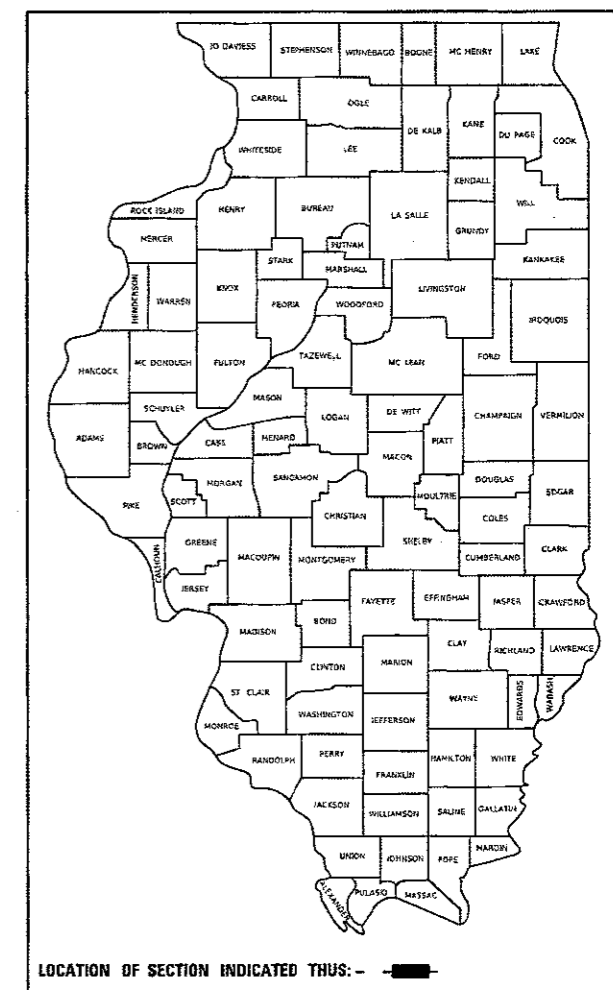


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	20	1
		ILLINOIS	CONTRACT NO. 78632	

• VARIOUS  
•• D9 GUARDRAIL END SECT FY18-1

D-99-020-18



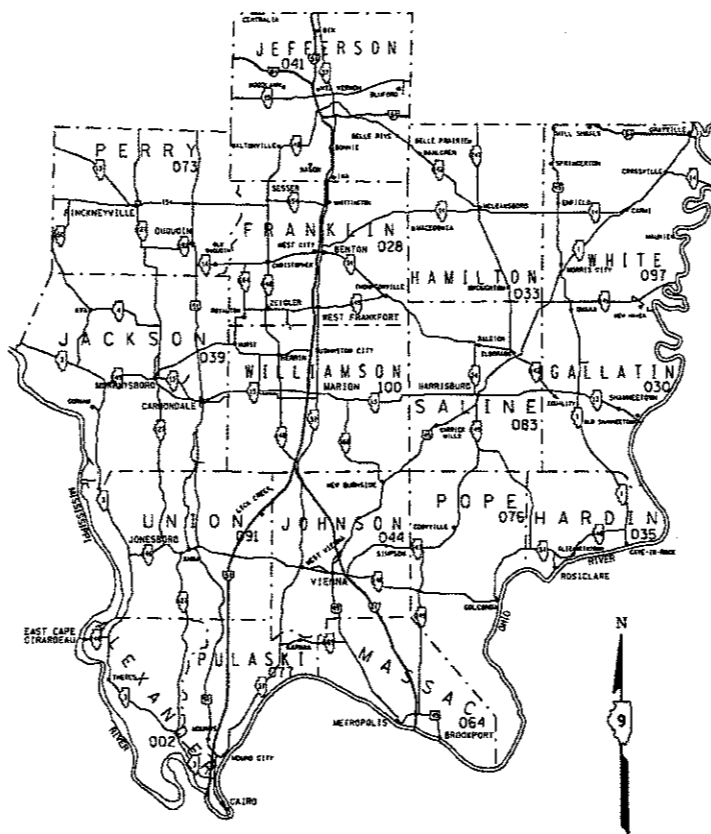
**PROPOSED  
HIGHWAY PLANS**

VARIOUS ROUTES  
SECTION D9 GUARDRAIL END SECT FY18-1  
PROJECT HSIP-39D6(751)  
GUARDRAIL REPLACEMENT  
VARIOUS COUNTIES

C-99-035-18

**VARIOUS LOCATIONS**

ROUTE	COUNTY
ILLINOIS 3	ALEXANDER COUNTY
ILLINOIS 4	JACKSON COUNTY
OLD ILLINOIS 13	SALINE AND WILLIAMSON COUNTY
ILLINOIS 14	HAMILTON COUNTY
ILLINOIS 34	SALINE COUNTY
ILLINOIS 37	JOHNSON COUNTY
ILLINOIS 127	PERRY AND UNION COUNTY
ILLINOIS 142	SALINE COUNTY
ILLINOIS 146	JOHNSON AND POPE COUNTY
U.S. 51	UNION COUNTY
OLD U.S. 51	PULASKI AND UNION COUNTY



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

PROJECT ENGINEER CHARLES STEIN  
PROJECT DESIGNER LISA PRITCHETT

CONTRACT NO. 78632

SEE SHEET NO. 15-18 FOR DETAILED LOCATIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION


SUBMITTED March 9 20 18  
Jaffrey Z Keum  
REGION FIVE ENGINEER

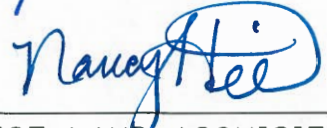
May 11 20 18  
E.A. ETS  
ENGINEER OF DESIGN AND ENVIRONMENT


May 11 20 18  
Paul P. [Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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Prepared By:   
DISTRICT STUDIES & PLANS ENGINEER


Examined By:   
DISTRICT LAND ACQUISITION ENGINEER

Examined By:   
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By:   
DISTRICT OPERATIONS ENGINEER

Examined By:   
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By:   
DISTRICT CONSTRUCTION ENGINEER

Examined By:   
DISTRICT MATERIALS ENGINEER

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PLOT DATE = 2/14/2018		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

SCALE: \_\_\_\_\_ SHEET \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

• VARIOUS •• D9 GUARDRAIL END SECT FY18-1				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	20	2
CONTRACT NO. 78632				
ILLINOIS FED. AID PROJECT				

# INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS, GENERAL NOTES
4 - 6	SUMMARY OF QUANTITIES
7 - 10	GUARDRAIL SCHEDULE
11 - 13	EARTHWORK SCHEDULE
14	PIPE SCHEDULE
15 - 18	LOCATION MAPS
19	STEP CONSTRUCTION ON EXISTING FILL DETAIL CONCRETE REMOVAL DETAIL
20	SHORT RADIUS GUARDRAIL DETAIL

# GENERAL NOTES

IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.

# STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
630001-12	STEEL PLATE BEAM GUARDRAIL
630006	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630111	WEAK POST GUARDRAIL ATTACHED TO CULVERT
630301-08	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631032-09	TRAFFIC BARRIER TERMINAL, TYPE 6A
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701206-04	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55MPH
701901-07	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

• VARIOUS  
 \*\* D9 GUARDRAIL END SECT FY18-1

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PLOT DATE = 3/5/2018	CHECKED -	REVISED -										CONTRACT NO. 78632	
	DATE -	REVISED -										ILLINOIS   FED. AID PROJECT	

# SUMMARY OF QUANTITIES

COUNTY: VARIOUS  
 ROUTE: VARIOUS  
 FUNDING: 90% HSIP, 10% STATE  
 LOCATION: RURAL  
 ROADWAY  
 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
20400800	FURNISHED EXCAVATION	CU YD	987
25000200	SEEDING, CLASS 2	ACRE	1.7
25000350	SEEDING, CLASS 7	ACRE	1.7
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	310
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	155
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	155
25000700	AGRICULTURAL GROUND LIMESTONE	TON	3
25100115	MULCH, METHOD 2	ACRE	3.4
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	172
28000400	PERIMETER EROSION BARRIER	FOOT	5,712
28000500	INLET AND PIPE PROTECTION	EACH	12
50102400	CONCRETE REMOVAL	CU YD	1.1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	60
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	60

14

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\* VARIOUS  
 \*\* D9 GUARDRAIL END SECT FY18-1

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PLOT DATE = 3/5/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	20	4
		CONTRACT NO. 78632		
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES - CON

COUNTY: VARIOUS  
 ROUTE: VARIOUS  
 FUNDING: 90% HSIP, 10% STATE  
 LOCATION: RURAL ROADWAY 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	732
542D0232	PIPE CULVERTS, CLASS D, TYPE 1 27"	FOOT	50
54262715	METAL FLARED END SECTIONS 15"	EACH	1
54262718	METAL FLARED END SECTIONS 18"	EACH	1
54262724	METAL FLARED END SECTIONS 24"	EACH	17
54262727	METAL FLARED END SECTIONS 27"	EACH	1
60600605	CONCRETE CURB, TYPE B	FOOT	188
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	10,550
63000019	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL	FOOT	163
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	50
63000050	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I	FOOT	812
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	150
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	12

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\* VARIOUS  
 \*\* D9 GUARDRAIL END SECT FY18-1

USER NAME = pritchettll PLOT SCALE = 100.0000' / in. PLOT DATE = 3/5/2018	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS                  DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	SCALE: SHEET OF SHEETS STA. TO STA.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>F.A. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>*</td> <td>**</td> <td>VARIOUS</td> <td>20</td> <td>5</td> </tr> </table> CONTRACT NO. 78632 ILLINOIS FED. AID PROJECT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	*	**	VARIOUS	20	5
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.												
*	**	VARIOUS	20	5												

# SUMMARY OF QUANTITIES - CON

COUNTY: VARIOUS  
 ROUTE: VARIOUS  
 FUNDING: 90% HSIP, 10% STATE  
 LOCATION: RURAL ROADWAY 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	117
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1
63200310	GUARDRAIL REMOVAL	FOOT	12,725
67100100	MOBILIZATION	L SUM	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	118
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	275

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PLOT DATE = 3/5/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

* VARIOUS		** D9 GUARDRAIL END SECT FY18-1		
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	20	6
			CONTRACT NO. 78632	
ILLINOIS   FED. AID PROJECT				

# GUARDRAIL SCHEDULE

LOCATION STA TO STA	STEEL PLATE BEAM GUARDRAIL TYPE A, 9 FOOT POSTS	STRONG POST GUARDRAIL ATTACHED TO CULVERT	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL	LONG SPAN GUARDRAIL OVER CULVERT, 12 FOOT 6 INCH SPAN	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 6A	CONCRETE CURB, TYPE B	CONCRETE REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) FLARED	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT		TERMINAL MARKER - DIRECT APPLIED	COMMENTS
	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	FOOT	EACH	FOOT	CU YD	EACH	31 7/8" EACH	27.5" EACH	31 7/8" EACH	EACH	
<b>ILLINOIS 3 (ALEXANDER COUNTY)</b>																
002-0026 NWQ	175.0					3	179.0				1					REMOVE EXISTING GUARDRAIL AND REPLACE WITH TYPE 2
002-0026 SEQ	125.0					3	137.5				1					REMOVE EXISTING GUARDRAIL AND REPLACE WITH TYPE 2
002-0026 NEQ	162.5					3	179.0							1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
002-0026 SWQ	112.5					2	137.5							1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
<b>SUB-TOTAL (ALEXANDER COUNTY)</b>	<b>575.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11</b>	<b>633.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	
<b>ILLINOIS 14 (HAMILTON COUNTY)</b>																
033-0004 NEQ	75.0	12.5				2	100.0			0.27				1	1	
033-0004 NWQ	75.0	12.5				2	100.0			0.28				1	1	
033-0004 SEQ		12.5		25.0		1	12.5			0.27				1	1	WRAP GUARDRAIL AROUND SIDEROAD, TYPE 1 TERMINAL
033-0004 SWQ		12.5				1	50.0			0.28				1	1	TYPE 1 TERMINAL ENDS BEFORE ENTRANCE
<b>SUB-TOTAL (HAMILTON COUNTY)</b>	<b>150.0</b>	<b>50.0</b>	<b>0.0</b>	<b>25.0</b>	<b>0.0</b>	<b>6</b>	<b>262.5</b>	<b>0</b>	<b>0.0</b>	<b>1.10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	
<b>ILLINOIS 4 (JACKSON COUNTY)</b>																
039-7031 NEQ	50.0					2	75.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7031 NWQ	75.0					2	75.0							1	1	GUARDRAIL WILL EXTEND 50 FT PAST END SECTION
039-7031 SEQ	75.0					2	75.0							1	1	GUARDRAIL WILL EXTEND 50 FT PAST END SECTION
039-7031 SWQ	50.0					2	75.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7029 NEQ	50.0					2	76.0							1	1	GUARDRAIL WILL EXTEND 24 FT PAST END SECTION
039-7029 NWQ	50.0					2	76.0							1	1	GUARDRAIL WILL EXTEND 24 FT PAST END SECTION
039-7029 SEQ	50.0					2	76.0							1	1	GUARDRAIL WILL EXTEND 24 FT PAST END SECTION
039-7029 SWQ	50.0					2	76.0							1	1	GUARDRAIL WILL EXTEND 24 FT PAST END SECTION
039-7093 NEQ	75.0					2	101.0							1	1	GUARDRAIL WILL EXTEND 24 FT PAST END SECTION
039-7093 NWQ	75.0					2	101.0							1	1	GUARDRAIL WILL EXTEND 24 FT PAST END SECTION
INTERSECTION OF IL 4/IL 151 NEQ	75.0					2	100.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
INTERSECTION OF IL 4/IL 151 NWQ	75.0					2	100.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7028 NEQ	25.0					1	50.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7028 NWQ	25.0					2	50.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7028 SEQ	62.5					2	87.5							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7028 SWQ	62.5					2	87.5							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7027 NEQ	150.0					3	175.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7027 NWQ	125.0					3	175.0							1	1	GUARDRAIL TERMINAL WILL BE AT CURRENT END SECTION
039-7027 SEQ	325.0					5	350.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7027 SWQ	325.0					5	350.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7082 NEQ	150.0					3	167.5							1	1	GUARDRAIL WILL EXTEND 32.5 FT PAST END SECTION
039-7082 NWQ	150.0					3	167.5							1	1	GUARDRAIL WILL EXTEND 32.5 FT PAST END SECTION
039-7082 SEQ	237.5					4	262.5							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7082 SWQ	237.5					4	262.5							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
9.2 MILES E. OF PERRY/JACKSON COUNTY SEQ	125.0					3	150.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
9.2 MILES E. OF PERRY/JACKSON COUNTY SWQ	100.0					2	150.0							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7026 NEQ	37.5					2	62.5							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7026 NWQ	37.5					2	62.5							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7026 SEQ	87.5					3	112.5							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
039-7026 SWQ	87.5					2	112.5							1	1	GUARDRAIL WILL EXTEND 25 FT PAST END SECTION
<b>SUB-TOTAL (JACKSON COUNTY)</b>	<b>3100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>75</b>	<b>3841.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	

• VARIOUS  
•• D9 GUARDRAIL END SECT FY18-1

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	**	VARIOUS	20	7
CONTRACT NO. 78632				
		ILLINOIS	FED. AID PROJECT	

# GUARDRAIL SCHEDULE

LOCATION STA TO STA	STEEL PLATE BEAM GUARDRAIL TYPE A, 9 FOOT POSTS	STRONG POST GUARDRAIL ATTACHED TO CULVERT	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL	LONG SPAN GUARDRAIL OVER CULVERT, 12 FOOT 6 INCH SPAN	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 6A	CONCRETE CURB, TYPE B	CONCRETE REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) FLARED	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT		TERMINAL MARKER - DIRECT APPLIED	COMMENTS	
	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	FOOT	EACH	FOOT	CU YD	EACH	31 7/8" EACH	27.5" EACH	31 7/8" EACH	EACH		
<b>ILLINOIS 37 (JOHNSON COUNTY)</b>																	
044-0031 NEQ	87.5					3	170.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
044-0031 NWQ	37.5					2	100.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
044-0031 SEQ	100.0					3	185.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
044-0031 SWQ	37.5					2	100.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
<b>ILLINOIS 146 (JOHNSON COUNTY)</b>																	
4.3 MILES E. OF JOHNSON/UNION COUNTY NEQ	37.5					2	100.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
4.3 MILES E. OF JOHNSON/UNION COUNTY NWQ	12.5					2	100.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
4.3 MILES E. OF JOHNSON/UNION COUNTY SEQ	12.5					2	100.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
4.3 MILES E. OF JOHNSON/UNION COUNTY SWQ	37.5					2	100.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
STA 578+94 TO STA 580+44 NEQ							162.0										REMOVE 162.0 FT SECTION OF GUARDRAIL (044-0056)
STA 579+94											1						TYPE 2 TERMINAL ALONG FRANKLIN LN.
STA 579+94 TO STA 591+94	1100.0		50.0			16									1	1	ADDITION OF NEW GUARDRAIL
<b>SUB-TOTAL (JOHNSON COUNTY)</b>	<b>1462.5</b>	<b>0.0</b>	<b>50.0</b>	<b>0.0</b>	<b>0.0</b>	<b>34</b>	<b>1117.0</b>	<b>8</b>	<b>125.0</b>	<b>0.0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>9</b>		
<b>ILLINOIS 127 (PERRY COUNTY)</b>																	
073-0021 NEQ						1	25.0						1			1	REMOVE 25 FT END SECTION, REPLACE WITH TYPE 1 TERMINAL
073-0021 NWQ						1	25.0						1			1	REMOVE 25 FT END SECTION, REPLACE WITH TYPE 1 TERMINAL
073-0021 SEQ						1	25.0						1			1	REMOVE 25 FT END SECTION, REPLACE WITH TYPE 1 TERMINAL
073-0021 SWQ						1	25.0						1			1	REMOVE 25 FT END SECTION, REPLACE WITH TYPE 1 TERMINAL
<b>SUB-TOTAL (PERRY COUNTY)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>		
<b>ILLINOIS 146 (POPE COUNTY)</b>																	
076-0028 NEQ	75.0					2	100.0								1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
076-0028 NWQ	75.0					2	100.0								1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
076-0028 SWQ	125.0					3	150.0								1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
076-0007 NEQ	25.0					3	115.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
076-0007 NWQ	25.0					3	55.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
076-0007 NWQ							37.5										REMOVE GUARDRAIL BEHIND GUARDRAIL ATTACHED TO STRUCTURE
076-0007 SEQ						3	81.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
076-0007 SWQ	62.5					3	100.0	1	16						1	1	REMOVE AND REPLACE EXISTING GUARDRAIL
5.5 MILES E. OF POPE/JOHNSON COUNTY SEQ	100.0					2	100.0								1	1	GUARDRAIL EXTENDS 50 FT PAST EXISTING
5.5 MILES E. OF POPE/JOHNSON COUNTY SWQ	50.0					2	100.0								1	1	REPLACE GUARDRAIL STARTING AT CURRENT TERMINAL
076-0022 NEQ	250.0					4	300.0								1	1	REPLACE GUARDRAIL STARTING AT CURRENT TERMINAL
076-0022 NWQ	300.0					5	300.0								1	1	EXTEND GUARDRAIL 50 FT PAST EXISTING
076-0022 SEQ	275.0					4	300.0								1	1	TERMINAL EXTENDS 25 FT PAST EXISTING
076-0022 SWQ	300.0					5	300.0								1	1	EXTEND GUARDRAIL 50 FT PAST EXISTING
076-7010 NEQ	75.0					2	125.0								1	1	REPLACE GUARDRAIL STARTING AT CURRENT TERMINAL
076-7010 NWQ	75.0					2	125.0								1	1	REPLACE GUARDRAIL STARTING AT CURRENT TERMINAL
076-7010 SEQ	100.0					2	150.0								1	1	REPLACE GUARDRAIL STARTING AT CURRENT TERMINAL
076-7010 SWQ	100.0					2	150.0								1	1	REPLACE GUARDRAIL STARTING AT CURRENT TERMINAL
10.1 MILES E. OF POPE/JOHNSON COUNTY SEQ	37.5					2	62.5								1	1	TERMINAL EXTENDS 25 FT PAST EXISTING
10.1 MILES E. OF POPE/JOHNSON COUNTY SWQ	37.5					2	62.5								1	1	TERMINAL EXTENDS 25 FT PAST EXISTING
11.7 MILES E. OF POPE/JOHNSON COUNTY SEQ	287.5			37.5		5	325.0				1						GUARDRAIL WRAPS AROUND SIDEROAD
11.7 MILES E. OF POPE/JOHNSON COUNTY SWQ	300.0					5	325.0								1	1	TERMINAL EXTENDS 25 FT PAST EXISTING
<b>SUB-TOTAL (POPE COUNTY)</b>	<b>2675.0</b>	<b>0.0</b>	<b>0.0</b>	<b>37.5</b>	<b>0.0</b>	<b>63</b>	<b>3463.5</b>	<b>4</b>	<b>62.5</b>	<b>0.0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>20</b>		

• VARIOUS  
•• D9 GUARDRAIL END SECT FY18-1

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GUARDRAIL SCHEDULE</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	VARIOUS	20	8
CONTRACT NO. 78632				
ILLINOIS FED. AID PROJECT				



# GUARDRAIL SCHEDULE

LOCATION STA TO STA	STEEL PLATE BEAM GUARDRAIL TYPE A, 9 FOOT POSTS	STRONG POST GUARDRAIL ATTACHED TO CULVERT	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL	LONG SPAN GUARDRAIL OVER CULVERT, 12 FOOT 6 INCH SPAN	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 6A	CONCRETE CURB, TYPE B	COCONCRETE REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) FLARED	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT		TERMINAL MARKER - DIRECT APPLIED	COMMENTS	
	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	FOOT	EACH	FOOT	CU YD	EACH	31 7/8"	27.5"	31 7/8"	EACH		
<b>OLD US 51 ( PULASKI COUNTY)</b>																	
077-7051 NWQ	50.0		31.25			2	93.0					1				1	GUARDRAIL RUNS PARALLEL TO OLD US 51, 100 FT PAST HEADWALL
077-7051 SWQ	50.0		31.25			2									1	1	GUARDRAIL WILL EXTEND 100 FT PAST HEADWALL
<b>SUB-TOTAL (PULASKI COUNTY)</b>	<b>100.0</b>	<b>0.0</b>	<b>62.5</b>	<b>0.0</b>	<b>0.0</b>	<b>4</b>	<b>93.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>		
<b>ILLINOIS 34 (SALINE COUNTY)</b>																	
8.7 MILES E. OF FRANKLIN/SALINE NEQ	50.0		25.0			2	50.0								1	1	GUARDRAIL EXTENDS 75 FT PAST CURRENT END
8.7 MILES E. OF FRANKLIN/SALINE NWQ	50.0		25.0			2	50.0								1	1	GUARDRAIL EXTENDS 75 FT PAST CURRENT END
8.7 MILES E. OF FRANKLIN/SALINE SEQ	50.0		25.0			2	50.0								1	1	GUARDRAIL EXTENDS 75 FT PAST CURRENT END
8.7 MILES E. OF FRANKLIN/SALINE SWQ	50.0		25.0			2	50.0								1	1	GUARDRAIL EXTENDS 75 FT PAST CURRENT END
10.0 MILES E. OF FRANKLIN/SALINE NEQ	75.0		25.0			2	125.0								1	1	REMOVE TYPE 1, GUARDRAIL STOPS AT CURRENT TERMINAL
10.0 MILES E. OF FRANKLIN/SALINE NWQ	50.0		25.0			2	125.0								1	1	GUARDRAIL EXTENDS 25 FT PAST CURRENT END
10.0 MILES E. OF FRANKLIN/SALINE SEQ	125.0		25.0			3	188.0								1	1	GUARDRAIL EXTENDS 25 FT PAST CURRENT END
10.0 MILES E. OF FRANKLIN/SALINE SWQ	150.0		25.0			3	188.0								1	1	GUARDRAIL EXTENDS 25 FT PAST CURRENT END
083-7021 NEQ	50.0		31.25			2	75.0								1	1	GUARDRAIL WILL EXTEND 100 FT FROM EITHER SIDE OF HEADWALL
083-7021 NWQ	50.0		31.25			2	75.0								1	1	GUARDRAIL WILL EXTEND 100 FT FROM EITHER SIDE OF HEADWALL
083-7021 SEQ	50.0		31.25			2	75.0								1	1	GUARDRAIL WILL EXTEND 100 FT FROM EITHER SIDE OF HEADWALL
083-7021 SWQ	50.0		31.25			2	75.0								1	1	GUARDRAIL WILL EXTEND 100 FT FROM EITHER SIDE OF HEADWALL
<b>ILLINOIS 142 (SALINE COUNTY)</b>																	
083-7058 NWQ							25.0						1			1	GUARDRAIL WILL EXTEND 25 FT PAST CURRENT END
083-7058 SWQ				37.5			25.0						1			1	GUARDRAIL WILL EXTEND 62.5 FT PAST END, ALONG SIDE ROAD
<b>OLD IL 13 (SALINE COUNTY)</b>																	
083-7081 NEQ	12.5		18.75			1	37.5								1	1	GUARDRAIL WILL EXTEND 40 FT PAST EXISTING GUARDRAIL
083-7081 NWQ	50.0		18.75			2	37.5								1	1	GUARDRAIL WILL EXTEND 85 FT PAST EXISTING GUARDRAIL
2.5 MILES E. OF WILLIAMSON/SALINE COUNTY NEQ	50.0		25.0			2	44.5								1	1	GUARDRAIL WILL EXTEND 80.5 FT PAST EXISTING GUARDRAIL
2.5 MILES E. OF WILLIAMSON/SALINE COUNTY NWQ	50.0		25.0			2	44.5								1	1	GUARDRAIL WILL EXTEND 80.5 FT PAST EXISTING GUARDRAIL
2.5 MILES E. OF WILLIAMSON/SALINE COUNTY SEQ	50.0		25.0			2	44.5								1	1	GUARDRAIL WILL EXTEND 80.5 FT PAST EXISTING GUARDRAIL
2.5 MILES E. OF WILLIAMSON/SALINE COUNTY SWQ	50.0		25.0			2	44.5								1	1	GUARDRAIL WILL EXTEND 80.5 FT PAST EXISTING GUARDRAIL
2.8 MILES E. OF WILLIAMSON/SALINE COUNTY NEQ	50.0		18.75			2	44.5								1	1	GUARDRAIL WILL EXTEND 74.5 FT PAST EXISTING GUARDRAIL
2.8 MILES E. OF WILLIAMSON/SALINE COUNTY NWQ	50.0		18.75			2	44.5								1	1	GUARDRAIL WILL EXTEND 74.5 FT PAST EXISTING GUARDRAIL
2.8 MILES E. OF WILLIAMSON/SALINE COUNTY SEQ	50.0		18.75			2	44.5								1	1	GUARDRAIL WILL EXTEND 74.5 FT PAST EXISTING GUARDRAIL
2.8 MILES E. OF WILLIAMSON/SALINE COUNTY SWQ	50.0		18.75			2	44.5								1	1	GUARDRAIL WILL EXTEND 74.5 FT PAST EXISTING GUARDRAIL
4.5 MILES E. OF WILLIAMSON/SALINE COUNTY NEQ	12.5				18.75	1	32.0								1	1	GUARDRAIL WILL EXTEND 50 FT PAST EXISTING GUARDRAIL
4.5 MILES E. OF WILLIAMSON/SALINE COUNTY NWQ	12.5				18.75	1	32.0								1	1	GUARDRAIL WILL EXTEND 50 FT PAST EXISTING GUARDRAIL
4.5 MILES E. OF WILLIAMSON/SALINE COUNTY SEQ	12.5				18.75	1	32.0								1	1	GUARDRAIL WILL EXTEND 50 FT PAST EXISTING GUARDRAIL
4.5 MILES E. OF WILLIAMSON/SALINE COUNTY SWQ	12.5				18.75	1	32.0								1	1	GUARDRAIL WILL EXTEND 50 FT PAST EXISTING GUARDRAIL
6.6 MILES E. OF WILLIAMSON/SALINE COUNTY NEQ	50.0		18.75			2	38.0								1	1	GUARDRAIL WILL EXTEND 77.5 FT PAST EXISTING GUARDRAIL
6.6 MILES E. OF WILLIAMSON/SALINE COUNTY NWQ	50.0		18.75			2	38.0								1	1	GUARDRAIL WILL EXTEND 84 FT PAST EXISTING GUARDRAIL
6.6 MILES E. OF WILLIAMSON/SALINE COUNTY SEQ	50.0		18.75			2	38.0								1	1	GUARDRAIL WILL EXTEND 77.5 FT PAST EXISTING GUARDRAIL
6.6 MILES E. OF WILLIAMSON/SALINE COUNTY SWQ	50.0		18.75			2	38.0								1	1	GUARDRAIL WILL EXTEND 84 FT PAST EXISTING GUARDRAIL
6.9 MILES E. OF WILLIAMSON/SALINE COUNTY NEQ	12.5				18.75	1	32.0								1	1	GUARDRAIL WILL EXTEND 49.5 FT PAST EXISTING GUARDRAIL
6.9 MILES E. OF WILLIAMSON/SALINE COUNTY NWQ	12.5				18.75	1	32.0								1	1	GUARDRAIL WILL EXTEND 49.5 FT PAST EXISTING GUARDRAIL
6.9 MILES E. OF WILLIAMSON/SALINE COUNTY SEQ	12.5				18.75	1	32.0								1	1	GUARDRAIL WILL EXTEND 49.5 FT PAST EXISTING GUARDRAIL
6.9 MILES E. OF WILLIAMSON/SALINE COUNTY SWQ	12.5				18.75	1	32.0								1	1	GUARDRAIL WILL EXTEND 49.5 FT PAST EXISTING GUARDRAIL
<b>SUB-TOTAL (SALINE COUNTY)</b>	<b>1562.5</b>	<b>0.0</b>	<b>612.5</b>	<b>37.5</b>	<b>150.0</b>	<b>61</b>	<b>2015.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>34</b>	<b>36</b>		

• VARIOUS  
•• D9 GUARDRAIL END SECT FY18-1

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	DRAWN -	REVISED -
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PLOT DATE = 3/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	**	VARIOUS	20	9
CONTRACT NO. 78632				
		ILLINOIS	FED. AID PROJECT	

# GUARDRAIL SCHEDULE

LOCATION STA TO STA	STEEL PLATE BEAM GUARDRAIL TYPE A, 9 FOOT POSTS	STRONG POST GUARDRAIL ATTACHED TO CULVERT	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL	LONG SPAN GUARDRAIL OVER CULVERT, 12 FOOT 6 INCH SPAN	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 6A	CONCRETE CURB, TYPE B	CONCRETE REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) FLARED	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT		TERMINAL MARKER - DIRECT APPLIED	COMMENTS	
	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	FOOT	EACH	FOOT	CU YD	EACH	31 7/8"	27.5"	31 7/8"	EACH		
<b>ILLINOIS 127 (UNION COUNTY)</b>																	
091-0047 NEQ	68.75					2	94.0								1	1	GUARDRAIL EXTENDS 25 FT PAST EXISTING
091-0047 NWQ	68.75					2	93.0								1	1	GUARDRAIL EXTENDS 26 FT PAST EXISTING
091-0047 SEQ	68.75					2	94.0								1	1	GUARDRAIL EXTENDS 25 FT PAST EXISTING
091-0047 SWQ	68.75					2	93.0								1	1	GUARDRAIL EXTENDS 26 FT PAST EXISTING
<b>OLD US 51 NORTH (UNION COUNTY)</b>																	
091-7057 NWQ	50.0		25.0				100.0								1	1	
091-7057 SWQ	25.0		25.0				100.0								1	1	
<b>US 51 (UNION COUNTY)</b>																	
11.9 MILES S. UNION/JACKSON COUNTY NEQ				62.5		2	25.0						1			1	REMOVE TYPE 2, ADD GUARDRAIL AND EXTEND ALONG US 51
13.6 MILES S. UNION/JACKSON COUNTY NWQ	500.0					7	500.0								1	1	REMOVE WRAP AROUND GUARDRAIL AND REPLACE WITH TYPE 1
<b>SUB-TOTAL (UNION COUNTY)</b>	<b>850.0</b>	<b>0.0</b>	<b>50.0</b>	<b>62.5</b>	<b>0.0</b>	<b>17</b>	<b>1099.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>8</b>		
<b>OLD IL 13 (WILLIAMSON COUNTY)</b>																	
100-7066 NEQ	25.0		18.75				38.0								1	1	GUARDRAIL WILL EXTEND 55.75 FT PAST EXISTING GUARDRAIL
100-7066 NWQ	50.0		18.75				38.0								1	1	GUARDRAIL WILL EXTEND 80.75 FT PAST EXISTING GUARDRAIL
100-7066 SEQ							25.0						1		1	1	GUARDRAIL WILL EXTEND 25 FT PAST EXISTING GUARDRAIL
<b>SUB-TOTAL (WILLIAMSON COUNTY)</b>	<b>75.0</b>	<b>0.0</b>	<b>37.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>101.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>		
<b>SUB-TOTAL (ALEXANDER COUNTY)</b>	<b>575.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11</b>	<b>633.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>		
<b>SUB-TOTAL (HAMILTON COUNTY)</b>	<b>150.0</b>	<b>50.0</b>	<b>0.0</b>	<b>25.0</b>	<b>0.0</b>	<b>6</b>	<b>262.5</b>	<b>0</b>	<b>0.0</b>	<b>1.1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>		
<b>SUB-TOTAL (JACKSON COUNTY)</b>	<b>3100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>75</b>	<b>3841.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>		
<b>SUB-TOTAL (JOHNSON COUNTY)</b>	<b>1462.5</b>	<b>0.0</b>	<b>50.0</b>	<b>0.0</b>	<b>0.0</b>	<b>34</b>	<b>1117.0</b>	<b>8</b>	<b>125.0</b>	<b>0.0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>9</b>		
<b>SUB-TOTAL (PERRY COUNTY)</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>		
<b>SUB-TOTAL (POPE COUNTY)</b>	<b>2675.0</b>	<b>0.0</b>	<b>0.0</b>	<b>37.5</b>	<b>0.0</b>	<b>63</b>	<b>3463.5</b>	<b>4</b>	<b>62.5</b>	<b>0.0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>20</b>		
<b>SUB-TOTAL (PULASKI COUNTY)</b>	<b>100.0</b>	<b>0.0</b>	<b>62.5</b>	<b>0.0</b>	<b>0.0</b>	<b>4</b>	<b>93.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>		
<b>SUB-TOTAL (SALINE COUNTY)</b>	<b>1562.5</b>	<b>0.0</b>	<b>612.5</b>	<b>37.5</b>	<b>150.0</b>	<b>61</b>	<b>2015.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>34</b>	<b>36</b>		
<b>SUB-TOTAL (UNION COUNTY)</b>	<b>850.0</b>	<b>0.0</b>	<b>50.0</b>	<b>62.5</b>	<b>0.0</b>	<b>17</b>	<b>1099.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>8</b>		
<b>SUB-TOTAL (WILLIAMSON COUNTY)</b>	<b>75.0</b>	<b>0.0</b>	<b>37.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>101.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>		
<b>TOTAL</b>	<b>10550.0</b>	<b>50.0</b>	<b>812.5</b>	<b>162.5</b>	<b>150.0</b>	<b>275</b>	<b>12725.0</b>	<b>12</b>	<b>187.5</b>	<b>1.1</b>	<b>4</b>	<b>1</b>	<b>8</b>	<b>109</b>	<b>118</b>		

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• VARIOUS  
•• D9 GUARDRAIL END SECT FY18-1

USER NAME = PRITCHETLL PLOT SCALE = 100.0000' / in. PLOT DATE = 4/11/2018	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GUARDRAIL SCHEDULE</b>	F.A. RTE. * SECTION ** COUNTY VARIOUS TOTAL SHEETS 20 SHEET NO. 10 CONTRACT NO. 78632 ILLINOIS FED. AID PROJECT
SCALE: SHEET OF SHEETS STA. TO STA.					



## EARTHWORK SCHEDULE

LOCATION STA TO STA		EARTH EXCAVATION  CU YD	FOR INFORMATION ONLY				FURNISHED EXCAVATION  CU YD	COMMENTS
			AVERAGE SHRINKAGE FACTOR  %	EARTH EXCAVATION (ADJUSTED)  CU YD	EMBANKMENT  CU YD	EARTHWORK BALANCE  WASTE (+) SHORTAGE (-)  CU YD		
<b>ILLINOIS 34 (SALINE COUNTY)</b>								
8.7 MILES E. FRANKLIN/SALINE COUNTY	NEQ	0.0	75.0	0.0	3.4	-3.4	3.4	3.5:1 FORESLOPE
8.7 MILES E. FRANKLIN/SALINE COUNTY	NWQ	0.0	75.0	0.0	7.7	-7.7	7.7	2.5:1 FORESLOPE
8.7 MILES E. FRANKLIN/SALINE COUNTY	SWQ	0.0	75.0	0.0	5.8	-5.8	5.8	4:1 FORESLOPE
10 MILES E. OF FRANKLIN/SALINE	NWQ	0.0	75.0	0.0	4.0	-4.0	4.0	2.5:1 FORESLOPE
10 MILES E. OF FRANKLIN/SALINE	SEQ	0.0	75.0	0.0	5.3	-5.3	5.3	
10 MILES E. OF FRANKLIN/SALINE	SWQ	0.0	75.0	0.0	3.3	-3.3	3.3	
083-7021	NEQ	0.0	75.0	0.0	36.4	-36.4	36.4	2.5:1 FORESLOPE
083-7021	NWQ	0.0	75.0	0.0	3.4	-3.4	3.4	
083-7021	SEQ	0.0	75.0	0.0	6.2	-6.2	6.2	
083-7021	SWQ	0.0	75.0	0.0	13.6	-13.6	13.6	
<b>OLD ILLINOIS 13 (SALINE COUNTY)</b>								
083-7081	NEQ	0.0	75.0	0.0	0.5	-0.5	0.5	4:1 FORESLOPE
083-7081	NWQ	0.0	75.0	0.0	32.0	-32.0	32.0	
2.5 MILES E. WILLIAMSON/SALINE	NEQ	0.0	75.0	0.0	16.4	-16.4	16.4	2.5:1 FORESLOPE
2.5 MILES E. WILLIAMSON/SALINE	NWQ	0.0	75.0	0.0	3.2	-3.2	3.2	4:1 FORESLOPE
2.5 MILES E. WILLIAMSON/SALINE	SEQ	0.0	75.0	0.0	5.0	-5.0	5.0	2.5:1 FORESLOPE
2.5 MILES E. WILLIAMSON/SALINE	SWQ	0.0	75.0	0.0	47.2	-47.2	47.2	2.5:1 FORESLOPE
2.8 MILES E. WILLIAMSON/SALINE	NEQ	0.0	75.0	0.0	8.1	-8.1	8.1	4:1 FORESLOPE
2.8 MILES E. WILLIAMSON/SALINE	NWQ	0.0	75.0	0.0	8.4	-8.4	8.4	2.5:1 FORESLOPE
2.8 MILES E. WILLIAMSON/SALINE	SEQ	0.0	75.0	0.0	14.5	-14.5	14.5	4:1 FORESLOPE
2.8 MILES E. WILLIAMSON/SALINE	SWQ	0.0	75.0	0.0	6.2	-6.2	6.2	4:1 FORESLOPE
4.5 MILES E. WILLIAMSON/SALINE	NEQ	0.0	75.0	0.0	6.8	-6.8	6.8	4:1 FORESLOPE
4.5 MILES E. WILLIAMSON/SALINE	SEQ	0.0	75.0	0.0	4.2	-4.2	4.2	4:1 FORESLOPE
6.6 MILES E. WILLIAMSON/SALINE	NEQ	0.0	75.0	0.0	21.0	-21.0	21.0	2.5:1 FORESLOPE
6.6 MILES E. WILLIAMSON/SALINE	NWQ	0.0	75.0	0.0	51.8	-51.8	51.8	
6.6 MILES E. WILLIAMSON/SALINE	SEQ	0.0	75.0	0.0	16.4	-16.4	16.4	
6.9 MILES E. WILLIAMSON/SALINE	NEQ	0.0	75.0	0.0	30.3	-30.3	30.3	2.5:1 FORESLOPE
6.9 MILES E. WILLIAMSON/SALINE	NWQ	0.0	75.0	0.0	26.2	-26.2	26.2	
6.9 MILES E. WILLIAMSON/SALINE	SEQ	0.0	75.0	0.0	26.3	-26.3	26.3	
6.9 MILES E. WILLIAMSON/SALINE	SWQ	0.0	75.0	0.0	35.1	-35.1	35.1	
<b>SUB-TOTAL (SALINE COUNTY)</b>		<b>0.0</b>					<b>448.7</b>	

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- VARIOUS
- D9 GUARDRAIL END SECT FY18-1

USER NAME = pritchettll	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EARTHWORK SCHEDULE</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	VARIOUS	20	12
PLOT DATE = 3/5/2018	DATE -	REVISED -								CONTRACT NO. 78632			
								ILLINOIS		FED. AID PROJECT			

## EARTHWORK SCHEDULE

LOCATION STA TO STA	EARTH EXCAVATION	FOR INFORMATION ONLY				FURNISHED EXCAVATION	COMMENTS
		AVERAGE SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE		
		CU YD	%	CU YD	CU YD		
<b>ILLINOIS 127 (UNION COUNTY)</b>							
091-0047	NEQ	0.0	75.0	0.0	12.1	-12.1	4:1 FORESLOPE
091-0047	SEQ	0.0	75.0	0.0	20.1	-20.1	
091-0047	SWQ	0.0	75.0	0.0	2.5	-2.5	
<b>OLD US 51 NORTH (UNION COUNTY)</b>							
091-7057	NWQ	0.0	75.0	0.0	12.1	-12.1	2.5:1 FORESLOPE
091-7057	SWQ	0.0	75.0	0.0	40.7	-40.7	
<b>SUB-TOTAL (UNION COUNTY)</b>		<b>0.0</b>					<b>87.6</b>
<b>OLD ILLINOIS 13 (WILLIAMSON COUNTY)</b>							
100-7066	NEQ	0.0	75.0	0.0	13.6	-13.6	4:1 FORESLOPE 2.5:1 FORESLOPE
100-7066	SEQ	0.0	75.0	0.0	3.6	-3.6	
<b>SUB-TOTAL (WILLIAMSON COUNTY)</b>		<b>0.0</b>					<b>17.2</b>
<b>SUB-TOTAL (HAMILTON COUNTY)</b>		<b>0.0</b>					<b>113.3</b>
<b>SUB-TOTAL (JACKSON COUNTY)</b>		<b>0.0</b>					<b>267.9</b>
<b>SUB-TOTAL (POPE COUNTY)</b>		<b>0.0</b>					<b>52.5</b>
<b>SUB-TOTAL (SALINE COUNTY)</b>		<b>0.0</b>					<b>448.7</b>
<b>SUB-TOTAL (UNION COUNTY)</b>		<b>0.0</b>					<b>87.6</b>
<b>SUB-TOTAL (WILLIAMSON COUNTY)</b>		<b>0.0</b>					<b>17.2</b>
<b>TOTAL</b>		<b>0.0</b>					<b>987.1</b>

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- VARIOUS
- D9 GUARDRAIL END SECT FY18-1

USER NAME = pritchettll PLOT SCALE = 100,0000 ' / in. PLOT DATE = 3/5/2018	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EARTHWORK SCHEDULE</b>	F.A. RTE. SECTION COUNTY VARIOUS	TOTAL SHEETS 20	SHEET NO. 13
			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

CONTRACT NO. 78632

## PIPE SCHEDULE

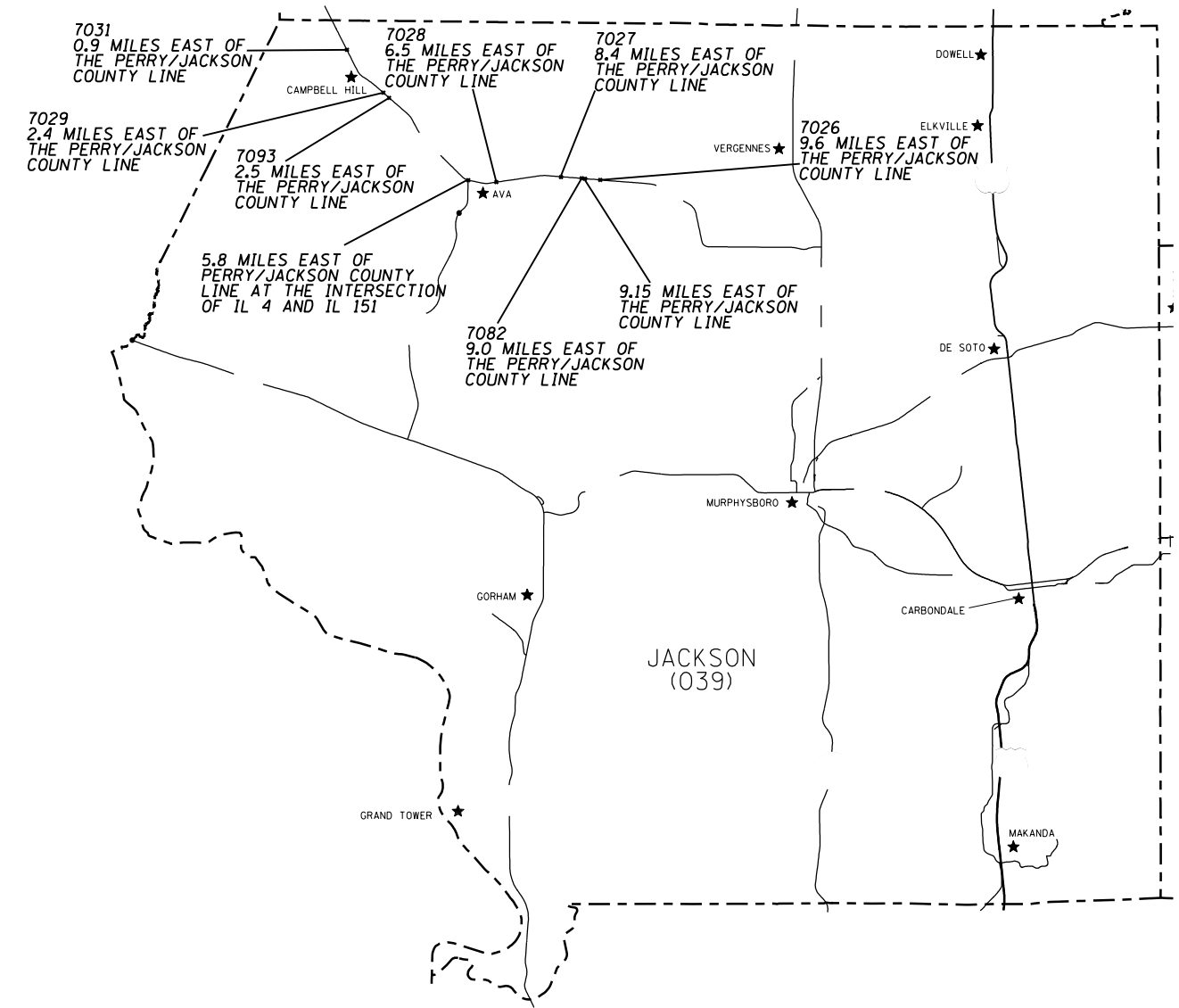
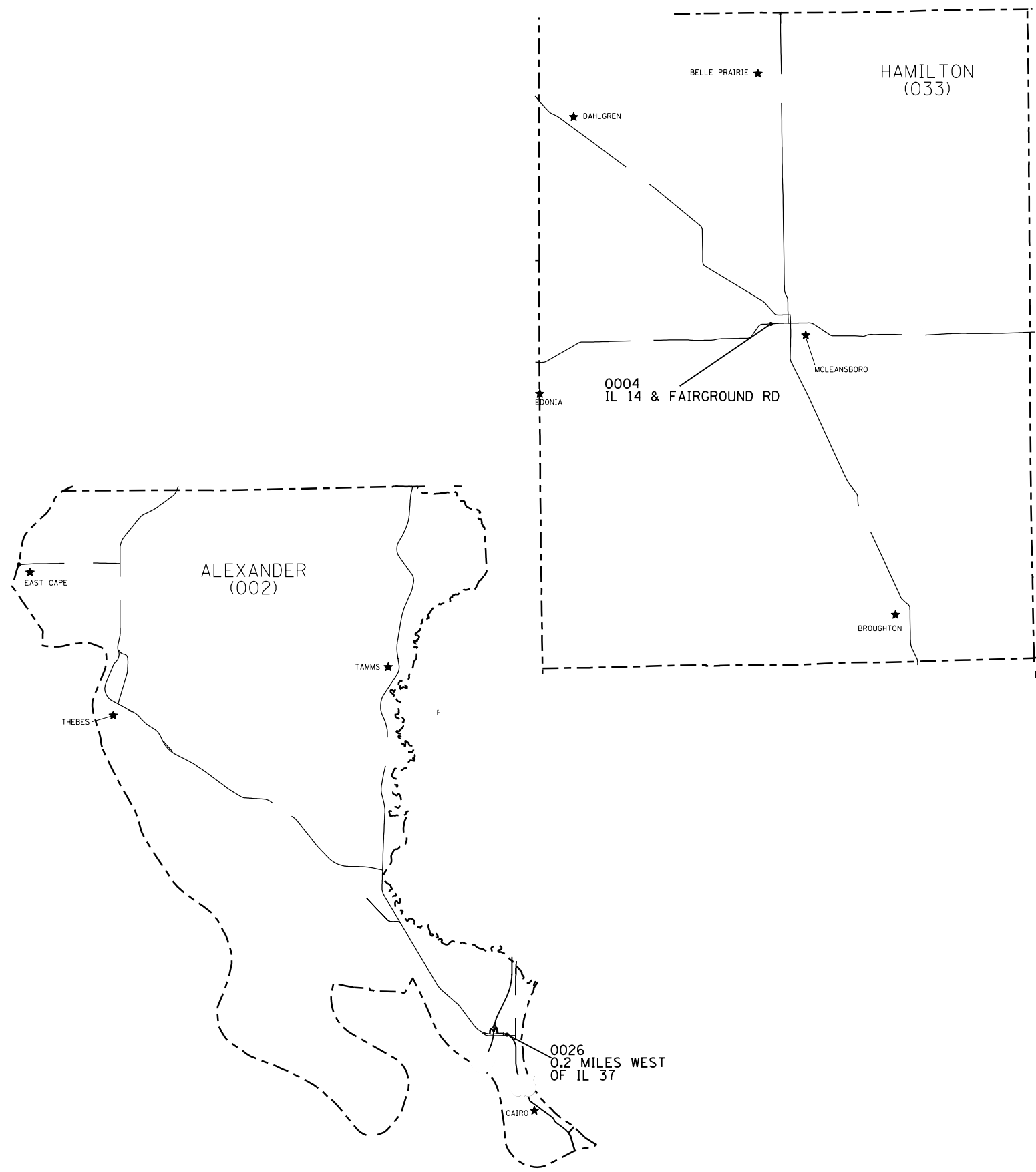
LOCATION STA TO STA	PIPE CULVERTS, CLASS D, TYPE 1, 15"	PIPE CULVERTS, CLASS D, TYPE 1, 18"	PIPE CULVERTS, CLASS D, TYPE 1, 24"	PIPE CULVERTS, CLASS D, TYPE 1, 27"	METAL FLARED END SECTIONS, 15"	METAL FLARED END SECTIONS, 18"	METAL FLARED END SECTIONS, 24"	METAL FLARED END SECTIONS, 27"	INLET AND PIPE PROTECTION
	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH
<b>ILLINOIS 14 (HAMILTON COUNTY)</b>									
033-0004 SWQ				50				1	1
<b>SUB-TOTAL (HAMILTON COUNTY)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>
<b>ILLINOIS 146 (POPE COUNTY)</b>									
076-7010 NEQ	60					1			1
<b>SUB-TOTAL (POPE COUNTY)</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>OLD ILLINOIS 13 (SALINE COUNTY)</b>									
083-7081 NWQ			84				2		1
2.8 MILES E. OF WILLIAMSON/SALINE COUNTY NEQ			84				2		1
4.5 MILES E. OF WILLIAMSON/SALINE COUNTY NEQ			84				2		1
4.5 MILES E. OF WILLIAMSON/SALINE COUNTY SEQ			84				2		1
6.6 MILES E. OF WILLIAMSON/SALINE COUNTY NWQ			84				2		1
6.9 MILES E. OF WILLIAMSON/SALINE COUNTY NWQ			84				2		1
6.9 MILES E. OF WILLIAMSON/SALINE COUNTY SEQ			84				2		1
6.9 MILES E. OF WILLIAMSON/SALINE COUNTY SWQ			84				2		1
<b>SUB-TOTAL (SALINE COUNTY)</b>	<b>0</b>	<b>0</b>	<b>672</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>8</b>
<b>OLD ILLINOIS 13 (WILLIAMSON COUNTY)</b>									
100-7066 NEQ		60					1		1
100-7066 SEQ			60				1		1
<b>SUB-TOTAL (WILLIAMSON COUNTY)</b>	<b>0</b>	<b>60</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>
<b>SUB-TOTAL (HAMILTON COUNTY)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>
<b>SUB-TOTAL (POPE COUNTY)</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>SUB-TOTAL (SALINE COUNTY)</b>	<b>0</b>	<b>0</b>	<b>672</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>8</b>
<b>SUB-TOTAL (WILLIAMSON COUNTY)</b>	<b>0</b>	<b>60</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>
<b>TOTAL</b>	<b>60</b>	<b>60</b>	<b>732</b>	<b>50</b>	<b>1</b>	<b>1</b>	<b>17</b>	<b>1</b>	<b>12</b>

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- VARIOUS
- D9 GUARDRAIL END SECT FY18-1

USER NAME = pritchettll PLOT SCALE = 100,0000' / in. PLOT DATE = 3/5/2018	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PIPE SCHEDULE</b>	F.A. RTE. SECTION COUNTY VARIOUS ILLINOIS	TOTAL SHEETS 20 FED. AID PROJECT	SHEET NO. 14 CONTRACT NO. 78632
			SCALE:	SHEET OF SHEETS	STA. TO STA.		

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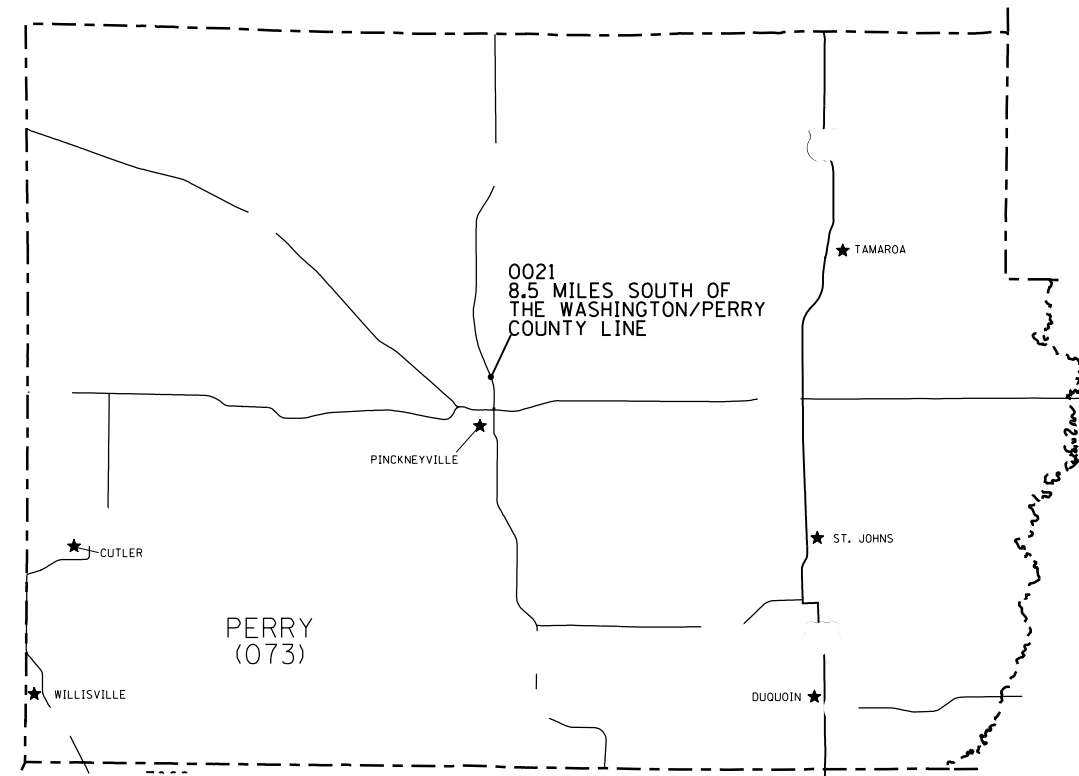
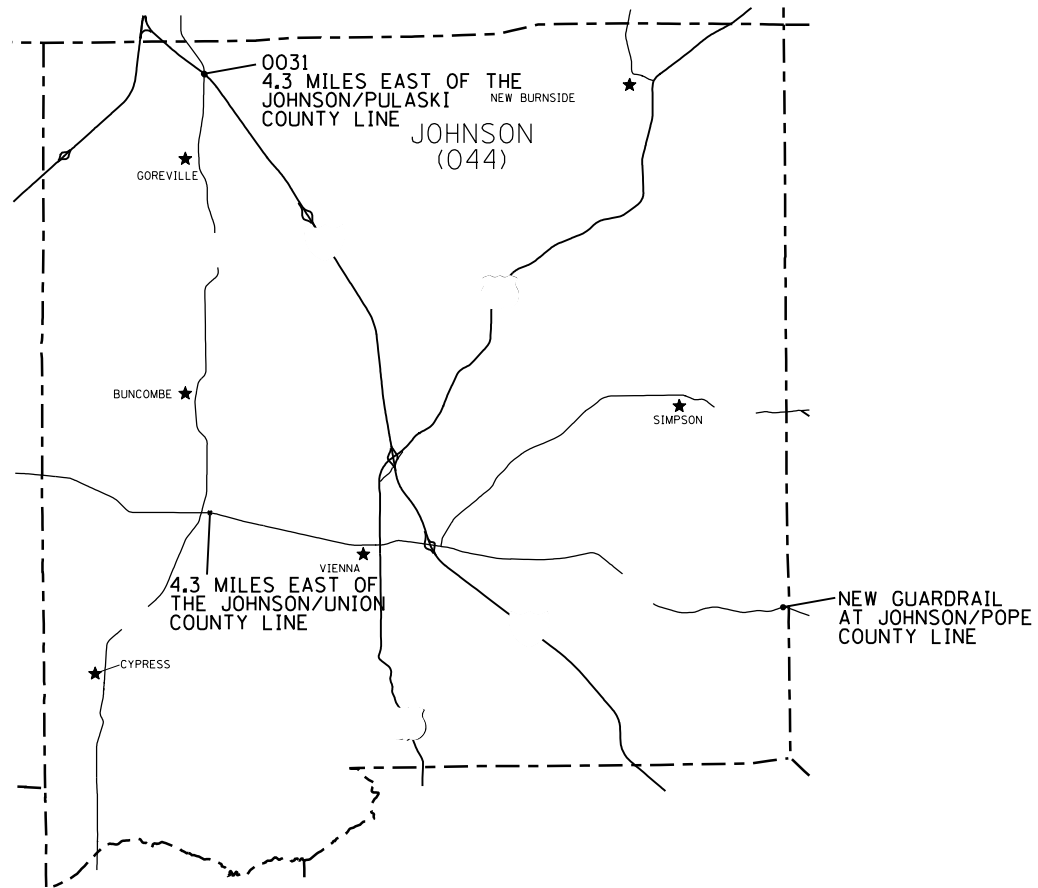


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PLOT DATE = 3/5/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ALEXANDER COUNTY    HAMILTON COUNTY, JACKSON COUNTY</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

• VARIOUS			
•• D9 GUARDRAIL END SECT FY18-1			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
-	**	VARIOUS	20
			SHEET NO. 15
CONTRACT NO. 78632			
ILLINOIS		FED. AID PROJECT	



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• VARIOUS  
 •• D9 GUARDRAIL END SECT FY18-1

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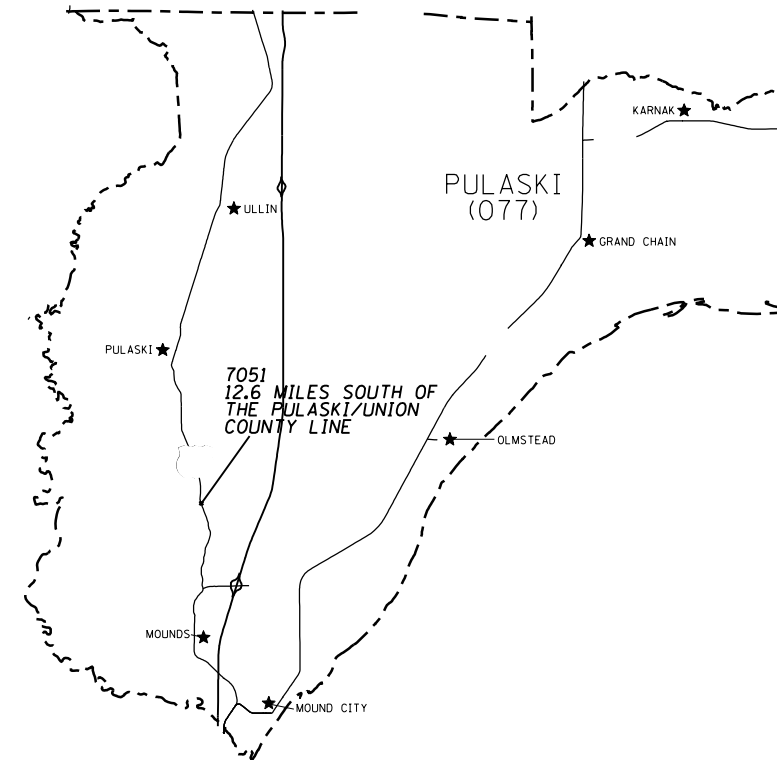
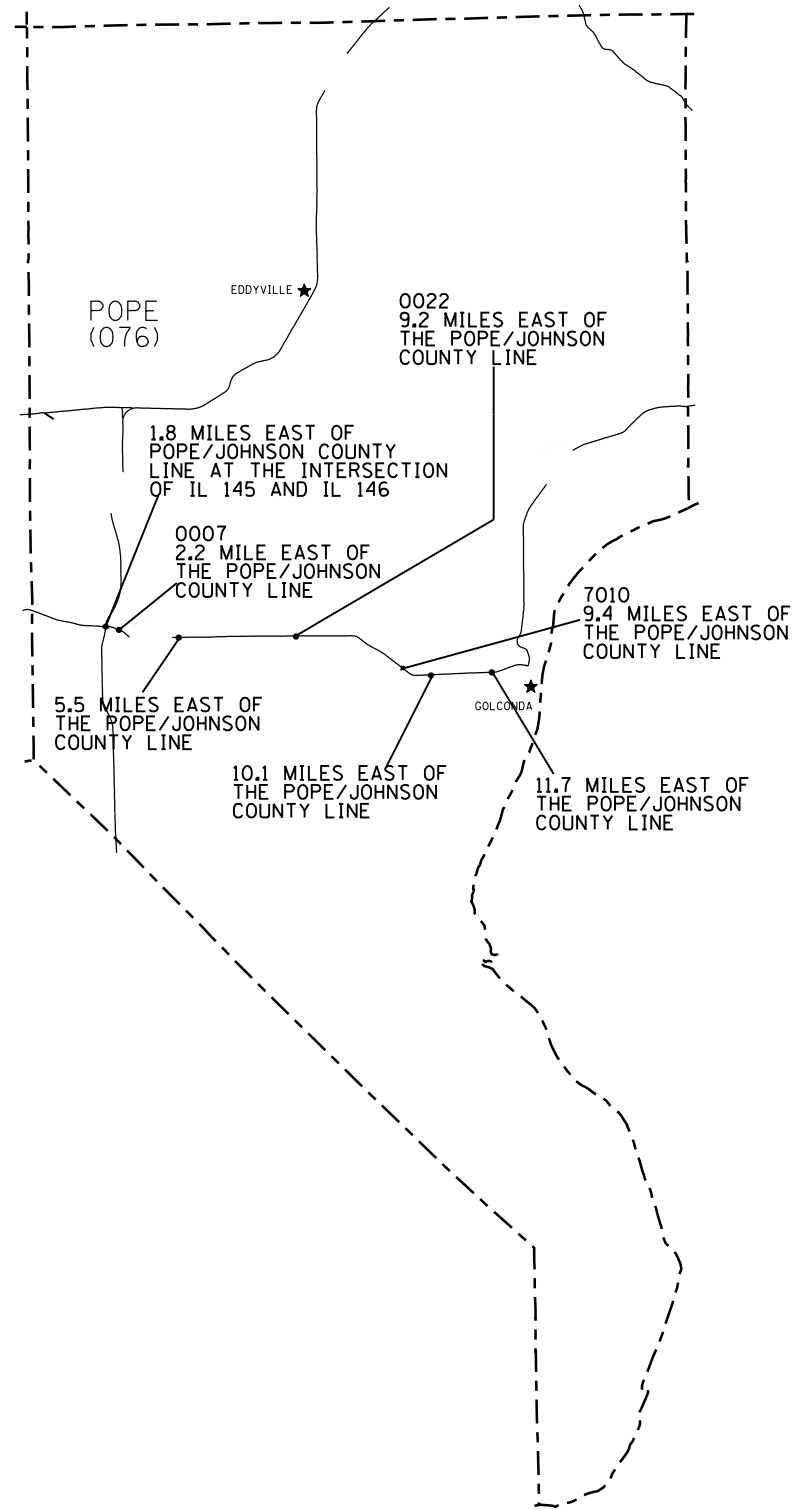
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**JOHNSON COUNTY**  
**PERRY COUNTY**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	**	VARIOUS	20	16
CONTRACT NO. 78632				
ILLINOIS		FED. AID PROJECT		





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- VARIOUS
- D9 GUARDRAIL END SECT FY18-1

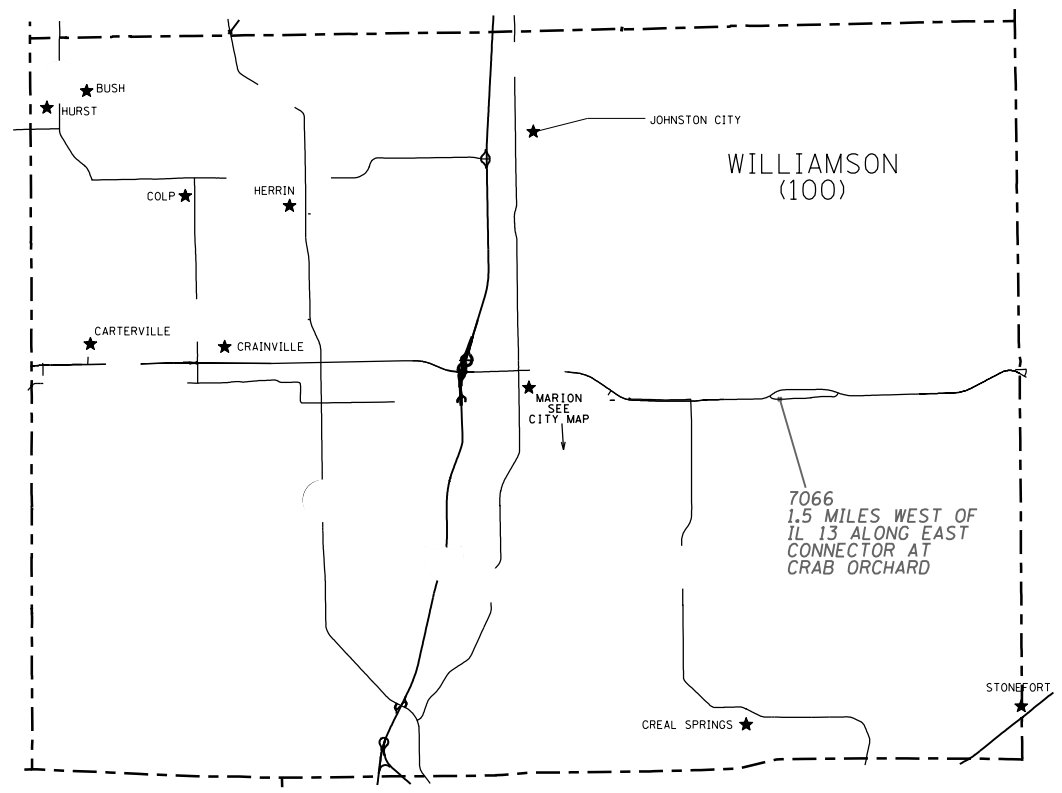
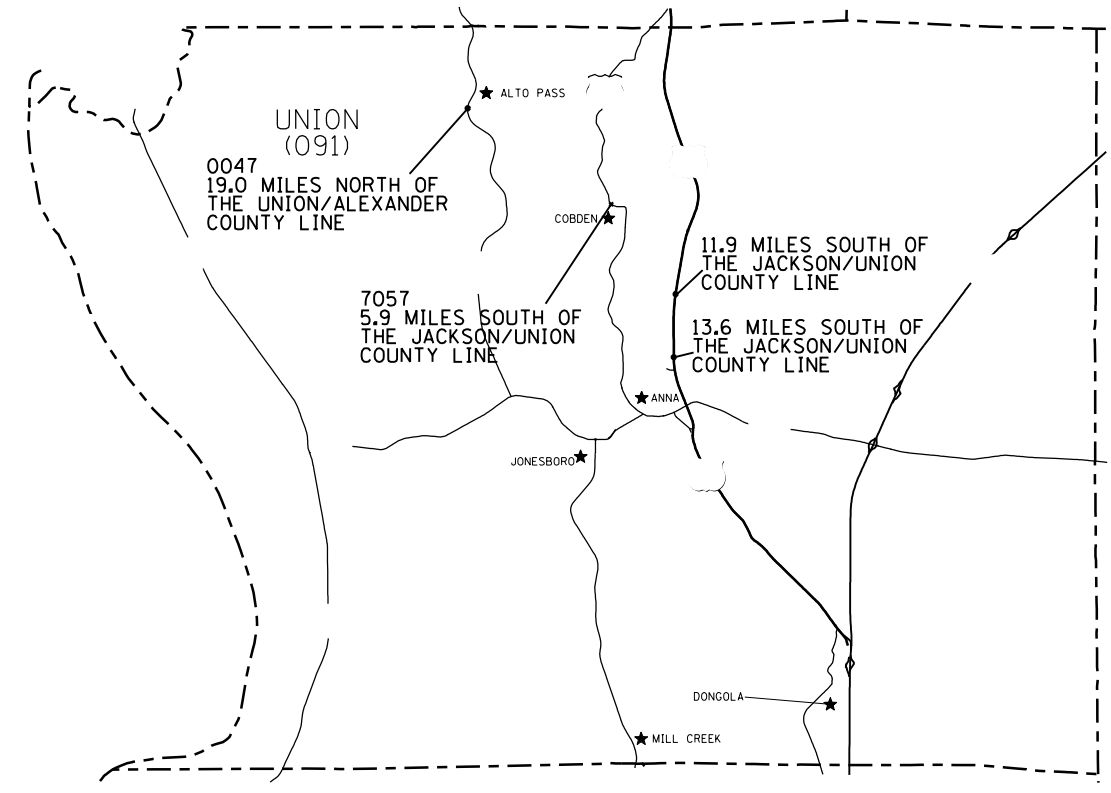
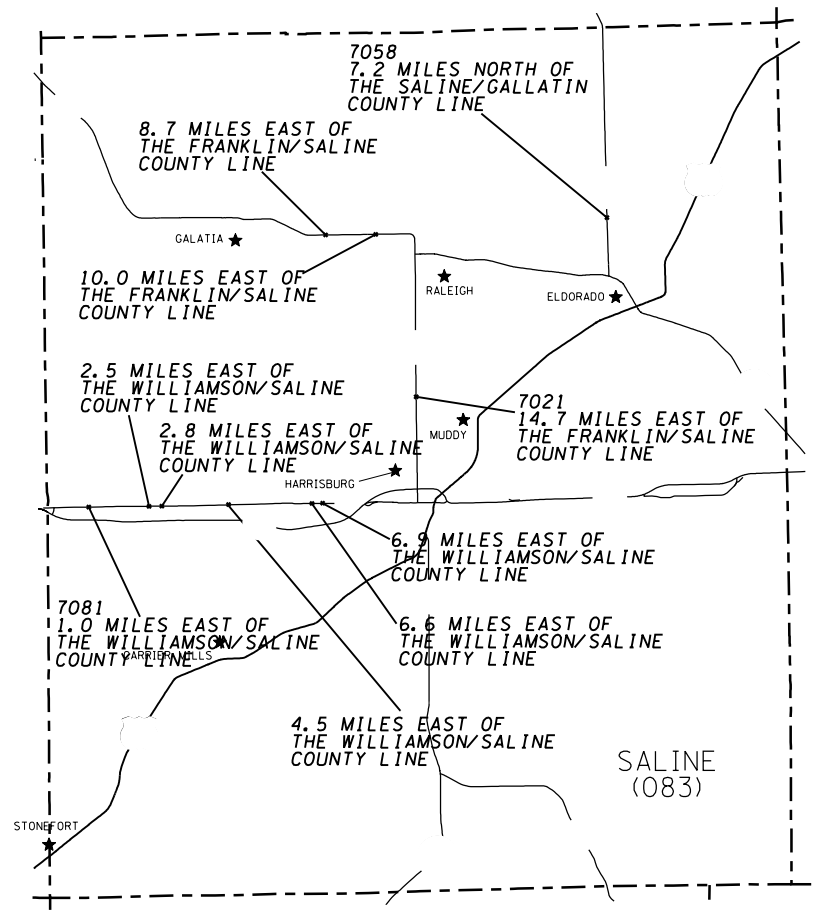
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**POPE COUNTY  
PULASKI COUNTY**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	**	VARIOUS	20	17
CONTRACT NO. 78632				
		ILLINOIS	FED. AID PROJECT	



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	DATE -	REVISED -

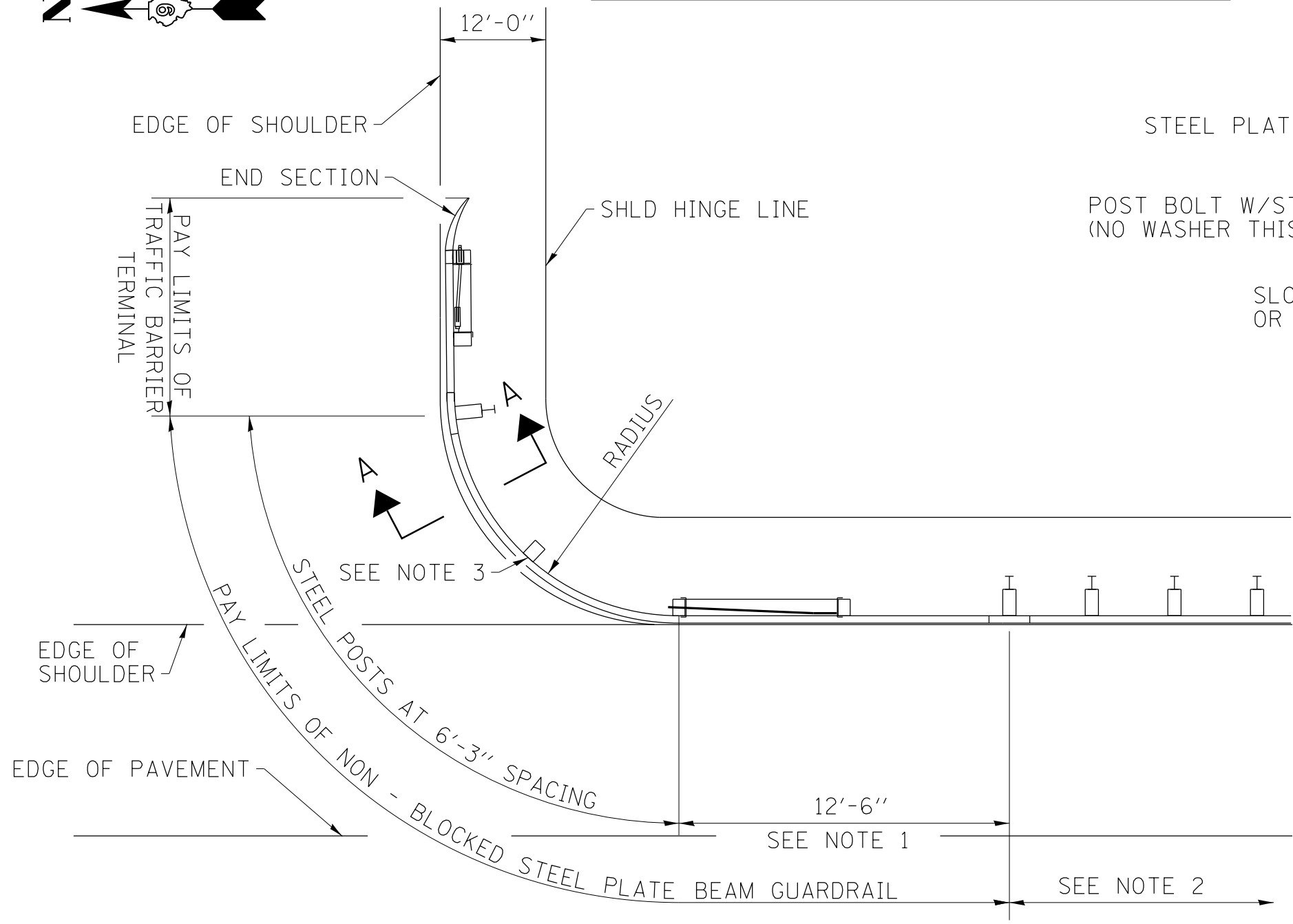
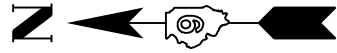
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SALINE COUNTY, UNION COUNTY WILLIAMSON COUNTY</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

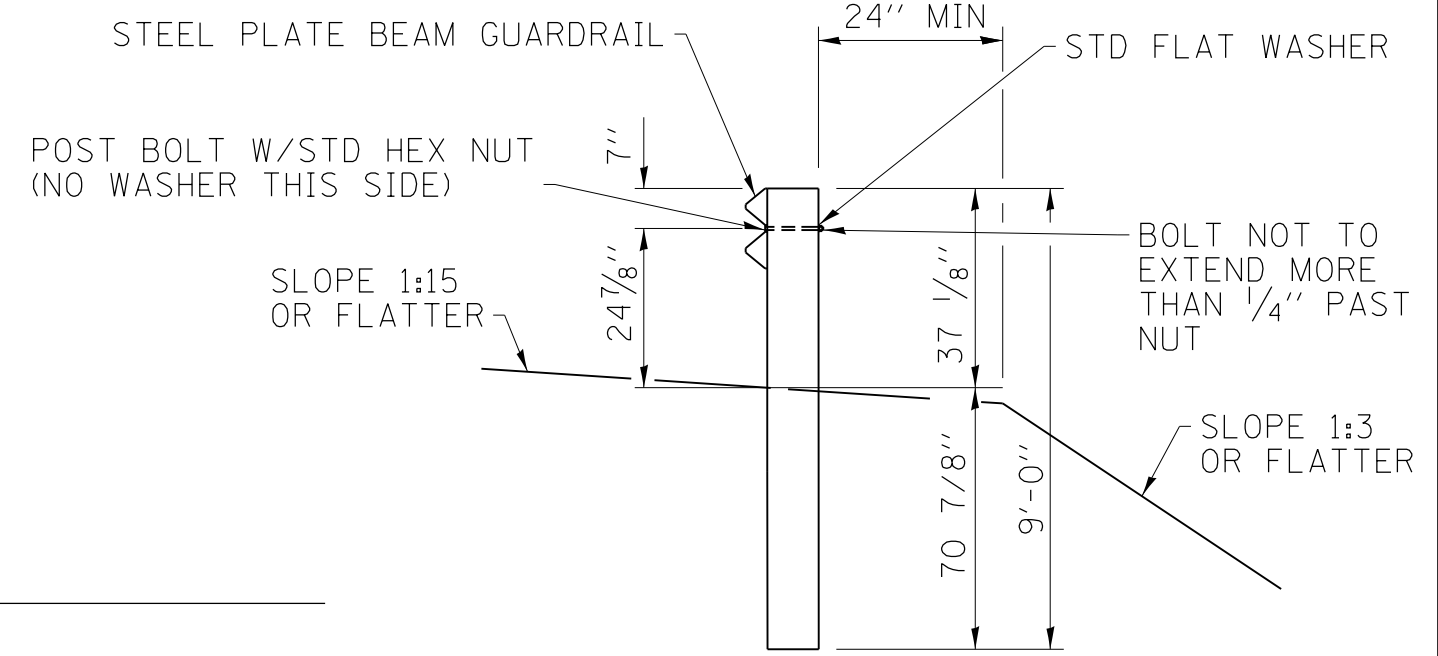
• VARIOUS •• D9 GUARDRAIL END SECT FY18-1				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	**	VARIOUS	20	18
CONTRACT NO. 78632				
ILLINOIS FED. AID PROJECT				



# SHORT RADIUS GUARDRAIL DETAIL



**PLAN**



**SECTION A-A**

## NOTES

1. CONSTRUCT ACCORDING TO STANDARD FOR TRAFFIC BARRIER TERMINAL SPECIFIED, EXCEPT DELETE END SECTION AND SPLICE INTO RADIUS GUARDRAIL.
2. STEEL PLATE BEAM GUARDRAIL TYPE A, OR TRAFFIC BARRIER TERMINAL AS SPECIFIED.
3. THE RAIL IS NOT BOLTED TO THE POST LOCATED AT THE MIDPOINT OF THE CURVE.

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PLOT DATE = 3/5/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHORT RADIUS GUARDRAIL DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

• VARIOUS			
•• D9 GUARDRAIL END SECT FY18-1			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
-	**	VARIOUS	20
			SHEET NO. 20
CONTRACT NO. 78632			
ILLINOIS		FED. AID PROJECT	