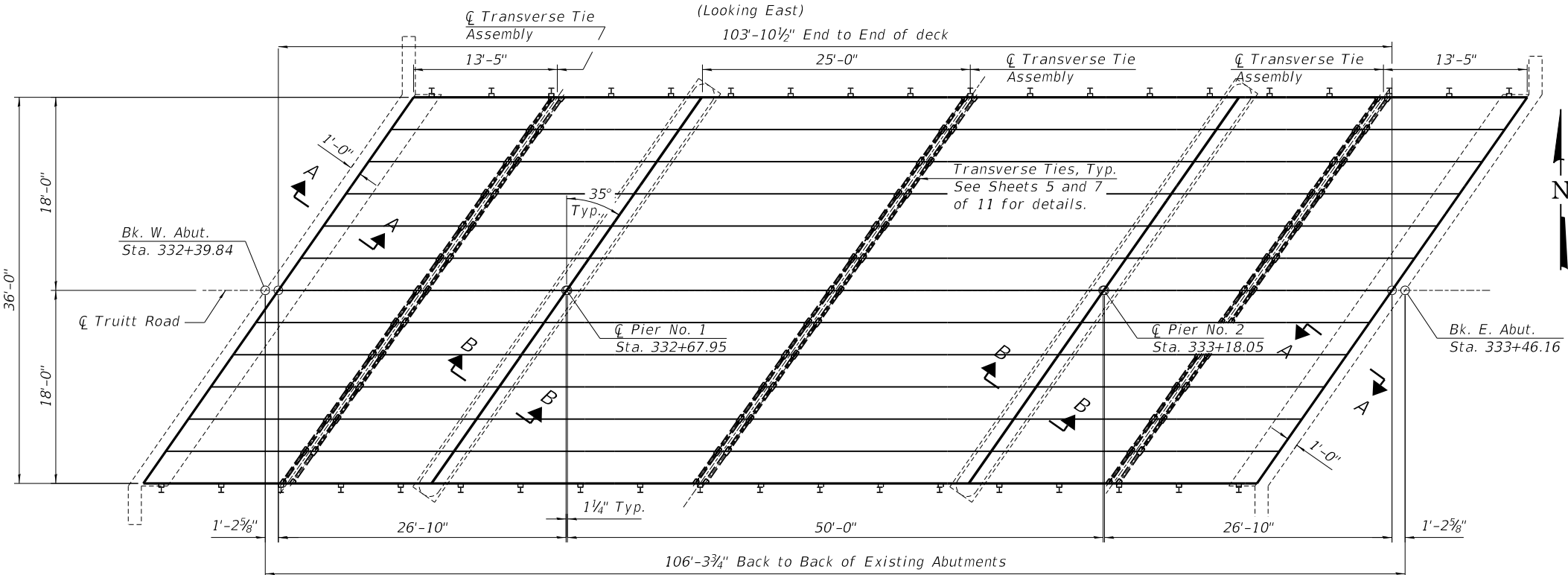




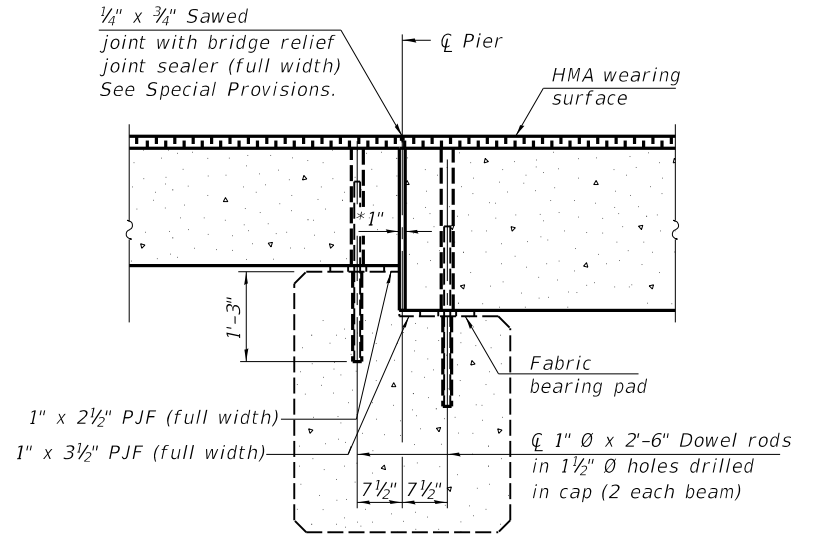
**DECK CROSS SECTION**  
(Looking East)



**SECTION A-A**  
(Dimensions are at Rt. L's)

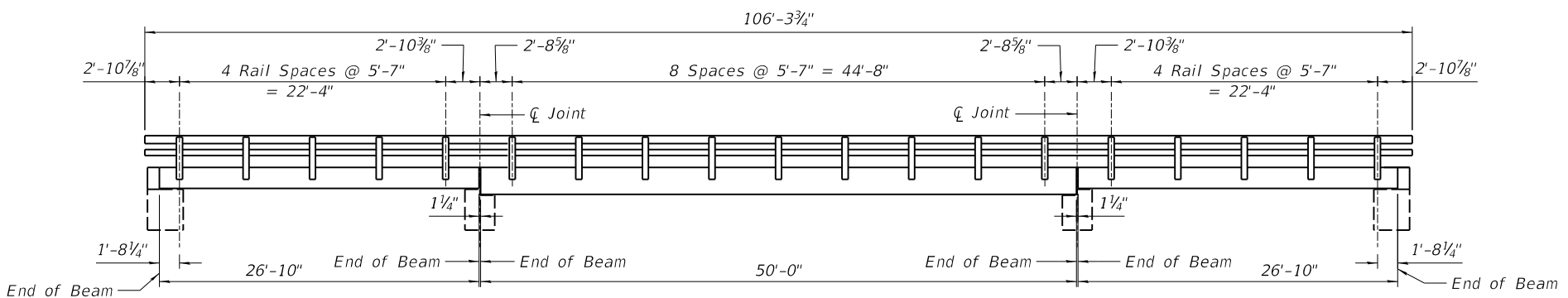


**PLAN - DECK BEAMS**



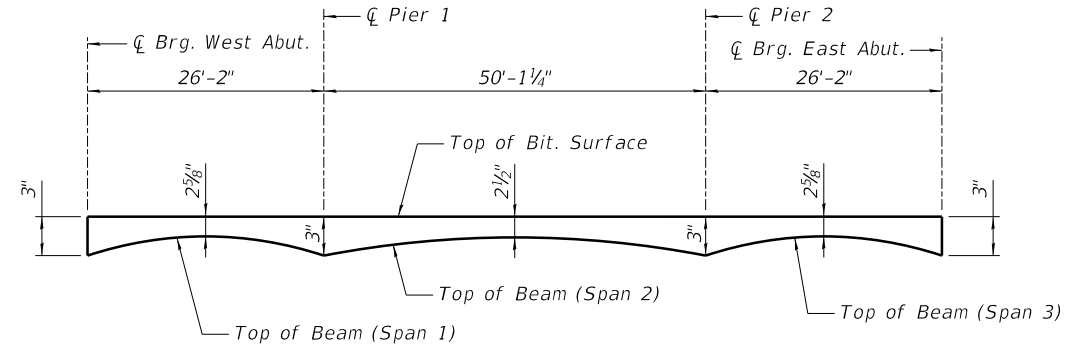
**SECTION B-B**  
(Dimensions are at Rt. L's)

\*1" Jt. shall be filled with non-shrink grout.  
1" dimension may vary to accommodate tolerance in beam lengths.



**RAILING ELEVATION**

(Dimensions are measured along face of beam.)



**ANTICIPATED HMA WEARING SURFACE PROFILE**

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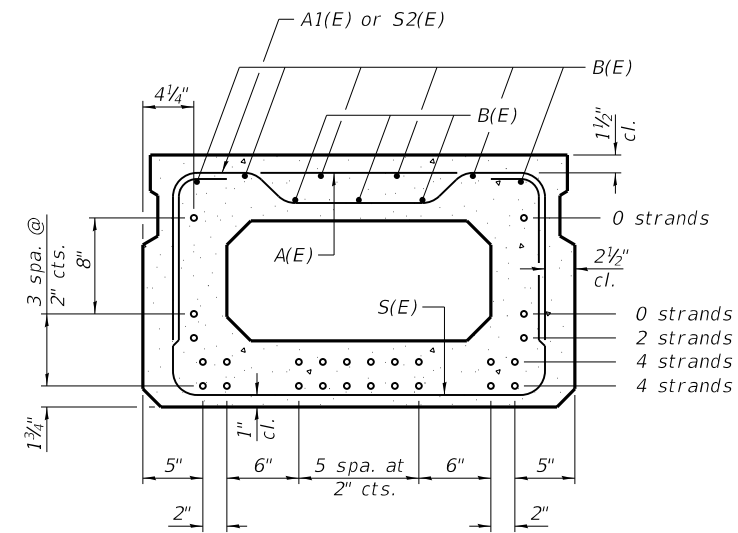
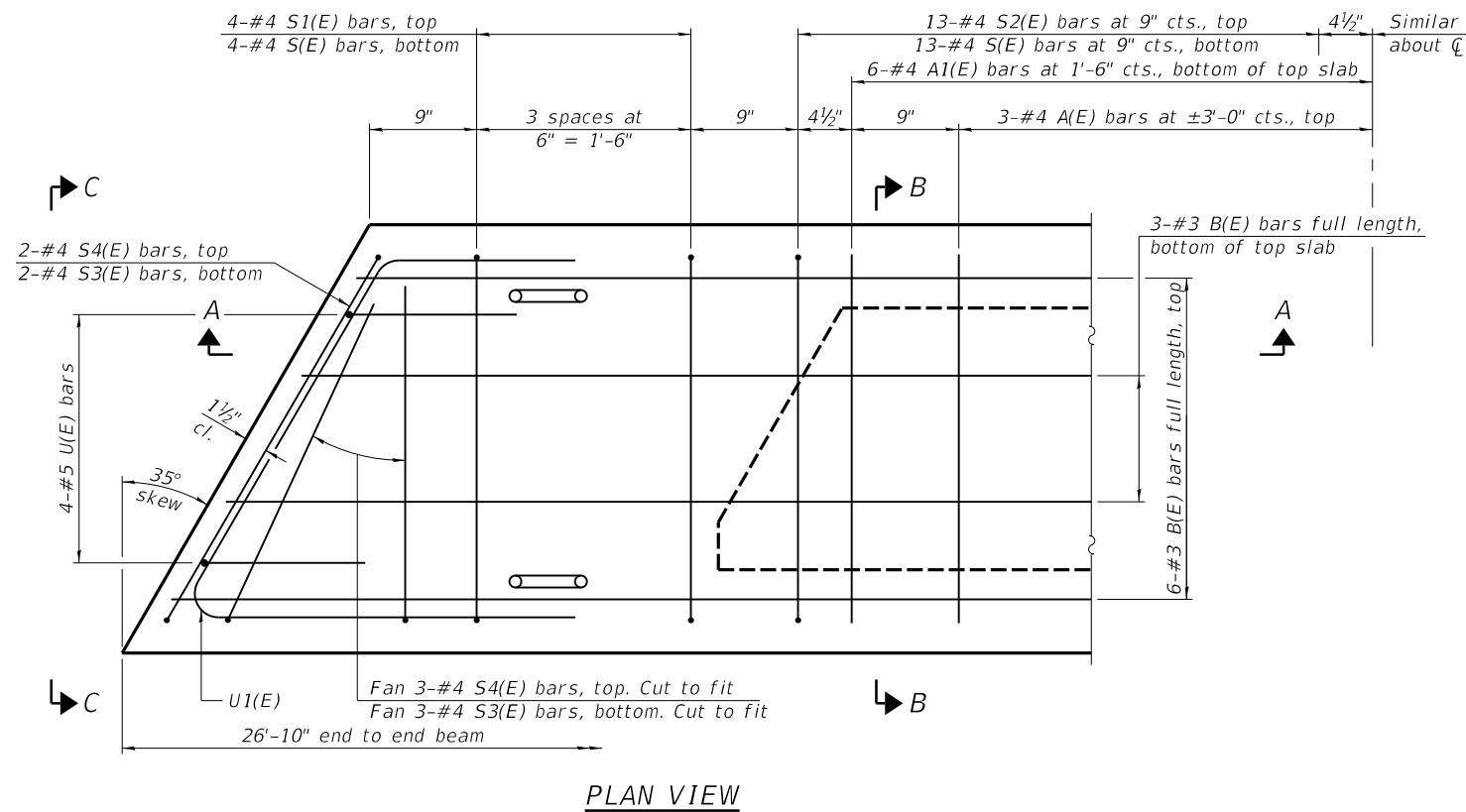
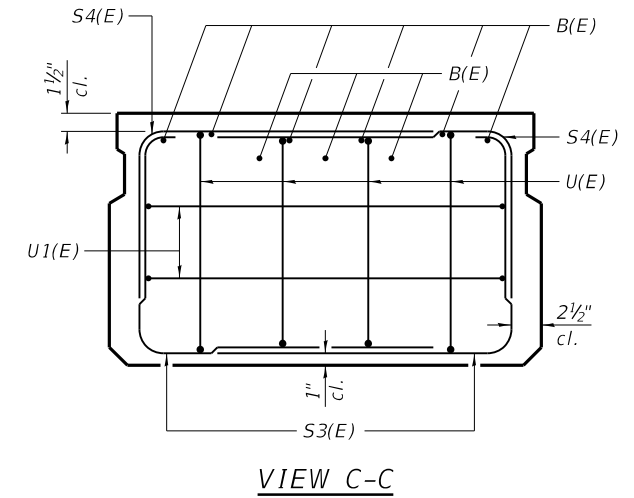
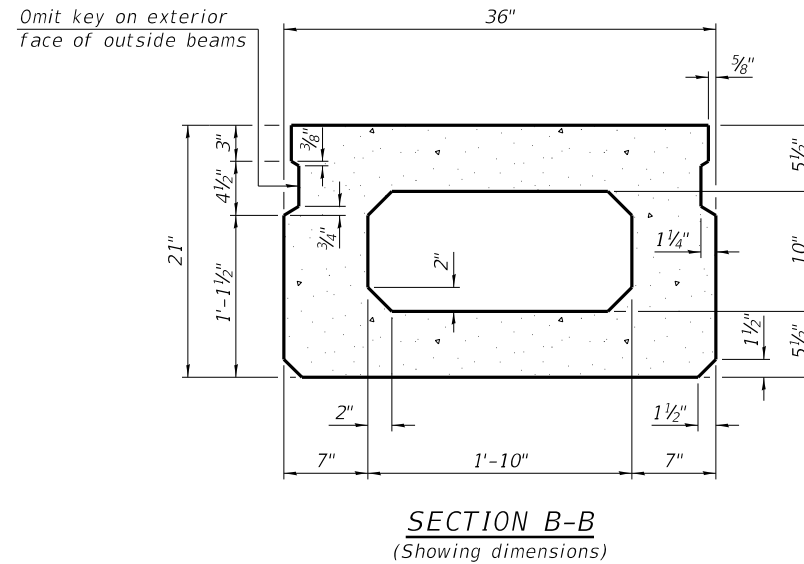
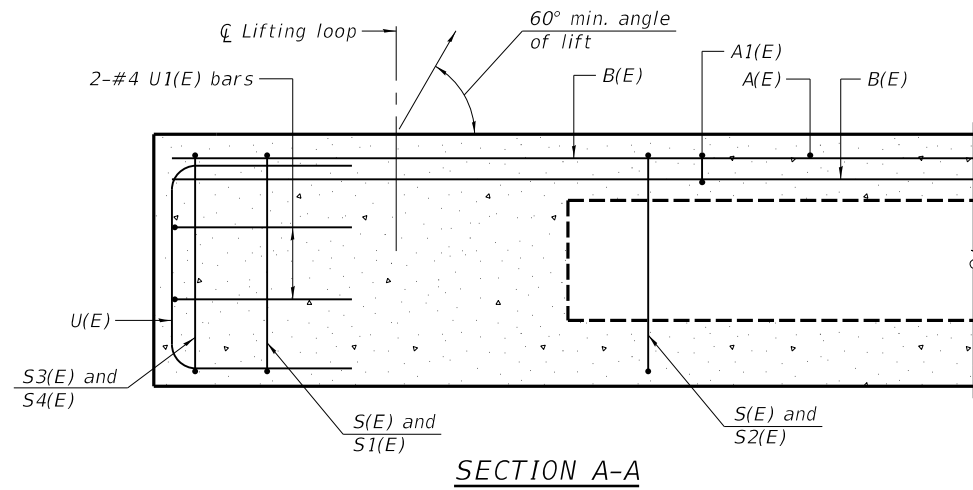
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	CHECKED - CGP, JGT	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE  
STRUCTURE NO 072-3124**

SHEET 3 OF 11 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	17
	20L0208	CONTRACT NO.	89801	
ILLINOIS FED. AID PROJECT				



**SECTION B-B**  
(Showing reinforcement and permissible strand locations)

Note:  
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

**MINIMUM BAR LAP**  
#3 bar = 1'-6"

**BAR LIST**  
**ONE BEAM ONLY**  
(For information only)

Bar	No.	Size	Length	Shape
A(E)	5	#4	2'-7"	—
A1(E)	11	#4	2'-10"	—
B(E)	9	#3	26'-6"	—
S(E)	34	#4	6'-5"	⌊
S1(E)	8	#4	4'-11"	⌊
S2(E)	26	#4	5'-2"	⌊
S3(E)	10	#4	4'-9"	⌊
S4(E)	10	#4	4'-0"	⌊
U(E)	8	#5	4'-0"	⌊
U1(E)	4	#4	7'-3"	⌊

Note:  
See sheet 5 of 11 for additional details and Bill of Material.

Note:  
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

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

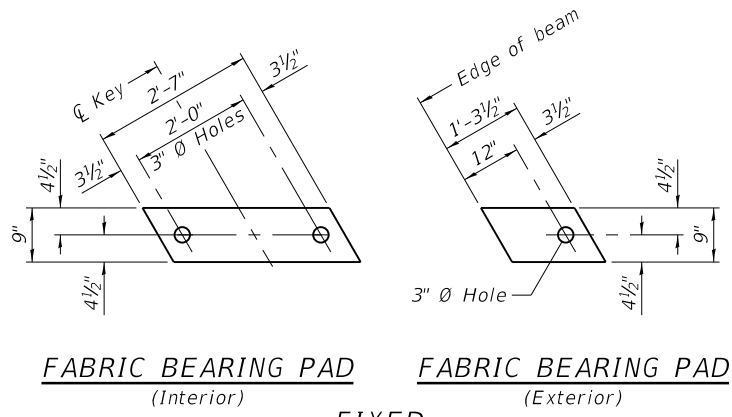
21" X 36" DECK BEAM  
STRUCTURE NO 072-3124

SHEET 4 OF 11 SHEETS

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20L0208		CONTRACT NO.	89801	

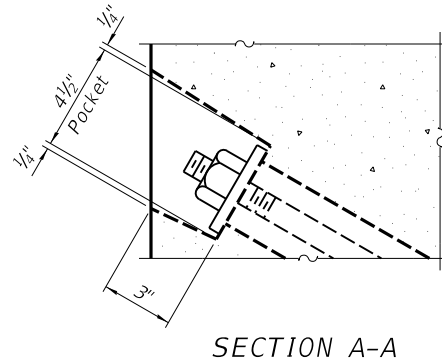
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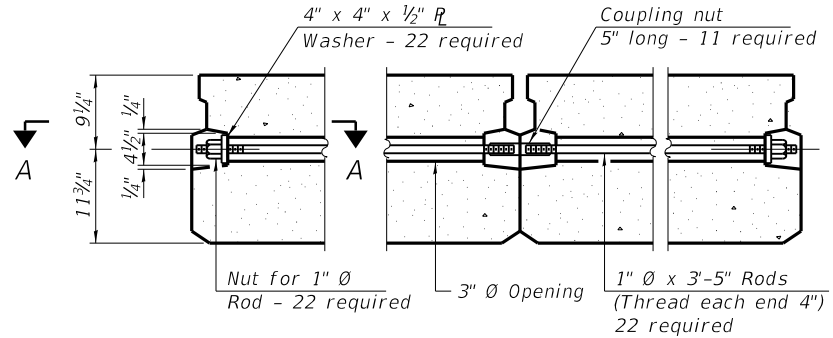


**FABRIC BEARING PAD**  
(Interior) **FIXED**  
**FABRIC BEARING PAD**  
(Exterior)

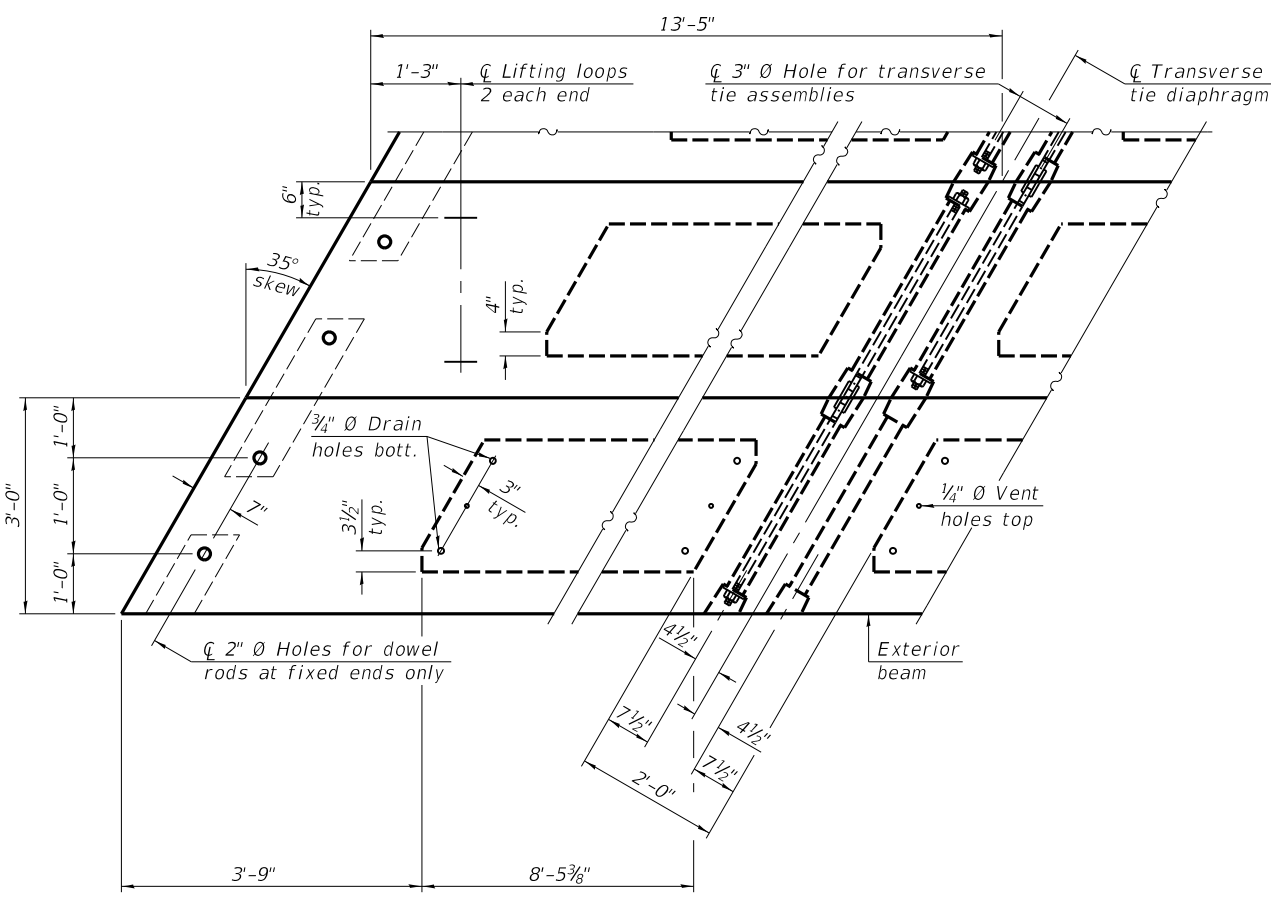
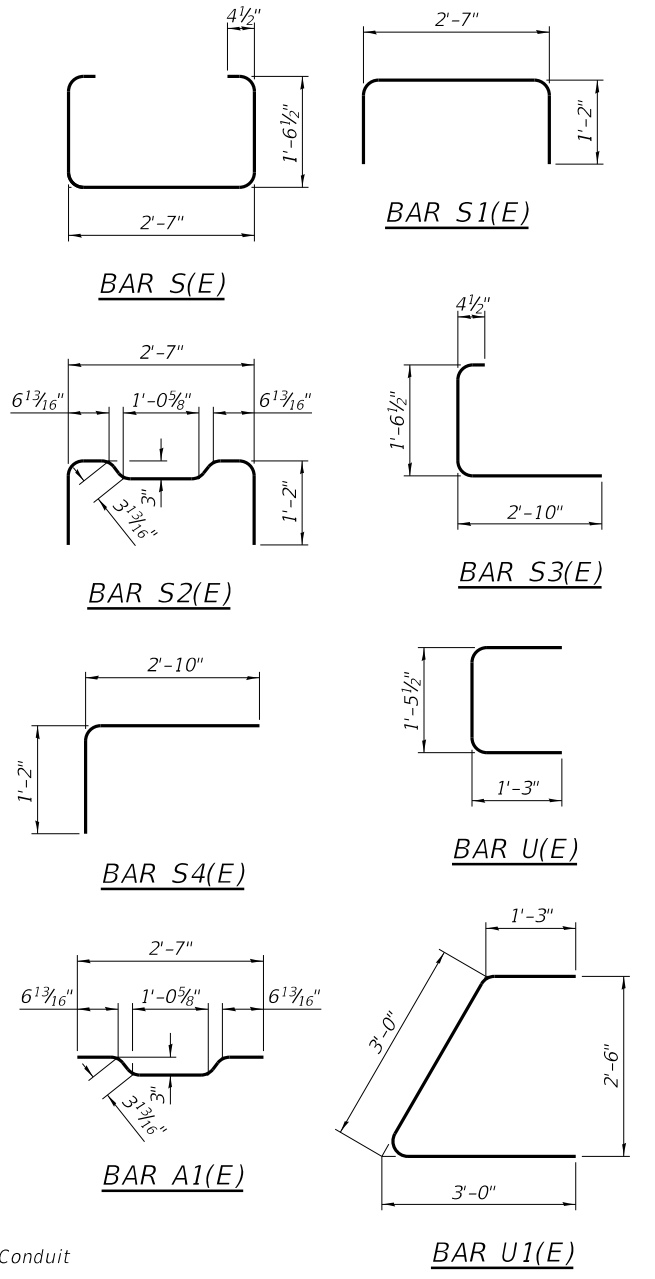
Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pads shall be bonded to the substructure.



**SECTION A-A**



**TYPICAL TRANSVERSE TIE ASSEMBLY**

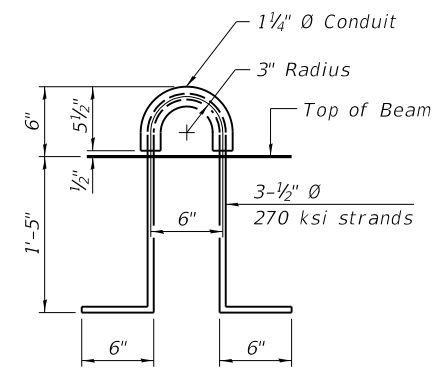


**PLAN VIEW**

**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

Note:  
Connect beams in pairs with the transverse tie configuration shown.



**LIFTING LOOP DETAIL**

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1932
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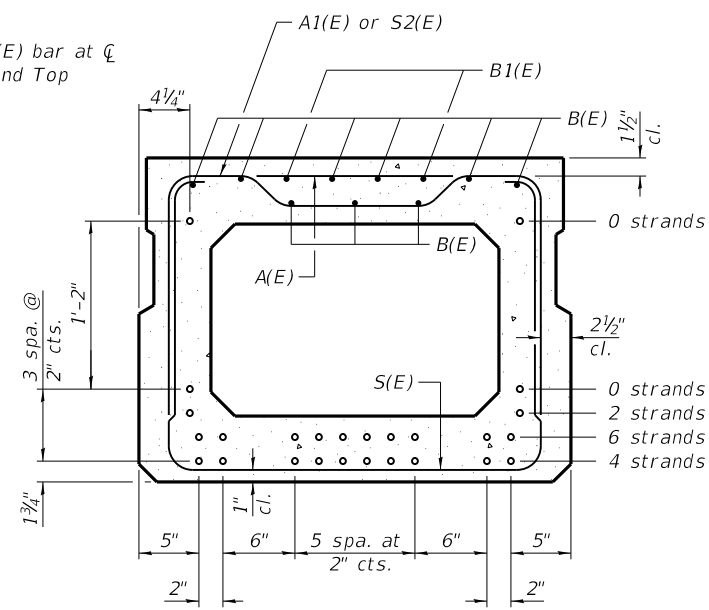
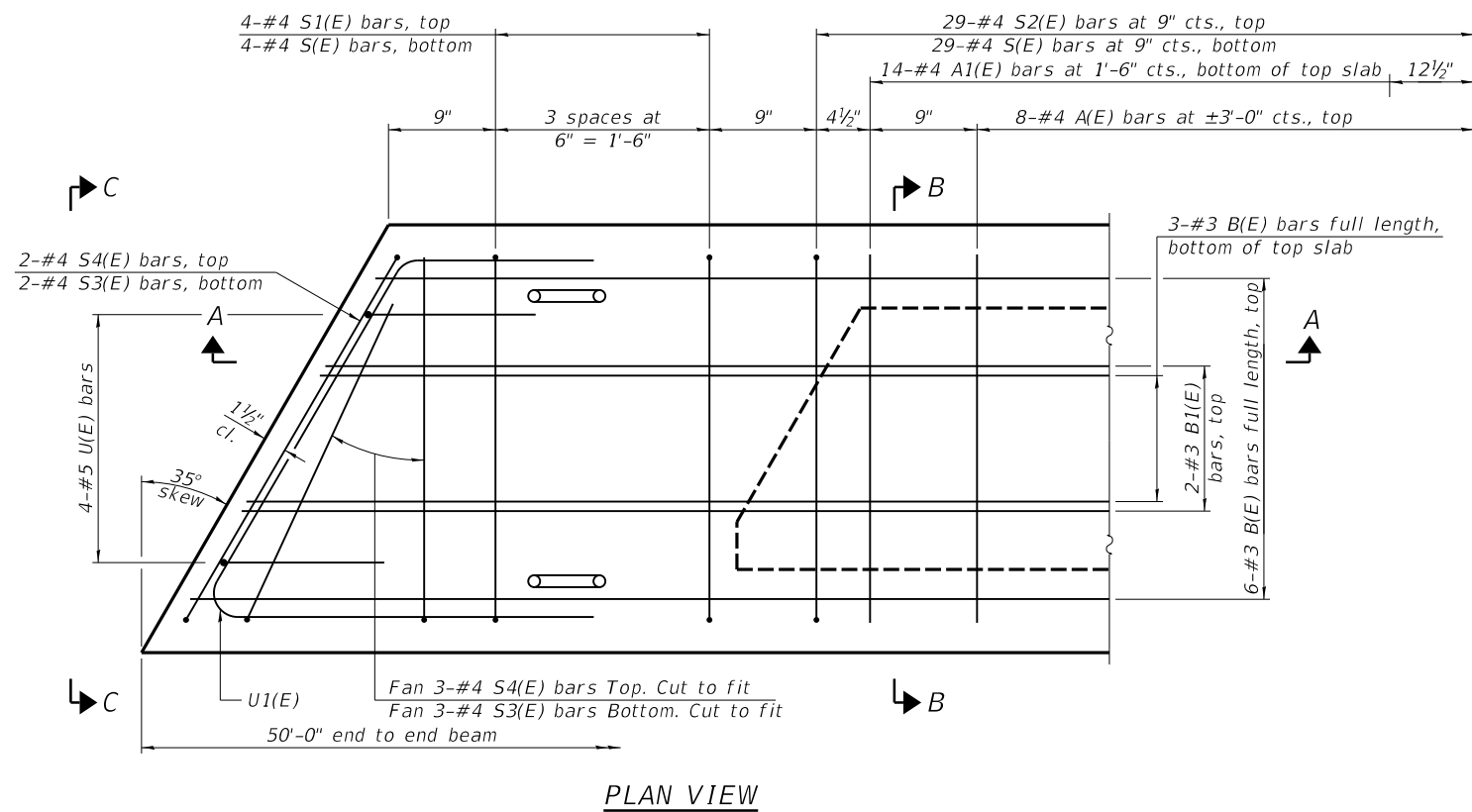
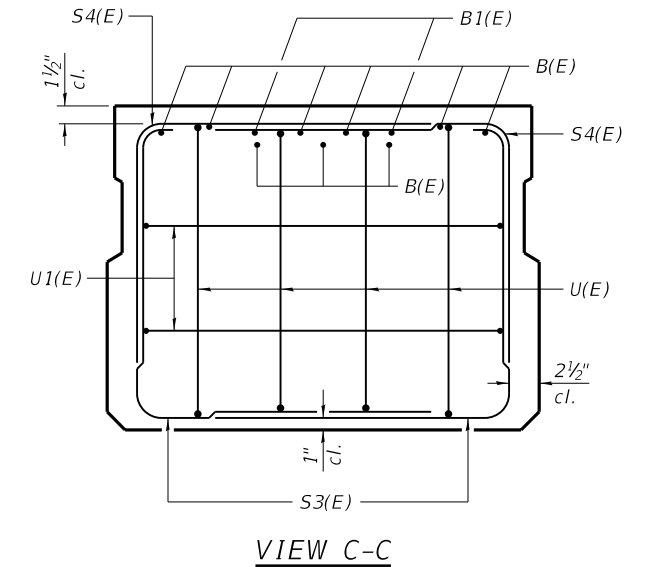
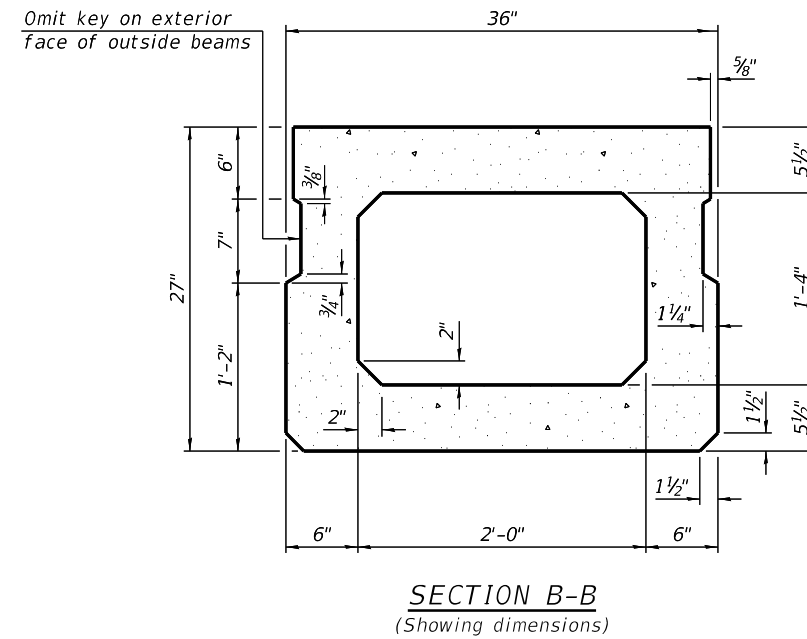
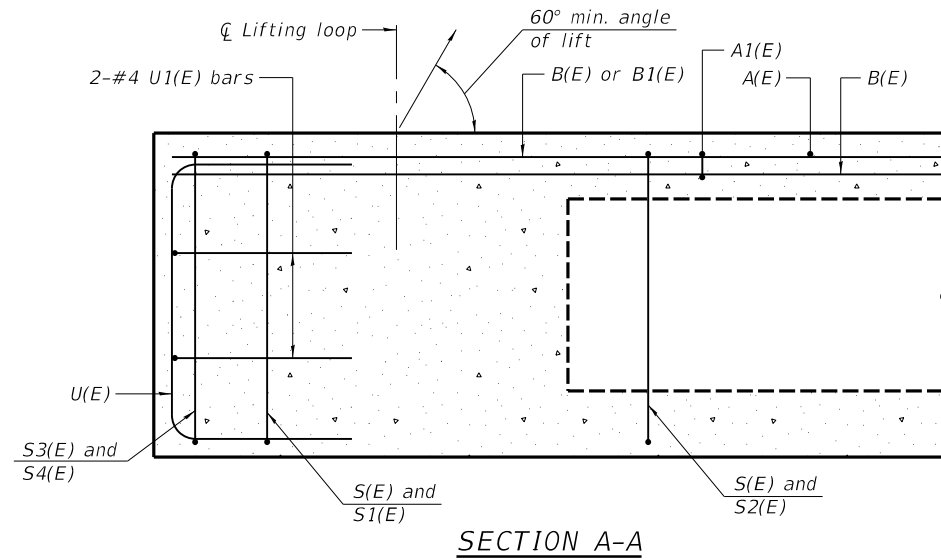
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**21" X 36" DECK BEAM DETAILS**  
**STRUCTURE NO 072-3124**

SHEET 5 OF 11 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	19
20L0208		CONTRACT NO. 89801		

ILLINOIS FED. AID PROJECT



**BAR LIST**  
**ONE BEAM ONLY**  
(For information only)

Bar	No.	Size	Length	Shape
A(E)	15	#4	2'-7"	—
A1(E)	29	#4	2'-10"	—
B(E)	18	#3	25'-8"	—
B1(E)	4	#3	10'-0"	—
S(E)	65	#4	7'-5"	⌋
S1(E)	8	#4	5'-11"	⌋
S2(E)	57	#4	6'-2"	⌋
S3(E)	10	#4	5'-3"	⌋
S4(E)	10	#4	4'-6"	⌋
U(E)	8	#5	4'-6"	⌋
U1(E)	4	#4	7'-3"	⌋

Note:  
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

Note:  
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

**MINIMUM BAR LAP**  
#3 bar = 1'-6"

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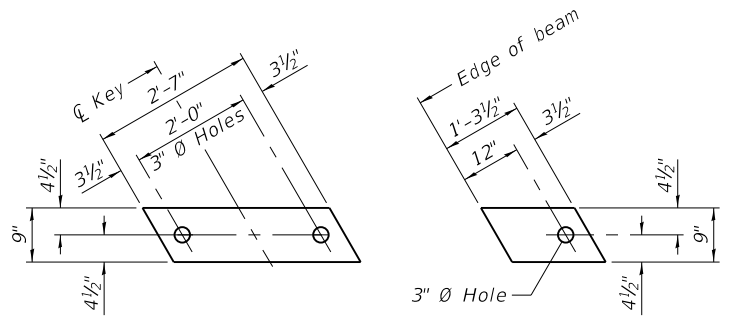
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

27" X 36" DECK BEAM  
STRUCTURE NO 072-3124

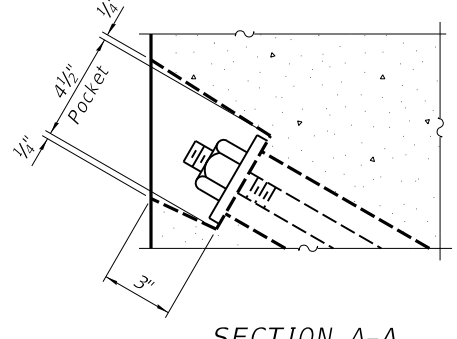
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ILLINOIS FED. AID PROJECT				

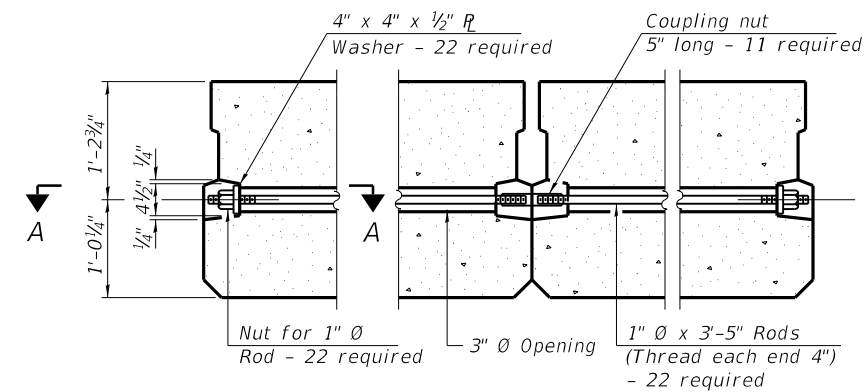


**FABRIC BEARING PAD**  
(Interior) **FIXED**  
**FABRIC BEARING PAD**  
(Exterior)

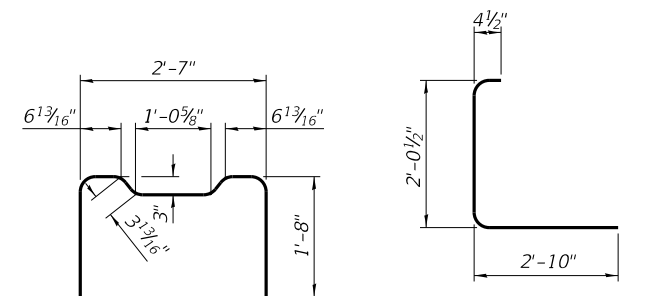
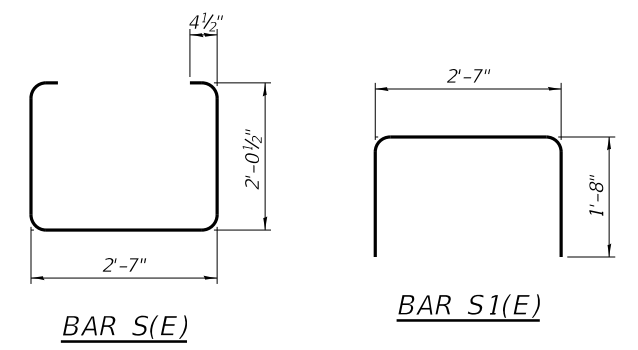
Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pads shall be bonded to the substructure.



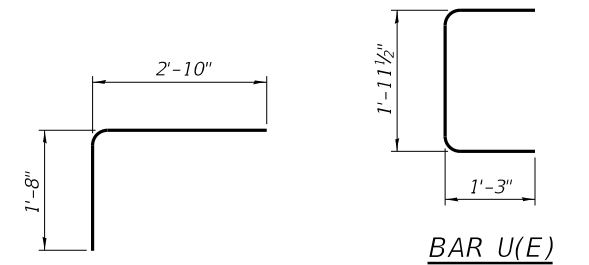
**SECTION A-A**



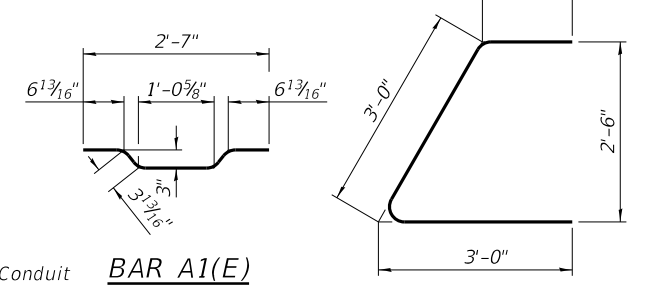
**TYPICAL TRANSVERSE TIE ASSEMBLY**



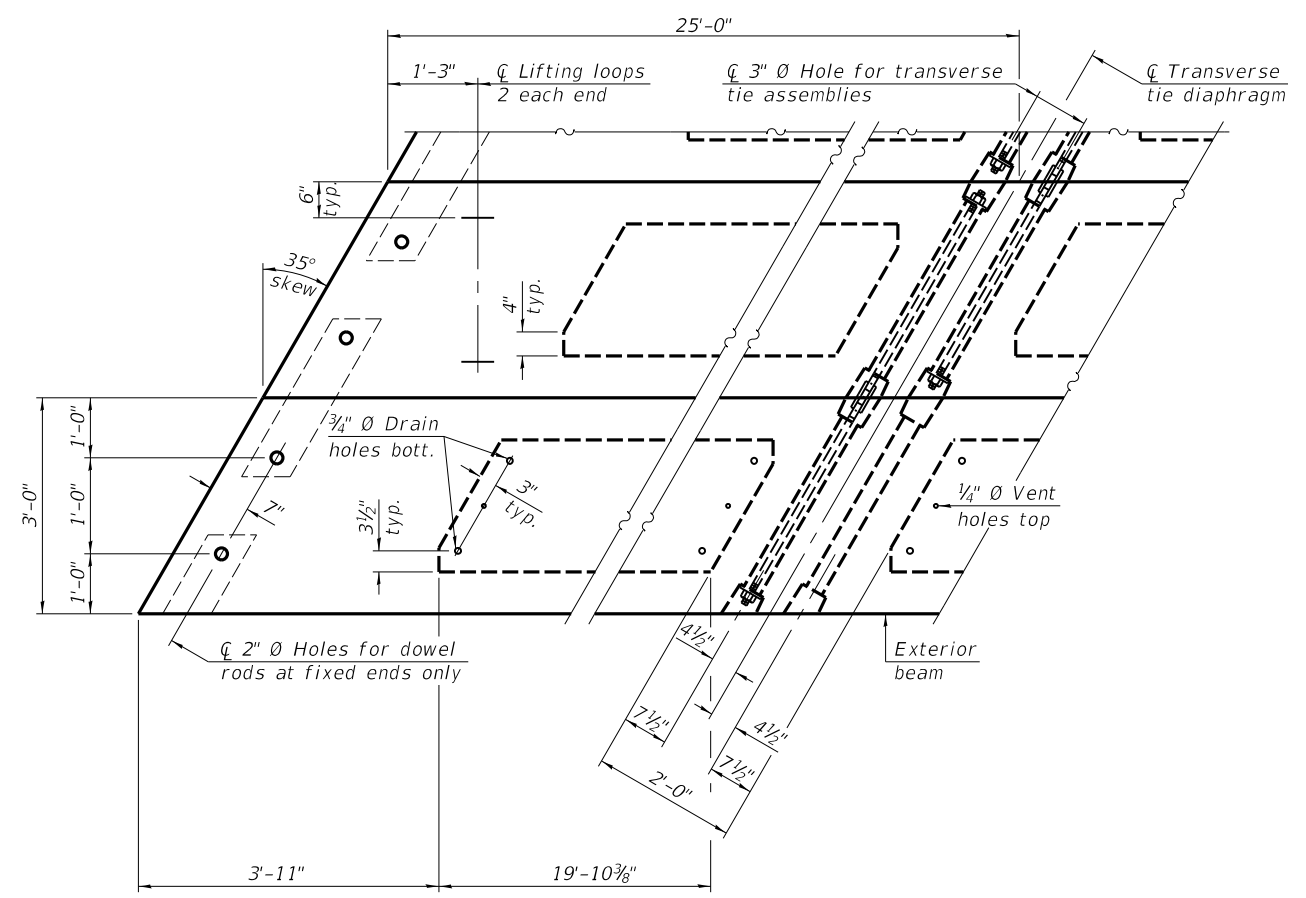
**BAR S2(E)** **BAR S3(E)**



**BAR S4(E)** **BAR U(E)**



**BAR A1(E)** **BAR U1(E)**

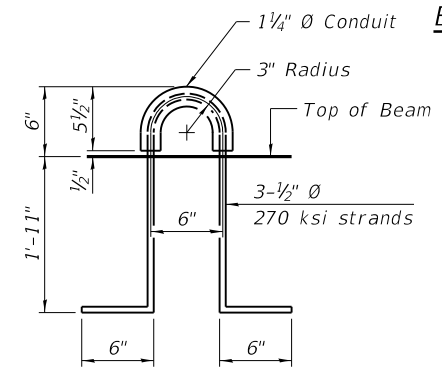


**PLAN VIEW**

**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

Note:  
Connect beams in pairs with the transverse tie configuration shown.



**LIFTING LOOP DETAIL**

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	1800
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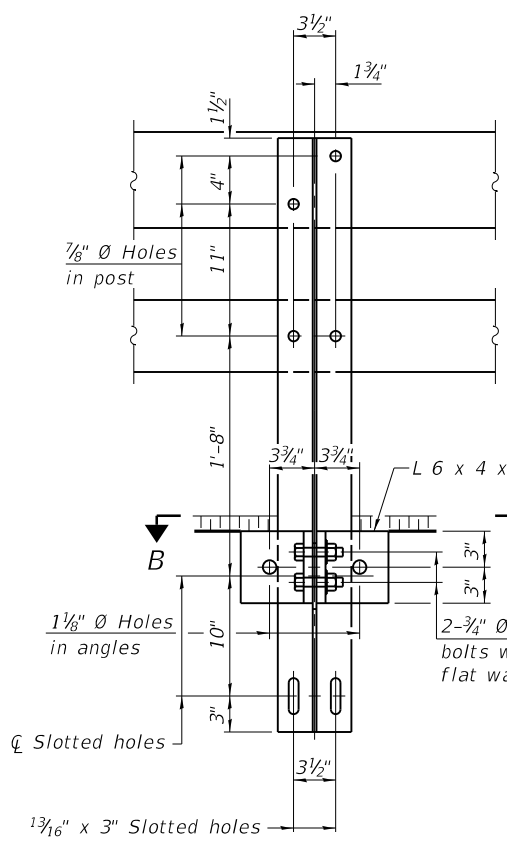
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PLOT DATE = 3/3/2021	DRAWN - R. JOHNSON	REVISED -
	CHECKED - CGP, JGT	REVISED -

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

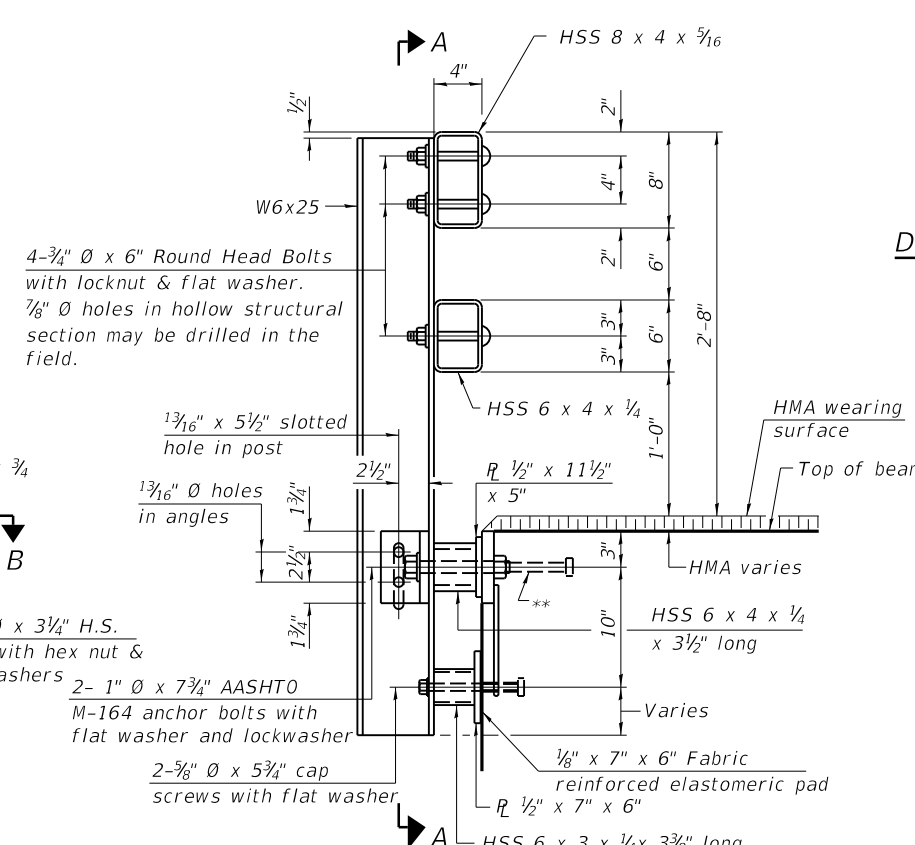
**27" X 36" DECK BEAM DETAILS**  
**STRUCTURE NO 072-3124**

SHEET 7 OF 11 SHEETS

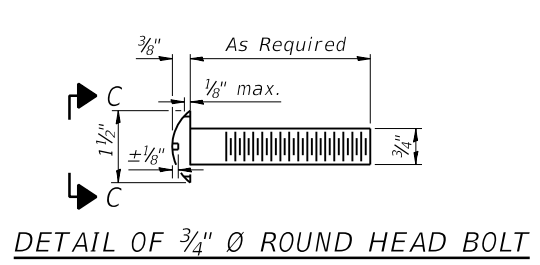
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378	20-00045-00-BR	PEORIA	36	21
20L0208		CONTRACT NO. 89801		
ILLINOIS FED. AID PROJECT				



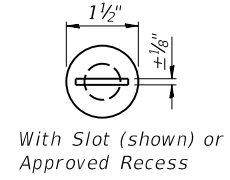
SECTION A-A



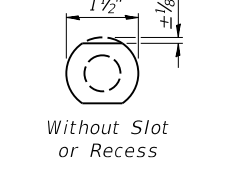
SECTION AT RAIL POST



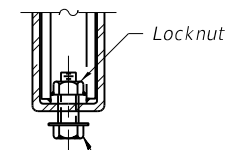
DETAIL OF 3/4" Ø ROUND HEAD BOLT



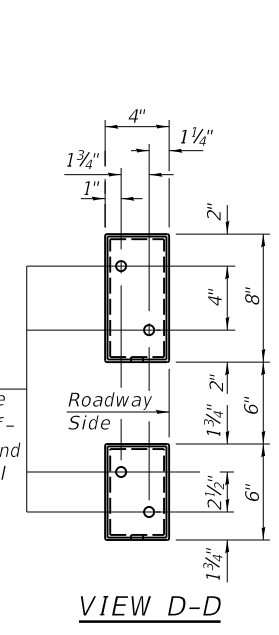
With Slot (shown) or Approved Recess



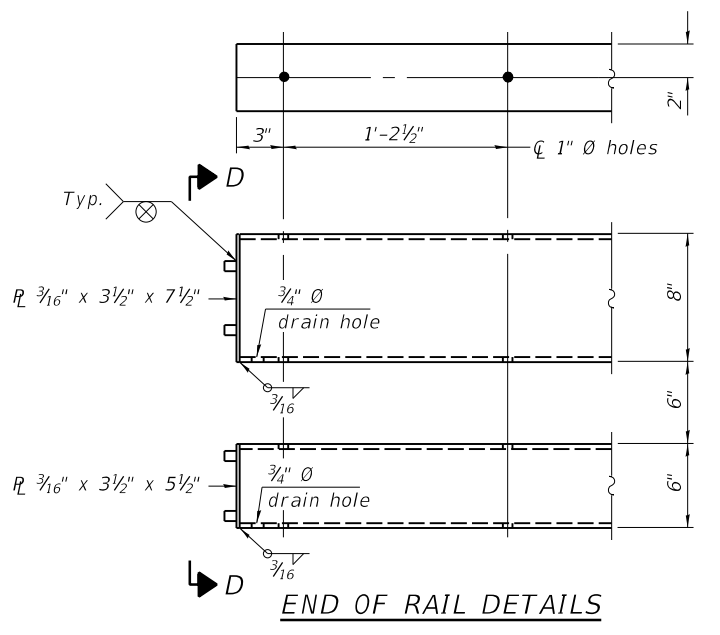
Without Slot or Recess



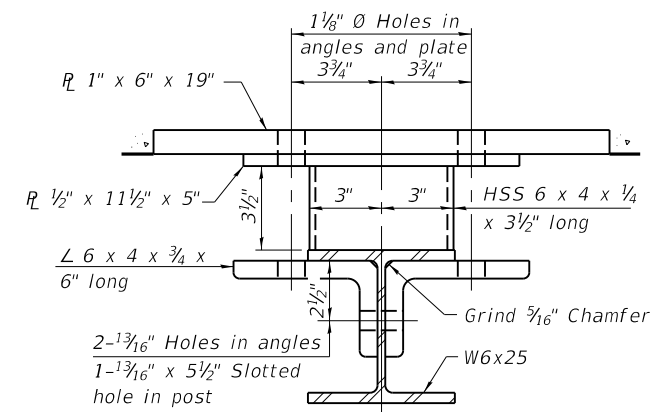
RAIL SPLICE CONNECTION AT EXPANSION JT.



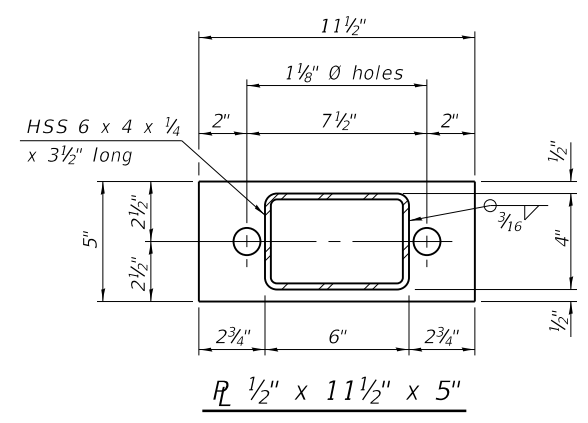
VIEW D-D



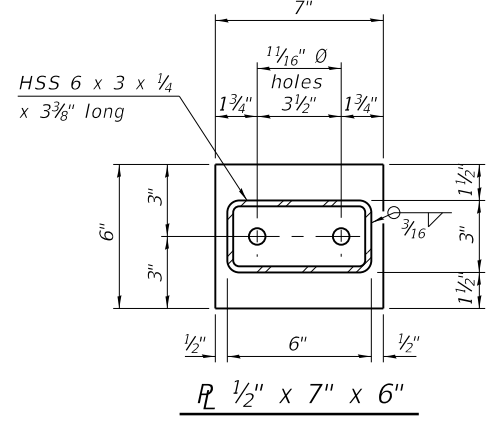
END OF RAIL DETAILS



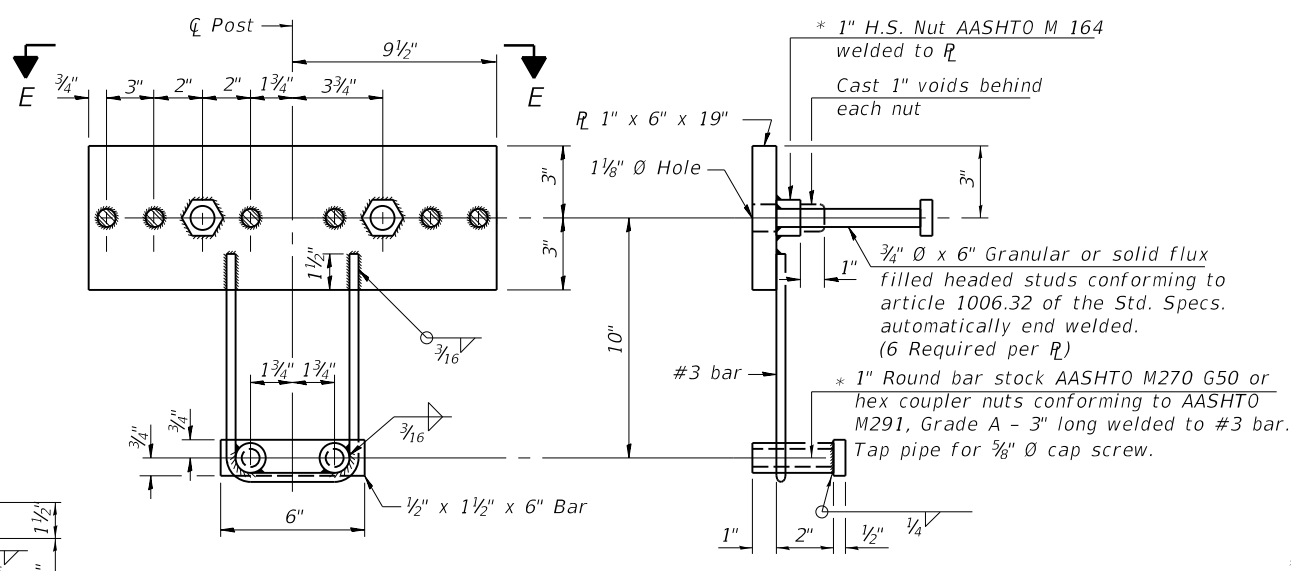
SECTION B-B



R 1/2" x 11 1/2" x 5"



R 1/2" x 7" x 6"



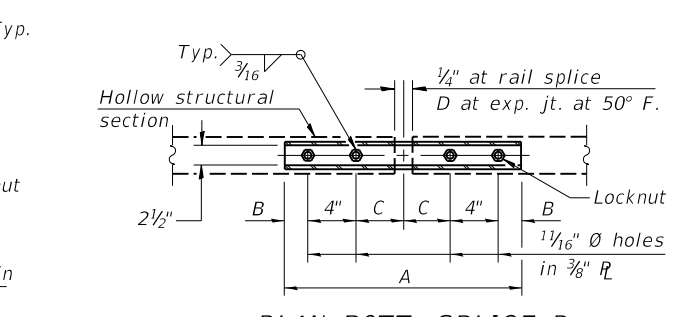
ANCHOR DEVICE

\*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

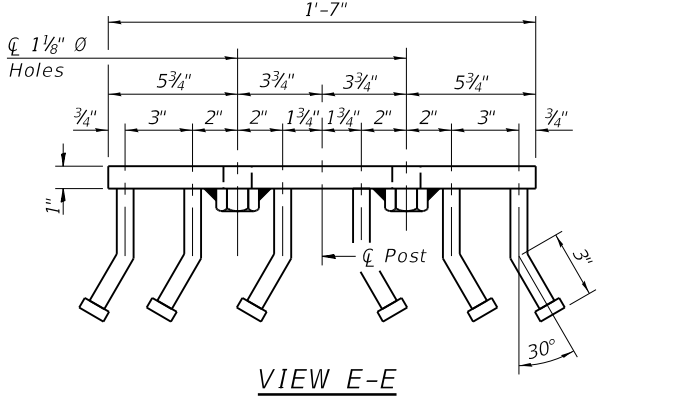
SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	

T = Total movement at expansion joint as shown on the design plans.



PLAN-BOTT. SPLICE R TYPICAL



VIEW E-E

Notes:  
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.  
 All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.  
 \*\* The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	213

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R-34HMAWS 2-17-2017 (6'-3" Maximum Post Spacing) (1/4" minimum to 3/8" maximum HMA thickness)

USER NAME	DESIGNED	REVISIONS
ander00846	C. PUZEY	
	J. THOELE	
	R. JOHNSON	
	CGP, JGT	

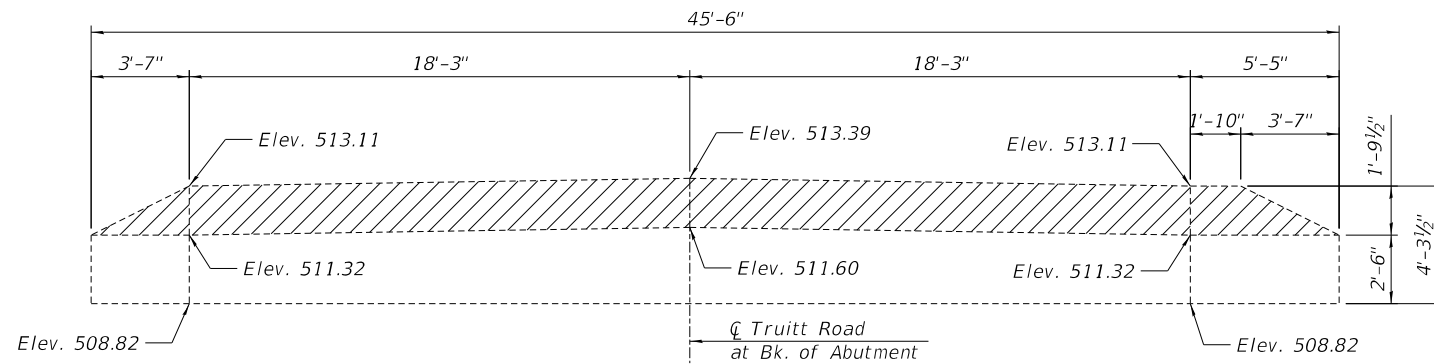
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE SM  
 STRUCTURE NO 072-3124

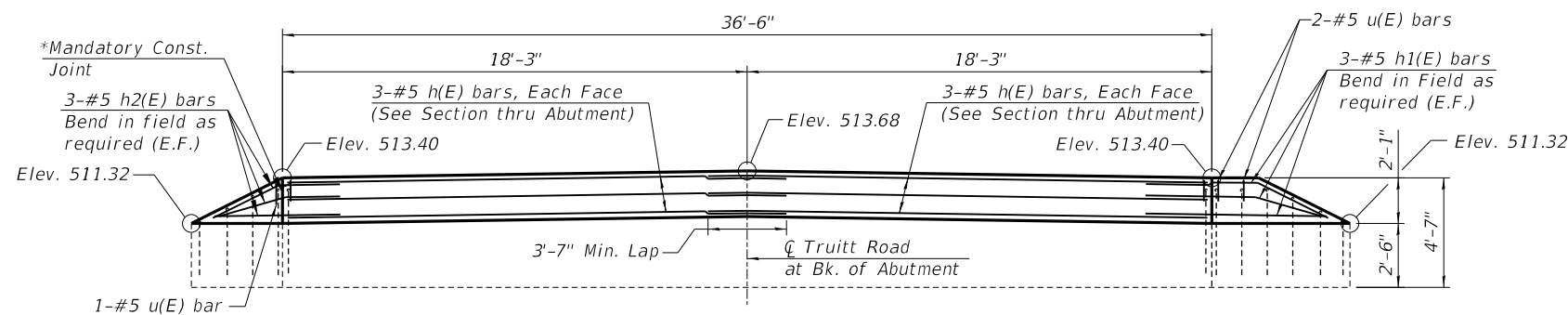
SHEET 8 OF 11 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	22
	20L0208			CONTRACT NO. 89801

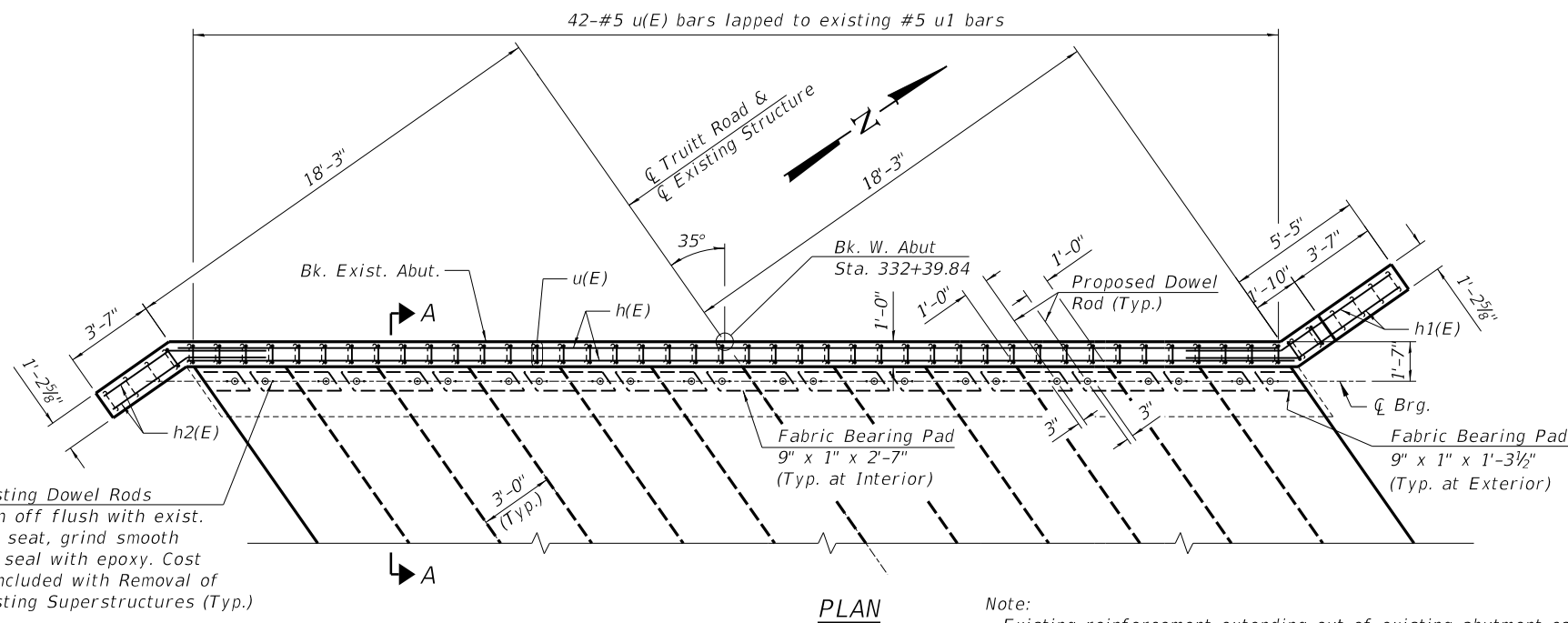
ILLINOIS FED. AID PROJECT



**CONCRETE REMOVAL ELEVATION**  
(Looking West)  
(Dimensions are at Rt. L's)

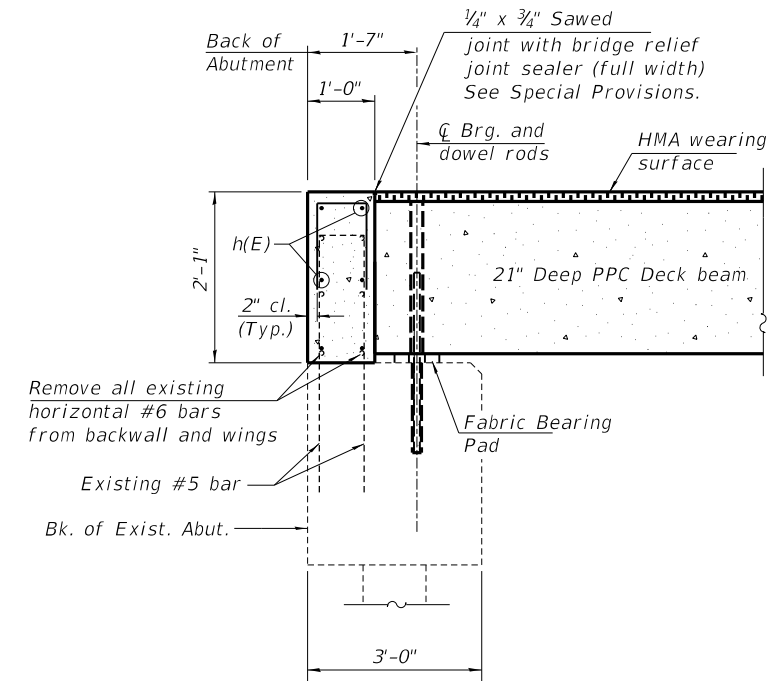


**ELEVATION**  
(Looking West)  
(Dimensions are at Rt. L's)

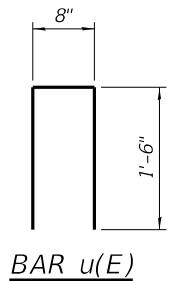


**PLAN**

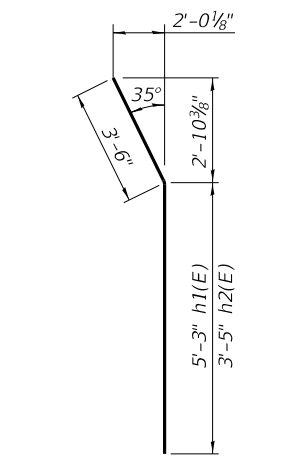
Note:  
Existing reinforcement extending out of existing abutment cap in the backwall shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.  
Existing reinforcement extending out of existing abutment cap that is damaged or not salvaged shall be replaced with either drilled or epoxy grouted bars. Bars epoxy grouted shall have an embedment sufficient to develop 1.25 times the capacity of the reinforcement bar.



**SECTION A-A**  
(Dimensions are at right L's)



**BAR u(E)**



**BARS h1(E) & h2(E)**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	12	#5	20'-1"	—
h1(E)	6	#5	8'-9"	—
h2(E)	6	#5	6'-11"	—
u(E)	45	#5	3'-8"	U
Concrete Removal			Cu. Yd.	3.4
Reinforcement Bars, Epoxy Coated			Pound	520
Concrete Structures			Cu. Yd.	3.9

\* Cast top of wingwall flush with exterior beam face after beams have been erected.

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PLOT SCALE = 0:2.0000 " = 1" / in.  
PLOT DATE = 3/3/2021

DESIGNED - C. PUZEY  
CHECKED - J. THOELE  
DRAWN - R. JOHNSON  
CHECKED - CGP, JGT

REVISED -  
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REVISED -  
REVISED -

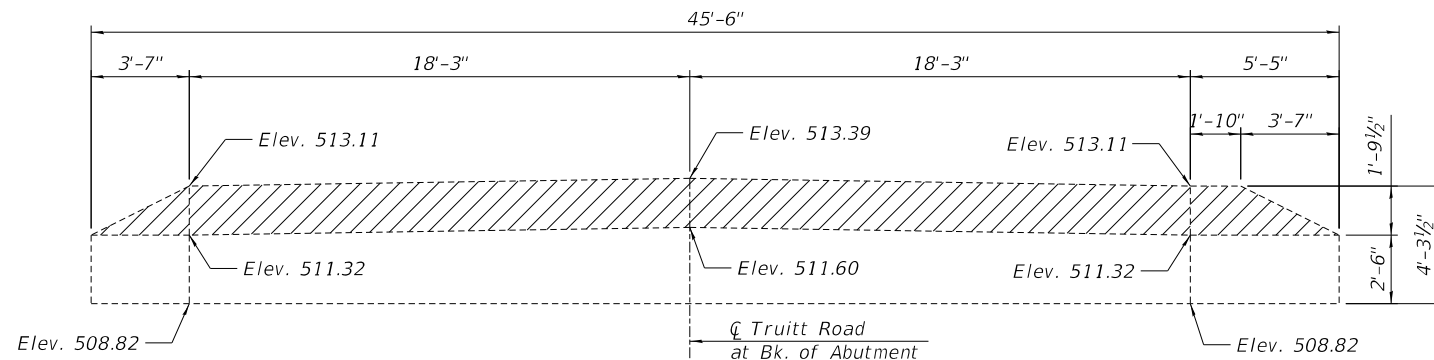
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WEST ABUTMENT DETAILS  
STRUCTURE NO 072-3124**

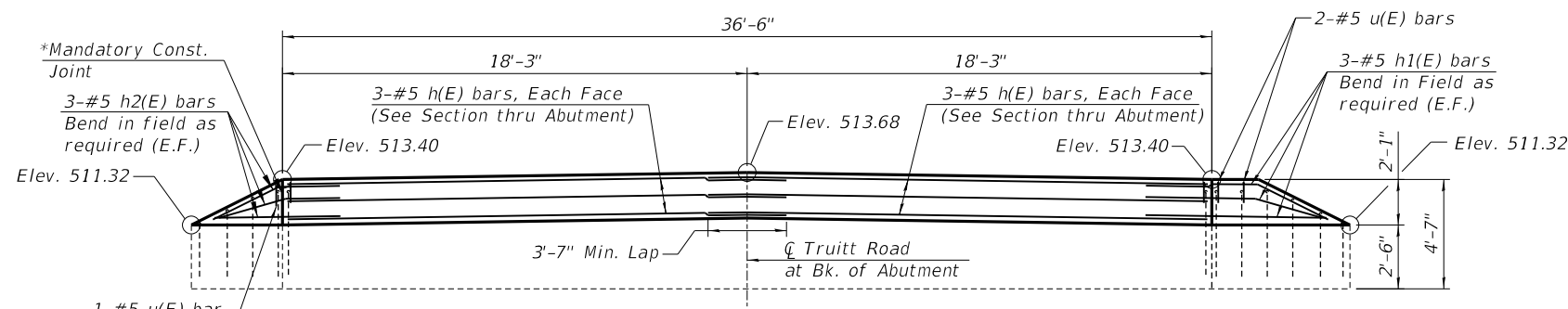
SHEET 9 OF 11 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	20L0208			CONTRACT NO. 89801

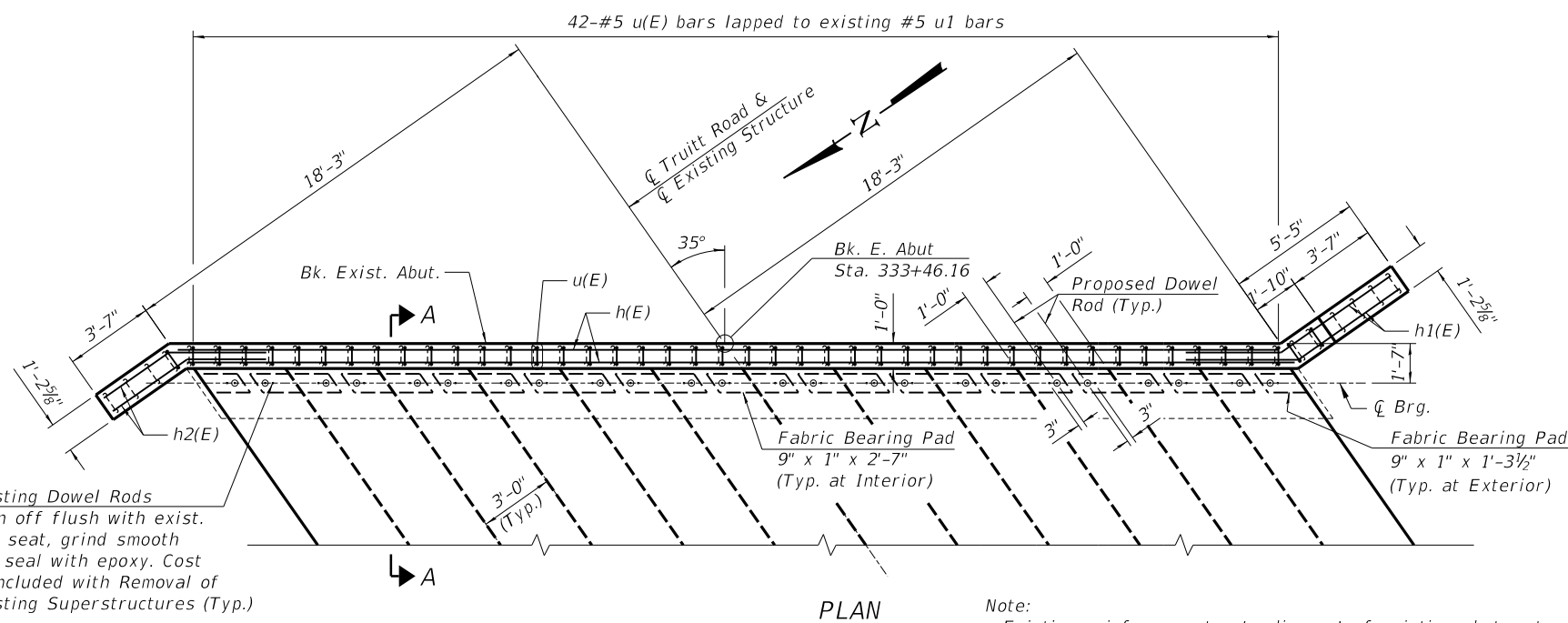
ILLINOIS FED. AID PROJECT



**CONCRETE REMOVAL ELEVATION**  
(Looking East)  
(Dimensions are at Rt. L's)

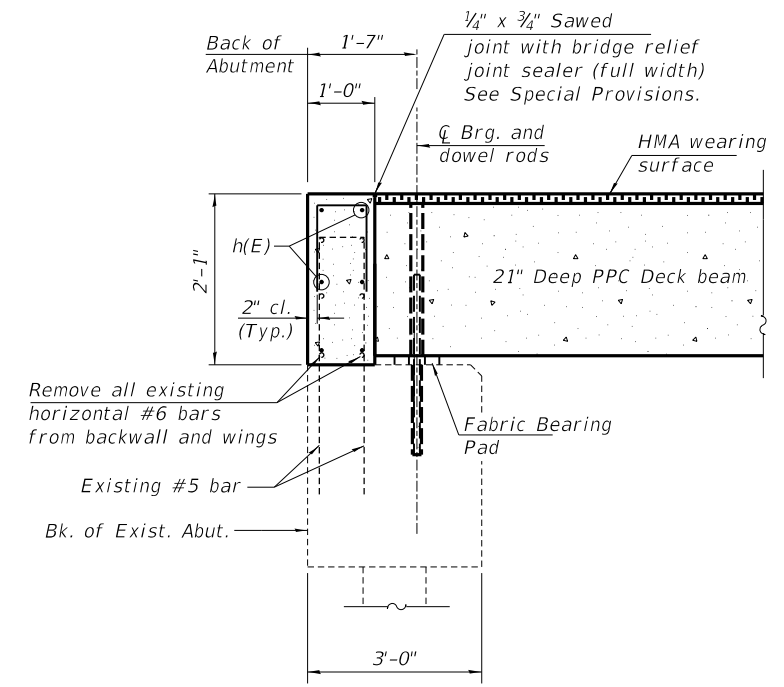


**ELEVATION**  
(Looking East)  
(Dimensions are at Rt. L's)

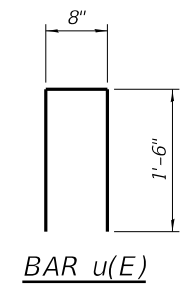


**PLAN**

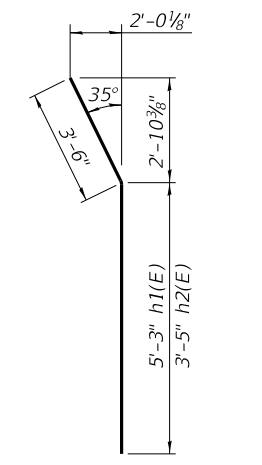
Note:  
Existing reinforcement extending out of existing abutment cap in the backwall shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.  
Existing reinforcement extending out of existing abutment cap that is damaged or not salvaged shall be replaced with either drilled or epoxy grouted bars. Bars epoxy grouted shall have an embedment sufficient to develop 1.25 times the capacity of the reinforcement bar.



**SECTION A-A**  
(Dimensions are at right L's)



**BAR u(E)**



**BARS h1(E) & h2(E)**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	12	#5	20'-1"	—
h1(E)	6	#5	8'-9"	—
h2(E)	6	#5	6'-11"	—
u(E)	45	#5	3'-8"	U
Concrete Removal			Cu. Yd.	3.4
Reinforcement Bars, Epoxy Coated			Pound	520
Concrete Structures			Cu. Yd.	3.9

\* Cast top of wingwall flush with exterior beam face after beams have been erected.

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PLOT DATE = 3/3/2021	DRAWN - R. JOHNSON	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

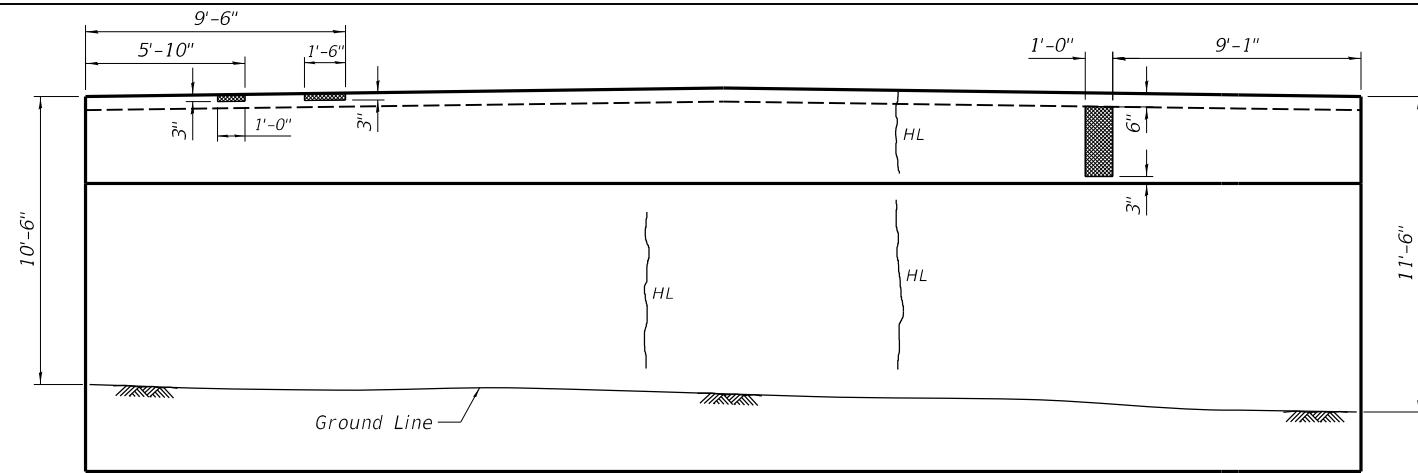
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STRUCTURE NO 072-3124**

SHEET 10 OF 11 SHEETS

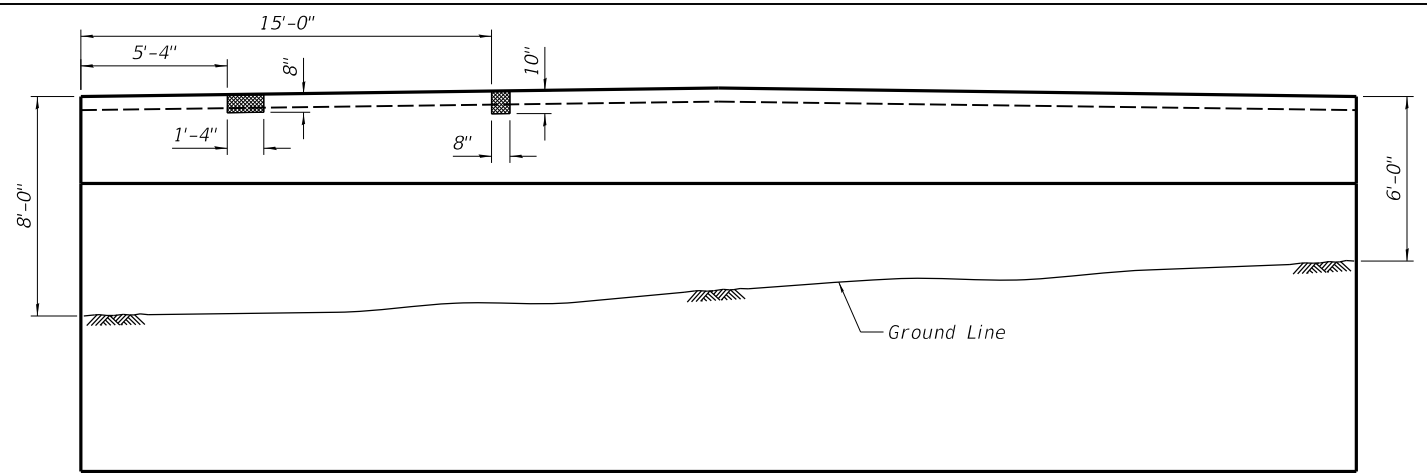
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	20L0208		CONTRACT NO. 89801	

ILLINOIS FED. AID PROJECT

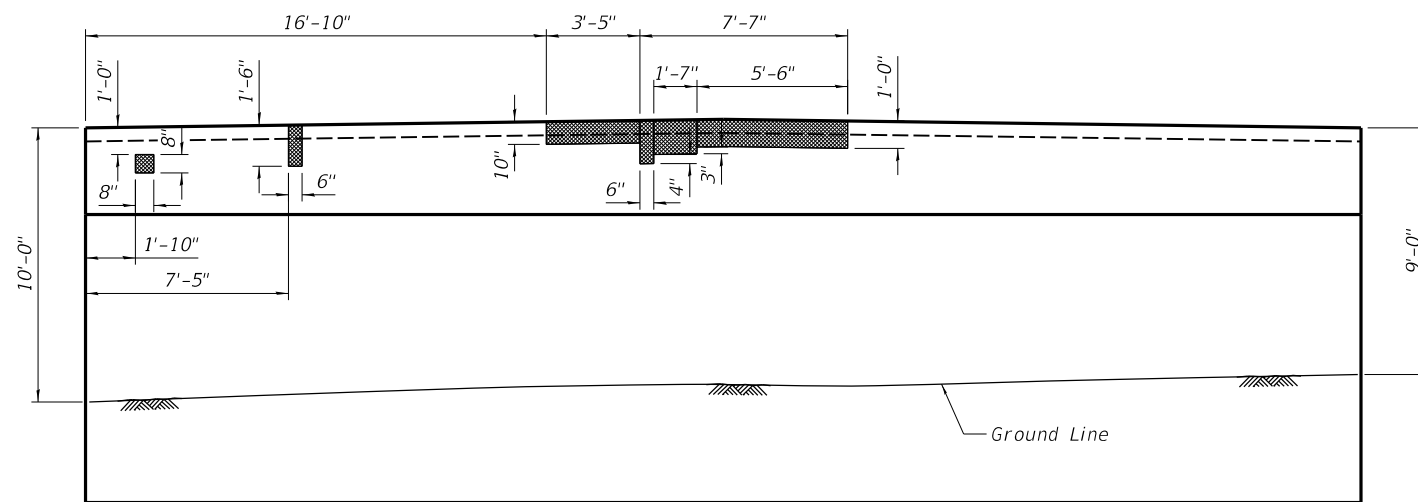




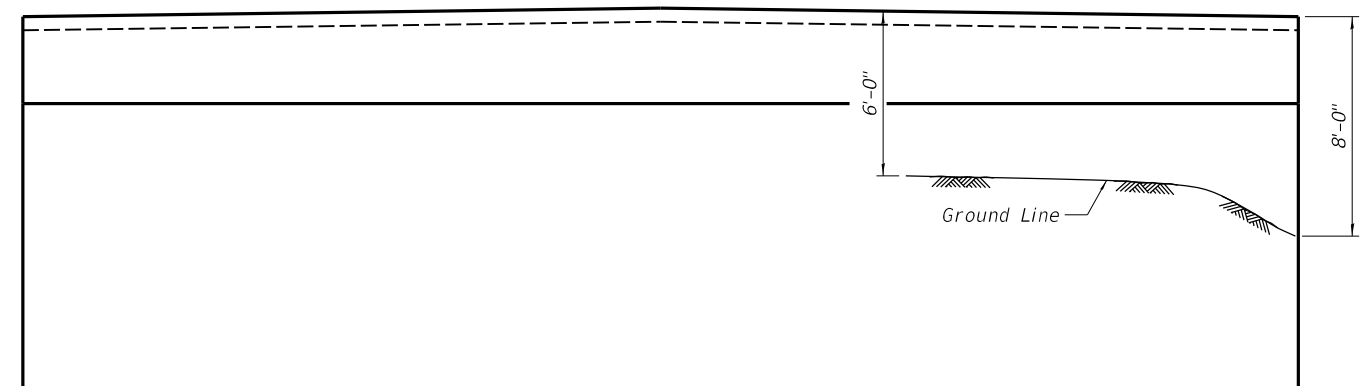
**EAST PIER**  
(WEST FACE)



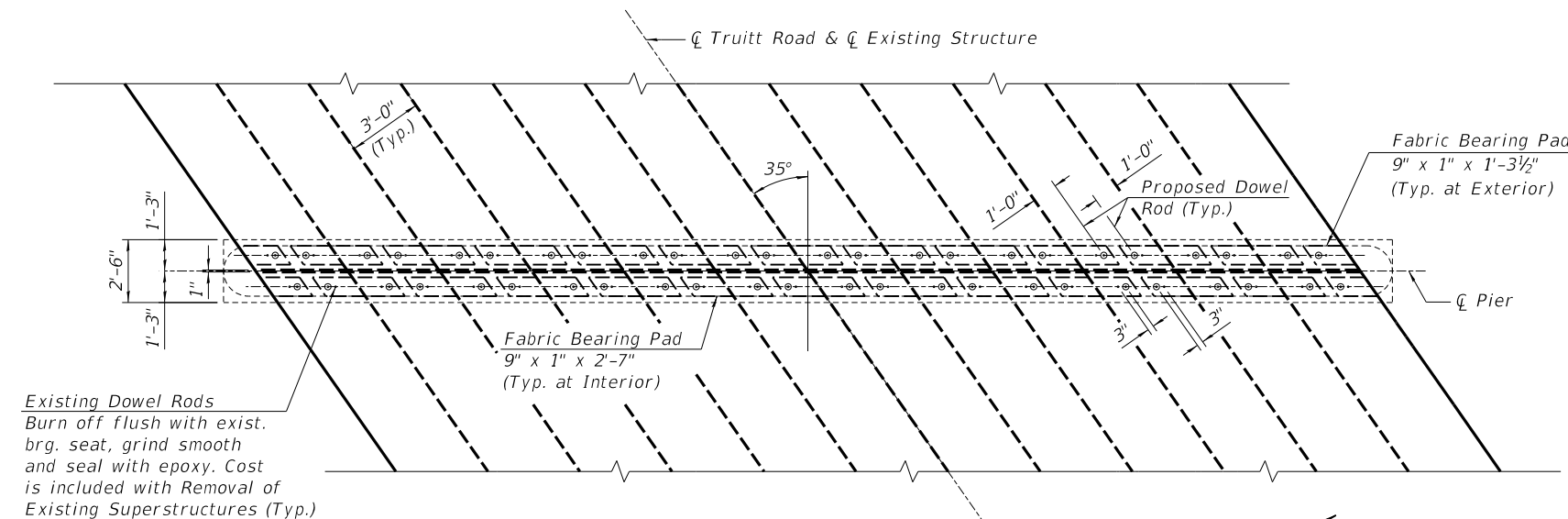
**WEST PIER**  
(WEST FACE)



**EAST PIER**  
(EAST FACE)



**WEST PIER**  
(EAST FACE)



**PLAN**

Structure Repair of Concrete  
(Depth equal to or less than 5 inches)

**BILL OF MATERIAL**

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	18

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CHECKED - J. THOELE  
DRAWN - R. JOHNSON  
CHECKED - CGP, JGT

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REVISED -  
REVISED -

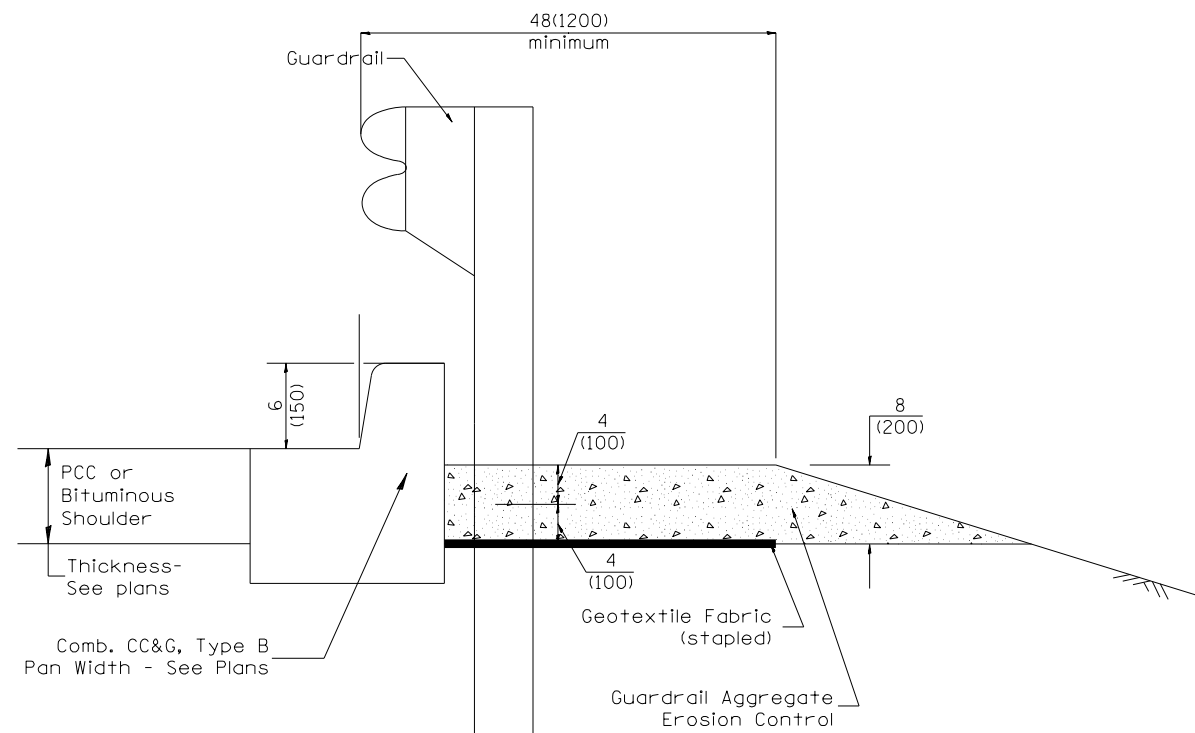
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PIER DETAILS**  
**STRUCTURE NO 072-3124**

SHEET 11 OF 11 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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20L0208		CONTRACT NO. 89801		

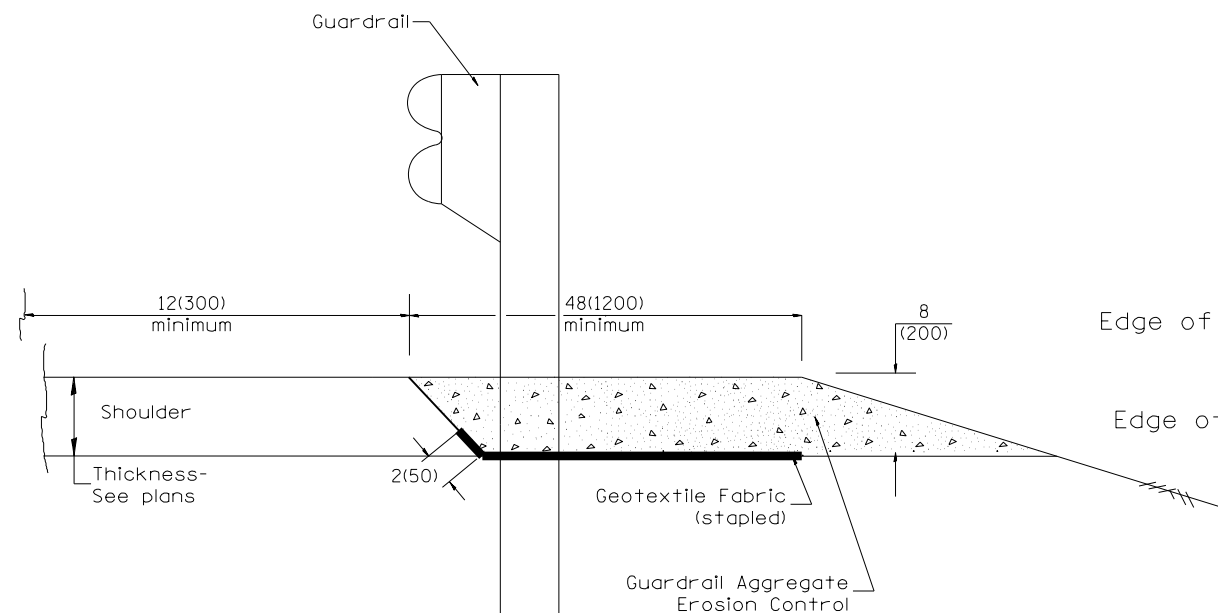
ILLINOIS FED. AID PROJECT



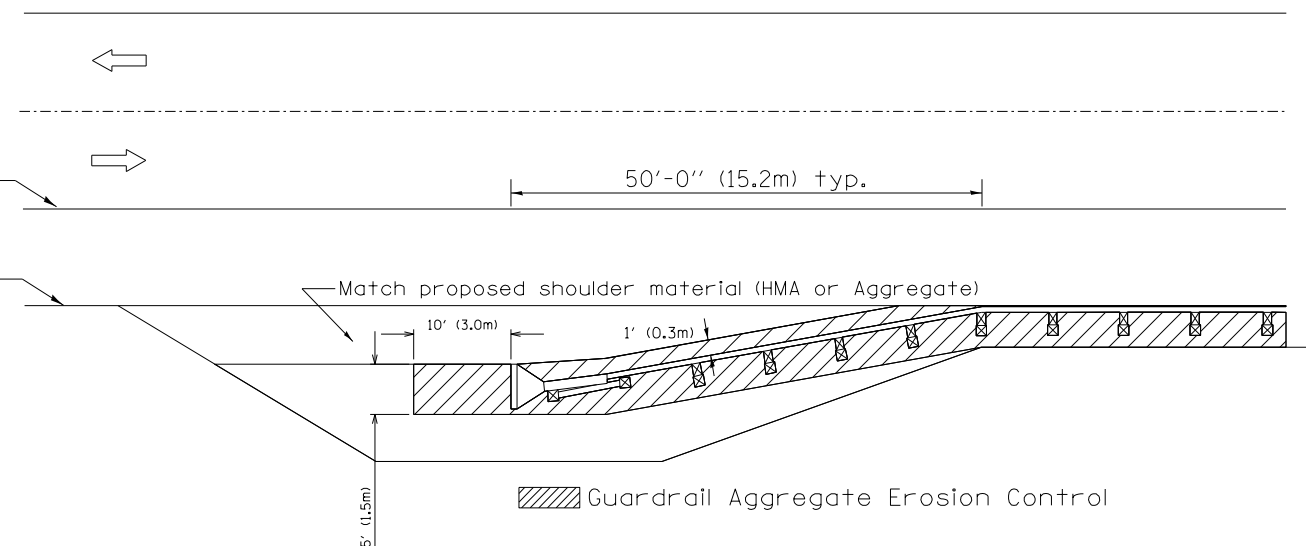
**TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER**

**GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL**

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
  - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
  - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



**TYPICAL SECTION WITHOUT EROSION CONTROL CURB**



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

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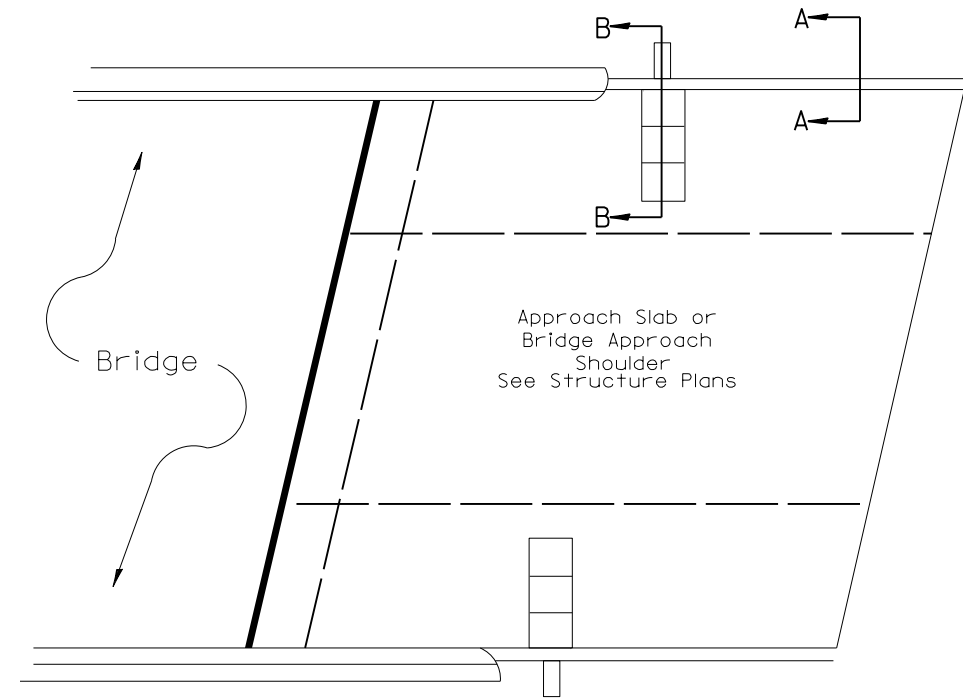
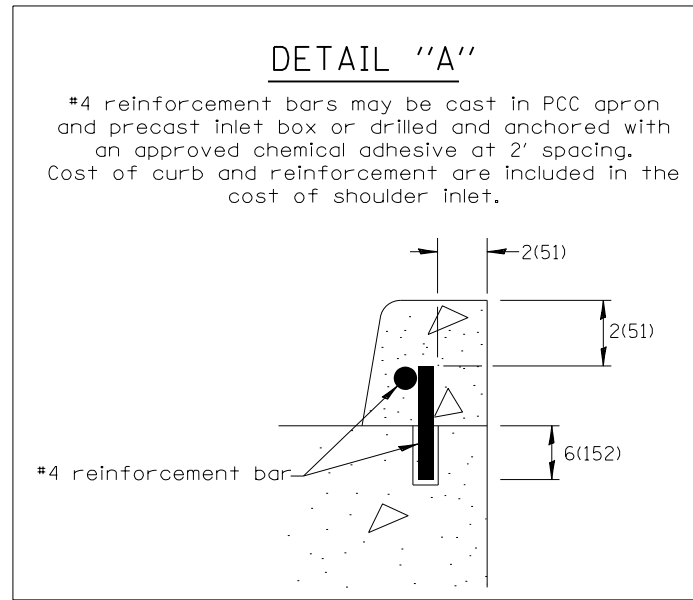
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	DRAWN -	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

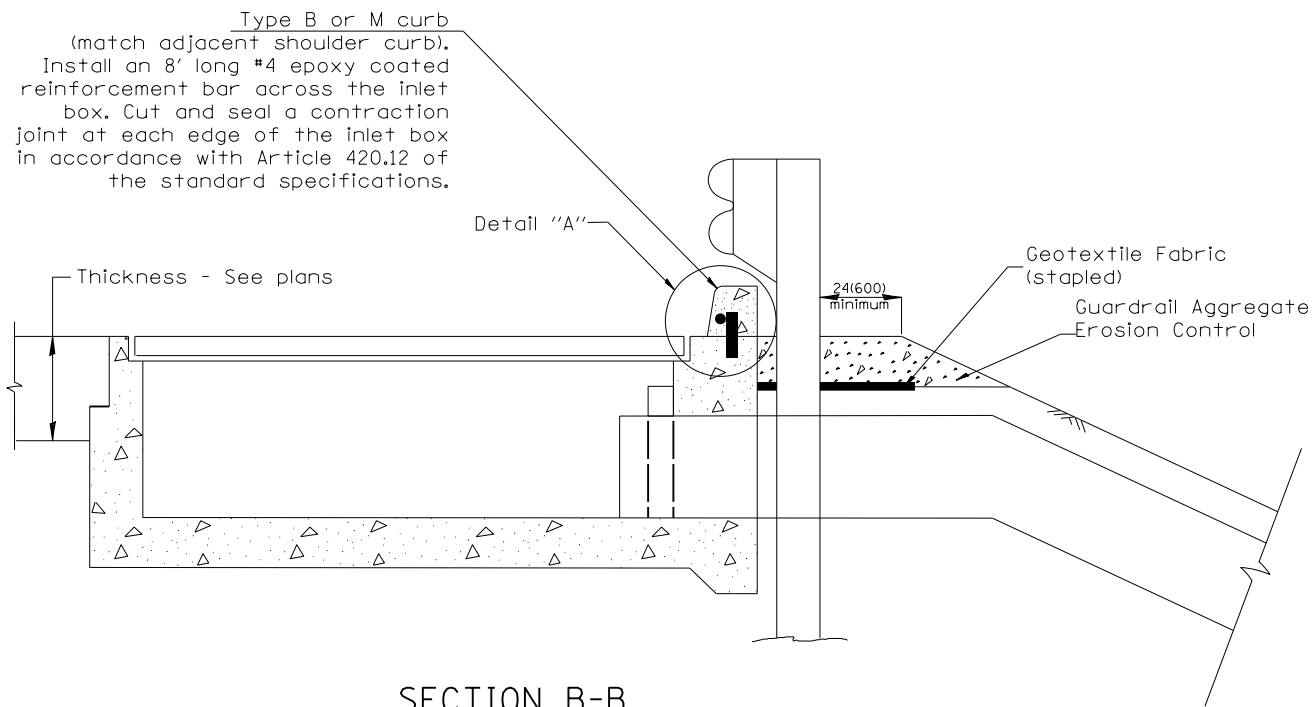
**GUARDRAIL EROSION CONTROL TREATMENTS  
 CADD STD. 630101-D4**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

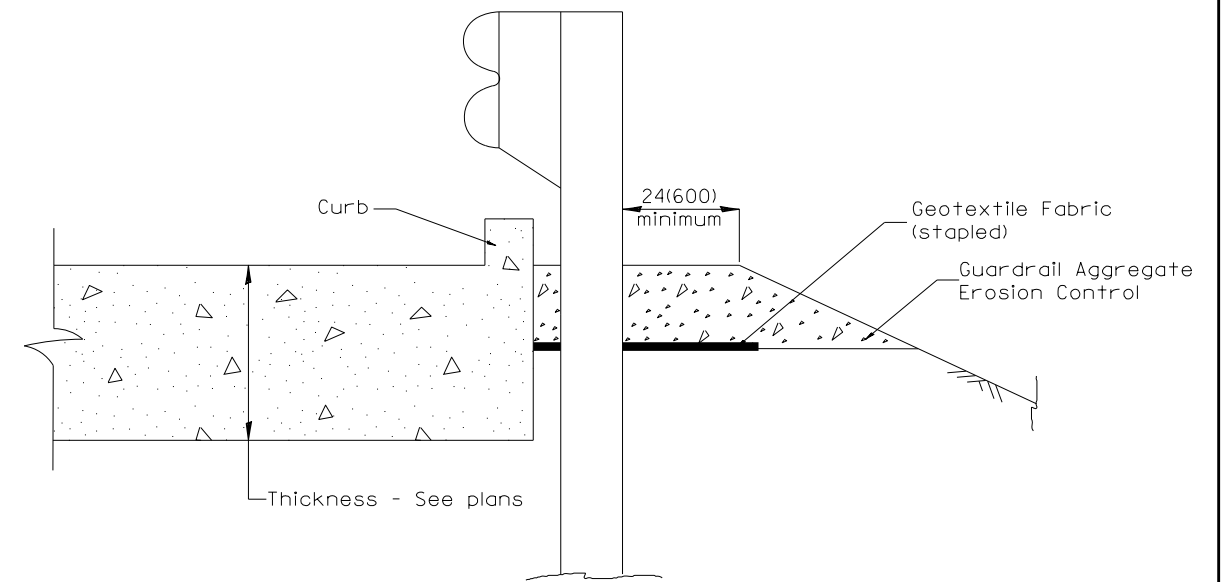
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378	20-00045-00-BR	PEORIA	36	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89801	



**PLAN VIEW**  
**APPROACH SLAB OR SHOULDER PLACEMENT**



**SECTION B-B**  
**TYPICAL SECTION AT INLETS**  
**TYPE E, F & G (HIGHWAY STANDARD 610001)**



**SECTION A-A**  
**TYPICAL SECTION WITH BRIDGE APPROACH CURB**

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

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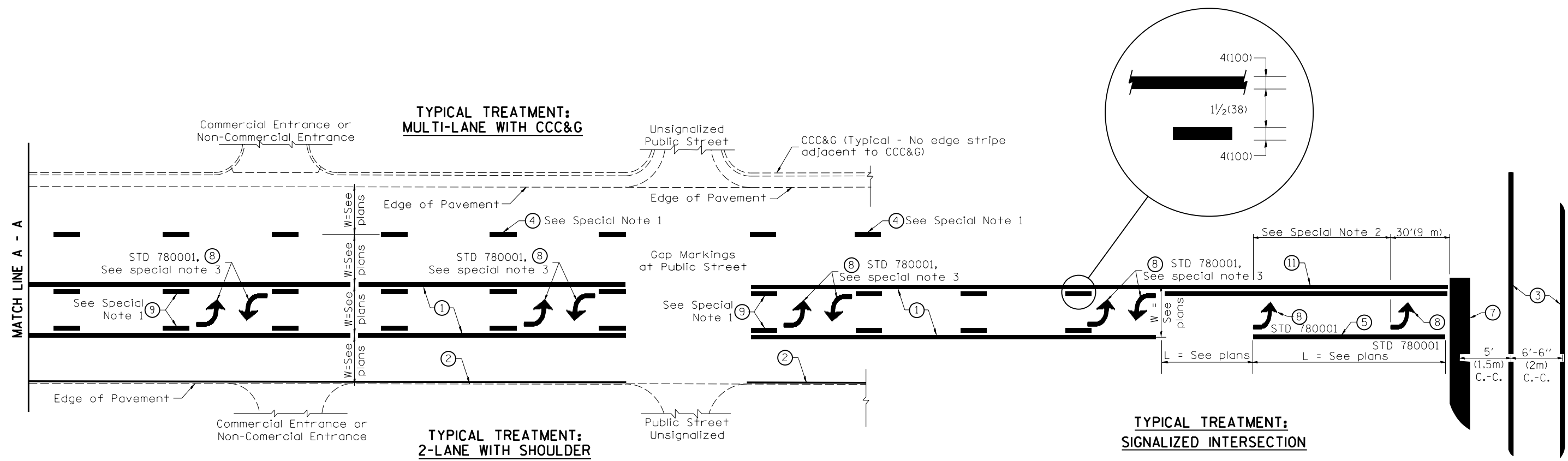
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	DATE - 3/12/2021	REVISED -

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

**GUARDRAIL EROSION CONTROL TREATMENTS**  
**CADD STD. 630101-D4**

SCALE: NTS      SHEET      OF      SHEETS      STA.      TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	27
CONTRACT NO. 89801				
ILLINOIS		FED. AID PROJECT		



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:  
Through Arrow= 14.8 sq. ft.  
Large Left or Right Arrow= 21.9 sq. ft.  
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.  
Wrong Way Arrow= 29.5 sq. ft.  
Railroad Crossing Symbol= 69.8 sq. ft.  
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

LAYOUT	
DRAWN	
REVIEWED	

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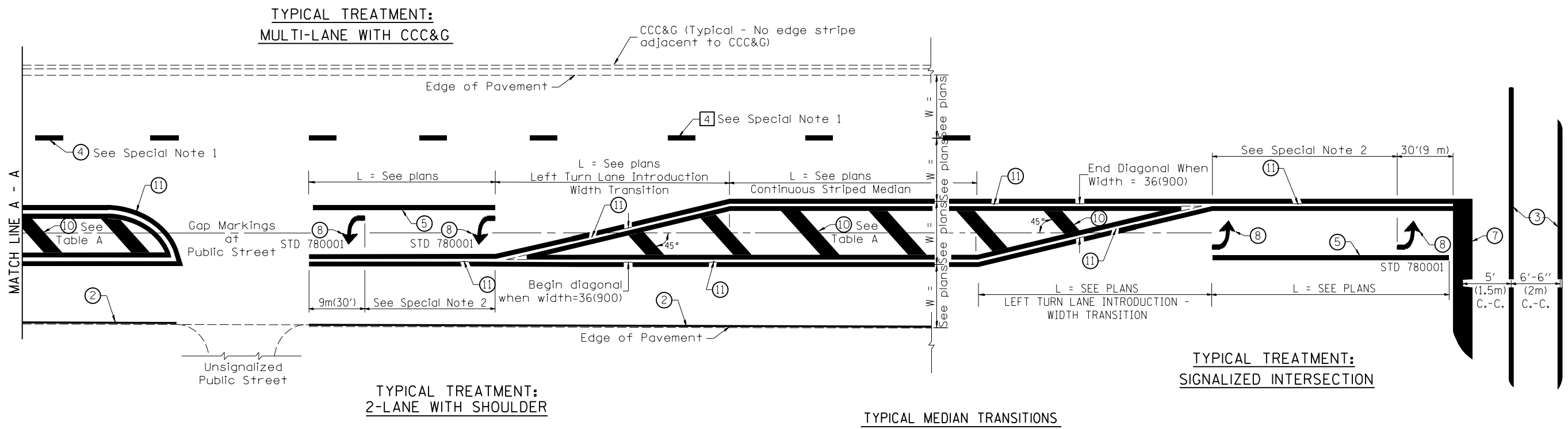
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKINGS  
CADD STD. 780001-D4**

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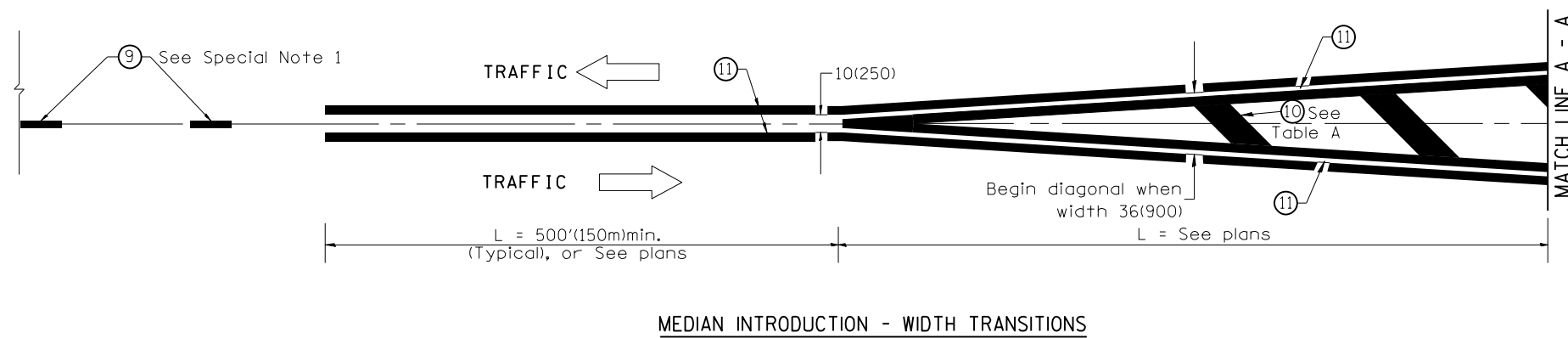
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378	20-00045-00-BR	PEORIA	36	28
			CONTRACT NO. 89801	
ILLINOIS FED. AID PROJECT				



**FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE**

**TABLE A**  
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



LAYOUT  
DRAWN  
REVIEWED

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	DATE - 3/12/2021	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKINGS  
CADD STD. 780001-D4**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

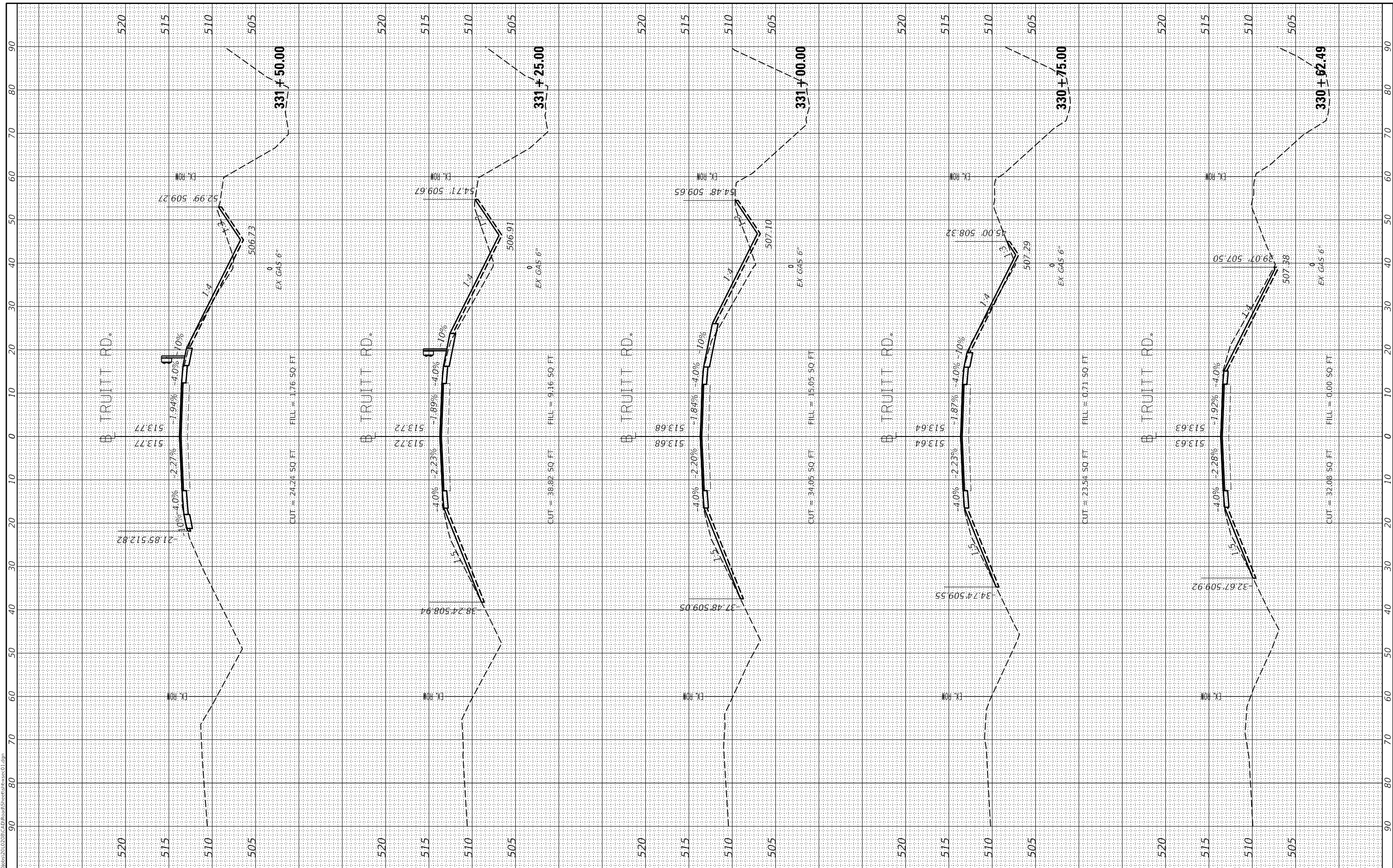
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AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



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

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DRAWN	RLA	2/05/2021
REVIEWED	MGD	2/26/2021

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	DATE - 3/12/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 10'  
SHEET OF SHEETS STA. 330+62.49 TO STA. 331+50.00

**TRUITT ROAD  
CROSS SECTIONS**

F.A.S. RTE. 378	SECTION 20-00045-00-BR	COUNTY PEORIA	TOTAL SHEETS 36	SHEET NO. 30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89801	

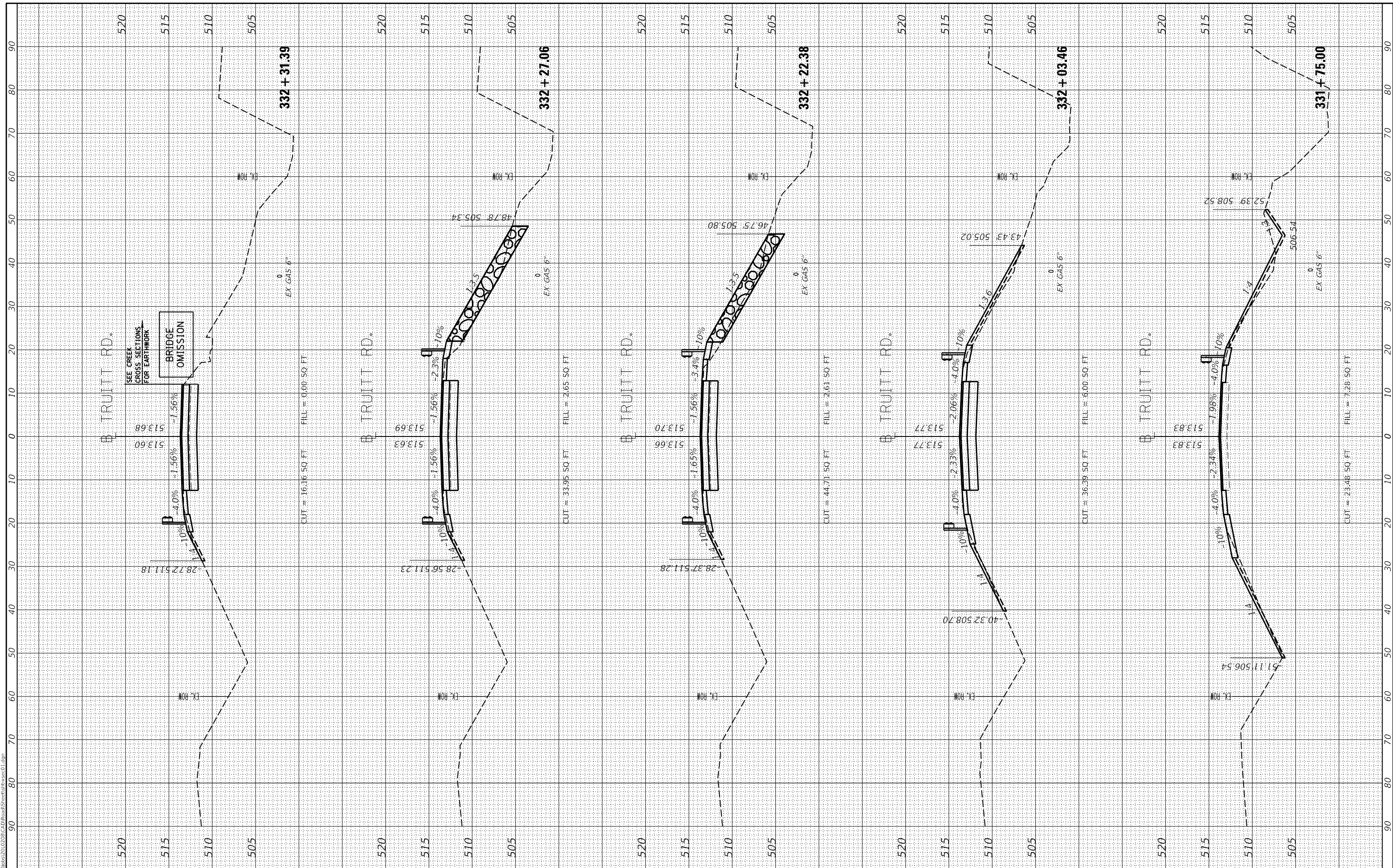
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REVIEWED	RLA	2/05/2021
	MGD	2/26/2021

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PLOT DATE = 3/3/2021	CHECKED - MGD	REVISED -
	DATE - 3/12/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'      SHEET OF SHEETS      STA. 331+75.00 TO STA. 332+31.39

**TRUITT ROAD  
CROSS SECTIONS**

F.A.S. RTE. 378	SECTION 20-00045-00-BR	COUNTY PEORIA	TOTAL SHEETS 36	SHEET NO. 31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89801	

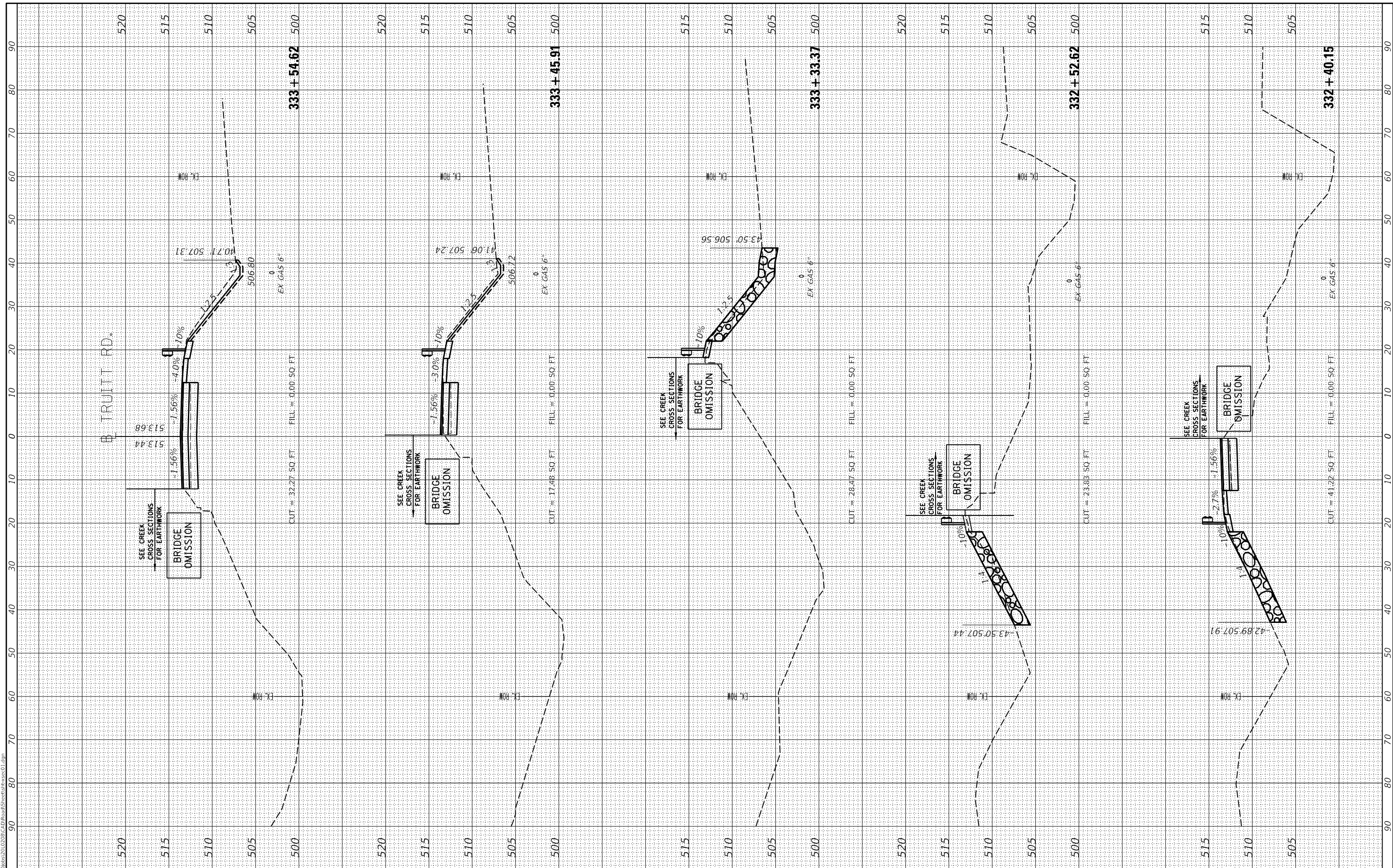
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NOTE BOOK NO.	TEMPLATE AREAS CHECKED
BY	DATE



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

LAYOUT DRAWN	RDH	1/22/2021
REVIEWED	RLA	2/05/2021
	MGD	2/26/2021

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	DATE - 3/12/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'      SHEET OF SHEETS      STA. 332+40.15 TO STA. 333+54.62

**TRUITT ROAD  
CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	32
CONTRACT NO. 89801			ILLINOIS FED. AID PROJECT	



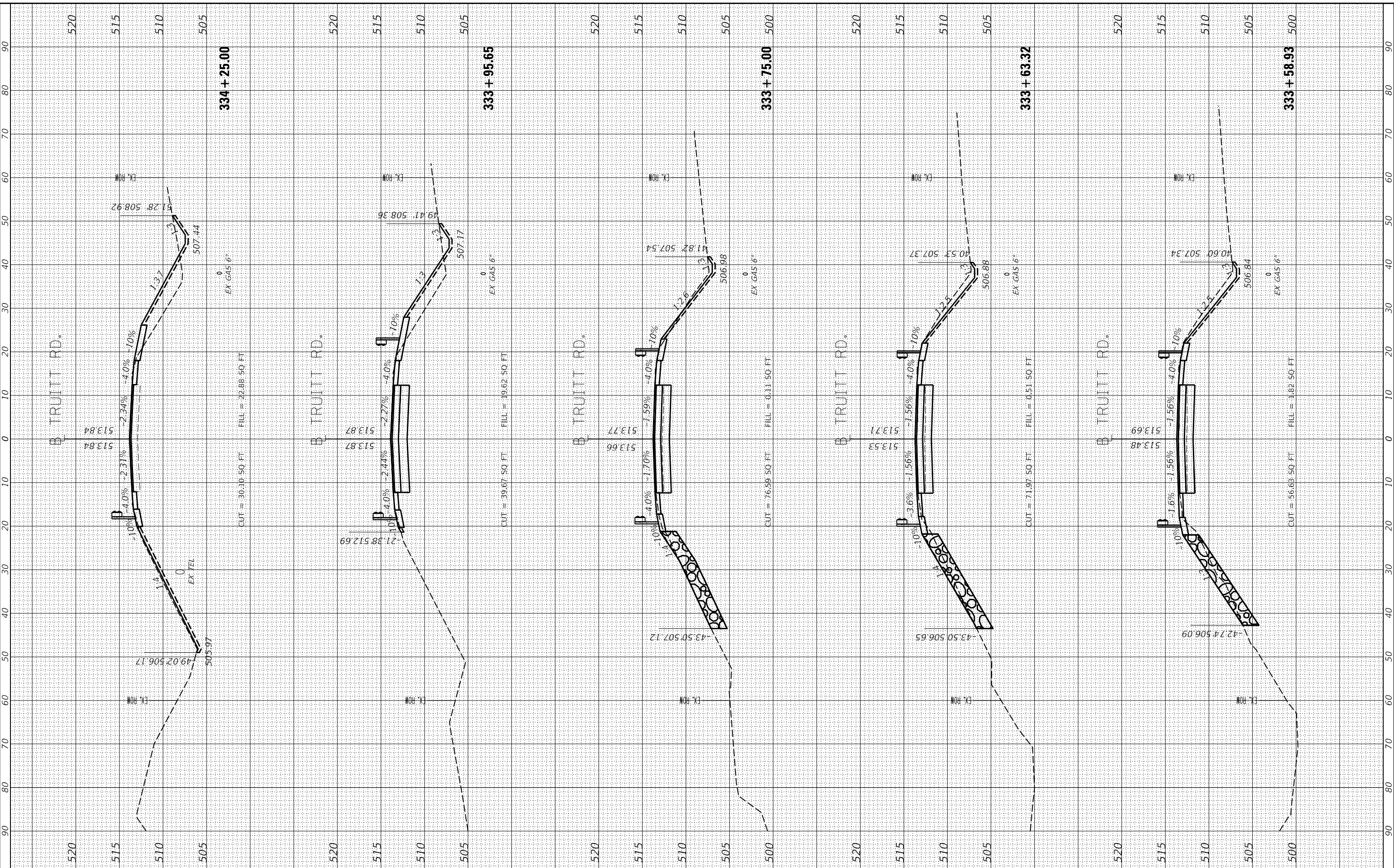
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NOTE BOOK	PLOTTED		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

LAYOUT	RDH	1/22/2021
DRAWN	RLA	2/05/2021
REVIEWED	MGD	2/26/2021

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DRAWN	- RLA
CHECKED	- MGD
PLOT DATE	= 3/3/2021
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRUITT ROAD CROSS SECTIONS</b>	
SCALE: 1"=10'	SHEET OF SHEETS
STA. 333+58.93 TO STA. 334+25.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	20-00045-00-BR	PEORIA	36	33
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

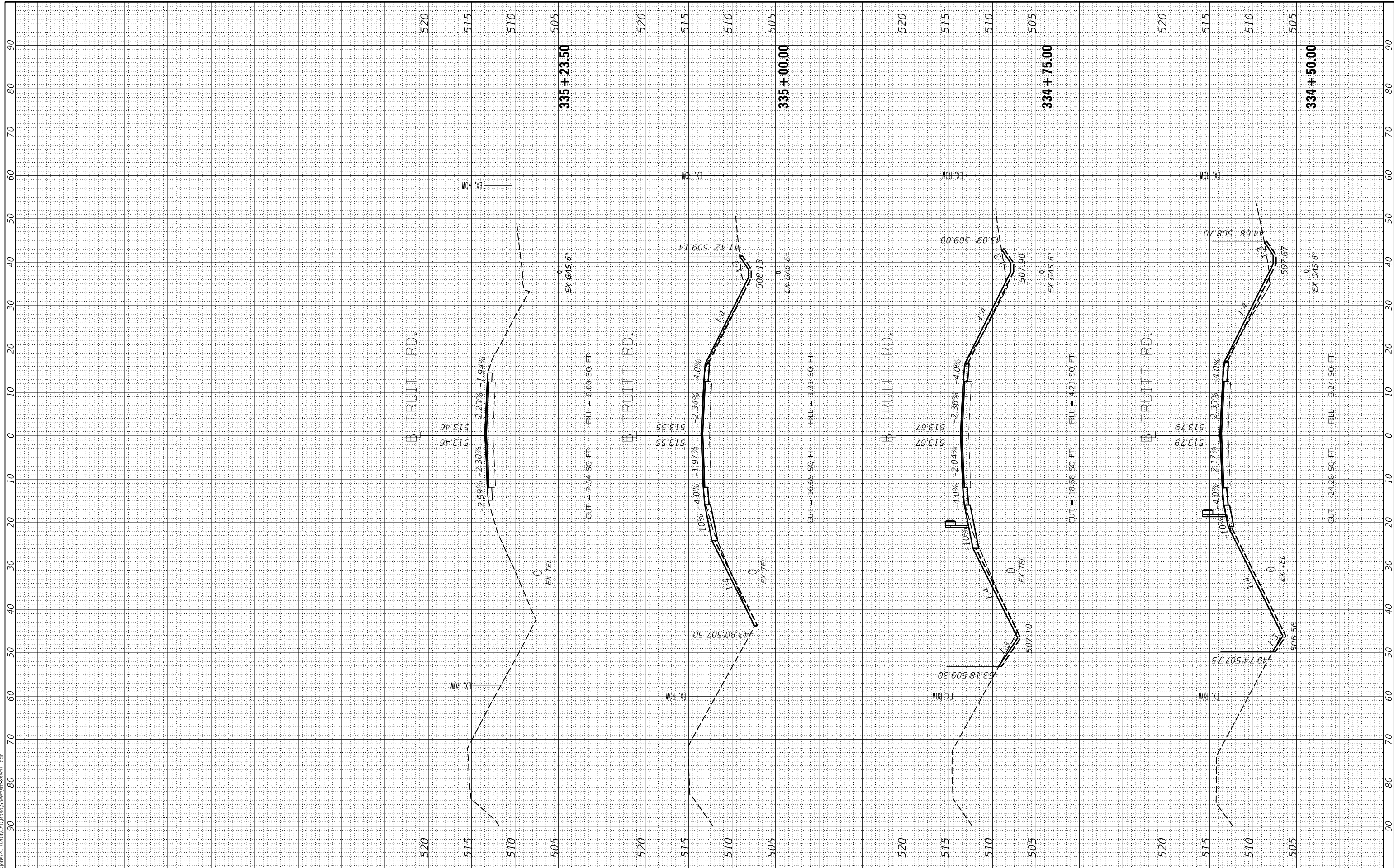
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LAYOUT DRAWN REVIEWED	RDH RLA MGD	1/22/2021 2/05/2021 2/26/2021
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	DATE - 3/12/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'	SHEET	OF	SHEETS	STA. 334+50.00	TO STA. 335+23.50
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**TRUITT ROAD  
CROSS SECTIONS**

F.A.S. RTE. 378	SECTION 20-00045-00-BR	COUNTY PEORIA	TOTAL SHEETS 36	SHEET NO. 34
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

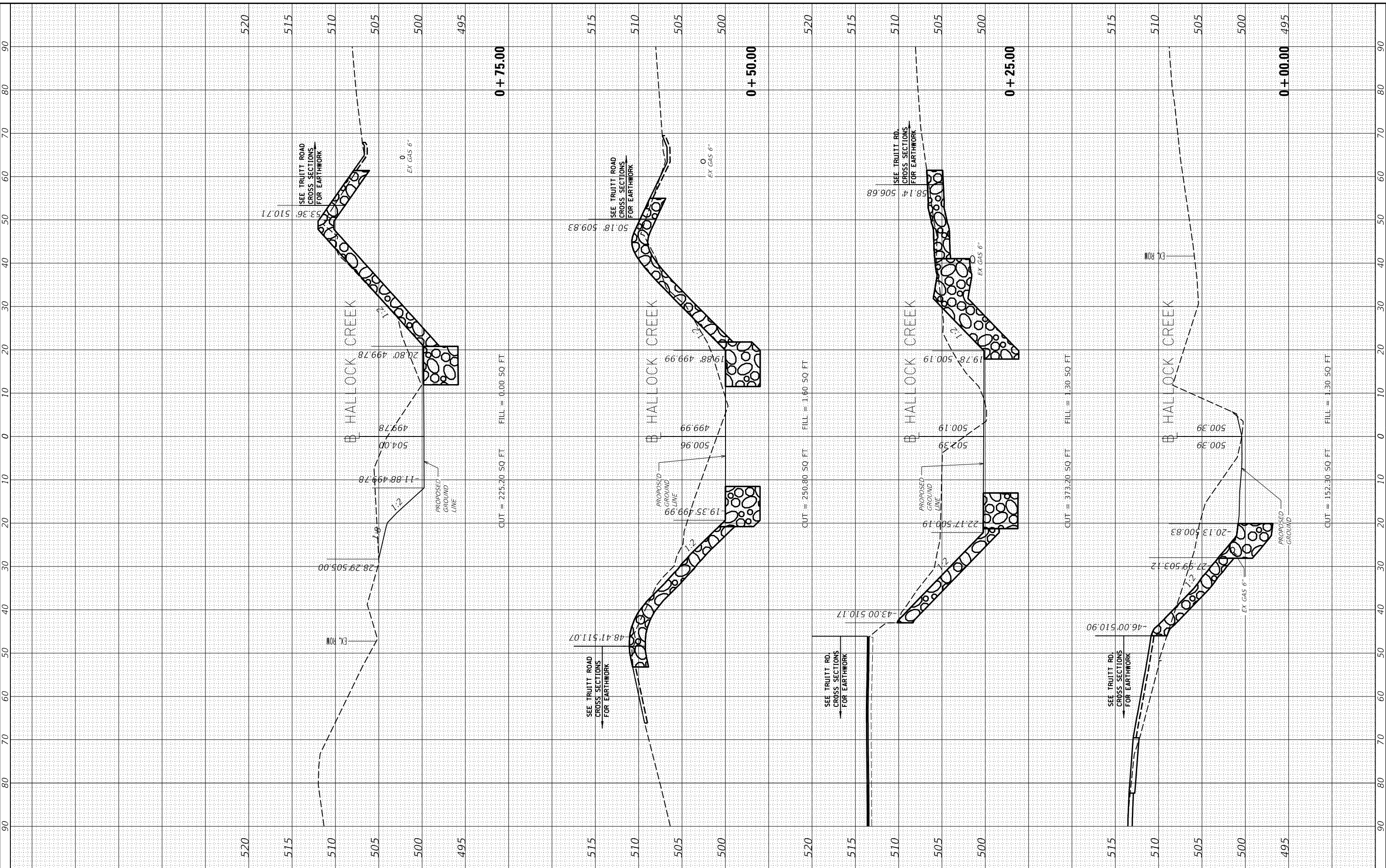
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ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

LAYOUT DRAWN REVIEWED	RDH RLA MGD	1/22/2021 2/26/2021 2/26/2021
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	DATE - 3/12/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRUITT ROAD CREEK CROSS SECTIONS</b>	
SCALE: 1"=10'	SHEET OF SHEETS STA. +00.00 TO STA. +75.00

F.A.S. RTE. 378	SECTION 20-00045-00-BR	COUNTY PEORIA	TOTAL SHEETS 36	SHEET NO. 35
CONTRACT NO. 89801				
ILLINOIS FED. AID PROJECT				

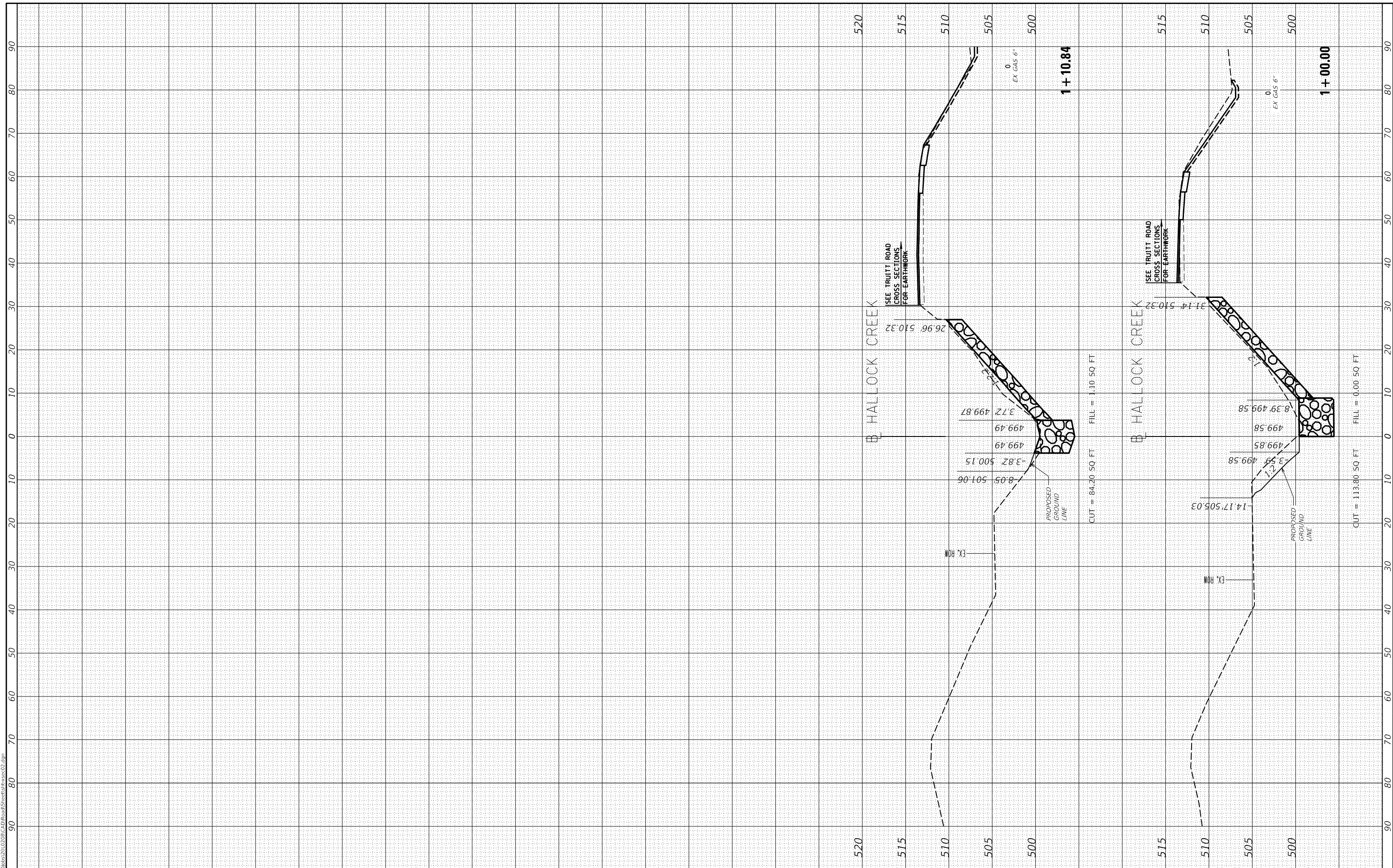
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ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

LAYOUT DRAWN REVIEWED	RDH RLA MGD	1/22/2021 2/26/2021 2/26/2021
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	DATE - 3/12/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRUITT ROAD  
CREEK CROSS SECTIONS**

SCALE: 1"=10' SHEET OF SHEETS STA. 1+00.00 TO STA. 1+10.84

F.A.S. RTE. 378	SECTION 20-00045-00-BR	COUNTY PEORIA	TOTAL SHEETS 36	SHEET NO. 36
CONTRACT NO. 89801				ILLINOIS FED. AID PROJECT