STATE OF ILLINOIS

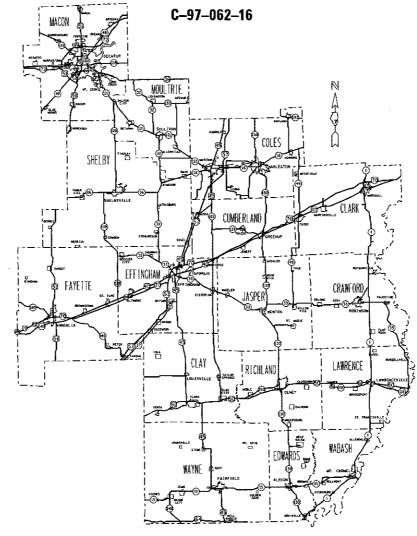
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

VARIOUS COUNTIES
SECTION D7 GUARDRAIL 2017-1

TYPE of IMPROVEMENT MAINTENANCE DISTRICT WIDE COUNTIES



GROSS LENGTH = x.xx FT. = x.xxx MILE NET LENGTH = x.xx FT. = x.xxx MILE

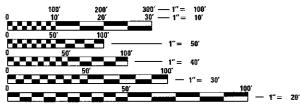
FOR INDEX OF SHEETS, SEE SHEET NO. 2

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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 ROB MACKLIN
PROJECT MANAGER LYNN McCLELLAN

CONTRACT NO. 74767

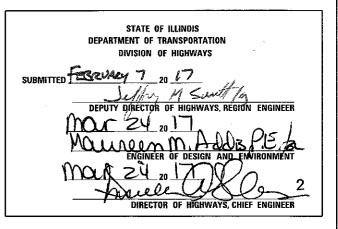
A. SECTION COUNTY TOTAL SHEET NO.

D7 GUARDRAIL 2017-1 VARIOUS 6 1

| ILLINOIS CONTRACT NO. 74767

D-97-031-16





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GENERAL NOTES

THIS PROJECT IS LOCATED ON VARIOUS ROUTES IN VARIOUS COUNTIES ALL LOCATED WITHIN REGION 4-DISTRICT 7. THE WORK INCLUDED IN THIS SECTION CONSISTS OF VARIOUS TYPES OF GUARDRAIL REPAIR AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

ALL WORK IS TO BE REPLACED IN KIND OR, AS INDICATED ON THE CONTRACT PLANS OR PROVISIONS.

THE LOCATIONS OF THE REPAIR AREAS WILL BE DETERMINED BY THE ENGINEER.

GUARDRAIL WORK SHALL INCLUDE ALIGNMENT AS NECESSARY TO RESTORE THE RAIL TO THE ORIGINAL CONDITIONS.

BEFORE ORDERING THE IMPACT ATTENUATORS, THE CONTRACTOR MUST CONTACT THE RESIDENT ENGINEER TO RECEIVE APPROVAL OF THE PROPOSED INSTALLATION.

REMOVAL OF DAMAGED MATERIALS SHALL INCLUDE DISMANTLING, LOADING, HAULING AND DISPOSAL. THE WORK SITE SHALL BE LEFT IN A SAFE AND ORDERLY CONDITION.

NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.

ANY NECESSARY TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR; APPROPRIATE STANDARDS ARE LISTED ON SHEET NO. 2.

THE LIMITS OF THE DAMAGED GUARDRAIL WILL BE MARKED WITH PAINT. THE REPLACEMENT PARTS AND THE QUANTITIES INDICATED ARE WITHIN THESE LIMITS AS MARKED.

REMOVED GUARDRAIL THAT IS NOT REPLACED ON THE SAME DAY MUST BE DELINEATED WITH LIGHTED BARRICADES. NO LOCATIONS SHALL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME.

GUARDRAIL MARKERS SHALL NOT BE ATTACHED TO TERMINAL SECTIONS.

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J. U. L. I. E. (PH. 800-892-0123) OR FOR NON-MEMBER, THE UTILITY COMPANY DIRECTLY.

ANY WORK ORDER MAY BE CANCELLED AT THE ENGINEER'S DISCRETION.

SELF WEATHERING STEEL ITEMS (CORTEN) WILL BE PAID FOR THE SAME AS REGULAR ITEMS.

NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

THE CONTRACTOR IS ADVISED THAT THE GUARDRAIL PAY ITEMS INCLUDED IN THE PLANS MAY BE USED TO REPLACE/REPAIR SPBGR AND TRAFFIC BARRIER TERMINALS FOR THE NEW MIDWEST STANDARD AS SHOWN IN THE HIGHWAY STANDARDS AS WELL AS SPBGR AND TRAFFIC BARRIER TERMINAL INSTALLED PRIOR TO JAN. 1, 2007. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UTILIZING THE CURRENT MIDWEST STANDARDS.

INDEX OF SHEETS

	2	COVER SHEET INDEX OF SHEETS AND GENERAL NOTES SUMMARY OF QUANTITIES DETAIL OF IMPACT ATTENUATORS (NON-DIRECTIVE) TL 3
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	000001-	
	630001-	
	630101-	10 STRONG POST GUARDRAIL ATTACHED TO CULVERT 02 LONG-SPAN GUARDRAIL OVER CULVERT
		O7 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
		07 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
	631006-	
	631011-	
	631026-	
	631031-	
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		02 CABLE ROAD GUARD SINGLE STRAND
		02 SAND MODULE IMPACT ATTENUATORS
-		O2 CHAIN LINK FENCE
	665001-	02 WOVEN WIRE FENCE
		02 OFF-ROAD OPERATIONS, 2L. 2W. MORE THAN 15' AWAY
	701006-	05 OFF-ROAD OPERATIONS, 2L. 2W. 15' TO 24" FROM PAVEMENT EDGE
		04 OFF-ROAD MOVING OPERATION, 2L. 2W, DAY ONLY
	701101-	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
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	701301-	
	701400-	
	701406-	
	701421-	
		SPEEDS >/=45 MPH TO 55 MPH
	701501-	
-	701601-	
	701606-	
	701611-	
		10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
		OF TRAFFIC CONTROL DEVICES OF OBJECT AND TERMINAL MARKERS
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STAT	E OF	ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

SHEET

NDEX OF SHEE	TS &		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
GENERAL NO				D7 GUARDRAIL 2017-1	VARIOUS	6	2
GENERAL NO	169				CONTRACT	NO.	4767
OF SHEETS	STA.	TO STA.			D PROJECT		

	CUMBLARY OF CHARITITIES		~~	C)	ONSTRUCTION TYPE	CODE	1	CHAMADY OF CHANTITIES			CON	STRUCTION TYPE COD	<u> </u>
	SUMMARY OF QUANTITIES	1	TOTAL	√0021	0021			SUMMARY OF QUANTITIES		TOTAL	0021 MCHD	OO21	
CODE NO	ITEM	TINU	OUANTITIES	✓ MCHD	CONT. MAINT.		CODE NO	!TEM	UNIT	DUANTITIES	мспо	CONT. MAINT.	
3000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT	FOOT	52	39	13		63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)	EACH	2	. 1	1	
	POSTS	enter terminar termin						FLARED					
3000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	26	13	13		63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	163	150	13	
3000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	52	39	13.		63301215	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	26	13	13	
3000009	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	FOOT	26	13	13		63400105	GUARD POSTS	EACH	10	5	5	
							63600105	CABLE ROAD GUARD, SINGLE STRAND	FOOT	100	100		
3 <i>000030</i>	STRONG POST GUARDRAIL, ATTACHED TO	FOOT	26	13	13		64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE.	EACH	1	1		
	CULVAKI	Advanced France Avenue and State Control of the Sta				·	- 64300260	NARROW). TEST LEVEL 3	EACII				
3100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1									
74.00070	TRACETO PARRICE TERMINAL TYPE F	FACU.					66500105	WOVEN WIRE FENCE, 4'	FOOT	1050	1000	50	
3100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1			67100100	MOBILIZATION	LSUM	1	0.85	0.15	
3100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1									
		Value de Avenue de La companya de La					72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	10	2	
3100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1	1			78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	70	60	10	
3100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1									
							X0100002	GRADING AND SHAPING SPECIAL	SQ YD	1575	1500	75	
53100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	15	14			Laboration of the Control of the Con	•					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

	SUMMARY OF QUANTITIES			CO	NSTRUCTION TYPE	CODE		SUMMARY OF QUANTITIES				NSTRUCTION TYPE C	ODE
	T	1	TOTAL	0021	0021			· · · · · · · · · · · · · · · · · · ·	1	TOTAL	0021	0021	
CODE NO	. ITEM	UNIT	OUANTITIES	MCHD	CONT. MAINT.		CODE NO	ITEM	UNIT	OUANTITIES	MCHD	CONT. MAINT.	—
0325264	REPAIR IMPACT ATTENUATORS (FULLY REDIRECTIVE	, EACH	1	1			X6640298	CHAIN LINK FENCE (SPECIAL)	FOOT	130	100	30	
	NARROW), TEST LEVEL 3						Y6640308	CHAIN LINK GATES (SPECIAL)	EACH	1	1		
(6300210	GUARDRAIL BLOCKS	EACH	200	150	50		800000	CHAIN LINK GATES (SPECIAL)	EAUT	L I		00 to 10 to	
							X6640502	CHAIN LINK FENCE POST	EACH	20	20		
6300215	RAIL ELEMENT PLATES	EACH	140	130	10								
							Z0012752	CONCRETE STRUCTURE REPAIR	CU FT	4	4		
(6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	5	4	1								
							Z0020210	PULL POST ARRANGEMENT	EACH	2	2	·	
(6300220	EXTRUDER HEAD	EACH	5	4	1								
		_					Z0029658	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1	EACH	10	. 7	3 .	
×6300225	SINGLE END SECTION	EACH	21	20	1			SPECIAL - POST					
x6300231	STEEL POST, ATTACHED TO STRUCTURES	EACH	5	4	. 1		Z0051400	REMOVING AND RESETTING POSTS	EACH	8	5	3	
X6300235	WOOD POSTS	EACH	. 5	4	1		Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	16	15	1	
x6300236	STEEL POSTS 6'	EACH	125	100	25			SPECIAL (TANGENT)				State of the state	
				• • •	+		Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	1	1		
x6300239	STEEL POSTS 9'	EACH	8	5	3	-		SPECIAL (FLARED)	MAPULA MARY + 4 AMERICA - 4 AM				
x6330310	REMOVE AND REINSTALL EXTRUDER HEAD	EACH	3	2	1		Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	1	1	
x6331110	STEEL POSTS. SPECIAL	EACH	2	1	1		Z0052900	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 4	EACH	1	1		
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND	EACH	10	7	3		Ž0053000	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	11	1		
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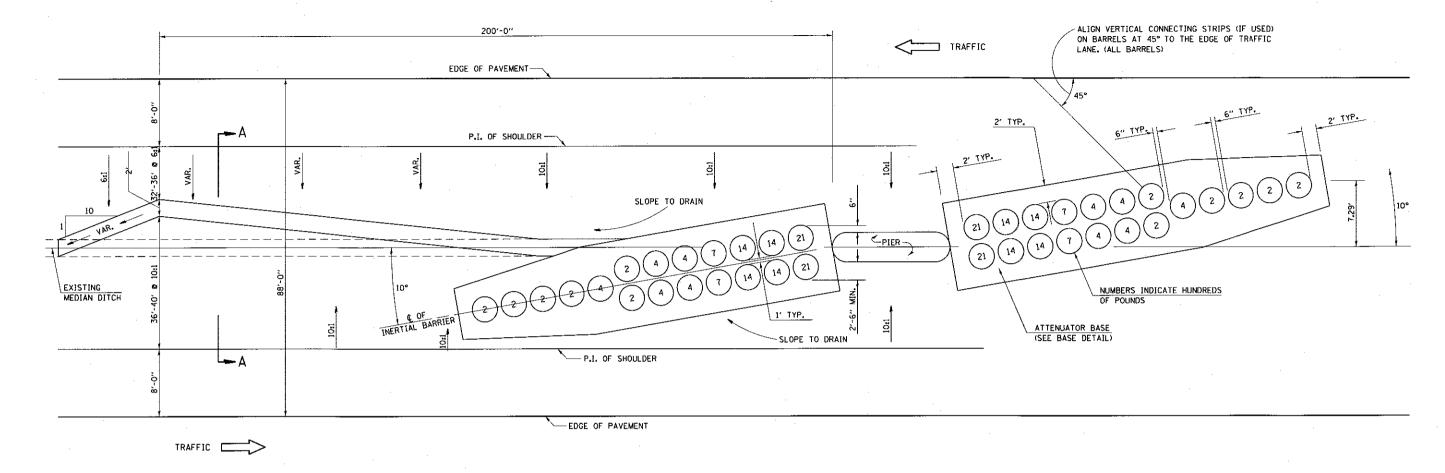
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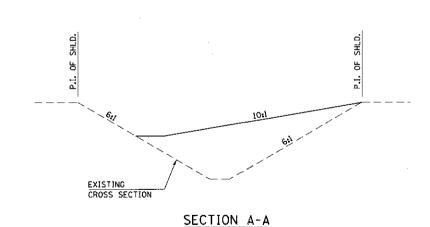
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Z0053100	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	1	1											
		<u>, </u>											-		
Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	1	1										
Z0053210	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1	1											
Z0053220	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1											
															1
	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1	EACH	6	5	1								:		
	SPECIAL - RAIL ELEMENT PLATE														
			•										·		
0076480	TRAFFIC BARRIER TERMINAL CONNECTOR	EACH	2	2											
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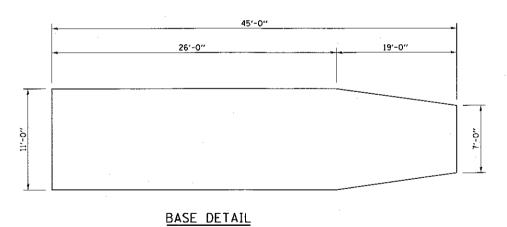
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GRADING AND SHAPING DETAIL



GENERAL NOTES

- 1. ALL 10:1 SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 10:1 OR FLATTER.
- 2. THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
- 3. THE LENGTH X WIDTH OF MODULE LAYOUT IS 41.0' x 7.0': 19 MODULES 14,400 LBS.
- 4. IN AREAS OF 10:1 SLOPES PRECEDING THE ATTENUATOR IN THE MEDIAN INSTALLATION, FOUR OR MORE WOOD POSTS SHALL BE PLACED AT 5' INTERVALS IN THE MEDIAN &. SEE SPECIAL PROVISIONS AND SCHEDULES.

NOTE TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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