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STATE OF ILLINOIS

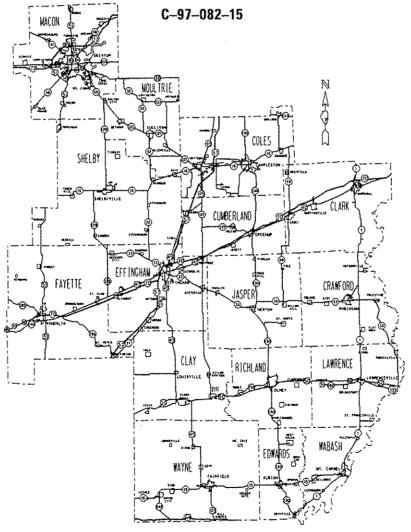
DEPARTMENT OF TRANSPORTATION

**DIVISION OF HIGHWAYS** 

## PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D7 GUARDRAIL 2016-1

# TYPE of IMPROVEMENT MAINTENANCE VARIOUS COUNTIES



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

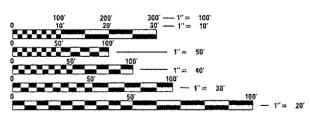
NET LENGTH = x.xx FT. = x.xxx MILE

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. 74728

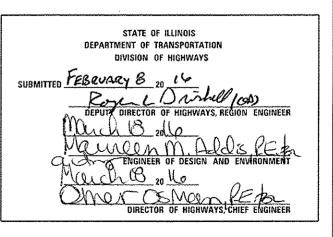
F.A., SECTION COUNTY TOTAL SHEETS NO.

D7 GUARDRAIL 2016-1 VARIOUS 6 1

ILLIMOIS CONTRACT NO. 74728

D-97-034-15





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

#### 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.

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

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 CUARDRAIL 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 TERMNAL INSTALLED PRIOR TO JAN. 1, 2007. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UTILIZING THE CURRENT MIDWEST STANDARDS.

#### INDEX OF SHEETS

2 IND	ER SHEET EX OF SHEETS AND GENERAL NOTES
	MARY OF DUANTITIES AIL OF [MPACT ATTENUATORS (NON-DIRECTIVE) TL 3
	NG STANDARDS ARE A PART OF THESE PLANS AND ARE TER SHEET NO. 6:
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
630001-10	STEEL PLATE BEAM GUARDRAIL .
630101-09	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630106-01	LONG-SPAN GUARDRAIL OVER CULVERT
	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631006-08	TRAFFIC BARRIER TERMINAL, TYPE 1B
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631032-08	TRAFFIC BARRIER TERMINAL, TYPE 6A
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636001-02	CABLE ROAD GUARD SINGLE STRAND
643001-02	SAND MODULE IMPACT ATTENUATORS
664001-02	CHAIN LINK FENCE
665001-02	WOVEN WIRE FENCE
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATION, 2L. 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >/= 45 MPH
701301-04	LANE CLOSURE, 2L, 2W. SHORT TIME OPERATIONS
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-10	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701421-07	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR
	SPEEDS >/=45 MPH TO 55 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIA
701606-10	URBAN SINGLE LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-05	TRAFFIC CONTROL DEVICES
725001	OBJECT AND TERMINAL MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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		CEN	IERAL NOTES			07 GUARDRAIL 2016-1	VARIOUS	6	2
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										-					
53000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	75	50	25	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)  FLARED	EACH	2	1	L				
3000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	50	25	25	63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	163	150	13				
3000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT	FOOT	75	50	25	63301215	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	38	25	1.3				
	POSTS				117		oonidike, file b			-					
3000009	STEEL PLATE BEAM GUARDRAIL. TYPE B. 9 FOOT POSTS	FOOT	50	25	25	63400105	GUARD POSTS	EACH	15	10	5				
			***************************************			63600105	CABLE ROAD GUARD, SINGLE STRAND	FOOT	100	100					
3000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO	FOOT	40	25	15										
	STRUCTURES		A STATE OF THE STA	***************************************		64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE,	EACH	į	1	***************************************				
3100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1			NARROW), TEST LEVEL 3								
					1000	66500105	WOVEN WIRE FENCE, 4'	FOOT	1550	1500	50				
3100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1											
						67100100	MOBILIZATION	LSUM		0.85	0.15				
53100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH		1		72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	10	2				
3100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1	l		72301000	TERMINAL WARREN - DIRECT MITETED	LACI	± <b>C</b>	10					
					200	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	70	60	10				
3100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	2	1	1										
apangan sanahan menerapa dan dan menera		-				X0100002	GRADING AND SHAPING SPECIAL	SQ YD	2075	2000	75				
53100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)	EACH	17	16		A A A A A A A A A A A A A A A A A A A			and the state of t						
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

A. SECTION COUNTY TOTAL SHEET
TE. D7 GUARDRAIL 2016-1 VARIOUS 6 3

CONTRACT NO. 74728 ILLINOIS FED. AID PROJECT

100 % STATE

100% STATE

SECTION COUNTY TOTAL SHEET MD.

D7 GUARDRAIL 2016-1 VARIOUS 6 4

CONTRACT NO. 74728

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SUMMARY OF QUANTITIES

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0325264	REPAIR IMPACT ATTENUATORS (FULLY REDIRECTIVE	. EACH	1	. 1			X6640298	CHAIN LINK FENCE (SPECIAL)	FOOT	130	100	30	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
,	NARROW), TEST LEVEL 3				1								
		F 1 0 1 1	25.0	٠٠٨			X6640308	CHAIN LINK GATES (SPECIAL)	EACH	Lead.	<u> </u>		
6300210	GUARDRAIL BLOCKS	EACH	250	200	50		x6640502	CHAIN LINK FENCE POST	EACH	20	20		
6300215	RAIL ELEMENT PLATES	EACH	160	150	10								
							Z0012752	CONCRETE STRUCTURE REPAIR	CU FT	4	4		
6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	9	8	***								
~~~~~	EVERYORE HEAD	EACH			1		Z0020210	PULL POST ARRANGEMENT	EACH	2	2		
(9300220	EXTRUDER HEAD	EACH	6	5	ug.		Z0029658	REPAIR TRAFFIC BARRIER TERMINAL TYPE I	EACH	13	10	3	*,****
x6300225	SINGLE END SECTION	EACH	26	25	1			SPECIAL - POST					
			7				70051400	REMOVING AND RESETTING POSTS	EACH	11	8	3	
x6300231	STEEL POST. ATTACHED TO STRUCTURES	EACH	-		1		20051400	REMUVING AND RESETTING FUSTS	CAUN	11	······································	-	
x6300235	WOOD POSTS	EACH	8	?	***		Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE I	EACH	21	20	1	
								SPECIAL (TANGENT)					
x6300236	STEEL POSTS 6'	EACH	125	100	25								
							Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE I	EACH	**************************************	1		
x6300239	STEEL POSTS 9'	EACH	13	10	3			SPECIAL (FLARED)					
x6330310	REMOVE AND REINSTALL EXTRUDER HEAD	EACH	3	2	1		Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	2	1	
X6331110	STEEL POSTS, SPECIAL	EACH	3	2	1		Z0052900	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 4	EACH	-	1		
x6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND	EACH	14	10	4		Z0053000	REPAIR TRAFFIC BARRIER TERMINAL. TYPE 5	EACH	1	1		
	MODULE		The section of the se										
			1				Z0053100	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH		1	***************************************	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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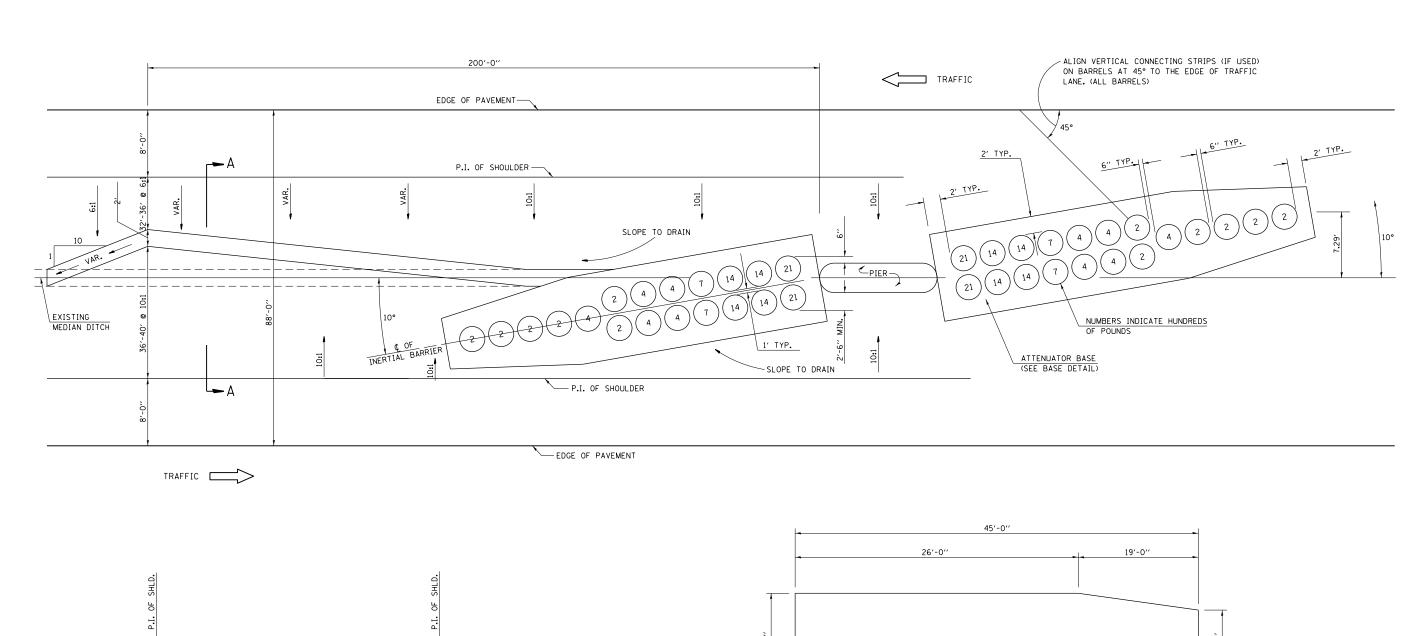
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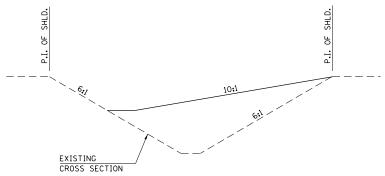
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Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	1	1										
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0053210	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1				***************************************		,						
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0053220	REPAIR TRAFFIC BARRIER TERMINAL. TYPE 68	EACH	1	1							<del> </del>				
2050650		EACH		5	1									***************************************	
0023660	REPAIR TRAFFIC BARRIER TERMINAL TYPE I SPECIAL - RAIL ELEMENT PLATE	EACH	6	3	1		AL ACTION AND ADDRESS AND ADDR								Andreas of the section of the sectio
	SPECIAL - NAIC ELEMENT FLATE		·				***************************************								
0076480	TRAFFIC BARRIER TERMINAL CONNECTOR	EACH	2	2			No. de participa de la constantina del				<del> </del>		······································		
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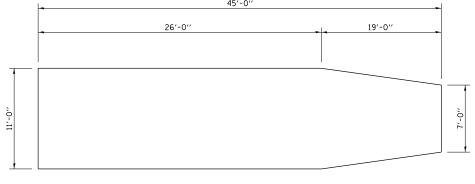
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	SUMMARY OF QUANTITIES							RTÉ. SECTION				COUNTY	TOTAL SHEETS	SHEET NO.	
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SECTION A-A GRADING AND SHAPING DETAIL



BASE 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 Q. SEE SPECIAL PROVISIONS AND SCHEDULES.

NOT TO SCALE Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

							D	ISTRICT 7 DETAI	L NO. ZO	0030150
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