

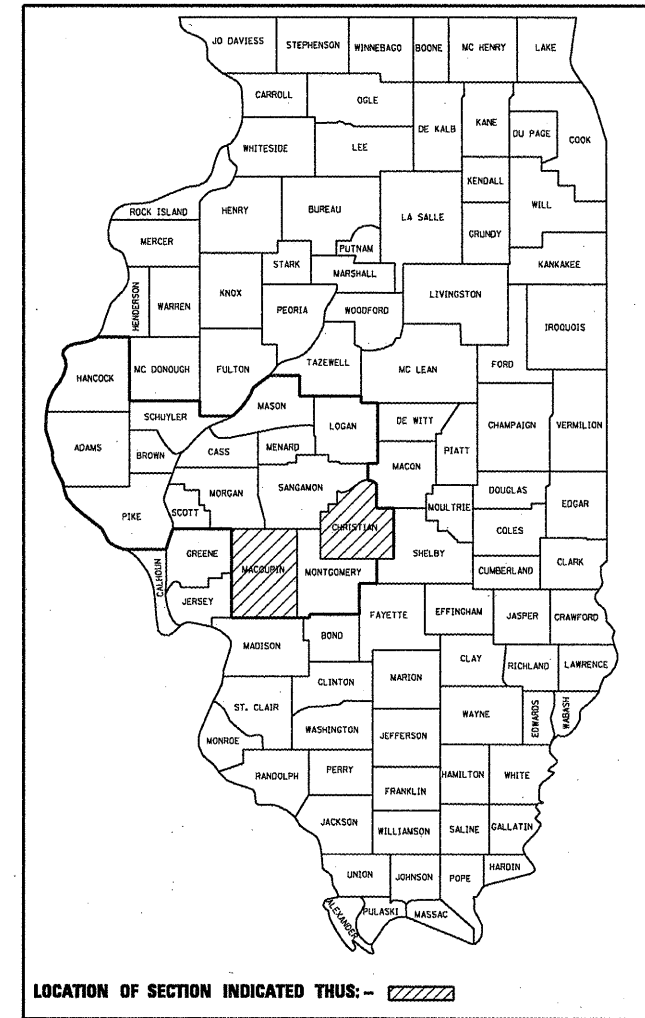
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

**PROPOSED**  
**HIGHWAY PLANS**

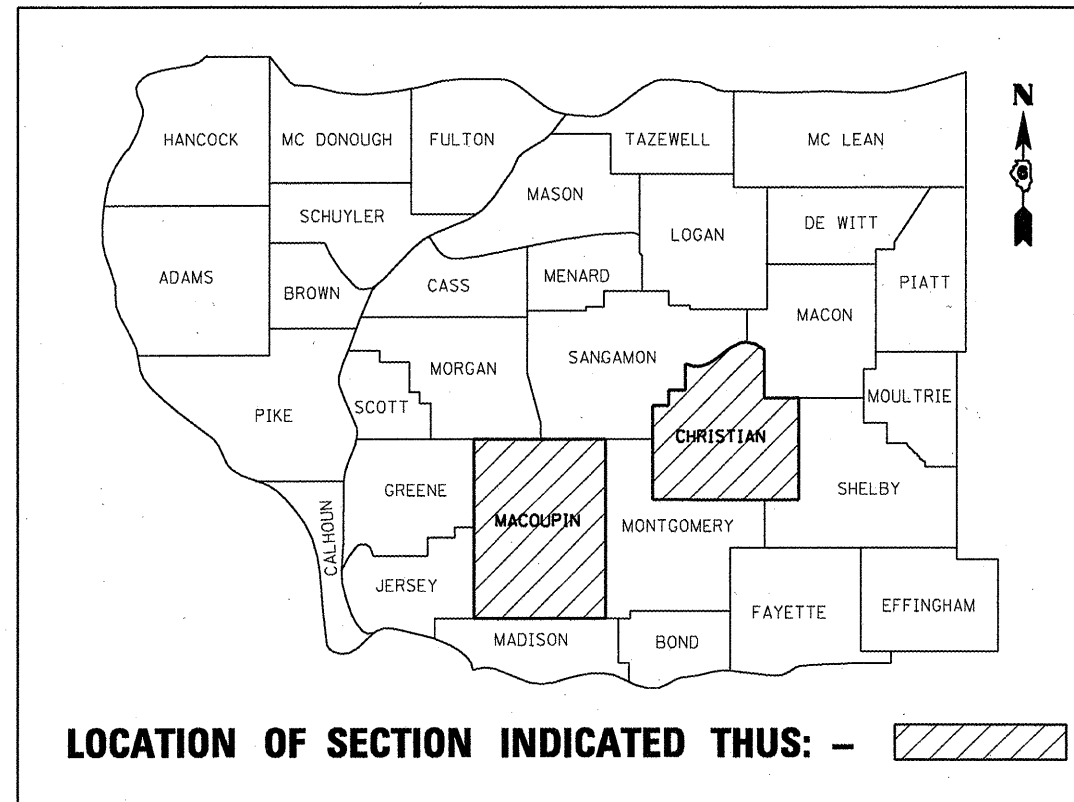
**ROUTE: VARIOUS**  
**SECTION: D6 GUARDRAIL END REPL 2011**  
**PROJECT HSIP-0005(838)**  
**COUNTY: CHRISTIAN & MACOUPIN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	1
ILLINOIS			CONTRACT NO. 72E07	
** D6 GUARDRAIL END REPL 2011			* CHRISTIAN, MACOUPIN	

D-96-027-11



C-96-027-11



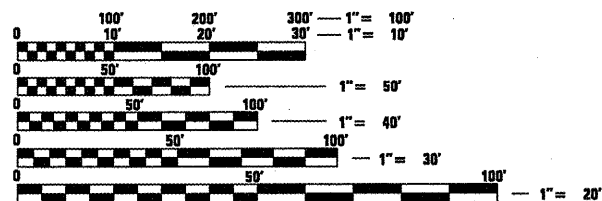
**LOCATION MAP**

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES
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- 17 - 20 EXISTING GUARDRAIL MODIFICATION DETAIL SHEETS
- 21 - 27 SIGN LOCATION AND DETAIL SHEETS

**HIGHWAY STANDARDS**

- |           |           |
|-----------|-----------|
| 000001-06 | 701201-04 |
| 630001-09 | 701501-06 |
| 630301-05 | 701901-01 |
| 631011-07 | 720006-02 |
| 635006-03 | 728001-01 |
| 635011-02 | 729001-01 |
| 701006-03 |           |



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

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

PROJECT ENGINEER: JEFF MYERS (217) 782-4761  
 TEAM ENGINEER: BRIAN LANINGHAM (217) 524-0472

CONTRACT NO. 72E07

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED December 19, 2010  
Reg. 2 Dmsh  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 4, 2011  
Scott E. Still P.E.  
 ENGINEER OF DESIGN AND ENVIRONMENT

February 4, 2011  
Christine M. Reeder  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

# GENERAL NOTES

1. ALL OF THE DISTURBED AREAS WITHIN THE RIGHT OF WAY NOT COVERED BY SURFACING MATERIAL SHALL BE SEEDED.
2. CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND EROSION PROTECTION FOR THE DURATION OF THIS PROJECT.
3. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED. ANY DAMAGE TO THE UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
5. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
6. IN ADDITION TO FIELD SURVEYS AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
7. FINAL VERTICAL ADJUSTMENT OF GUARDRAIL IF REQUIRED SHALL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE UNIT COSTS OF THE PROJECT.
8. GUARDRAIL REMOVAL SHALL INCLUDE TRAFFIC BARRIER BRIDGE TERMINALS AND TRAFFIC BARRIER END TERMINALS.
9. THE CONTRACTOR WILL BE REQUIRED TO CONTACT THE OPERATIONS ENGINEER (217) 782-7314 AT LEAST 72 HOURS PRIOR TO DRIVING ANY POSTS. TO MAKE SURE STATE OWNED UTILITIES ARE NOT IN THE WAY.
10. THE CONTRACTOR WILL BE REQUIRED TO REPAIR ANY AREAS OF TURF THAT ARE DAMAGED DURING THE EXECUTION OF THIS CONTRACT. THIS WORK WILL NOT BE MEASURED FOR PAYMENT AND WILL BE CONSIDERED IN THE UNIT COSTS OF THE PROJECT.
11. ALL GUARDRAIL SHALL HAVE A PRELIMINARY LAYOUT. GUARDRAIL POSTS SHALL BE ADJUSTED AS TO MISS ANY SHOULDER DRAINS, INLETS, PIPE CULVERTS, STORM SEWER OR ANY OTHER THAT MAY INTERFERE WITH GUARDRAIL CONSTRUCTION.
12. IN AREAS WHERE A "SOIL PAD" IS TO BE CONSTRUCTED, THE CONTRACTOR SHALL PROVIDE SOIL, CLASS 2 SEEDING, FERTILIZER, MULCH METHOD 1 AND ALL NECESSARY MATERIAL AND LABOR TO COMPLETE THE "SOIL PADS" AS SHOWN IN THE PLANS. THIS WORK WILL NOT BE MEASURED FOR PAYMENT AND WILL BE CONSIDERED IN THE UNIT COSTS OF THE PROJECT.
13. THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER WITH THE MANUFACTURER'S SPECIFICATION AND INSTALLATION INSTRUCTIONS OF THE "IMPACT ATTENUATOR" ONE WEEK PRIOR TO WORK BEGINNING. NO WORK SHALL BEGIN UNTIL THE RESIDENT ENGINEER HAS APPROVED THE MANUFACTURER'S SPECIFICATIONS. THE RESIDENT ENGINEER SHALL FORWARD THE INSTALLATION INSTRUCTIONS TO THE DISTRICTS OPERATION ENGINEER.
14. ALL HARDWARE, I.E. CONCRETE PADS, TRANSITION GUARDRAIL, ETC. SHALL BE INCLUDED IN THE UNIT COST OF THE "IMPACT ATTENUATOR".
15. THE "IMPACT ATTENUATOR" SHALL NOT EXTEND MORE THE 25' -0" PAST THE GUARDRAIL THAT WILL REMAIN IN PLACE.

<b>DISTRICT SIX</b>			
EXAMINED	<u>Nov 23</u>	20	<u>10</u>
<i>Rick Walker</i>			
OPERATIONS ENGINEER			
EXAMINED	<u>DEC 9</u>	20	<u>10</u>
<i>Jimmy Felt</i>			
PROJECT IMPLEMENTATION ENGINEER			
EXAMINED	<u>December 15</u>	20	<u>10</u>
<i>ARMIL</i>			
PROGRAM DEVELOPMENT ENGINEER			

**SUMMARY OF QUANTITIES**

LOCATION OF WORK				Christian Co. 90% FED / 10% STATE ROADWAY	Macoupin Co. 90% FED / 10% STATE ROADWAY
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
CODE NO.	ITEM	UNITS	TOTAL QUANTITY	0021	0021
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	250.0		250.0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1.0		1.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	77.0	18.0	59.0
63200310	GUARDRAIL REMOVAL	FOOT	3,881.5	919.0	2,962.5
63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	37.5		37.5
67100100	MOBILIZATION	L SUM	1.0	0.5	0.5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.5	0.5
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0	0.5	0.5
72000100	SIGN PANEL - TYPE 1	SQ FT	225.0	225.0	
72000200	SIGN PANEL - TYPE 2	SQ FT	15.0	15.0	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	72.0	72.0	
72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	27.0	27.0	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	344.0	344.0	
78200410	GUARDRAIL MARKERS, TYPE A	EACH	8.0		8.0
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	77.0	18.0	59.0
Z0030015	IMPACT ATTENUATORS (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 2	EACH	1.0	1.0	
20400800	FURNISHED EXCAVATION	CU YD	125.0		125.0

# MACOUPIN CO.

ITEM NO.	DESCRIPTION	UNIT
20400800	FURNISHED EXCAVATION	CU YD
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH
63100167	TRAFFIC BARRIER TERMINAL, TY 1, SPECIAL (TANGENT)	EACH
63200310	GUARDRAIL REMOVAL	FOOT
63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT
78200410	GUARDRAIL MARKERS, TYPE A	EACH
78201000	TERMINAL MARKER, DIRECT APPLIED	EACH
Z0030015	IMPACT ATTENUATORS (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 2	EACH

LOCATION	ROUTE	STRUCTURE TYPE	DIRECTION	GUARDRAIL OFFSET (FOOT)	GUARDRAIL HEIGHT (INCHES)	SPBG TYPE A, 9FT. POST (FOOT)	TERMINAL TYPE 2 (EACH)	TERMINAL TYPE 1 (EACH)	GUARDRAIL REMOVAL (FOOT)	SPBG TYPE A, SHORT RAD (FOOT)	GUARDRAIL MARKERS, TY A (EACH)	TERMINAL MARKER (EACH)	IMPACT ATTENUATORS (EACH)	SOIL PADS (EACH)	FURN. EX. (CU YD)	REMARKS
A	IL 108	SN 059-0035	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
			NE QUAD	MATCH EXSTING	MATCH EXSTING	25.0	-	1	50.0	37.5	2	1	-	-		WEST SIDE OF HAGAMAN RD (SEE DETAIL)
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
		ROADWAY	SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		EAST OF HAGAMAN RD
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		EAST OF HAGAMAN RD
		SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		EAST OF HAGAMAN RD	
B	IL 108	SN 059-0048	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
C	IL 111	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		
D	IL 111	ROADWAY	NW QUAD	6'-0" from EOP	31"	-	-	1	37.5	-	-	1	-	-		HETTICK - NORTH OF BACON ST. (SEE DETAIL)
			SW QUAD	6'-0" from EOP	31"	-	-	1	37.5	-	-	1	-	-		HETTICK - NORTH OF BACON ST. (SEE DETAIL)
	IL 111	ROADWAY	NW QUAD	6'-0" from EOP	31"	25.0	-	1	75.0	-	1	1	-	-		HETTICK SOUTH OF N. MAIN ST. (SEE DETAIL)
			SW QUAD	6'-0" from EOP	31"	25.0	-	1	75.0	-	1	1	-	-		HETTICK SOUTH OF N. MAIN ST. (SEE DETAIL)
	IL 111	ROADWAY	NW QUAD	6'-0" from EOP	31"	87.5	-	1	37.5	-	2	1	-	-		HETTICK NORTH OF N. MAIN ST. (SEE DETAIL)
			SW QUAD	6'-0" from EOP	31"	87.5	-	1	37.5	-	2	1	-	-		HETTICK NORTH OF N. MAIN ST. (SEE DETAIL)
						<b>250.0</b>		<b>21</b>	<b>1,050.0</b>		<b>8</b>	<b>21</b>			<b>TOTALS</b>	

# MACOUPIN CO.

20400800	FURNISHED EXCAVATION	CU YD
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH
63100167	TRAFFIC BARRIER TERMINAL, TY 1, SPECIAL (TANGENT)	EACH
63200310	GUARDRAIL REMOVAL	FOOT
63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT
78200410	GUARDRAIL MARKERS, TYPE A	EACH
78201000	TERMINAL MARKER, DIRECT APPLIED	EACH
Z0030015	IMPACT ATTENUATORS (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 2	EACH

LOCATION	ROUTE	STRUCTURE TYPE	DIRECTION	GUARDRAIL OFFSET (FOOT)	GUARDRAIL HEIGHT (INCHES)	SPBG TYPE A, 9FT. POST (FOOT)	TERMINAL TYPE 2 (EACH)	TERMINAL TYPE 1 (EACH)	GUARDRAIL REMOVAL (FOOT)	SPBG TYPE A, SHORT RAD (FOOT)	GUARDRAIL MARKERS, TY A (EACH)	TERMINAL MARKER (EACH)	IMPACT ATTENUATORS (EACH)	SOIL PADS (EACH)	FURN. EX. (CU YD)	REMARKS	
E	IL 111	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-			
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	-	1	-	-		
F	IL 111	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-			
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-			
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-			
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-			
G	IL 159	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0		
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0		
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0		
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0		
H	IL 138	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-			
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-			
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-			
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-			
								14	700.0			14			4	20.0	TOTALS

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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES OF QUANTITIES D6 GUARDRAIL END REPL</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE. VAR.	SECTION **	COUNTY *	TOTAL SHEETS 27	SHEET NO. 5
			CONTRACT NO. 72E07	

# MACOUPIN CO.

20400800	FURNISHED EXCAVATION	CU YD
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH
63100167	TRAFFIC BARRIER TERMINAL, TY 1, SPECIAL (TANGENT)	EACH
63200310	GUARDRAIL REMOVAL	FOOT
63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT
78200410	GUARDRAIL MARKERS, TYPE A	EACH
78201000	TERMINAL MARKER, DIRECT APPLIED	EACH
20030015	IMPACT ATTENUATORS (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 2	EACH

LOCATION	ROUTE	STRUCTURE TYPE	DIRECTION	GUARDRAIL OFFSET (FOOT)	GUARDRAIL HEIGHT (INCHES)	SPBG TYPE A, 9FT. POST (FOOT)	TERMINAL TYPE 2 (EACH)	TERMINAL TYPE 1 (EACH)	GUARDRAIL REMOVAL (FOOT)	SPBG TYPE A, SHORT RAD (FOOT)	GUARDRAIL MARKERS, TY A (EACH)	TERMINAL MARKER (EACH)	IMPACT ATTENUATORS (EACH)	SOIL PADS (EACH)	FURN. EX. (CU YD)	REMARKS
I	IL 16	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
J	IL 16	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
K	IL 16	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
L	IL 4	ROADWAY	SE QUAD	MATCH EXSTING	31"	-	1	1	62.5	-	-	1	-	-	NEAR STAUNTON ALCO STORE	
							1	12	612.5	-	-	12	11	55.0	<b>TOTALS</b>	

FILE NAME =	USER NAME = laughlinc1	DESIGNED -	REVISED -
at\pwork\pwork\laughlinc1\20240307.D6	2E07-sht-schedule.dgn	DRAWN -	REVISED -
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	PLOT DATE = Jan-19-2011 02:31:10PM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES D6 GUARDRAIL END REPL			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	6
			CONTRACT NO. 72E07	
ILLINOIS FED. AID PROJECT				

# MACOUPIN CO.

ITEM NO.	DESCRIPTION	UNIT
20400800	FURNISHED EXCAVATION	CU YD
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH
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63200310	GUARDRAIL REMOVAL	FOOT
63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT
78200410	GUARDRAIL MARKERS, TYPE A	EACH
78201000	TERMINAL MARKER, DIRECT APPLIED	EACH
Z0030015	IMPACT ATTENUATORS (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 2	EACH

LOCATION	ROUTE	STRUCTURE TYPE	DIRECTION	GUARDRAIL OFFSET (FOOT)	GUARDRAIL HEIGHT (INCHES)	SPBG TYPE A, 9FT. POST (FOOT)	TERMINAL TYPE 2 (EACH)	TERMINAL TYPE 1 (EACH)	GUARDRAIL REMOVAL (FOOT)	SPBG TYPE A, SHORT RAD (FOOT)	GUARDRAIL MARKERS, TY A (EACH)	TERMINAL MARKER (EACH)	IMPACT ATTENUATORS (EACH)	SOIL PADS (EACH)	FURN. EX. (CU YD)	REMARKS
M	IL 4	SN 059-0009	SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	NEAR STAUNTON COUNTRY CLUB LANE
N	IL 4	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	
O	IL 4	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	SOUTH OF THE IL4/IL 108 INTERSECTION
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	SOUTH OF THE IL4/IL 108 INTERSECTION
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	SOUTH OF THE IL4/IL 108 INTERSECTION
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	SOUTH OF THE IL4/IL 108 INTERSECTION
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	SOUTH OF THE IL4/IL 108 INTERSECTION
			NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	1	5.0	SOUTH OF THE IL4/IL 108 INTERSECTION
P	IL 4/IL 108	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		NORTH OF THE IL4/IL 108 INTERSECTION
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-		NORTH OF THE IL4/IL 108 INTERSECTION
								<b>12</b>	<b>600.0</b>	<b>-</b>			<b>12</b>	<b>10</b>	<b>50.0</b>	<b>TOTALS</b>

# CHRISTIAN CO.

20400800	FURNISHED EXCAVATION	CU YD
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH
63100167	TRAFFIC BARRIER TERMINAL, TY 1, SPECIAL (TANGENT)	EACH
63200310	GUARDRAIL REMOVAL	FOOT
63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT
78200410	GUARDRAIL MARKERS, TYPE A	EACH
78201000	TERMINAL MARKER, DIRECT APPLIED	EACH
Z0030015	IMPACT ATTENUATORS (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 2	EACH

LOCATION	ROUTE	STRUCTURE TYPE	DIRECTION	GUARDRAIL OFFSET (FOOT)	GUARDRAIL HEIGHT (INCHES)	SPBG TYPE A, 9FT. POST (FOOT)	TERMINAL TYPE 2 (EACH)	TERMINAL TYPE 1 (EACH)	GUARDRAIL REMOVAL (FOOT)	SPBG TYPE A, SHORT RAD (FOOT)	GUARDRAIL MARKERS, TY A (EACH)	TERMINAL MARKER (EACH)	IMPACT ATTENUATORS (EACH)	SOIL PADS (EACH)	FURN. EX. (CU YD)	REMARKS	
Q	IL 48	SN 011-0032	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
R	IL 48	SN 011-2505	SW QUAD	MATCH EXSTING	-	-	-	19.0	-	-	-	1	-	-	NEAR STONINGTON GRAIN ELEVATOR		
S	IL 29	SN 011-0013	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
T	IL 16	ROADWAY	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
U	IL 16	ROADWAY	SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
V	IL 16	SN 011-0006	NW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			SW QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			NE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
			SE QUAD	MATCH EXSTING	MATCH EXSTING	-	-	1	50.0	-	-	1	-	-	-		
								18	919.0			18				TOTALS	
						250.0	1.0	77.0	3,881.5	37.5	8.0	77.0	1.0	25.0	125.0		GRANDTOTALS

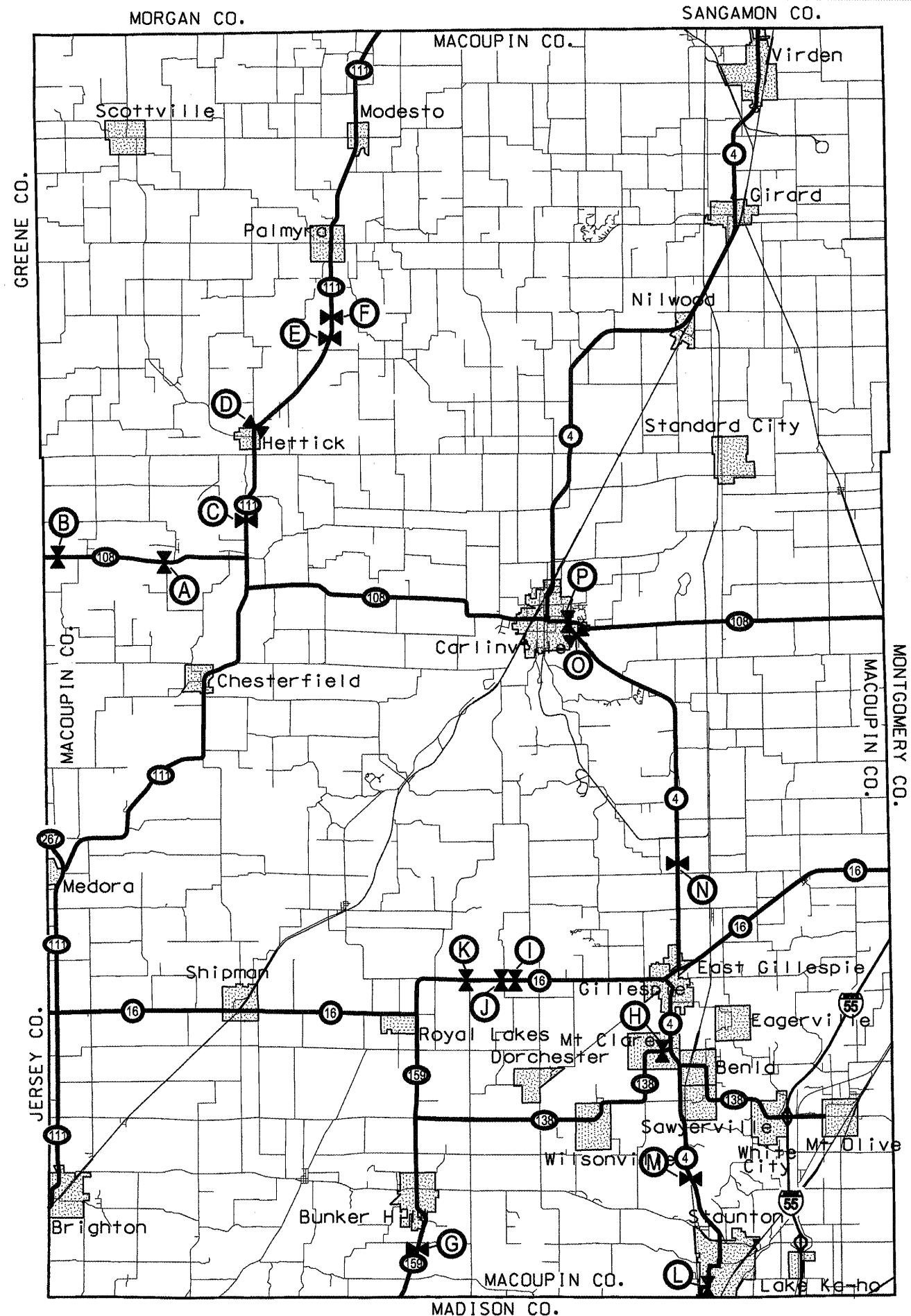


# CHRISTIAN CO.

SIGN LOCATION	ROUTE	SIGN PANEL TY 1 (SQ FT)	SIGN PANEL TY 2 (SQ FT)	REMOVE SIGN PANEL, TY 1 (SQ FT)	RELOCATE SIGN PANEL ASSEMBLY TY B (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	NUMBER OF POST	HEIGHT ABOVE THE GROUND TO THE BOTTOM OF SIGN (FOOT)	SIGN DESCRIPTION	REMARKS
#1	IL 29	9.0				16.0	1	7.0	W3-3 (3636) "SIGNAL AHEAD"	
#2	IL 104	9.0				16.0	1	7.0	W3-3 (3636) "SIGNAL AHEAD"	
			15.0			30.0	2	7.0	R3-8 (6036) "DIRECTIONAL ARROWS"	
#3	IL 29	9.0				16.0	1	7.0	W3-3 (3636) "SIGNAL AHEAD"	
#4	IL 29				10.5			7.0		RELOCATE EXISTING SIGNS
					16.5			7.0		RELOCATE EXISTING SIGNS
#5	IL 29	9.0				16.0	1	7.0	W3-3 (3636) "SIGNAL AHEAD"	
#6	IL 29	9.0				16.0	1	7.0	W3-3 (3636) "SIGNAL AHEAD"	
#7	MT. AUBURN RD	3.0				13.0	1	6.0	W1-8 (1824) "CHEVRONS"	TWO SIGNS PER LOCATION IN CURVE #1
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
		3.0				13.0	1	6.0		
<b>SUBTOTAL</b>		<b>117.0</b>	<b>15.0</b>	<b>18.0</b>	<b>27.0</b>	<b>227.0</b>	<b>16</b>			

# CHRISTIAN CO.

SIGN LOCATION	ROUTE	SIGN PANEL TY 1 (SQ FT)	SIGN PANEL TY 2 (SQ FT)	REMOVE SIGN PANEL, TY 1 (SQ FT)	RELOCATE SIGN PANEL ASSEMBLY TY B (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	NUMBER OF POST	HEIGHT ABOVE THE GROUND TO THE BOTTOM OF SIGN (FOOT)	SIGN DESCRIPTION	REMARKS
		3.0				13.0	1	6.0	W1-8 (1824) "CHEVRONS"	TWO SIGNS PER LOCATION IN CURVE #1
		3.0								
		3.0				13.0	1	6.0		
		3.0								
		3.0				13.0	1	6.0		
		3.0								
		3.0				13.0	1	6.0		
		3.0								
		3.0				13.0	1	6.0		
		3.0								
		3.0				13.0	1	6.0		
		3.0								
		3.0				13.0	1	6.0		
		3.0								
		3.0				13.0	1	6.0		
		9.0		9.0				7.0	W1-10B (3636) "CURVE AHEAD / SIDEROAD"	
		9.0		9.0				7.0	W1-10B (3636) "CURVE AHEAD / SIDEROAD"	
#9	MT. AUBURN RD	9.0		9.0				7.0	W1-10B (3636) "CURVE AHEAD / SIDEROAD"	
		9.0		9.0				7.0	W1-10B (3636) "CURVE AHEAD / SIDEROAD"	
#10	MT. AUBURN RD	9.0		9.0				7.0	W1-10B (3636) "CURVE AHEAD / SIDEROAD"	
		9.0		9.0				7.0	W1-10B (3636) "CURVE AHEAD / SIDEROAD"	
<b>SUBTOTAL</b>		<b>108.0</b>		<b>54.0</b>		<b>117.0</b>	<b>9</b>			
<b>GRANDTOTAL</b>		<b>225.0</b>	<b>15.0</b>	<b>72.0</b>	<b>27.0</b>	<b>344.0</b>	<b>25.0</b>			



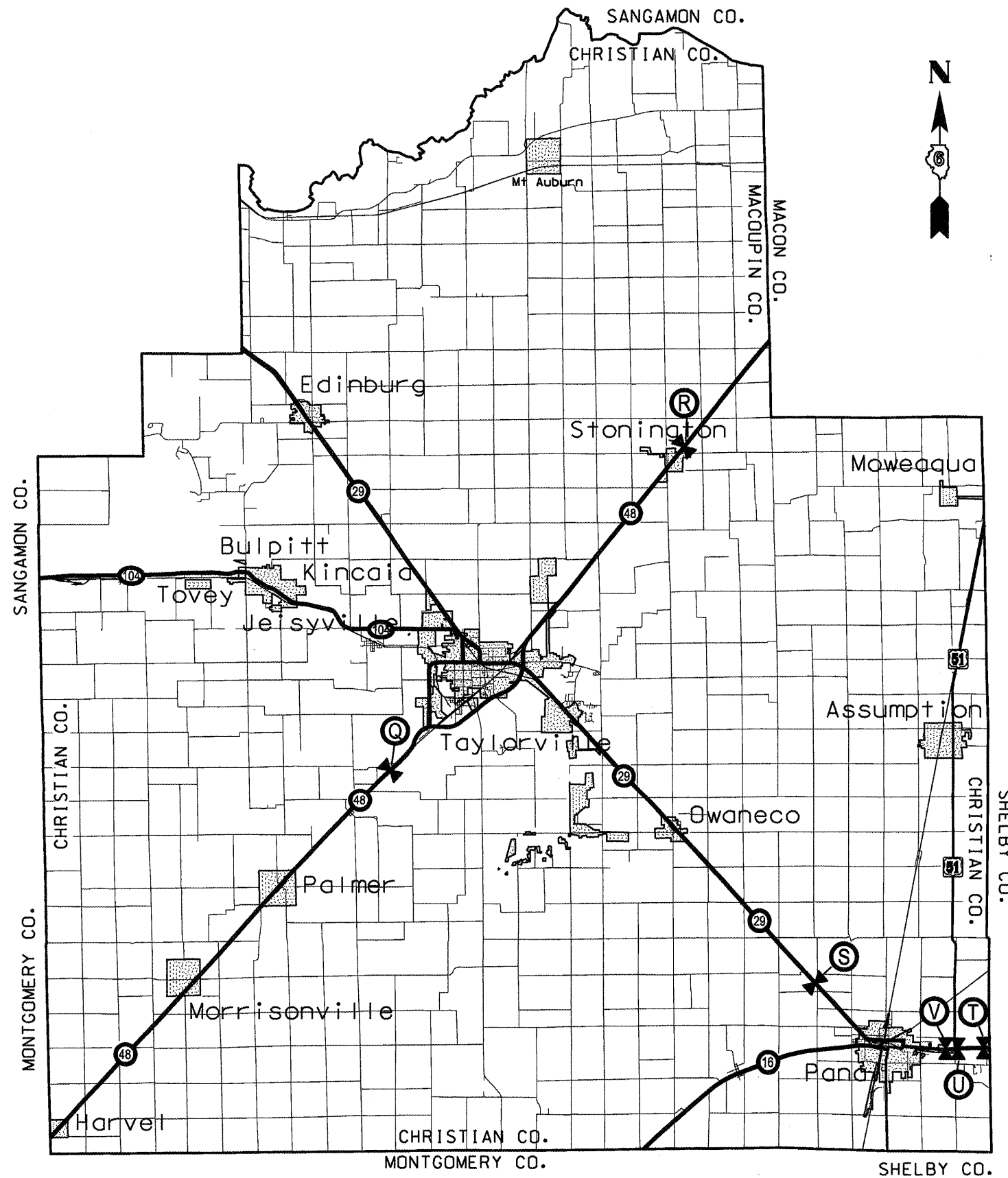
MACOUPIN COUNTY		
LOCATION	DESCRIPTION LOCATION	ROUTE
A	Proceeding 21.96 miles to the West from the Macoupin/Montgomery Co. line at (Hagaman Rd.)	IL 108
B	Proceeding 25.00 miles to the West from the Macoupin/Montgomery Co. line at (SN 059-0048)	
C	Proceeding 1.92 miles to the North from the (South) Intersection of IL 108/IL 111	IL 111
D	Proceeding 4.65 miles to the North from the (South) Intersection of IL 108/IL 111 (North End of Hettick)	
E	Proceeding 8.00 miles to the North from the (South) Intersection of IL 108/IL 111	
F	Proceeding 8.60 miles to the North from the (South) Intersection of IL 108/IL 111	
G	Proceeding 6.82 miles to the South from the Intersection of IL 16/IL 159	IL 159
H	Proceeding 0.25 miles to the West from the Intersection of IL 4/IL 138	IL 138
I	Proceeding 11.70 miles to the West from the Macoupin/Montgomery Co. line.	IL 16
J	Proceeding 12.10 miles to the West from the Macoupin/Montgomery Co. line.	
K	Proceeding 13.10 miles to the West from the Macoupin/Montgomery Co. line.	
L	Proceeding 0.47 miles to the North from the Macoupin/Madison Co. line.	IL 4
M	Proceeding 4.10 miles to the North from the Macoupin/Madison Co. line. (SN 059-0009)	
N	Proceeding 13.65 miles to the North from the Macoupin/Madison Co. line.	
O	Proceeding 22.15 miles to the North from the Macoupin/Madison Co. line. (South of IL 4/IL 138 Intersection)	
P	Proceeding 22.25 miles to the North from the Macoupin/Madison Co. line. (North side of IL 4/IL 138 Intersection)	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>D6 GUARDRAIL END REPL GUARDRAIL LOCATION SHEETS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.		27	11

CONTRACT NO. 72E07	
ILLINOIS FED. AID PROJECT	



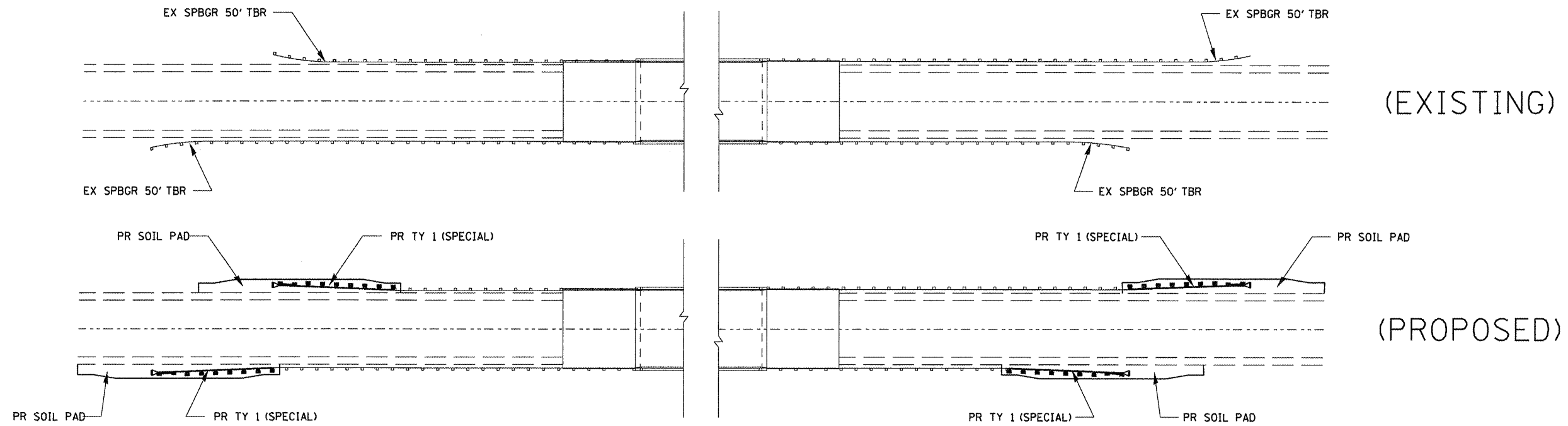
CHRISTIAN COUNTY		
LOCATION	DESCRIPTION	ROUTE
Q	Proceeding 14.40 miles to the Northeast from the Christian/Montgomery Co. line (SN 011-0032)	IL 48
R	Proceeding 27.60 miles to the Northeast from the Christian/Montgomery Co. line (SN 011-2505)	
S	Proceeding 12.40 miles to the Southeast from the Intersection of IL 29/IL 48 (SN 011-0013)	IL 29
T	Proceeding 0.17 miles to the West from the Christian/Shelby Co. line.	IL 16
U	Proceeding 1.13 miles to the West from the Christian/Shelby Co. line.	
V	Proceeding 1.26 miles to the West from the Christian/Shelby Co. line. (SN 011-0006)	

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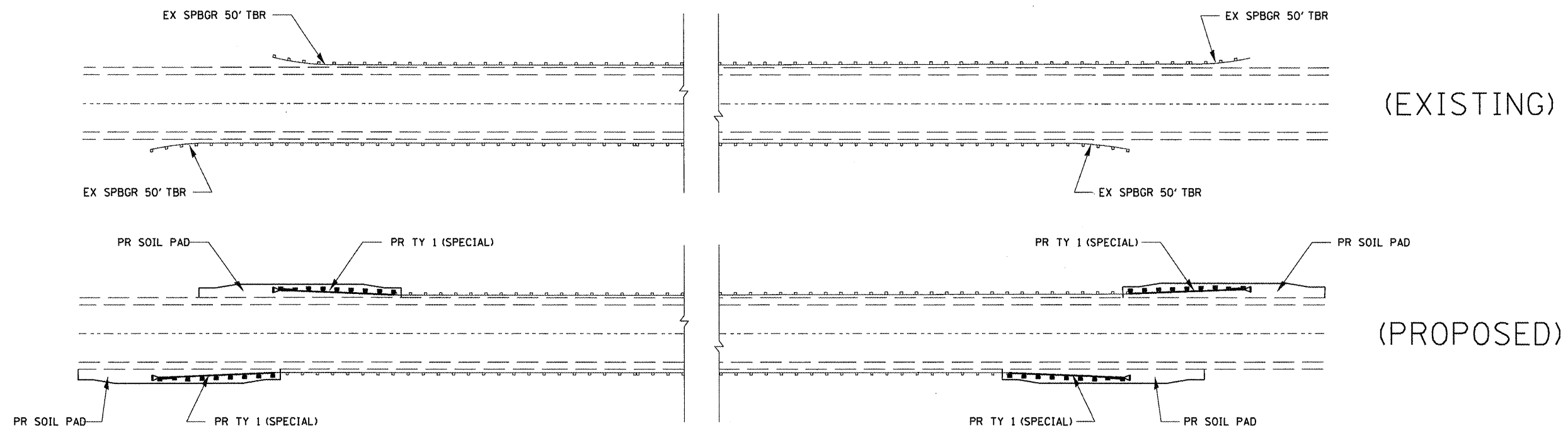
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>D6 GUARDRAIL END REPL GUARDRAIL LOCATION SHEETS</b>			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	12
CONTRACT NO. 72E07				
ILLINOIS FED. AID PROJECT				



GENERAL DETAIL (STRUCTURE APPLICATION)



GENERAL DETAIL (ROADWAY APPLICATION)

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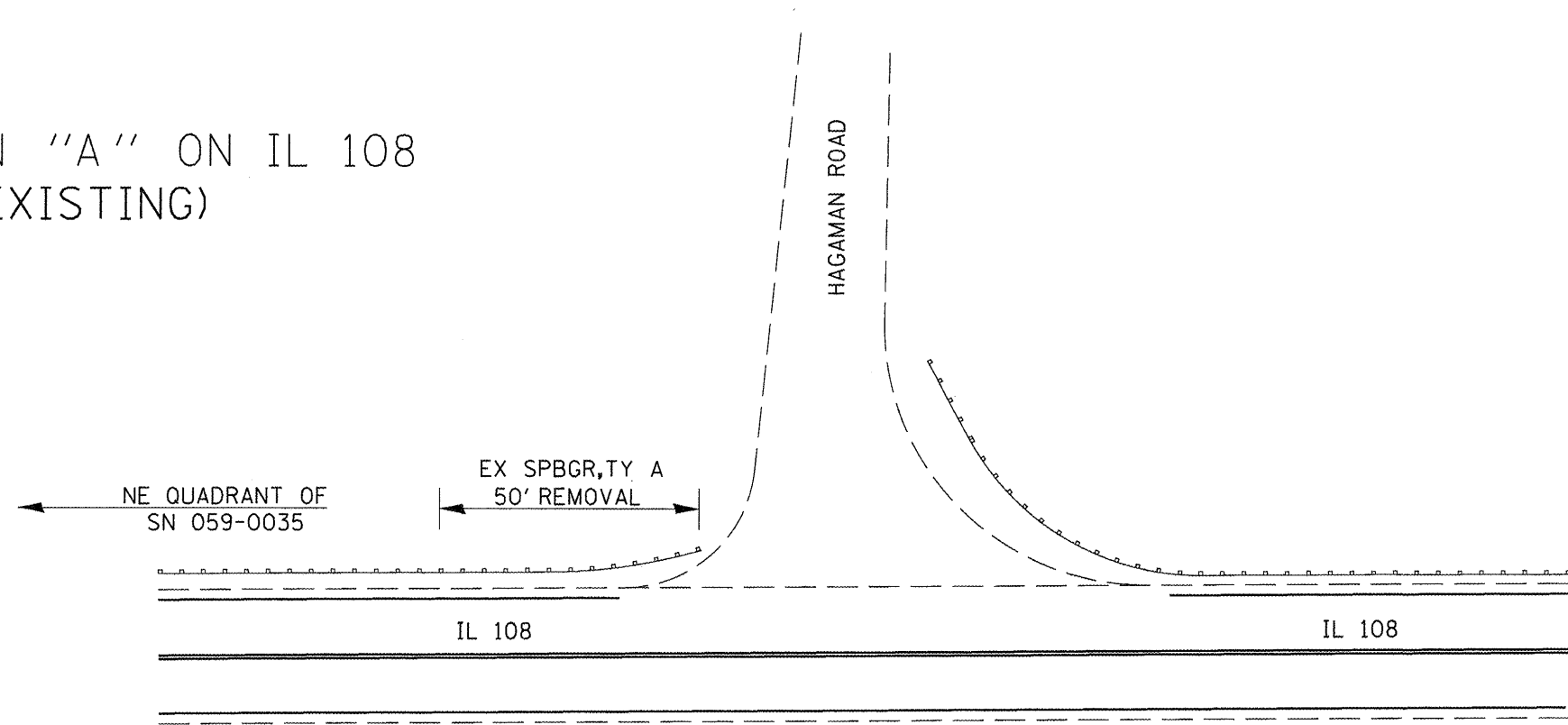
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

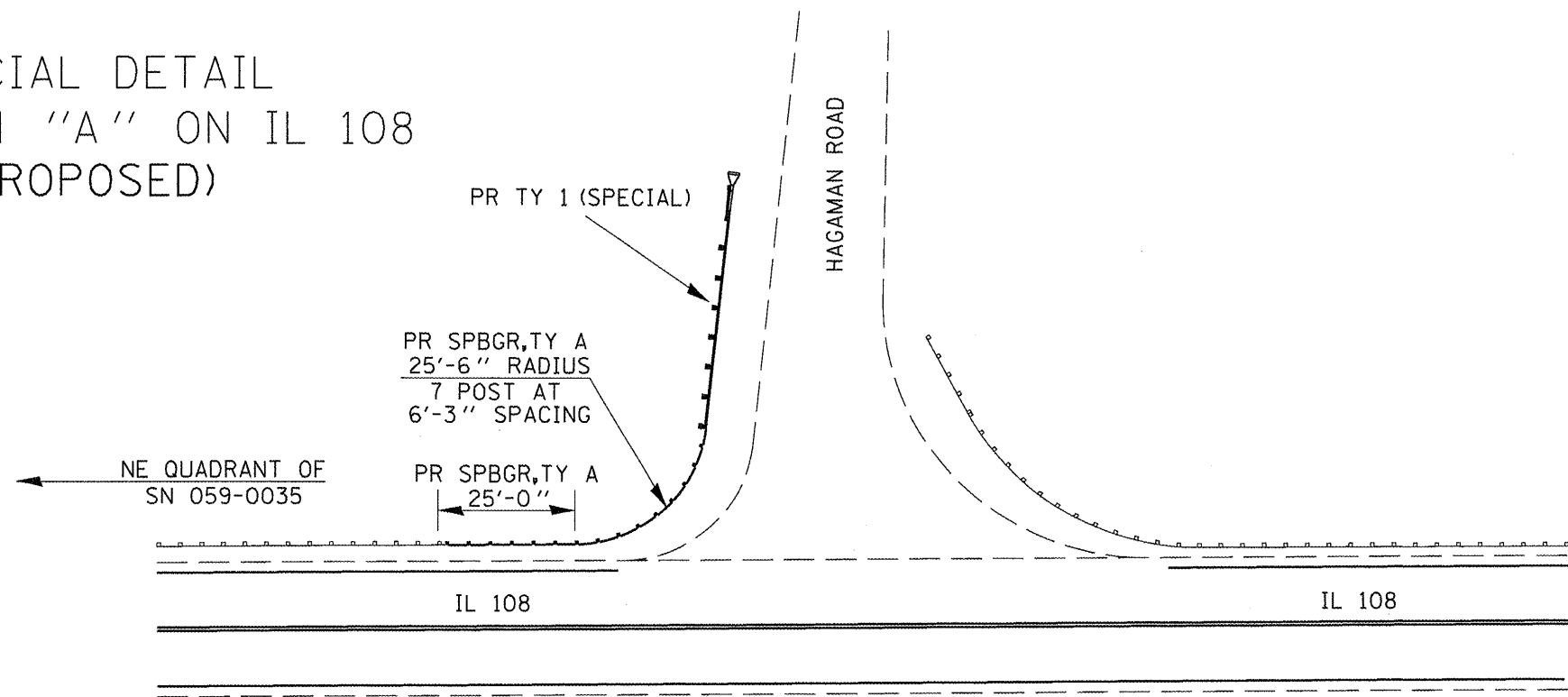
**D6 GUARDRAIL END REPL  
 GUARDRAIL DETAIL SHEETS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	13
CONTRACT NO. 72E07			ILLINOIS FED. AID PROJECT	

LOCATION "A" ON IL 108  
(EXISTING)



SPECIAL DETAIL  
LOCATION "A" ON IL 108  
(PROPOSED)



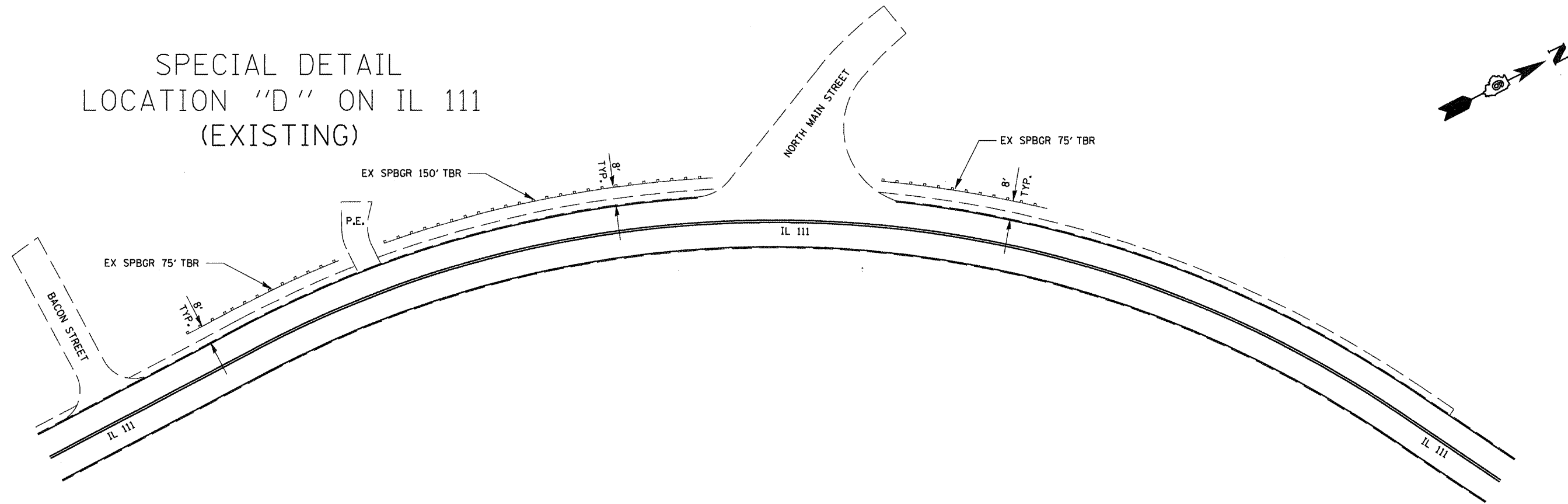
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

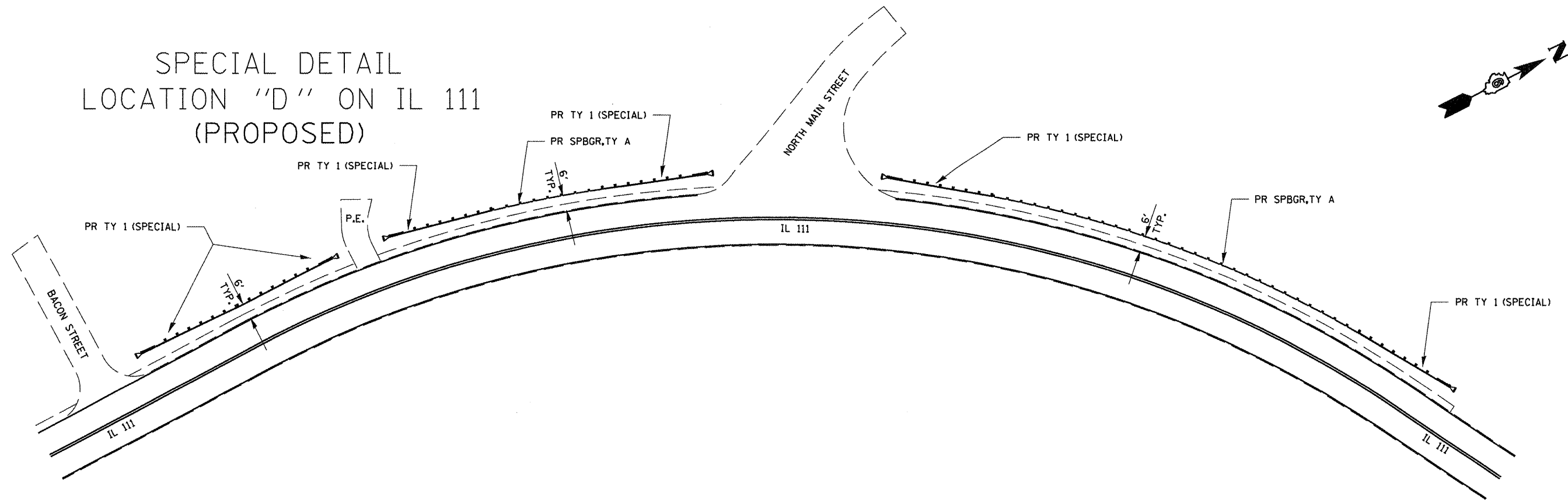
**D6 GUARDRAIL END REPL  
GUARDRAIL DETAIL SHEETS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	..	.	27	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72E07	

SPECIAL DETAIL  
LOCATION "D" ON IL 111  
(EXISTING)



SPECIAL DETAIL  
LOCATION "D" ON IL 111  
(PROPOSED)



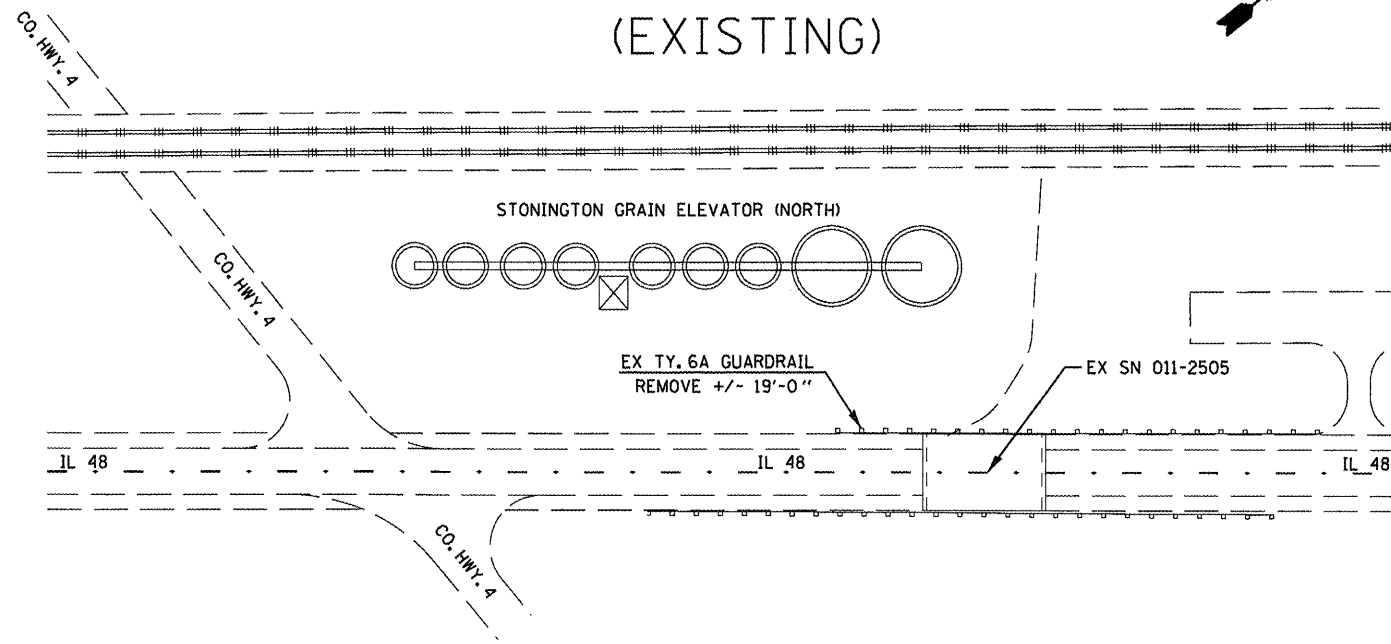
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

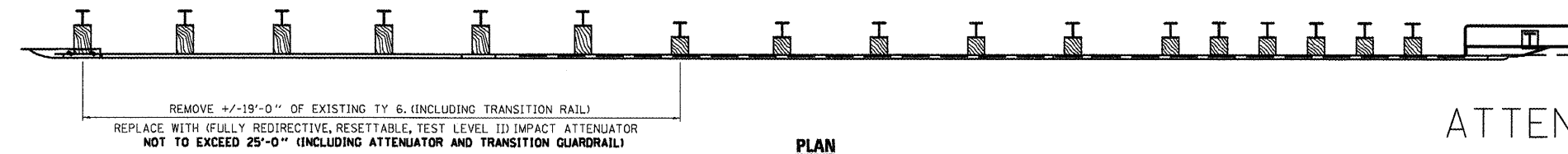
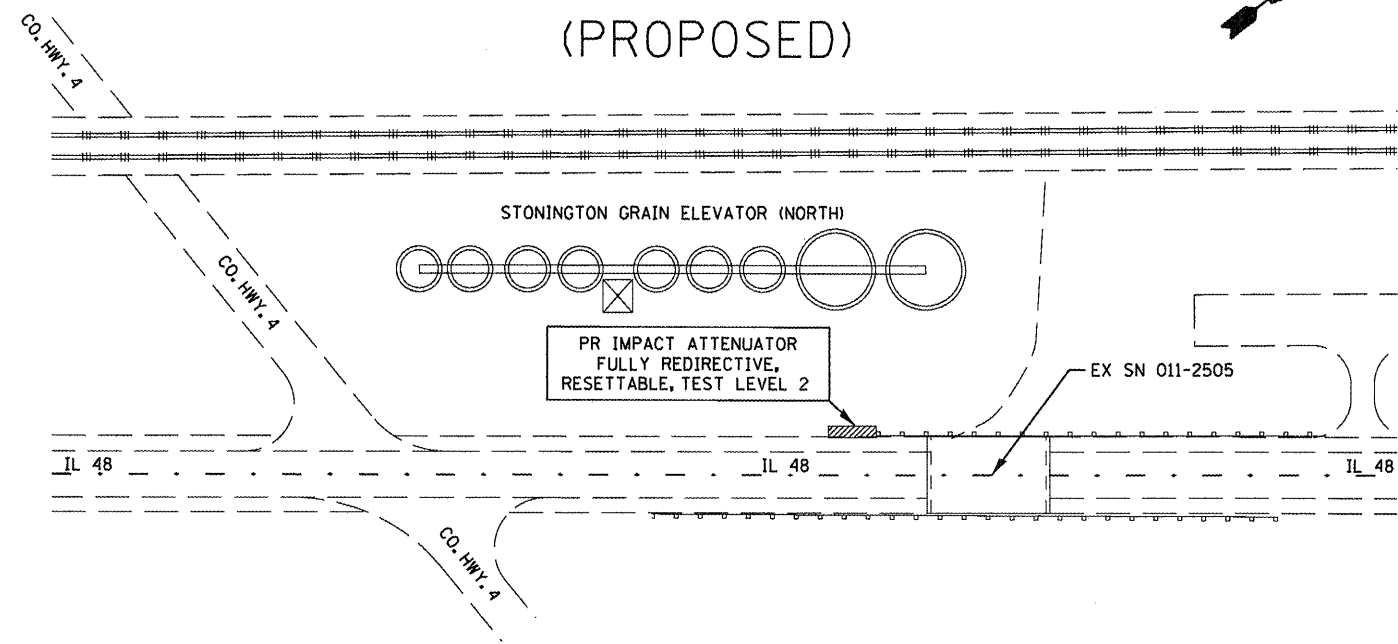
<b>D6 GUARDRAIL END REPL GUARDRAIL DETAIL SHEETS</b>			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	.	27	15
CONTRACT NO. 72E07				
ILLINOIS FED. AID PROJECT				

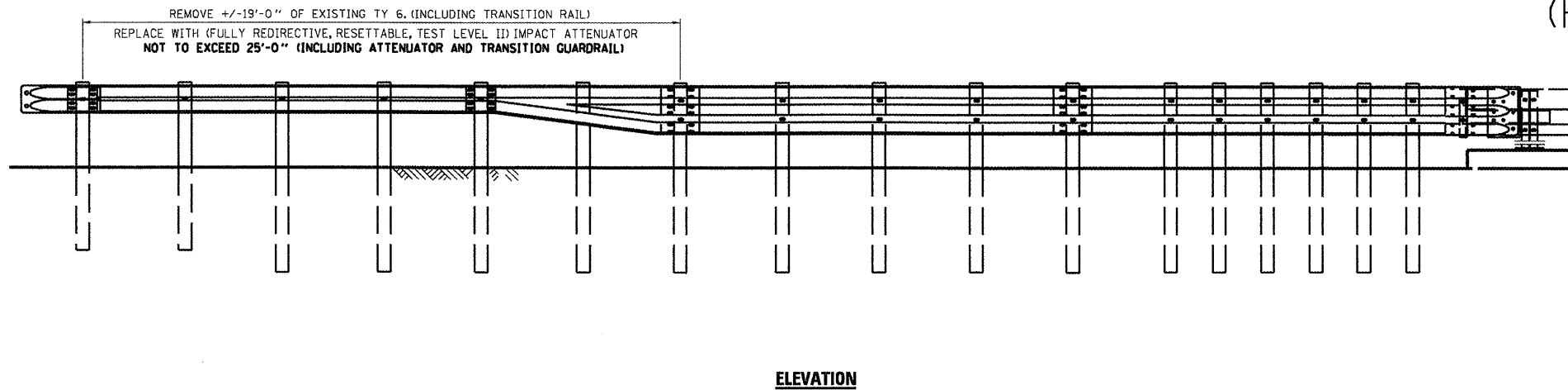
SPECIAL DETAIL  
LOCATION "R" ON IL 48  
(EXISTING)



SPECIAL DETAIL  
LOCATION "R" ON IL 48  
(PROPOSED)



ATTENUATOR DETAIL  
LOCATION "R" ON IL 48  
(PROPOSED)



**LOOKING TO THE NORTHWEST**

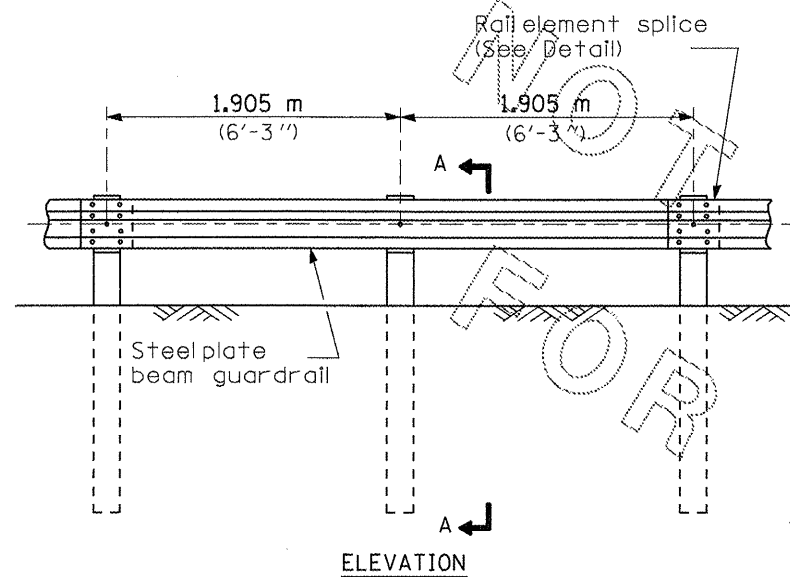
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

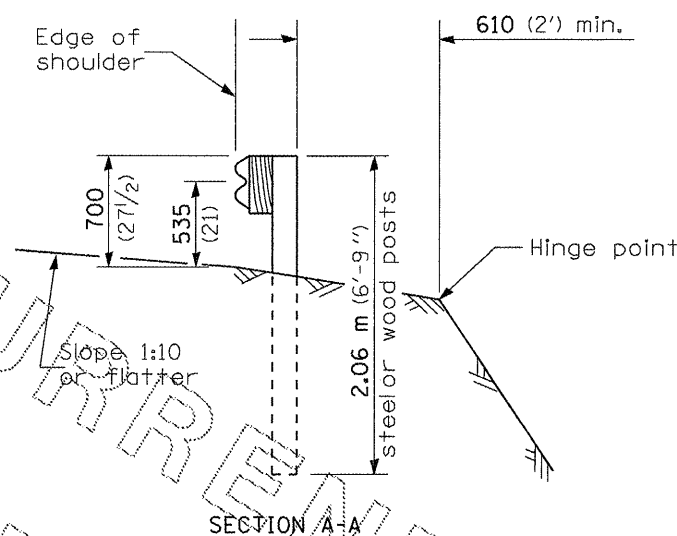
<b>D6 GUARDRAIL END REPL GUARDRAIL DETAIL SHEETS</b>			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	16
			CONTRACT NO. 72E07	
ILLINOIS FED. AID PROJECT				

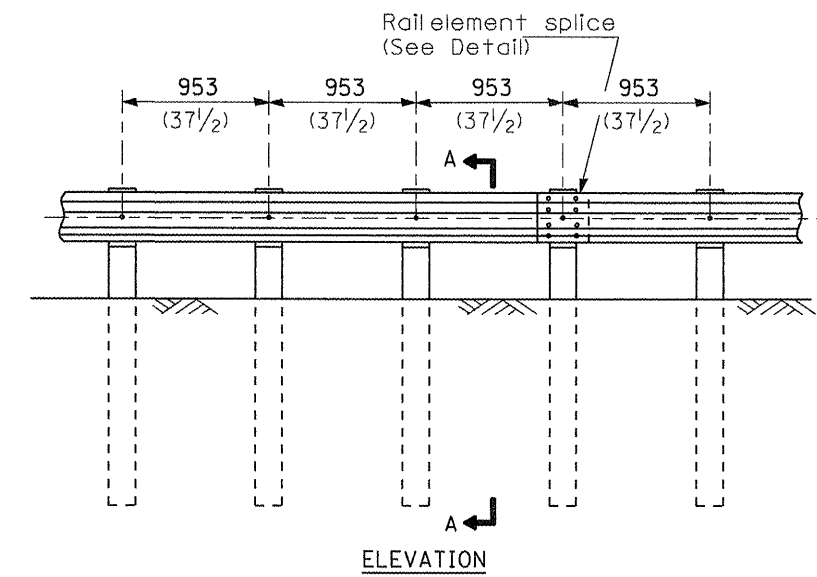




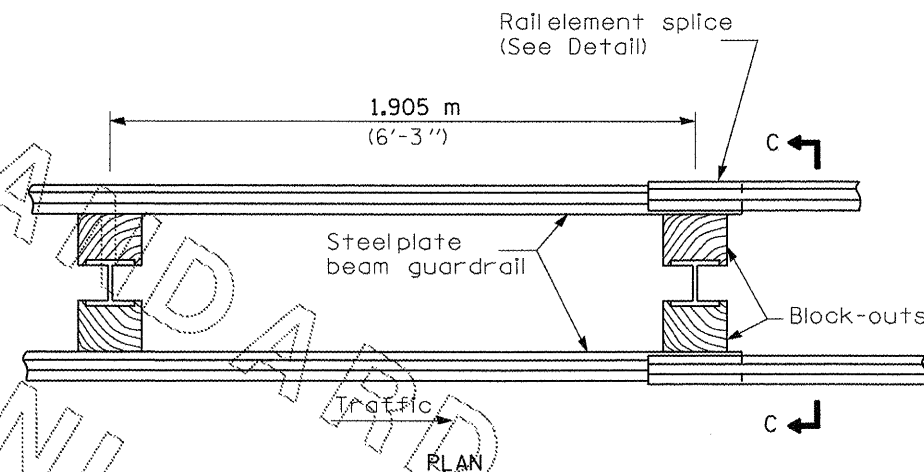
**TYPE A**  
1.905 m (6'-3") Typical post spacing



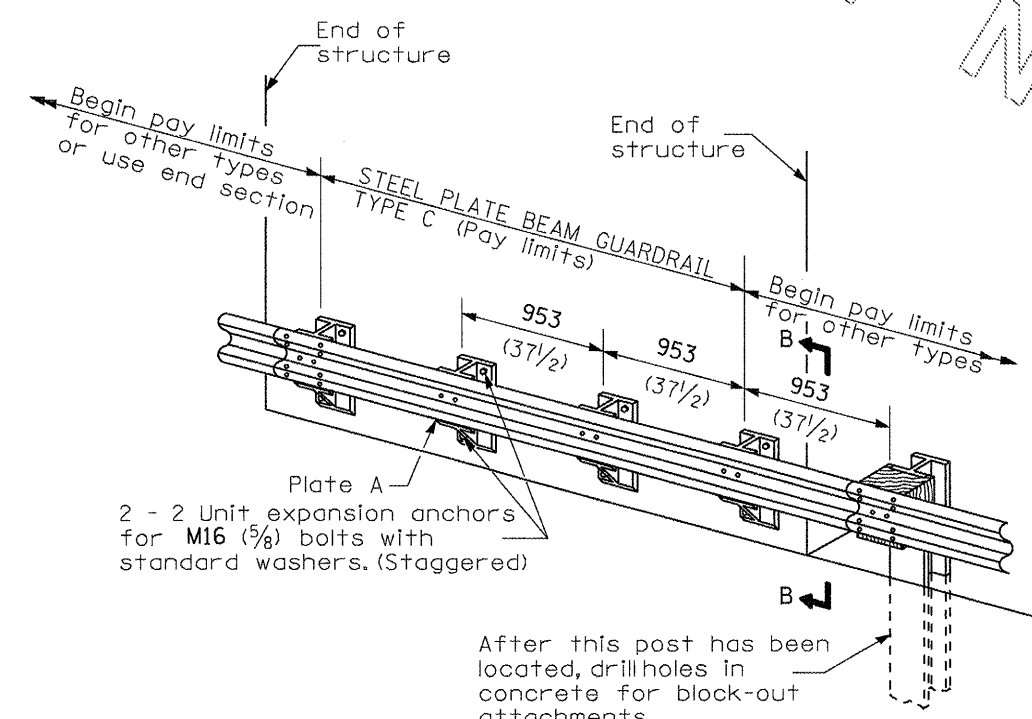
SECTION A-A



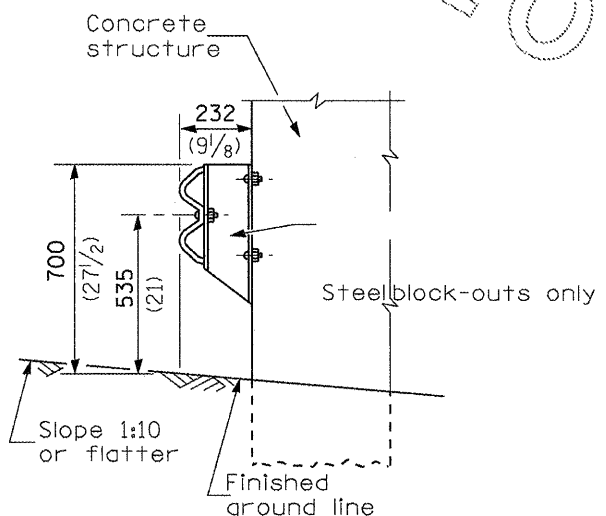
**TYPE B**  
953 (37 1/2) Closed post spacing



**TYPE D**  
Double steel plate beam guardrail  
1.905 m (6'-3") typical post spacing



**TYPE C**  
953 (37 1/2) Block-out spacing



SECTION B-B

**NOTE:**  
**THIS DETAIL SHALL BE USED FOR GUARDRAIL REPAIRS WHERE NEW STEEL PLATE BEAM GUARDRAIL AND TERMINAL SECTIONS WILL BE TIED INTO EXISTING STEEL PLATE BEAM GUARDRAIL AS WELL AS FOR REMOVING AND RE-ERECTING THE RAIL ELEMENT.**

**GENERAL NOTES**

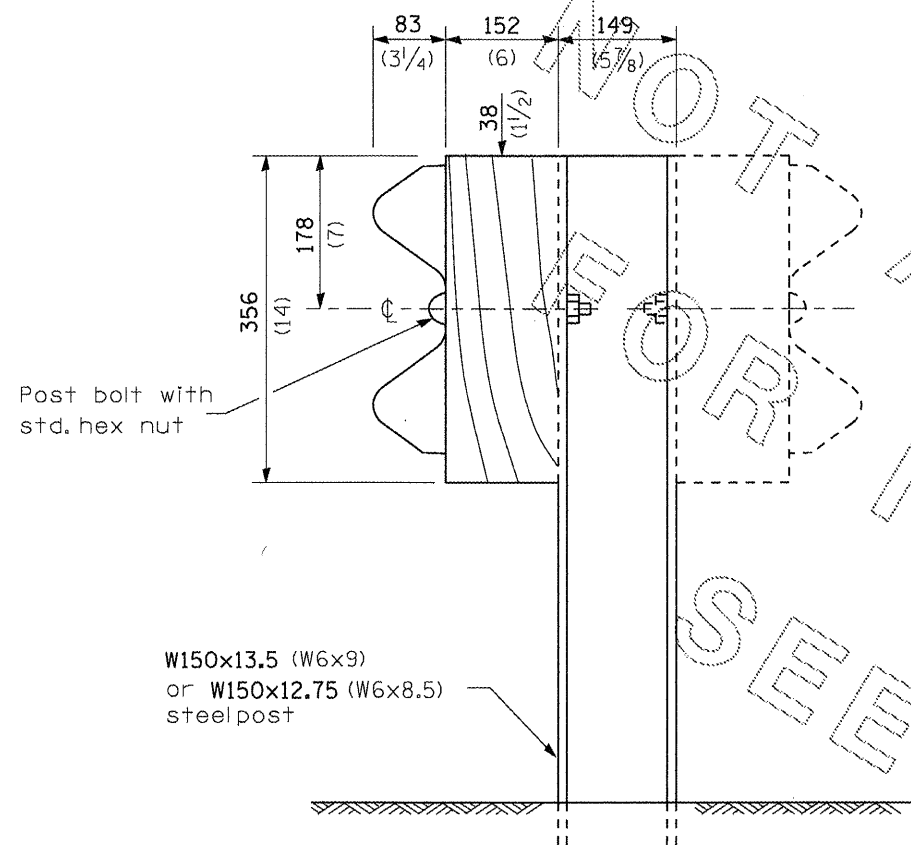
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).  
All dimensions are in millimeters (inches) unless otherwise shown.  
The existing steelposts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steelpost shall be provided.  
This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

FILE NAME =	USER NAME = laughlin-1	DESIGNED -	REVISED -
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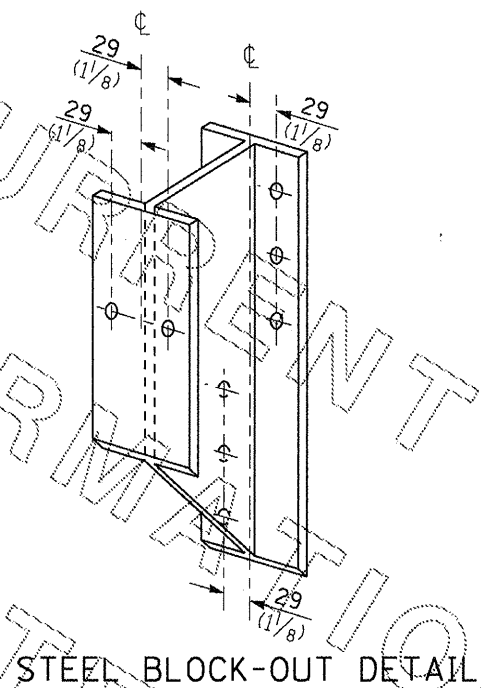
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**D6 GUARDRAIL END REPL  
GUARDRAIL MODIFICATION SHEETS**

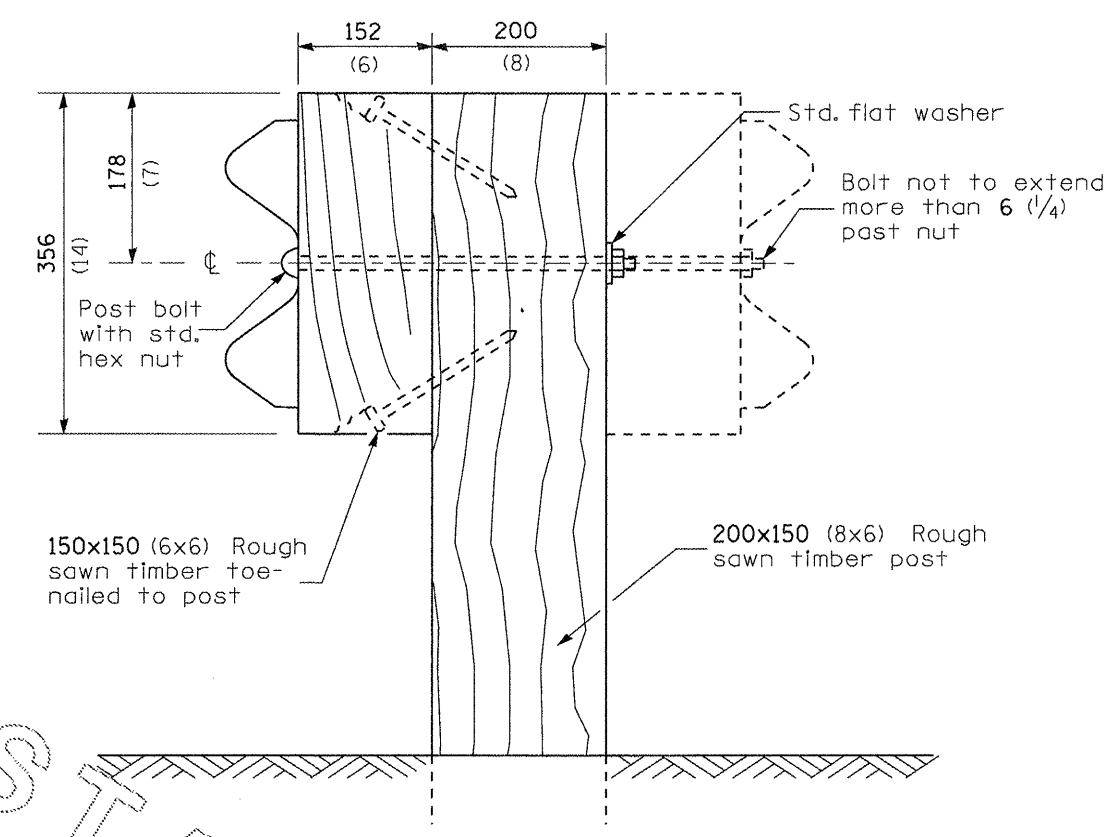
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	..	.	27	17
CONTRACT NO. 72E07			ILLINOIS FED. AID PROJECT	



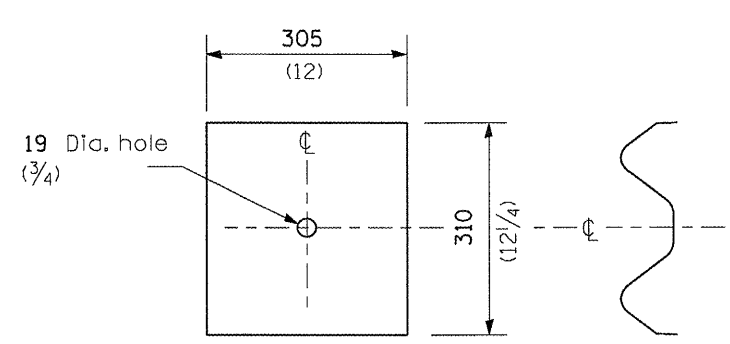
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



WOOD POST CONSTRUCTION

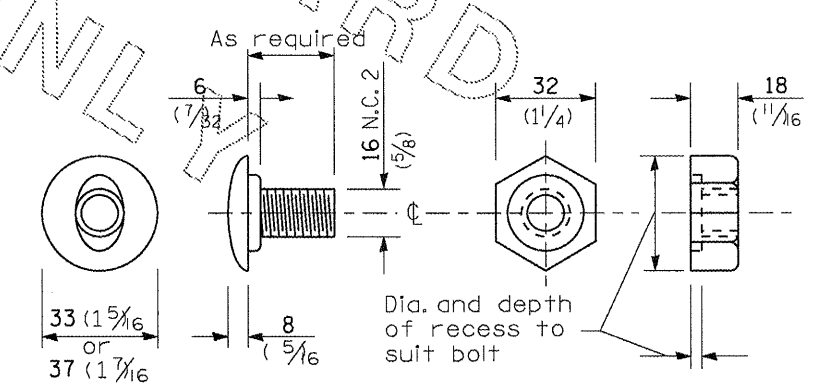


NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A

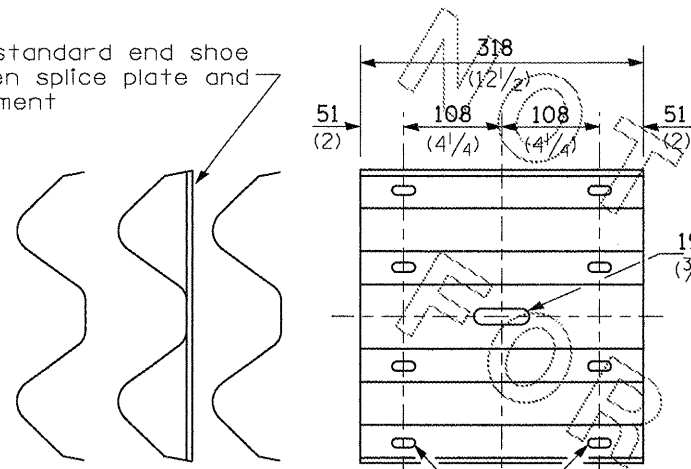
**NOTE:**  
 THIS DETAIL SHALL BE USED FOR GUARDRAIL REPAIRS WHERE NEW STEEL PLATE BEAM GUARDRAIL AND TERMINAL SECTIONS WILL BE TIED INTO EXISTING STEEL PLATE BEAM GUARDRAIL AS WELL AS FOR REMOVING AND RE-ERECTING THE RAIL ELEMENT.



POST OR SPLICE BOLT & NUT

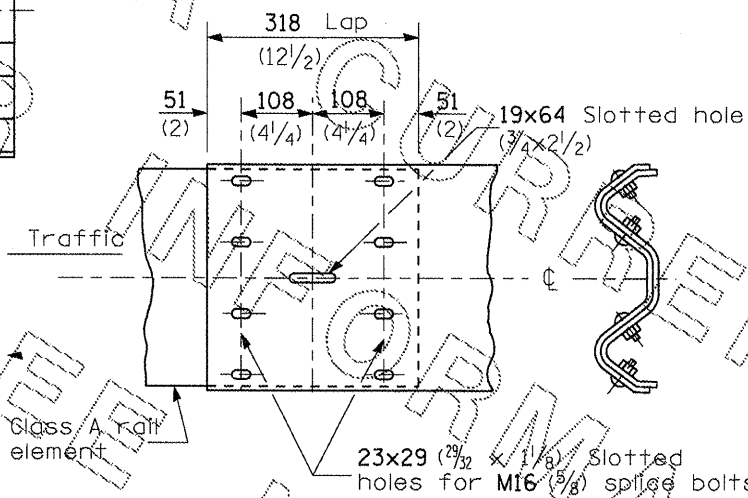
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c:\pwork\pwork\laughlinr1\d0240307\067	ZE07-ght-guardrail-modification.dgn	DRAWN -	REVISED -					VAR.	..	.	27	18
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	PLOT DATE = Dec-16-2010 09:47:24AM	DATE	REVISED -		ILLINOIS FED. AID PROJECT							

Place standard end shoe between splice plate and rail element



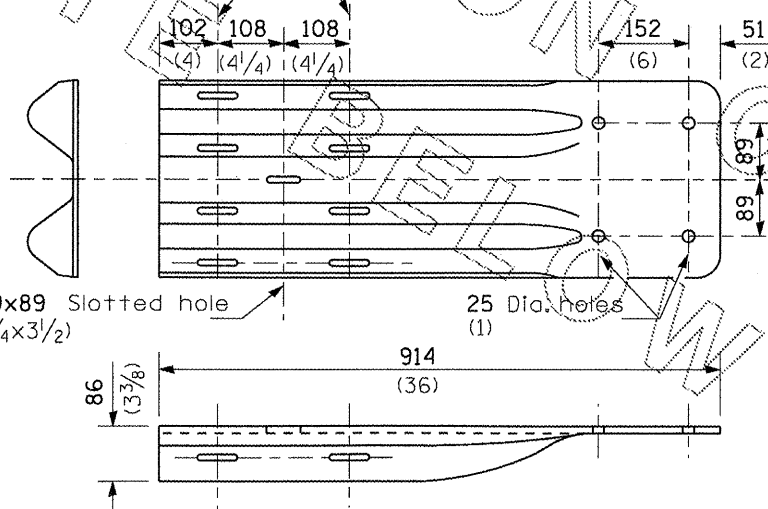
23x29 Slotted holes  
(2 3/8 x 1 1/8)

**SPLICE PLATE**



**RAIL ELEMENT SPLICE**

23x76 (7/8 x 3) Slots for splice bolts with std. galv. washer placed under locknut



NOTE

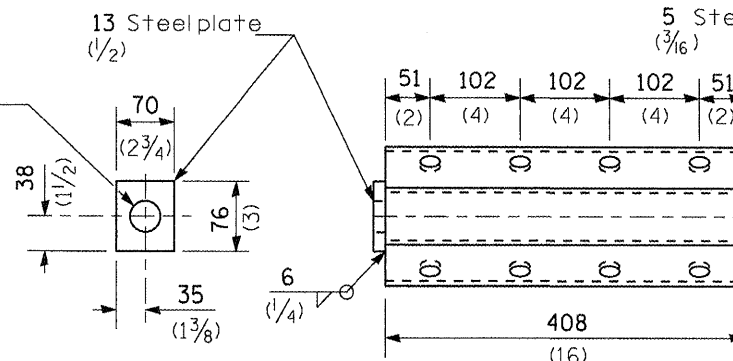
When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

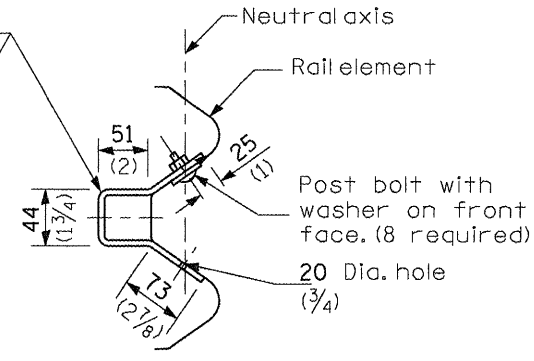
Externally threaded studs protruding from the surface of the concrete will not be permitted.

**END SHOE**

33 Dia. hole (1 5/16)



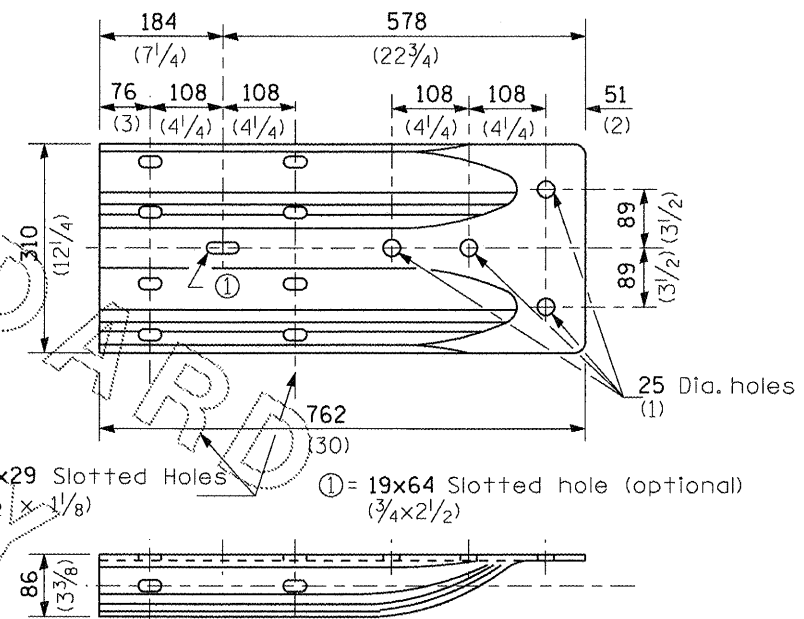
5 Steelplate (3/16)



NOTE

Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

**ANCHOR PLATE T DETAILS**



23x29 Slotted Holes (2 3/8 x 1 1/8)

① = 19x64 Slotted hole (optional) (3/4 x 2 1/2)

**ALTERNATE END SHOE**

NOTE:

**THIS DETAIL SHALL BE USED FOR GUARDRAIL REPAIRS WHERE NEW STEEL PLATE BEAM GUARDRAIL AND TERMINAL SECTIONS WILL BE TIED INTO EXISTING STEEL PLATE BEAM GUARDRAIL AS WELL AS FOR REMOVING AND RE-ERECTING THE RAIL ELEMENT.**

FILE NAME =  
c:\pwork\pwork\leughlin\1\0240307\06

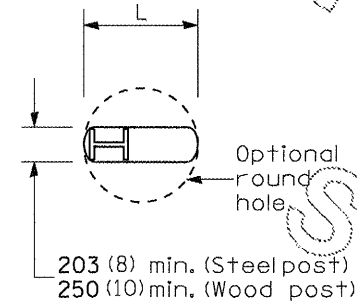
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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

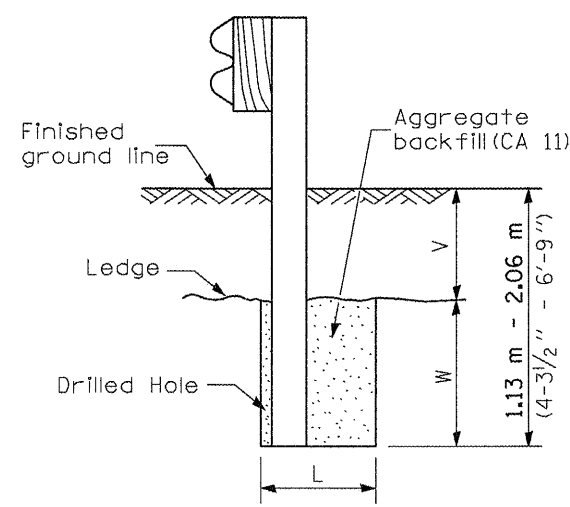
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**D6 GUARDRAIL END REPL  
GUARDRAIL MODIFICATION SHEETS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	19
CONTRACT NO. 72E07			ILLINOIS FED. AID PROJECT	



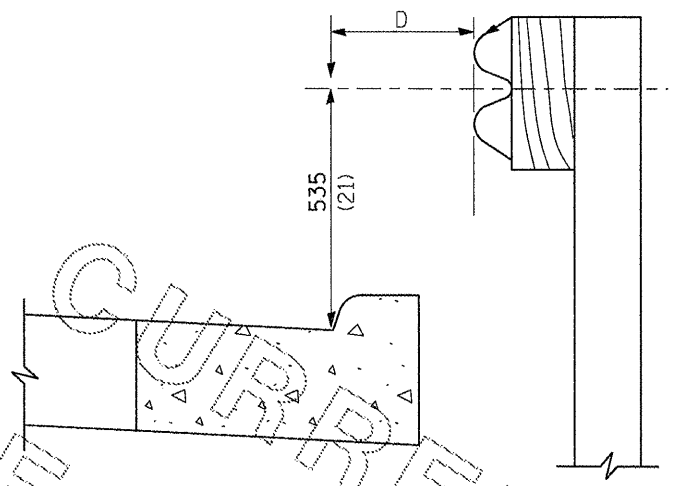
PLAN



ELEVATION

**FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED**

Note:  
Ledge line is top of rock ledge or hard slag fill.



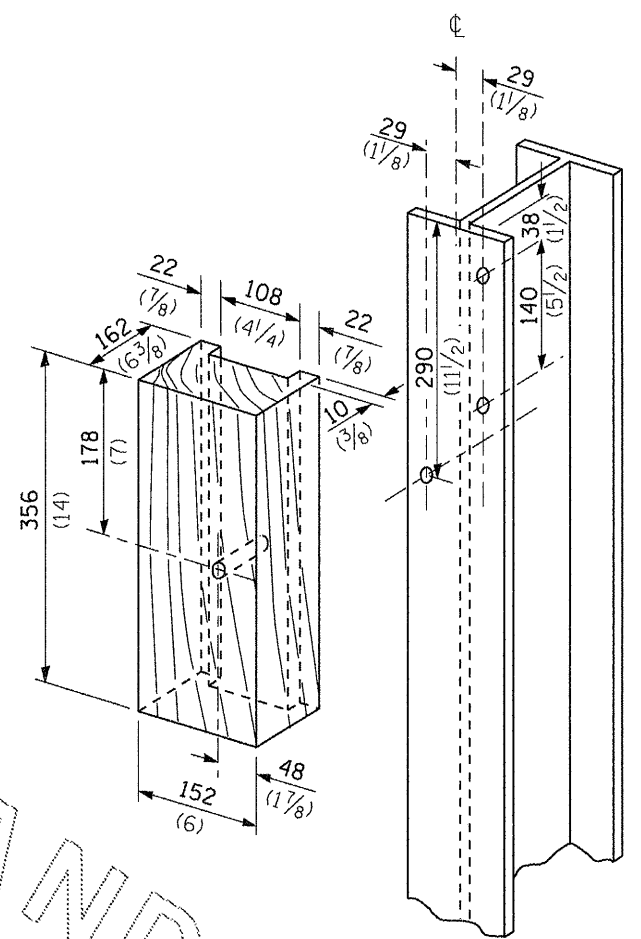
Note:  
If it is necessary for D to be more than 300 (12) and less than 3.0 m (10'-0") type M-5 (M-2) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

**GUARDRAIL PLACED BEHIND CURB**

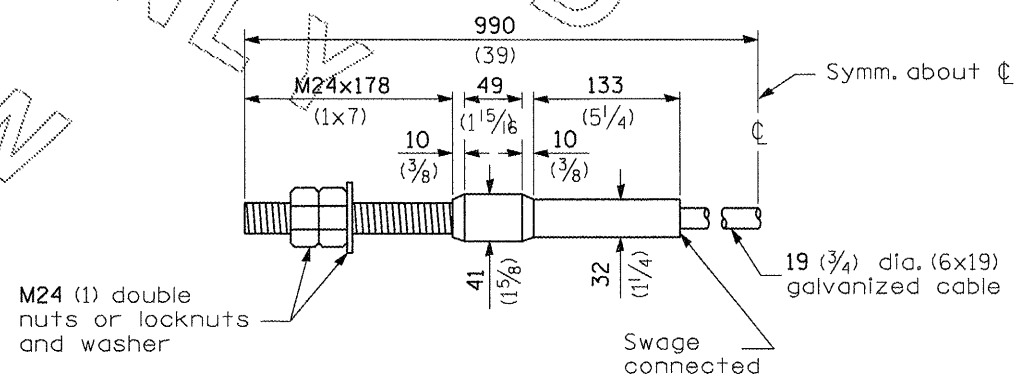
(D = 0 desirable to 300 (12) maximum)

V		L	
		Steel Post	Wood Post
0 - 460 (0 - 18)	610 (24)	530 (21)	580 (23)
>460 - 825 (>18 - 41.5)	305 (12)	203 (8)	250 (10)
>825 - 1.13 m (>41.5 - 53.5)	305 - 0 (12 - 0)	203 (8)	250 (10)

**NOTE:**  
THIS DETAIL SHALL BE USED FOR GUARDRAIL REPAIRS WHERE NEW STEEL PLATE BEAM GUARDRAIL AND TERMINAL SECTIONS WILL BE TIED INTO EXISTING STEEL PLATE BEAM GUARDRAIL AS WELL AS FOR REMOVING AND RE-ERECTING THE RAIL ELEMENT.



**WOOD BLOCK-OUT AND STEEL POST DETAILS**



**CABLE ASSEMBLY**

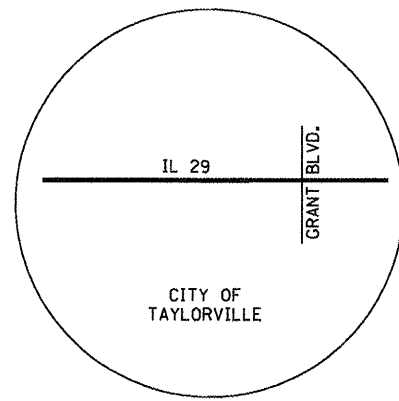
(18,100 (40,000 lbs.) min. breaking strength)  
Tighten to taut tension.

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
c:\pwork\pwork\laughlinr1\d0248307\06	2E07-shit-guardrail-modification.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -
PLOT DATE = Dec-16-2010 09:47:25AM	DATE -	REVISED -	REVISED -

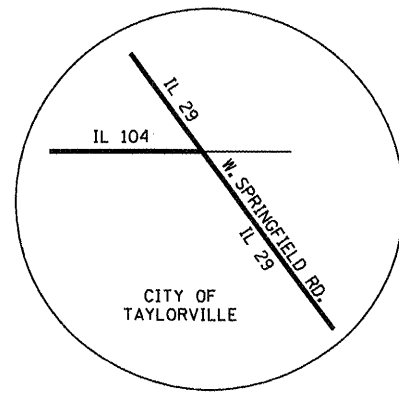
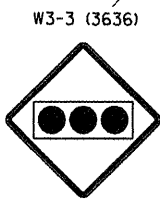
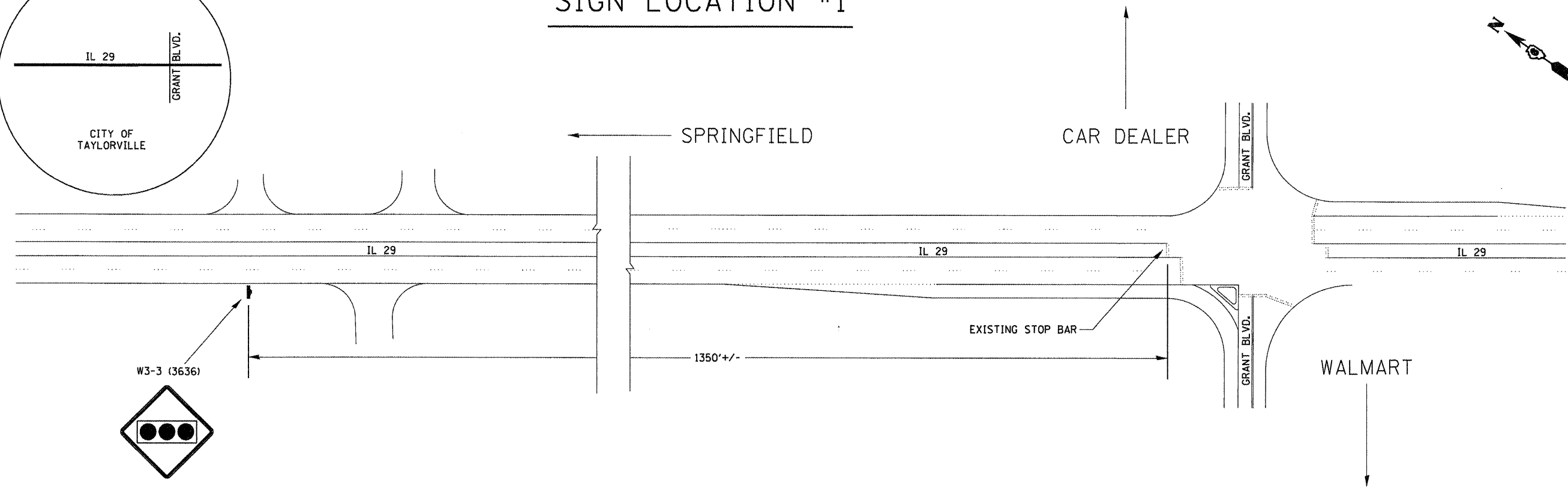
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>D6 GUARDRAIL END REPL GUARDRAIL MODIFICATION SHEETS</b>			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

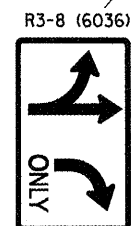
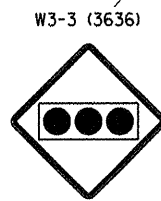
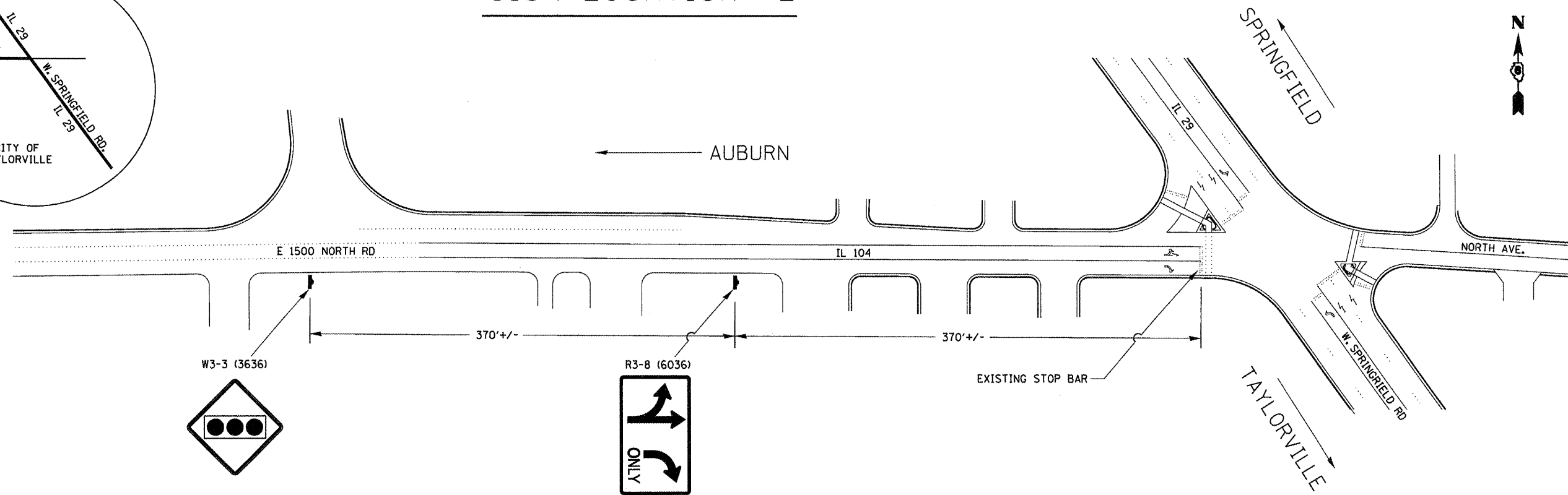
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**		27	20
CONTRACT NO. 72E07			ILLINOIS FED. AID PROJECT	



### SIGN LOCATION #1



### SIGN LOCATION #2

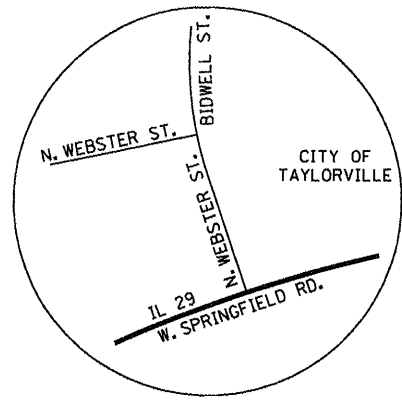


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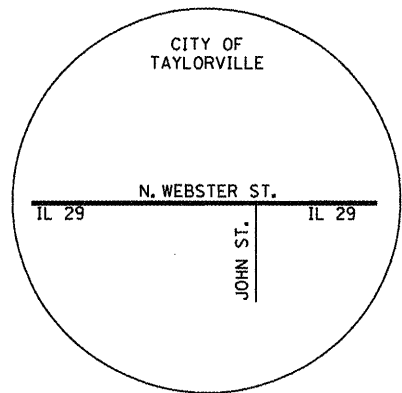
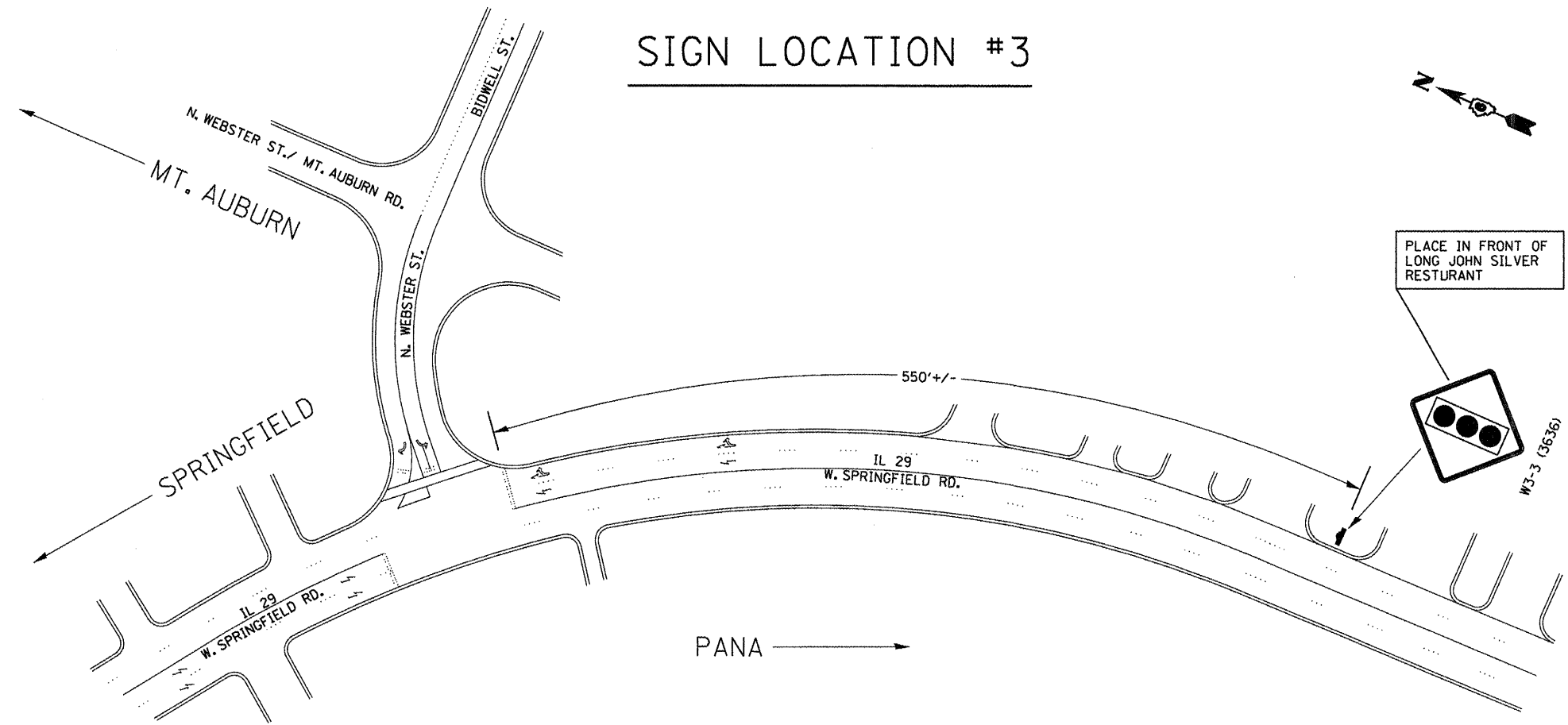
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>D6 GUARDRAIL END REPL SIGN LOCATION &amp; DETAIL SHEETS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

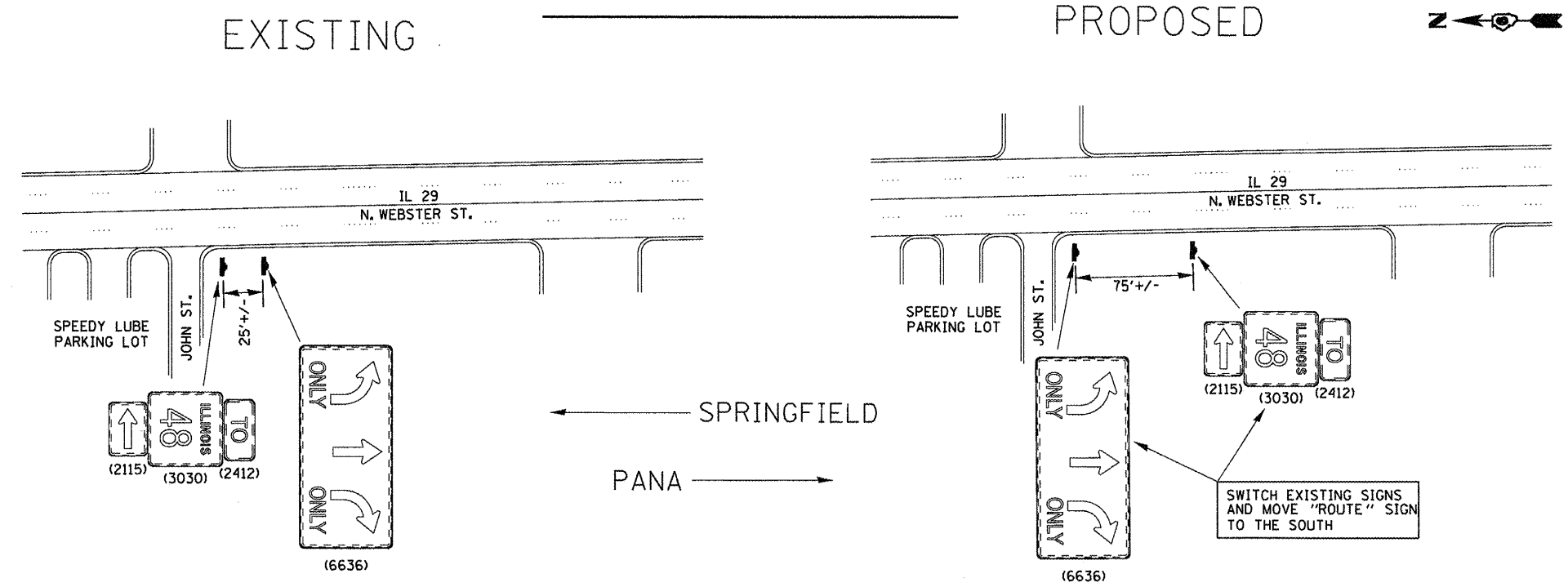
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	21
CONTRACT NO. 72E07				
ILLINOIS FED. AID PROJECT				



### SIGN LOCATION #3



### SIGN LOCATION #4



FILE NAME =  
 c:\pwork\pwork\laughlin\1\0240307\067

USER NAME = laughlin1  
 Z2E07-sht-sign-location-details.dgn  
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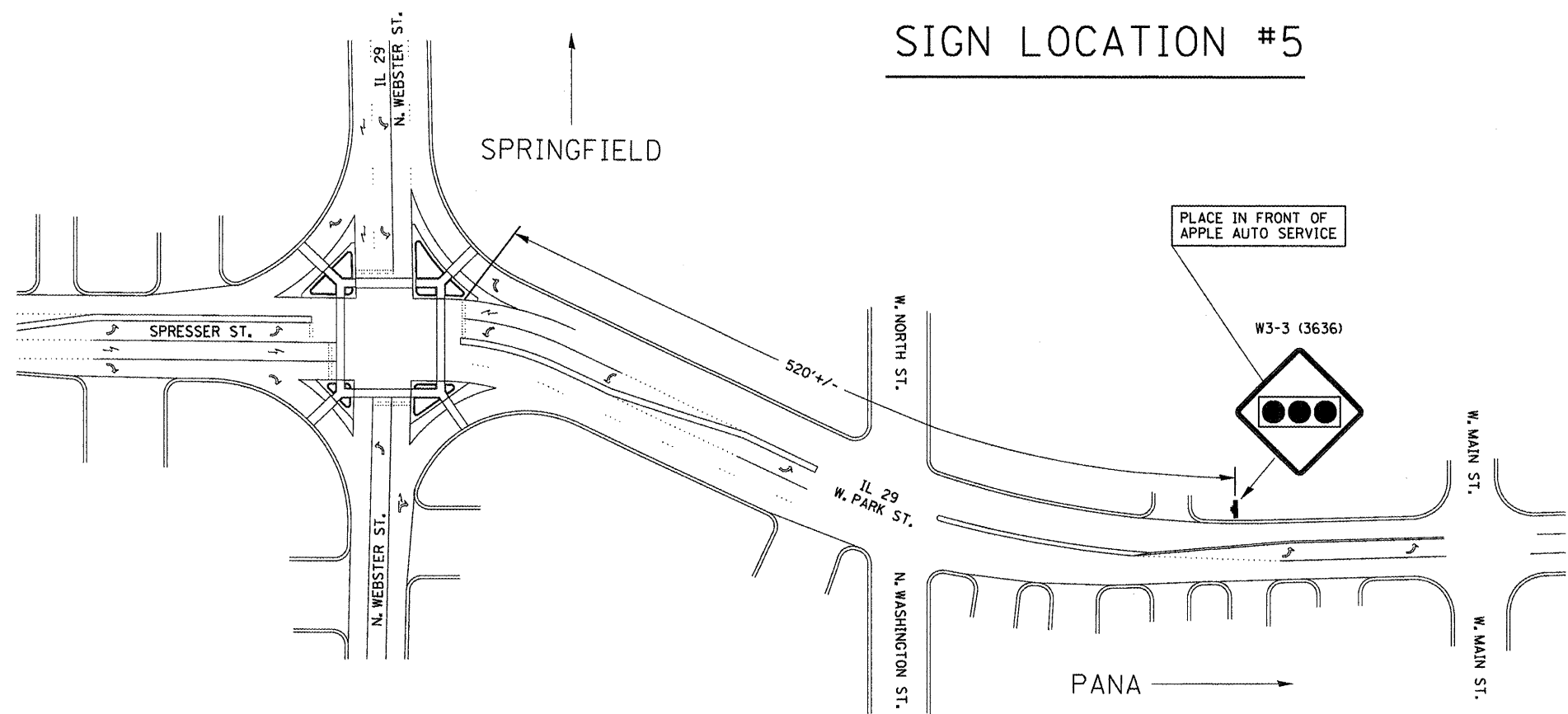
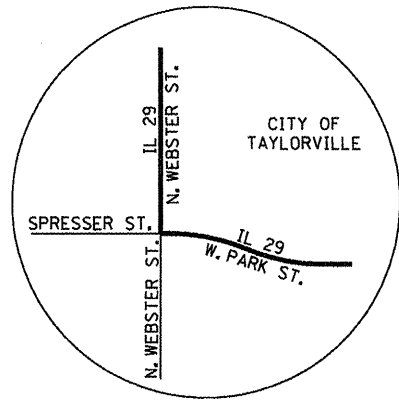
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

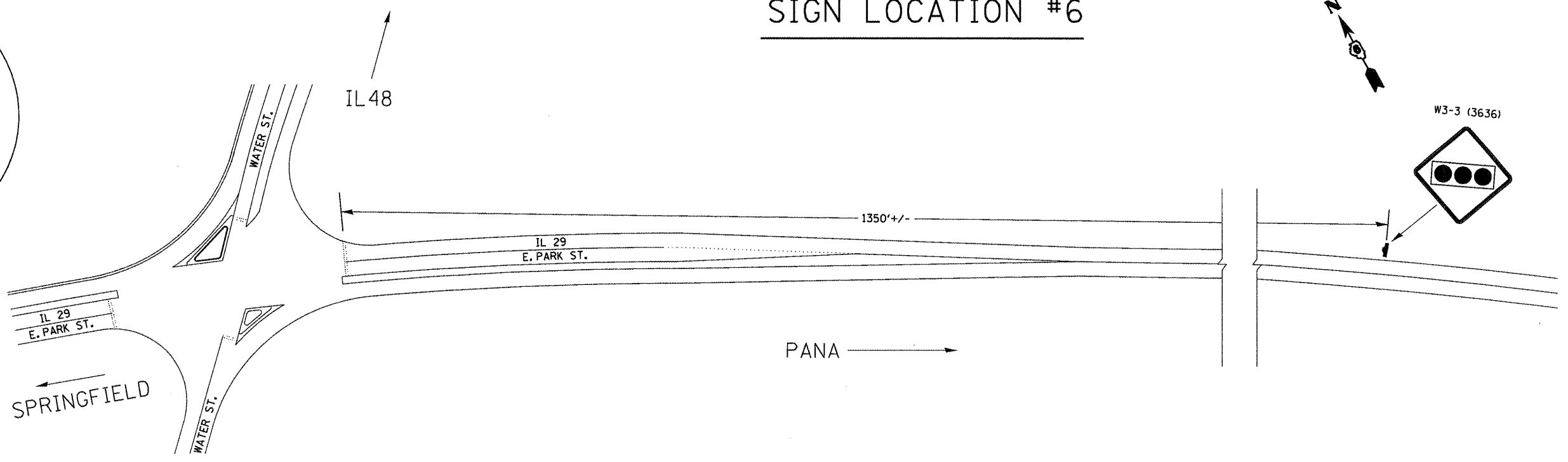
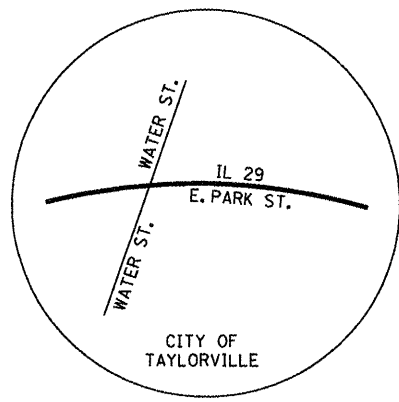
**D6 GUARDRAIL END REPL  
 SIGN LOCATION & DETAIL SHEETS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. T2E07	



**SIGN LOCATION #5**



**SIGN LOCATION #6**



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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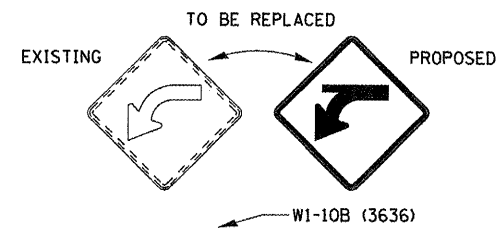
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>D6 GUARDRAIL END REPL SIGN LOCATION &amp; DETAIL SHEETS</b>			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	..	.	27	23
CONTRACT NO. 72E07				
ILLINOIS FED. AID PROJECT				

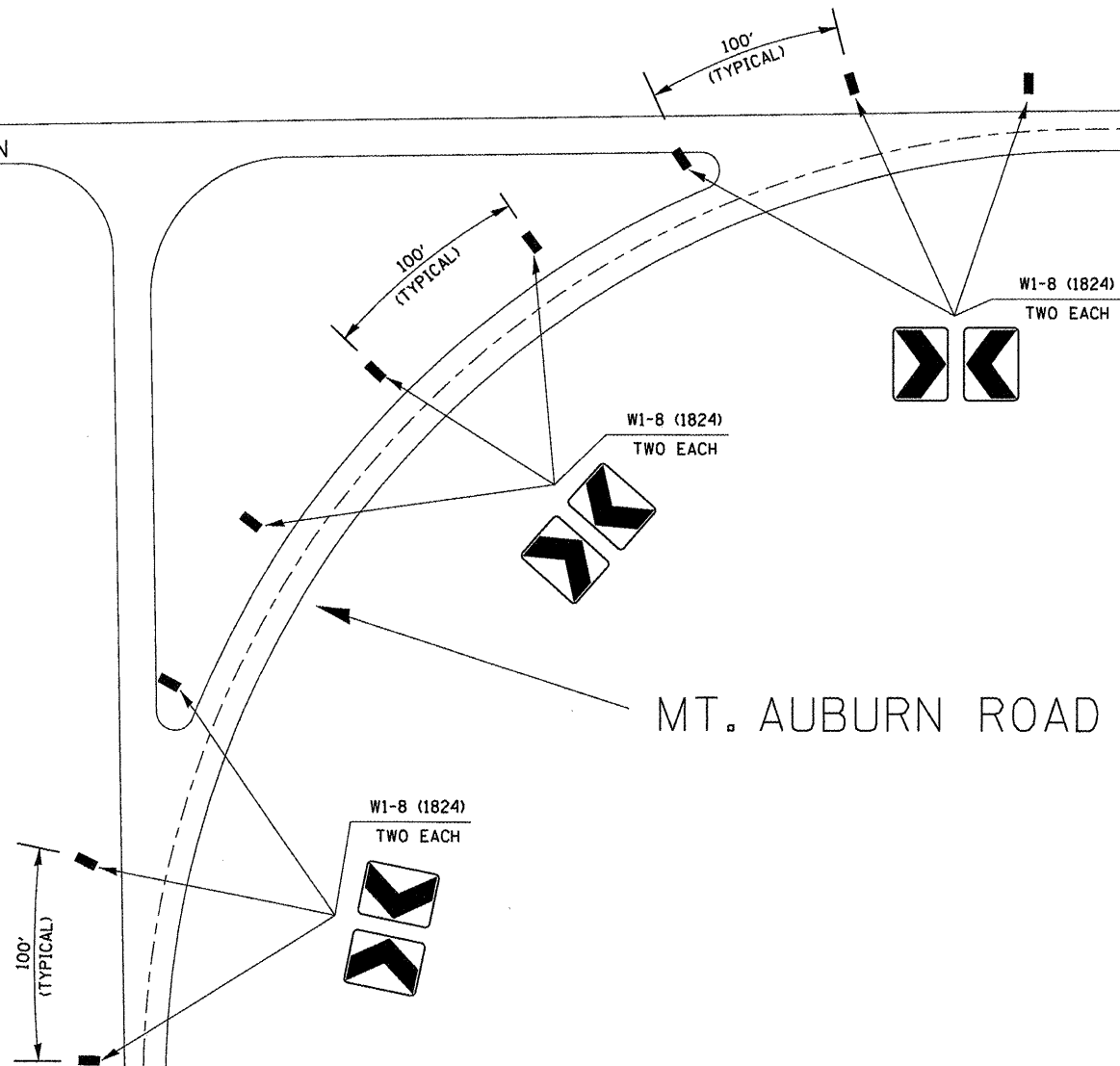
CURVE #1

SIGN LOCATION #7

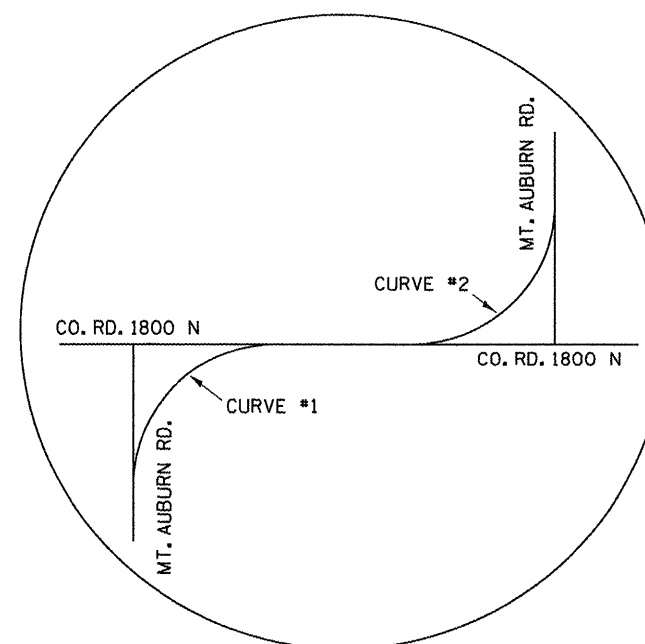
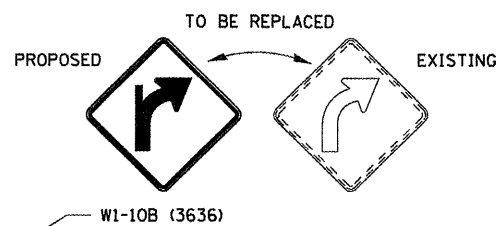


CO. RD. 1800 N

MT. AUBURN



MT. AUBURN ROAD



FILE NAME =	USER NAME = laughtn1	DESIGNED -	REVISED -
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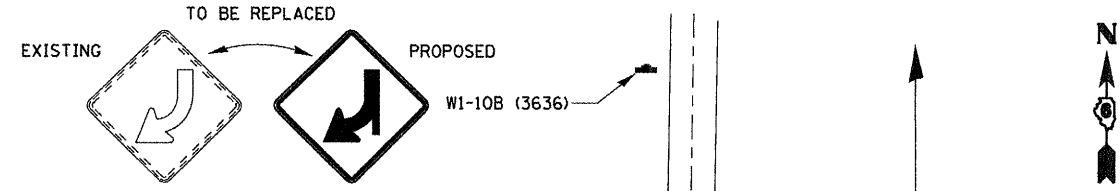
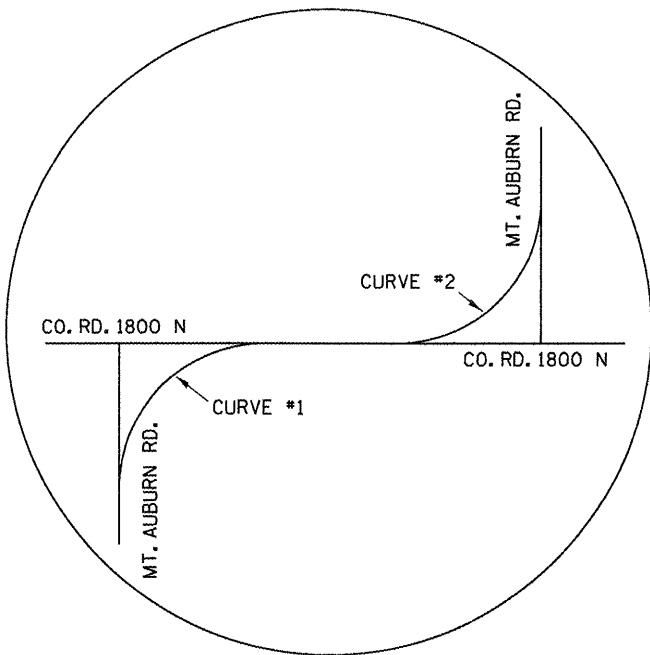
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>D6 GUARDRAIL END REPL SIGN LOCATION &amp; DETAIL SHEETS</b>			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A.P. RTE. VAR.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**		27	24
CONTRACT NO. 72E07			ILLINOIS FED. AID PROJECT	

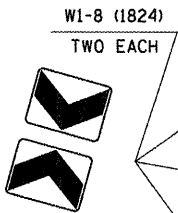
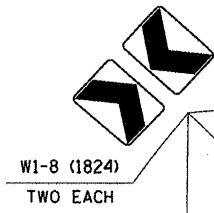
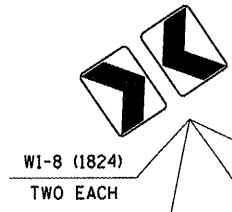
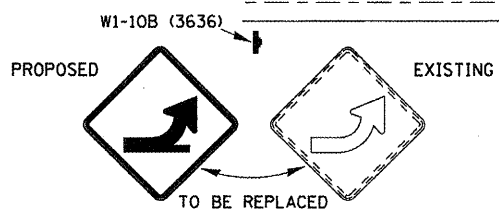


# SIGN LOCATION #8



TAYLORVILLE ←

↑ MT. AUBURN



CURVE #2

CO. RD. 1800 N

FILE NAME =	USER NAME = laughlinc1	DESIGNED -	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

D6 GUARDRAIL END REPL			
SIGN LOCATION & DETAIL SHEETS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	..	.	27	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72E07	

CURVE #3

EXISTING SIGNS  
W1-8 (1824)

EXISTING TO BE REPLACED PROPOSED  
W1-10B (3636)

SIGN LOCATION #9

CO. RD. 2450 N



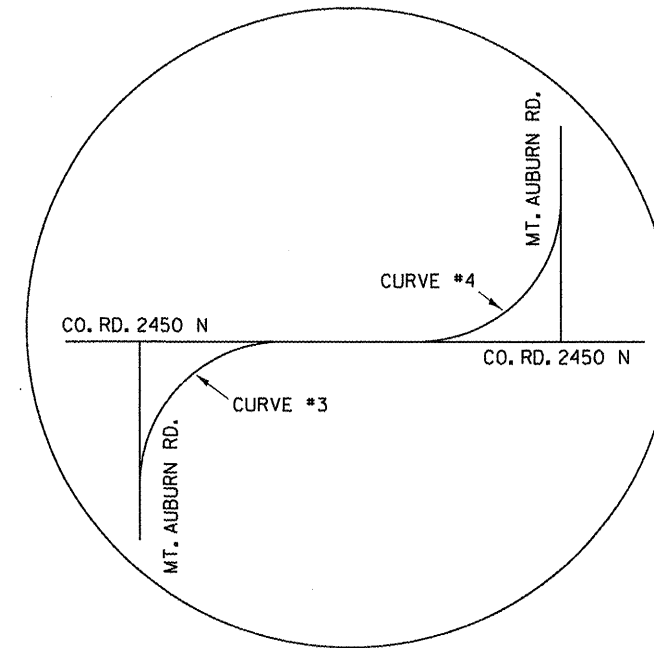
MT. AUBURN →

MT. AUBURN ROAD

EXISTING SIGNS  
W1-8 (1824)

TAYLORVILLE

PROPOSED TO BE REPLACED EXISTING  
W1-10B (3636)



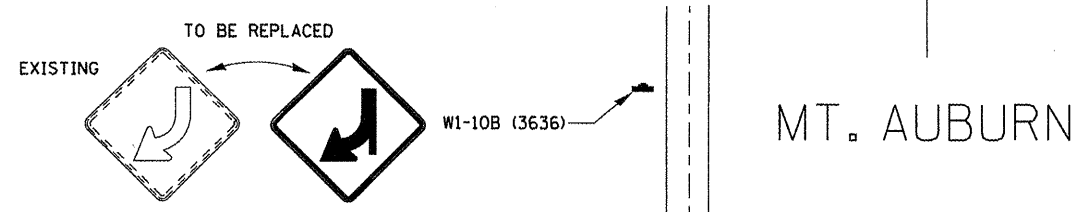
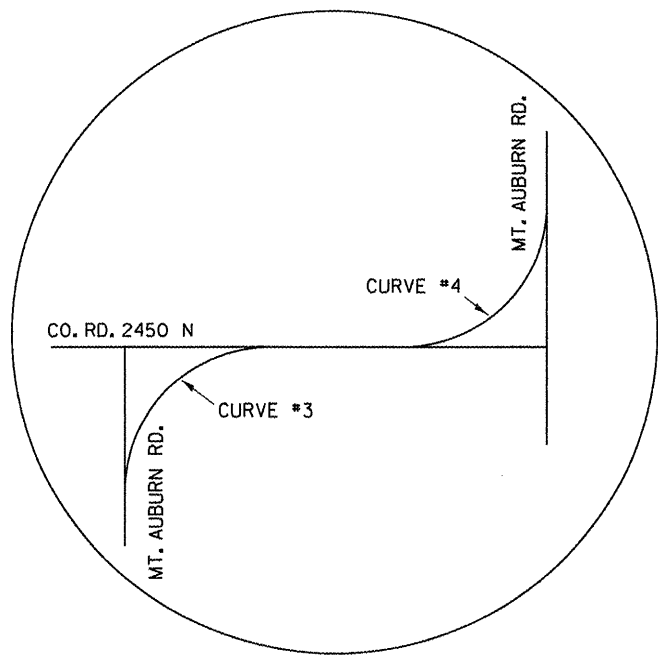
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>D6 GUARDRAIL END REPL SIGN LOCATION &amp; DETAIL SHEETS</b>			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72E07	

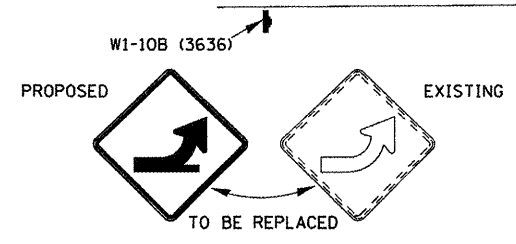
# SIGN LOCATION #10



MT. AUBURN

MT. AUBURN ROAD

TAYLORVILLE



CURVE #4

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
c:\pwwork\pndat\laughlinr1\0248387\06	72E07-sht-sign-location-details.dgn	DRAWN -	REVISED -
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	PLLOT DATE = Dec-16-2010 09:47:47AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>D6 GUARDRAIL END REPL SIGN LOCATION &amp; DETAIL SHEETS</b>			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	27	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72E07	