

04-27-2018 LETTING ITEM 104

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

P.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			6	1
ILLINOIS			CONTRACT NO. 74801	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

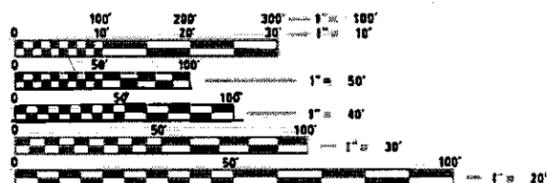
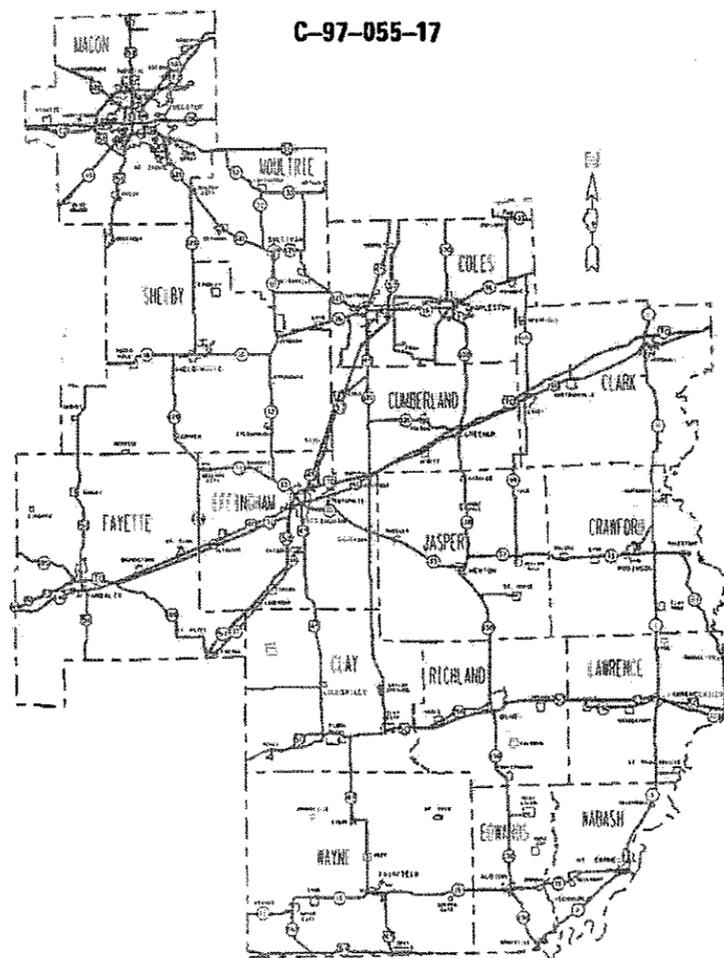
PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D7 GUARDRAIL 2018-1
MAINTENANCE IMPROVEMENT
VARIOUS COUNTIES

D-97-022-17



C-97-055-17



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 BRIAN LEWIS
PROJECT MANAGER LYNN McCLELLAN

CONTRACT NO. 74801

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 2-16-2018
Jeffrey M. South
REGIONAL ENGINEER

Mar 23 2018
Chris E. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 23 2018
Paul [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		0021 MCHD	0021 Cont. Maint.
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	40	25	15
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	30	15	15
63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	30	15	15
63000009	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	FOOT	30	15	15
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	20	15	5
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	5	5	
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1	1	
63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	23	16	7

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		0021 MCHD	0021 Cont. Maint.
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1	
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	63	50	13
63301215	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	38	25	13
63400105	GUARD POSTS	EACH	6	5	1
63600105	CABLE ROAD GUARD, SINGLE STRAND	FOOT	25	25	
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1	
66500105	WOVEN WIRE FENCE, 4'	FOOT	650	600	50
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	7	5	2
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	70	60	10
X0100002	GRADING AND SHAPING SPECIAL	50 YD	250	200	50
X0325264	REPAIR IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1	

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			DT GUARDRAIL 2018-1 VARIOUS 6 3		CONTRACT NO. 74801	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		0021 MCHD	0021 Cont. Maint.
X6300210	GUARDRAIL BLOCKS	EACH	225	175	50
X6300215	RAIL ELEMENT PLATES	EACH	195	180	15
X6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	6	5	1
X6300220	EXTRUDER HEAD	EACH	3	2	1
X6300225	SINGLE END SECTION	EACH	4	3	1
X6300231	STEEL POST, ATTACHED TO STRUCTURES	EACH	5	4	1
X6300235	WOOD POSTS	EACH	4	3	1
X6300236	STEEL POSTS 6'	EACH	150	125	25
X6300239	STEEL POSTS 9'	EACH	2	1	1
X6330310	REMOVE AND REINSTALL EXTRUDER HEAD	EACH	4	3	1
X6331110	STEEL POSTS, SPECIAL	EACH	2	1	1
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	25	20	5
X6640298	CHAIN LINK FENCE (SPECIAL)	FOOT	40	30	10

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		0021 MCHD	0021 Cont. Maint.
X6640308	CHAIN LINK GATES (SPECIAL)	EACH	1	1	
X6640502	CHAIN LINK FENCE POST	EACH	4	4	
Z0008760	EMERGENCY WORK CALL OUT	EACH	35	25	10
Z0012752	CONCRETE STRUCTURE REPAIR	CU FT	2	2	
Z0020210	PULL POST ARRANGEMENT	EACH	1	1	
Z0029658	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - POST	EACH	4	3	1
Z0051400	REMOVING AND RESETTING POSTS	EACH	4	3	1
Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	18	15	3
Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	4	4	
Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
Z0052900	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 4	EACH	1	1	
Z0053000	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1	

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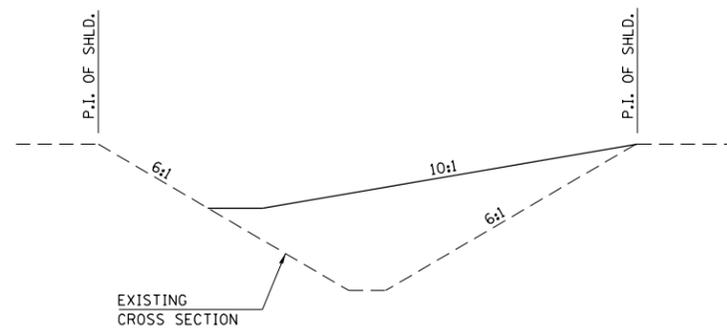
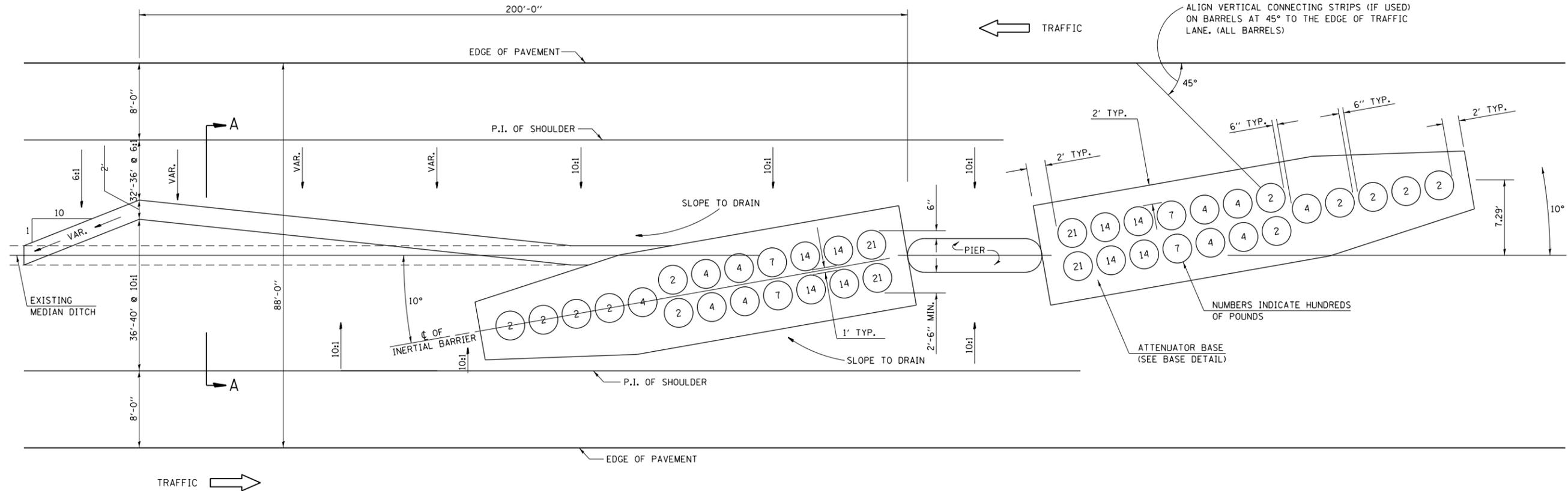
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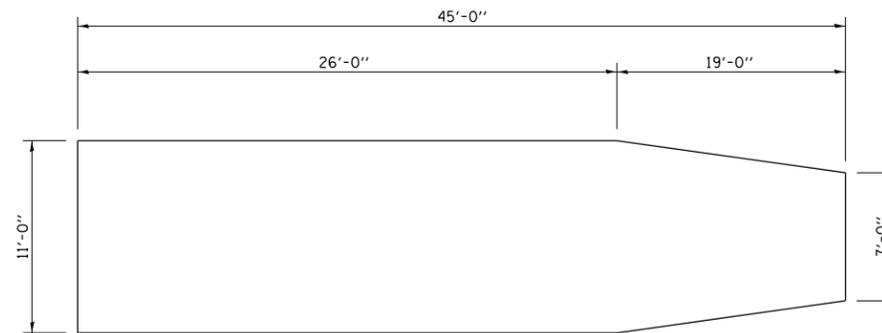
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE:	SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2018-1	VARIOUS	6	4
CONTRACT NO. 74801				
ILLINOIS FED. AID PROJECT				



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 ϕ . SEE SPECIAL PROVISIONS AND SCHEDULES.

NOTE:

This sheet applies ONLY when making partial repair of an existing sand barrel array that was installed according to this drawing. Use Standard 643001 for a complete replacement.

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 20030150

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF IMPACT ATTENUATORS (NON-DIRECTIVE) TEST LEVEL 3
88' MEDIAN

USER NAME = steffemk	DESIGNED -	REVISED -
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PLOT DATE = 2/16/2018	CHECKED -	REVISED -
	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2018-1	VARIOUS	6	6
			CONTRACT NO. 74801	
		ILLINOIS	FED. AID PROJECT	

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