

06-14-2019 LETTING ITEM 200

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
322	3CR-1	JACKSON	14
		ILLINOIS	CONTRACT NO. 78635

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-6

PROPOSED HIGHWAY PLANS

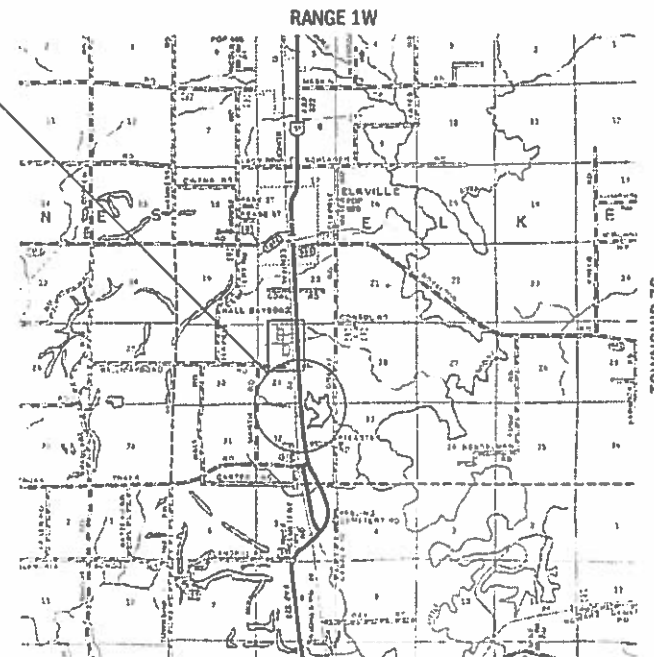
F.A.P. ROUTE 322 (US 51)
SECTION 3CR-1
PROJECT NHPP-X91E(540)
BOX CULVERT REPLACEMENT
JACKSON COUNTY

C-99-050-18

TRAFFIC DATA
2017 ADT = 5,250
WITH 10.5% TRUCKS

TOWNSHIP
DE SOTO

IMPROVEMENT LOCATION
STRUCTURE 039-7061 (E)
STRUCTURE 039-7121 (P)
US 51 OVER UNNAMED CREEK



COORDINATE SYSTEM: WEST ZONE
POSTED SPEED: 55 MPH

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

PROJECT ENGINEER: DAVID PICHE
DESIGN ENGINEER: ADRIAN ADAMS

CONTRACT NO. 78635

GROSS LENGTH = 40.00 FT. = 0.01 MILES
NET LENGTH = 40.00 FT. = 0.01 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 12 20 18
Jeffrey Z. Kern
REGION FIVE ENGINEER

May 10 20 19
Scott E. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

May 10 20 19
Paul P. Chaf
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

- 1) AT ALL LOCATIONS WHERE EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
- 2) A CALCIUM CHLORIDE ACCELERATOR WILL BE ALLOWED ONLY FOR THE PCC PAVEMENT, 10".
- 3) REMOVAL OF EXISTING AGGREGATE SHOULDERS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- 4) THERE ARE NO AVAILABLE WASTE SITES ON THE EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS. DISPOSAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

COMMITMENTS

- A. NO EQUIPMENT SHALL BE PARKED OR STAGED EAST OF US 51 ROADWAY, BEHIND GUARDRAIL, OUTSIDE OF THE CONSTRUCTION LIMITS. ADDITIONALLY, NO STOCKPILING SHALL OCCUR IN THIS AREA.
- B. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT WILL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30.

STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-09	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, COMMITMENTS, INDEX OF SHEETS, AND STANDARDS
3	SIGNATURE SHEET
4-6	SUMMARY OF QUANTITIES
7	SCHEDULES
8	GENERAL PLAN SN 039-7121 (P)
9	FINAL SECTION SN 039-7121 (P)
10	LIMITS OF POROUS GRANULAR EMBANKMENT AND TYPICAL SECTION WITHIN PAVEMENT REMOVAL SN 039-7121 (P)
11	RIGHT OF WAY PLAN
12-13	PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS
14	DISTRICT STANDARDS

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	DRAWN -	REVISED -				322	3CR-1	JACKSON	14	2	
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PLOT DATE = 12/13/2018	DATE -	REVISED -						ILLINOIS		FED. AID PROJECT	

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PLOT DATE = 12/3/2018	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

SCALE: _____ SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	3CR-1	JACKSON	14	3
CONTRACT NO. 78635				
ILLINOIS FED. AID PROJECT				

Prepared By: *Charles Steen*
DISTRICT STUDIES & PLANS ENGINEER

Examined By: *Nancy Lee*
DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Carrie Nelson*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *Kevin Kelly*
DISTRICT OPERATIONS ENGINEER

Examined By: *[Signature]*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Douglas J. Miller*
DISTRICT CONSTRUCTION ENGINEER

Examined By: *[Signature]*
DISTRICT MATERIALS ENGINEER

SUMMARY OF QUANTITIES

COUNTY: JACKSON COUNTY
 ROUTE: US 51
 FUNDING: NHPP, 80% FED, 20% STATE
 LOCATION: RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	351
20700220	POROUS GRANULAR EMBANKMENT	CU YD	198
25000200	SEEDING, CLASS 2	ACRE	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.5
25100630	EROSION CONTROL BLANKET	SQ YD	172
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25
42000060	WELDED WIRE REINFORCEMENT	SQ YD	120
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	120
44000100	PAVEMENT REMOVAL	SQ YD	120
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	63

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USER NAME = adamsam PLOT SCALE = 100.0000' / in. PLOT DATE = 1/17/2019	DESIGNED - _____ DRAWN - _____ CHECKED - _____ DATE - _____	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">F.A.P. RTE.</td> <td style="font-size: small;">SECTION</td> <td style="font-size: small;">COUNTY</td> <td style="font-size: small;">TOTAL SHEETS</td> <td style="font-size: small;">SHEET NO.</td> </tr> <tr> <td style="text-align: center;">322</td> <td style="text-align: center;">3CR-1</td> <td style="text-align: center;">JACKSON</td> <td style="text-align: center;">14</td> <td style="text-align: center;">4</td> </tr> <tr> <td colspan="5" style="text-align: center; font-size: small;">CONTRACT NO. 78635</td> </tr> <tr> <td colspan="5" style="text-align: center; font-size: x-small;">ILLINOIS FED. AID PROJECT</td> </tr> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	322	3CR-1	JACKSON	14	4	CONTRACT NO. 78635					ILLINOIS FED. AID PROJECT				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																					
322	3CR-1	JACKSON	14	4																					
CONTRACT NO. 78635																									
ILLINOIS FED. AID PROJECT																									

SUMMARY OF QUANTITIES - CONT

COUNTY: JACKSON COUNTY
 ROUTE: US 51
 FUNDING: NHPP, 80% FED, 20% STATE
 LOCATION: RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
			0004
50102400	CONCRETE REMOVAL	CU YD	40.0
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2
54010706	PRECAST CONCRETE BOX CULVERTS 7' X 6'	FOOT	50
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	62
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	450
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	38
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	670
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	1
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	36

* SPECIALTY ITEM

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REV. - MS

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SUMMARY OF QUANTITIES - CONT

COUNTY:	JACKSON COUNTY
ROUTE:	US 51
FUNDING:	NHPP, 80% FED, 20% STATE
LOCATION:	RURAL
	0004

	CODE NUMBER	ITEM DESCRIPTION	UNIT	
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	90
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1
*	78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	10
	X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SO YD	62

* SPECIALTY ITEM

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PLOT DATE = 1/17/2019	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	3CR-1	JACKSON	14	6
CONTRACT NO. 78635				
ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULE										
STATION					TRAFFIC BARRIER TERMINAL, TY 1 SPL TANGENT	TERMINAL MARKER DIRECT APPLIED	STEEL PLATE BEAM GUARDRAIL	STRONG POST GUARDRAIL ATTACHED TO CULVERT		
					EACH	EACH	FOOT	FOOT		
JACKSON COUNTY										
534+25.10	LT	TO	534+75.10	LT	1	1				
534+75.10	LT	TO	535+12.60	LT			37.5			
535+12.60	LT	TO	535+37.60	LT					25.00	
535+37.60	LT	TO	535+75.10	LT			37.5			
535+75.10	LT	TO	536+25.10	LT	1	1				
532+81.35	RT	TO	533+31.35	RT	1	1				
533+31.35	RT	TO	535+18.85	RT			187.50			
535+18.85	RT	TO	535+31.35	RT					12.50	
535+31.35	RT	TO	537+18.85	RT			187.50			
537+18.85	RT	TO	537+68.85	RT	1	1				
TOTALS					4	4	450	38		

PAVING SCHEDULE										
STATION					COMMENTS	PAVEMENT REMOVAL	PORTLAND CEMENT CONCRETE PAVEMENT, 10'	WELDED WIRE REINF.	AGGREGATE SHOULDERS, TYPE B - 8'	
						SO YD	SO YD	SO YD	SO YD	
535+05.1	LT	TO	535+45.1	LT		60	60	60	31.5	
535+05.1	RT	TO	535+45.1	RT		60	60	60	31.5	
TOTALS						120	120	120	63	

PAVEMENT MARKING SCHEDULE									
STATION					NOTES	PAINT PAVEMENT MARKING - LINE			
						SOLID WHITE		YELLOW SKIP DASH	
						FOOT		FOOT	
535+05.10	RT	TO	535+45.10	RT		40			
535+05.10		TO	535+45.10		ALONG CENTERLINE			10	
535+05.10	LT	TO	535+45.10	LT		40			
SUBTOTAL						80		10	
TOTAL						90			



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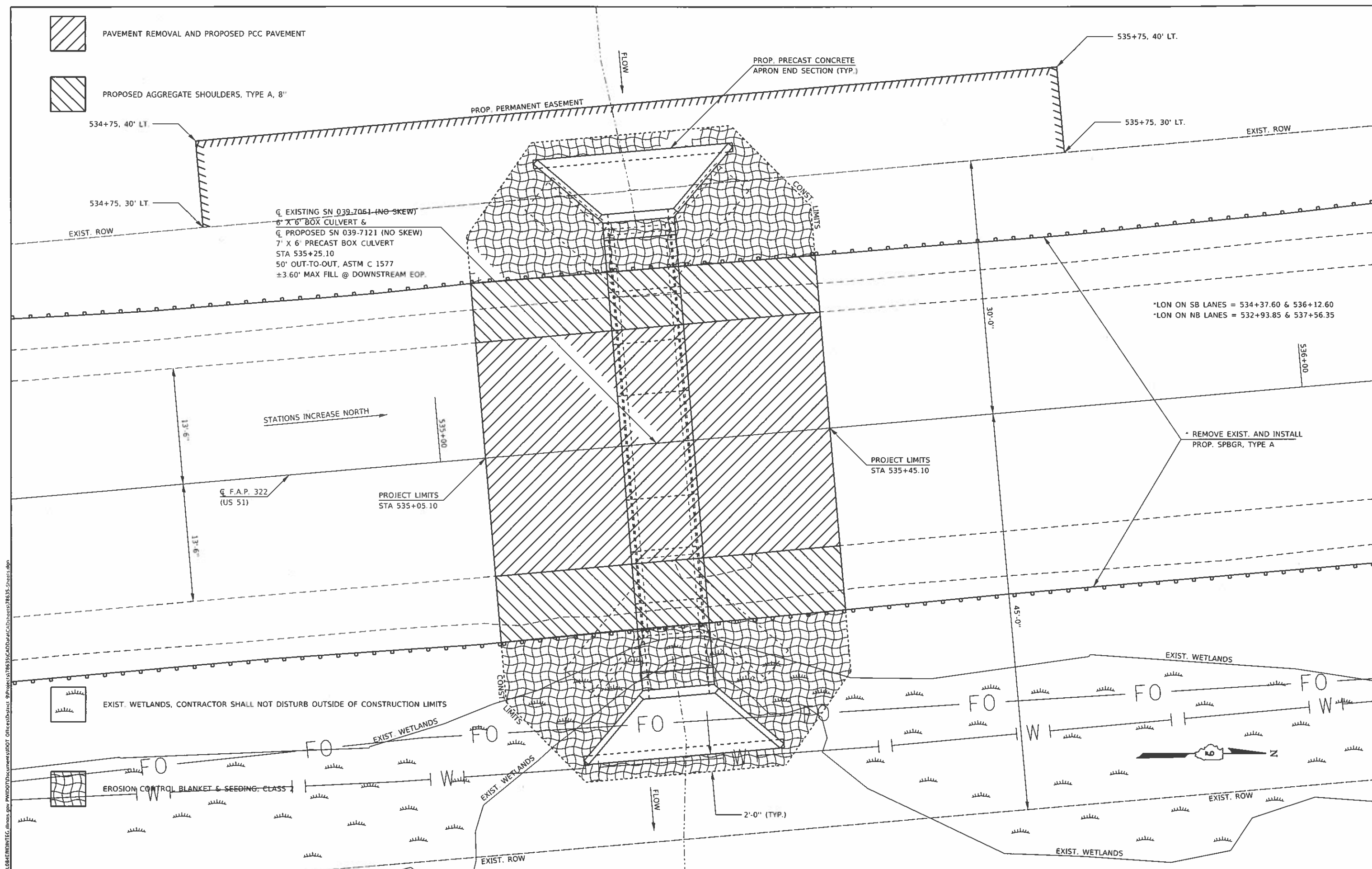
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PLOT DATE = 1/17/2019	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES			
SCALE: _____	SHEET _____	OF _____	SHEETS
STA. _____	TO STA. _____		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	3CR-1	JACKSON	14	7
CONTRACT NO. 78635				
ILLINOIS FED. AID PROJECT				

-  PAVEMENT REMOVAL AND PROPOSED PCC PAVEMENT
-  PROPOSED AGGREGATE SHOULDERS, TYPE A, 8"



USER NAME = adamslam	DESIGNED -	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN
SN 039-7121 (P)**

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

F.A.P. RTE. 322	SECTION 3CR-1	COUNTY JACKSON	TOTAL SHEETS 14	SHEET NO. 8
ILLINOIS FED. AID PROJECT CONTRACT NO. 78635				

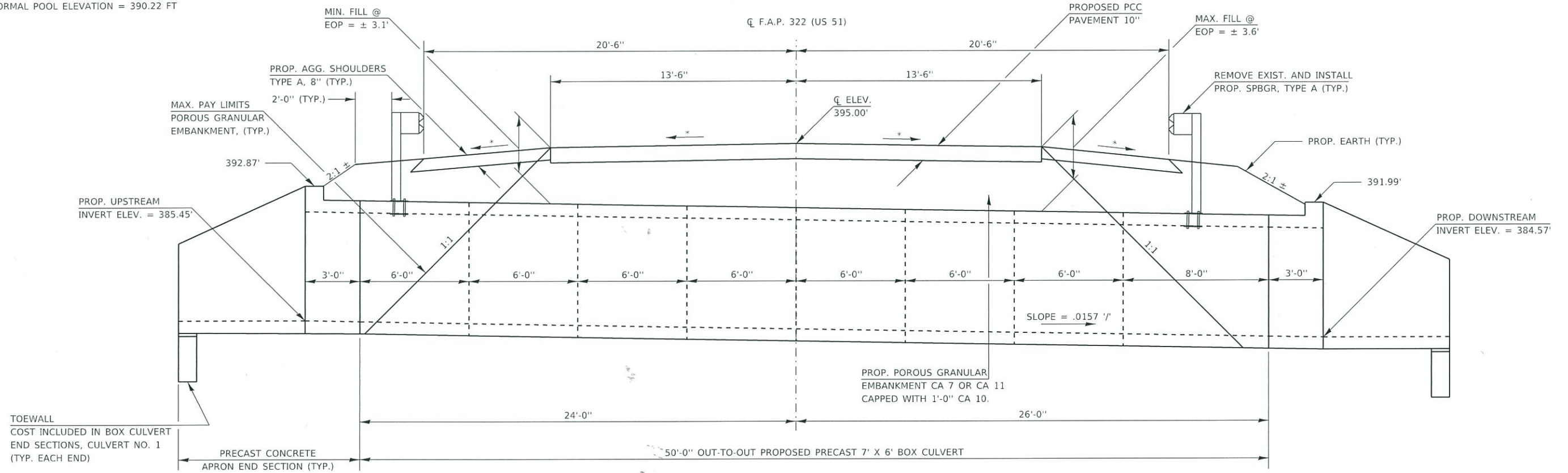
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FINAL SECTION

* MATCH EXISTING CROSS SLOPES

PRECAST BOX LOADING HL-93.
ASTM C 1577

HYDRAULIC DATA
 DRAINAGE AREA = 1.04 SQ MI
 DESIGN WATERWAY OPENING = 49 SQ FT
 DESIGN DISCHARGE = 497 CFS
 DESIGN HEADWATER ELEVATION = 394.25 FT
 100 YEAR DISCHARGE = 585 CFS
 100 YEAR HEADWATER ELEVATION = 395.16 FT
 NORMAL POOL ELEVATION = 390.22 FT

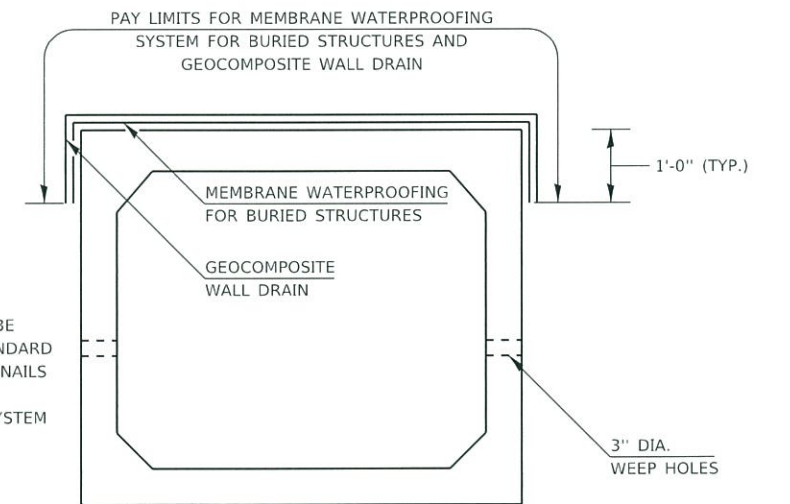


THE REMOVAL OF THE EXISTING BOX CULVERT IS TO BE INCLUDED IN THE COST OF CONCRETE REMOVAL.

THE MOUNTING PLATE FOR THE STRONG POST GUARDRAIL ATTACHED TO CULVERT SHALL BE 12" MINIMUM FROM THE JOINT BETWEEN THE PRECAST BOX CULVERT SECTIONS.

ELEVATION

(LOOKING NORTH)



NOTE:
 GEOCOMPOSITE WALL DRAIN SHALL BE ACCORDING TO SECTION 591 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT CONCRETE NAILS SHALL NOT BE USED IN AREAS WHERE IT OVERLAPS MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES.

PRECAST CONCRETE BOX CULVERT

PRECAST BOX CULVERT SCHEDULE (ASTM C 1577)						
STATION	SIZE	SKEW	DESIGN FILL (FT.)		PGE BACKFILL REQUIRED	
			EDGE OF PAVT. (MIN)	MAXIMUM		
535+20.93 TO 535+29.27	7' X 6'	0	± 3.1'	± 3.6'	198 CU YD	

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	DATE - _____	REVISED - _____

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

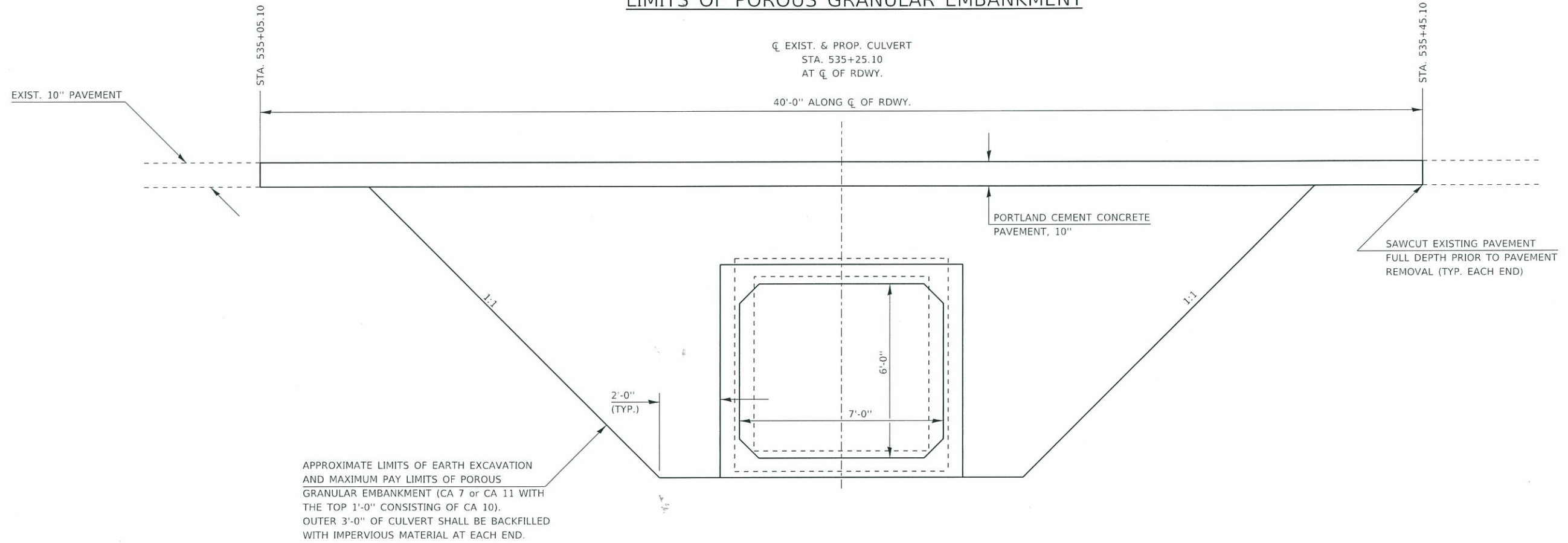
DETAIL AND FINAL SECTION
 SN 039-7121 (P)

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

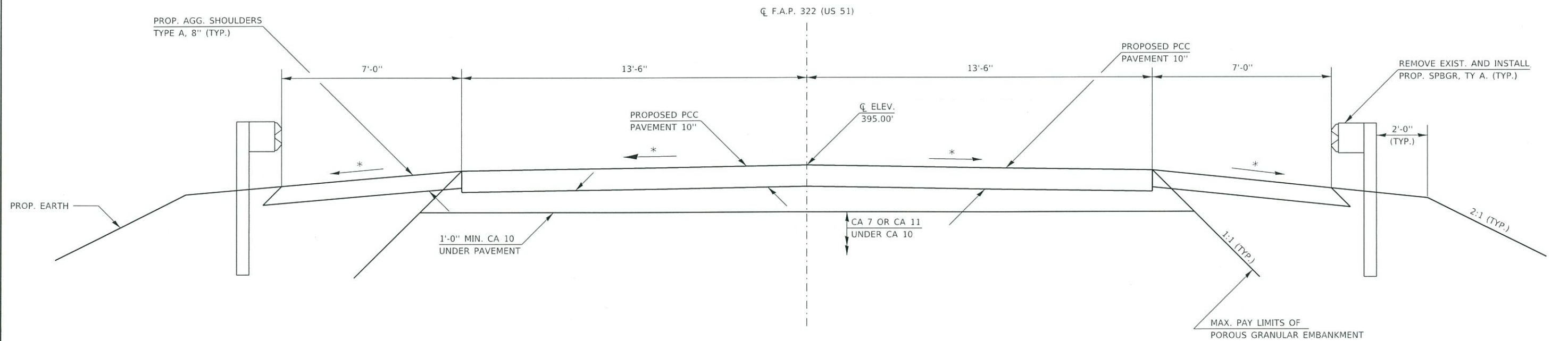
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	1028-5	JACKSON	14	9
CONTRACT NO. 78635				

ILLINOIS FED. AID PROJECT

LIMITS OF POROUS GRANULAR EMBANKMENT



SECTION WITHIN PAVEMENT REMOVAL



* MATCH EXISTING CROSS SLOPES

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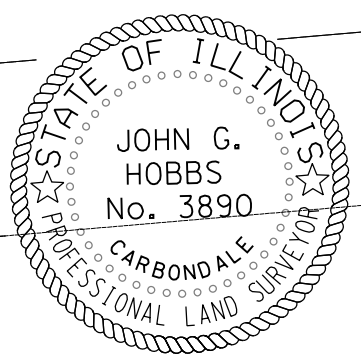
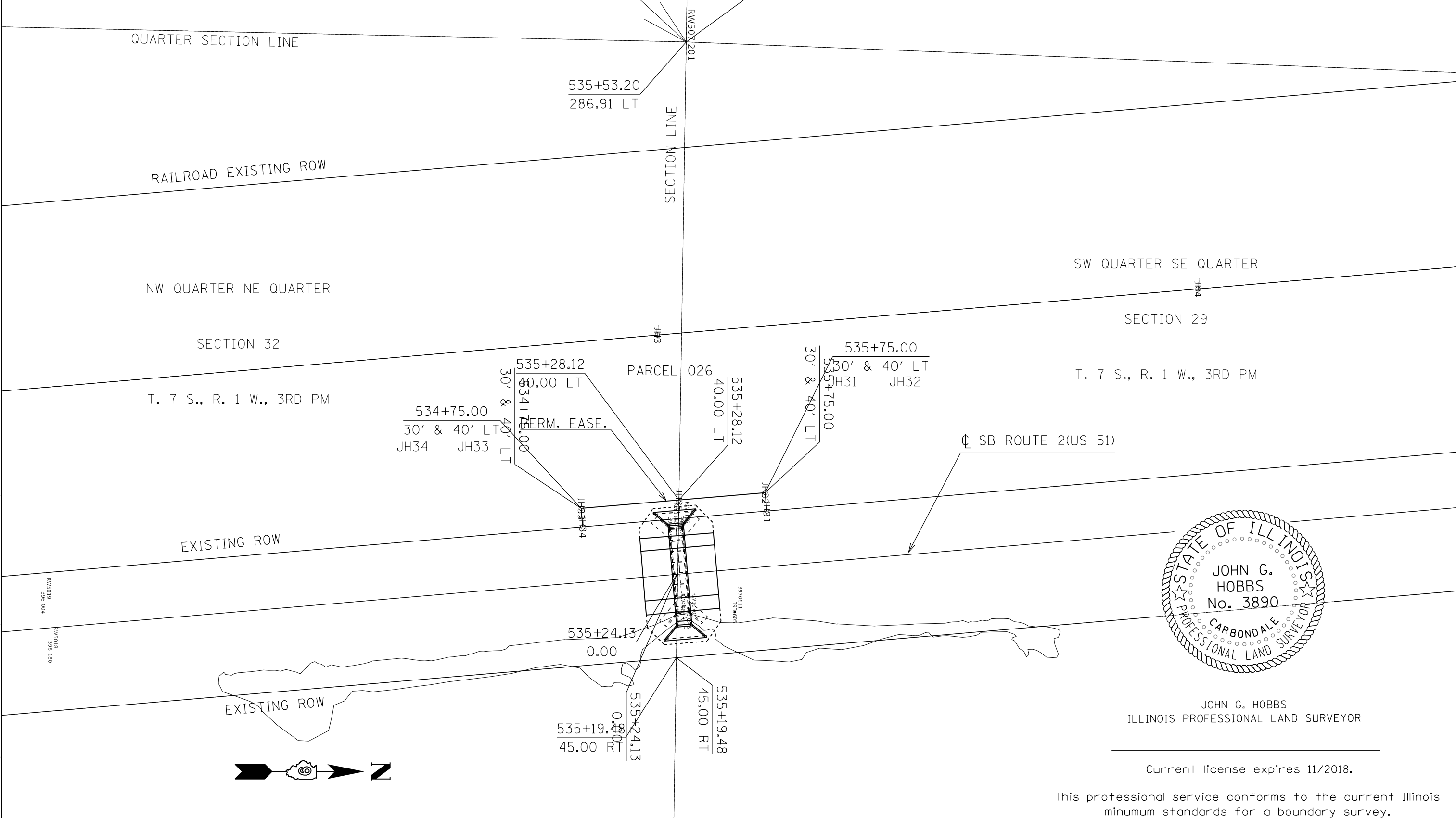
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIMITS OF POROUS GRANULAR EMBANKMENT AND
SECTION WITHIN PAVEMENT REMOVAL SN 039-7121 (P)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	102B-5	HAMILTON	14	10
CONTRACT NO. 78622				
ILLINOIS FED. AID PROJECT				

COORDINATE DATA			PARCEL #	OWNER NAME	PURPOSE	ACREAGE
PT ID	NORTHING	EASTING				
JH31	442059.75	724190.39	026	ILLINOIS CENTRAL RAILROAD	P.E.	0.02±
JH32	442058.90	724190.42				
JH33	441959.26	724188.94				
JH34	441960.12	724198.90				



JOHN G. HOBBS
ILLINOIS PROFESSIONAL LAND SURVEYOR

Current license expires 11/2018.

This professional service conforms to the current Illinois minimum standards for a boundary survey.

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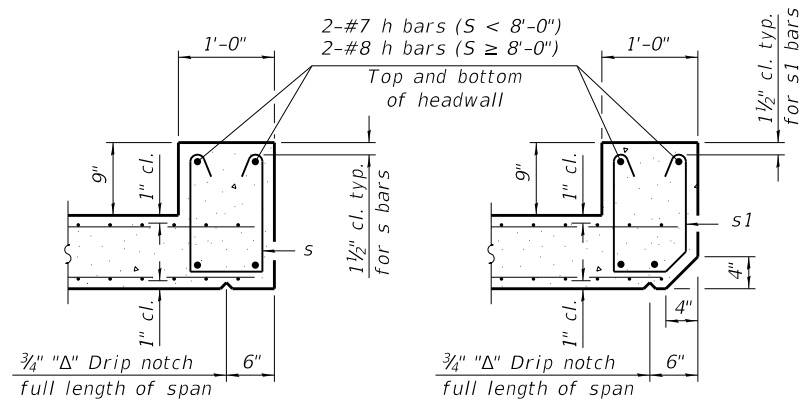
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PLOT DATE = 12/13/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RIGHT OF WAY PLAN
SN 039-7061/US 51**

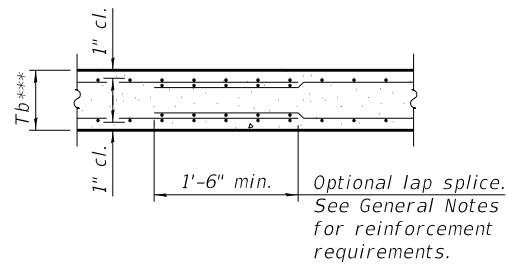
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78635				
R-99-014-18	ILLINOIS	FED. AID PROJECT		

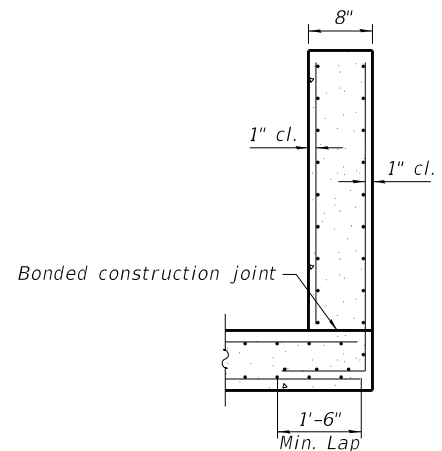


SECTION B-B
(Top slab at downstream end)

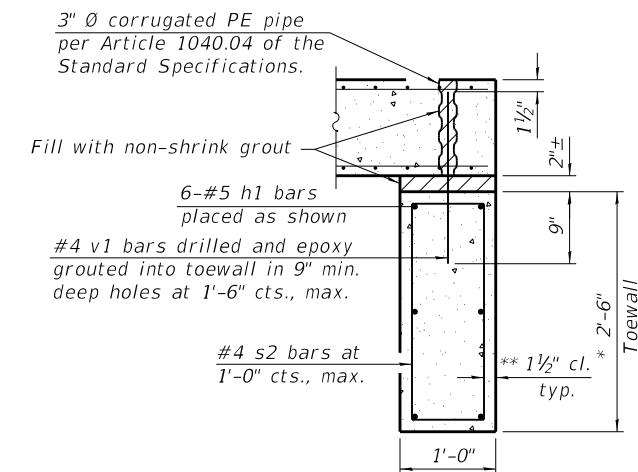
SECTION B-B
(Top slab at upstream end)



SECTION B-B
(Bottom Slab)

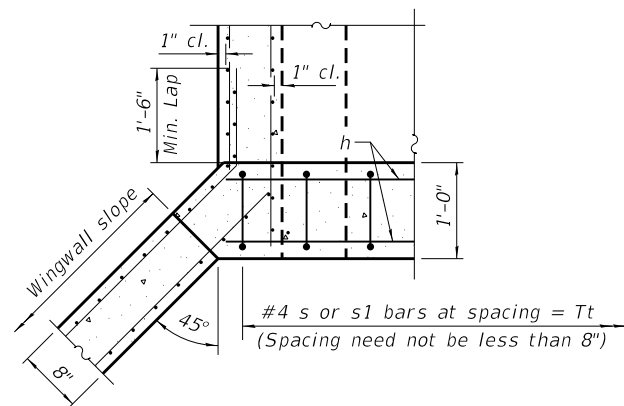


SECTION C-C

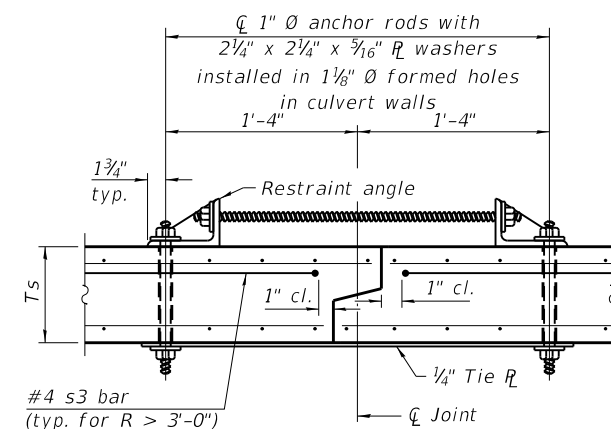


SECTION D-D

*** This dimension shall be increased by 2" for CIP construction.



SECTION E-E



SECTION F-F
(Showing culvert tie details)

TOEWALL CONSTRUCTION SEQUENCE

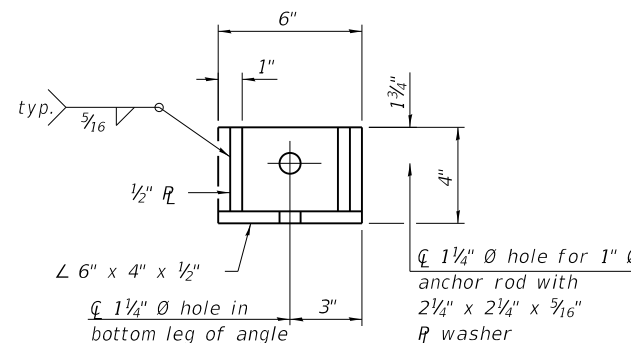
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

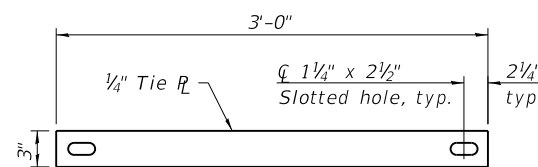
** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

Notes:

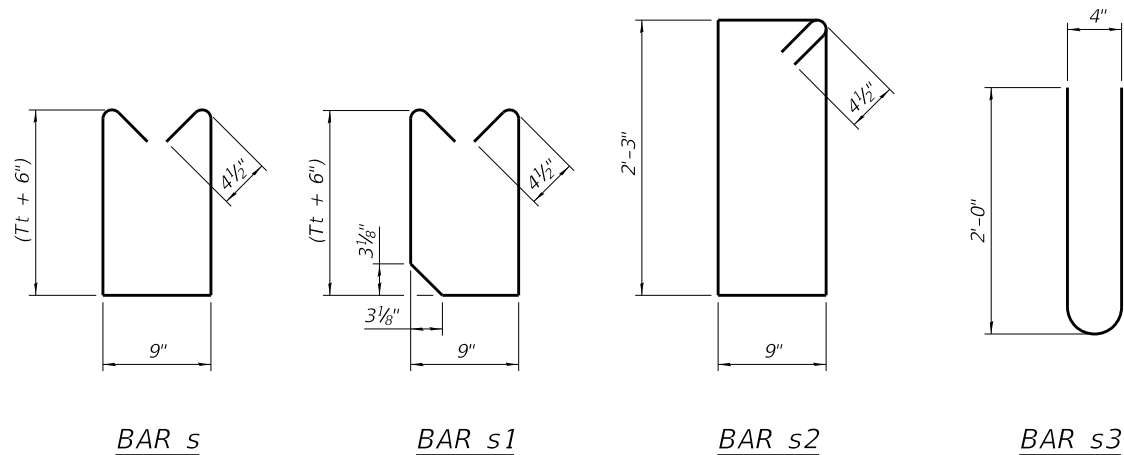
1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 3/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.



RESTRAINT ANGLE DETAIL



TIE PLATE DETAIL



BAR s

BAR s1

BAR s2

BAR s3

SCB-AES

2-17-2017

(Sheet 2 of 2)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT
APRON END SECTION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

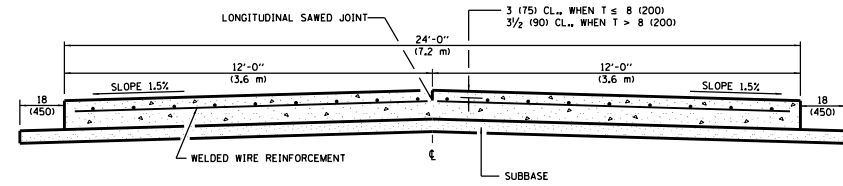
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	3CR-1	JACKSON	14	13
CONTRACT NO. 78635				

ILLINOIS FED. AID PROJECT

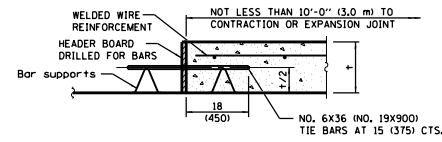
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USER NAME	DESIGNED	REVISION
= adamsam	-	-
	DRAWN	REVISION
	-	-
PLOT SCALE = 100.0000' / in.	CHECKED	REVISION
	-	-
PLOT DATE = 12/13/2018	DATE	REVISION
	-	-

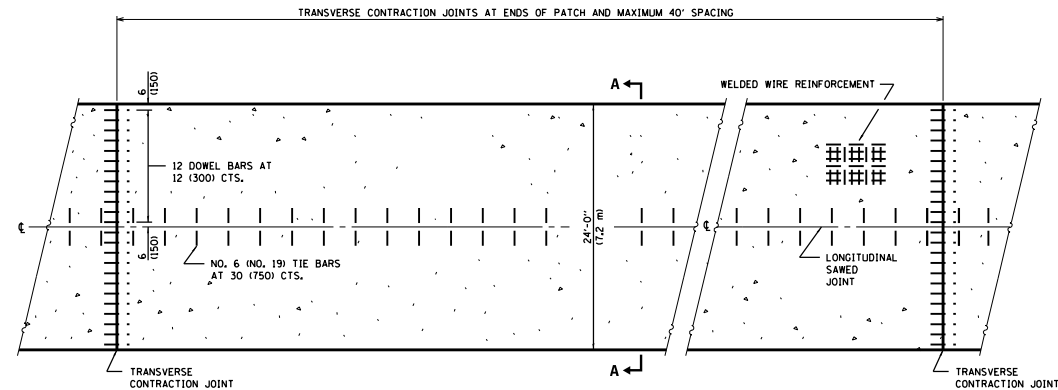
**24' (7.2 m) PCC PAVEMENT
OVER BOX CULVERT**



SECTION A-A
(TYPICAL 2-LANE WITH SHOULDERS)



TRANSVERSE CONSTRUCTION JOINT
(IF NEEDED PER STANDARD SPECIFICATIONS)



PLAN

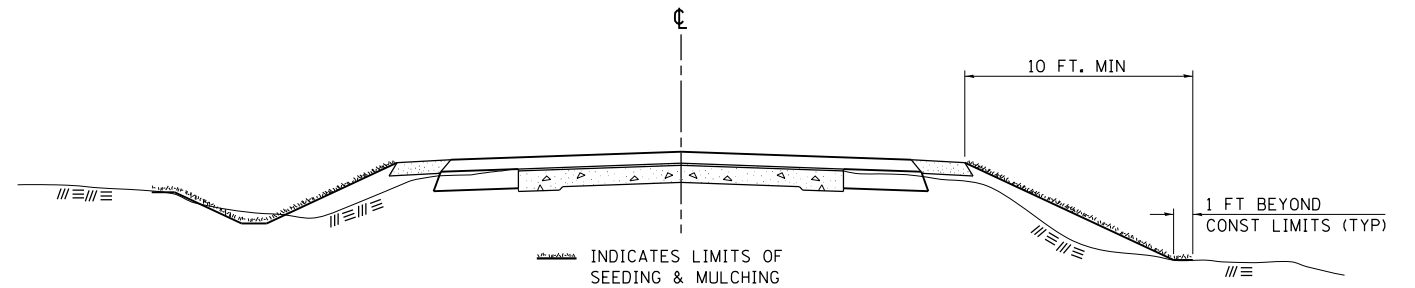
GENERAL NOTES
SEE STANDARD 420001 FOR DETAILS NOT SHOWN.
SEE STANDARD 420701 FOR WELDED WIRE REINFORCEMENT DETAILS.
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
ACTUAL DIMENSIONS TO MATCH FIELD CONDITIONS AND CONSTRUCTION METHODS.

REVISIONS

DRAWN	11-9-17
REVISED	7-23-18

STD. 9-25

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13

STD. 9-12

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USER NAME = adamsam	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/13/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	3CR-1	JACKSON	14	14
CONTRACT NO. 78635				
ILLINOIS FED. AID PROJECT				