06-15-12 LETTING ITEM 169

INDEX OF SHEETS

SHEET NO. SHEET NAME

1 COVER SHEET

SUMMARY OF QUANTITIES & GENERAL NOTES

GUARDRAIL LAYOUTS - 1
GUARDRAIL LAYOUTS - 2

STANDARDS

STD. NO. STD. TITLE

B.L.R. 23-4 TRAFFIC BARRIER TERMINAL TYPE 1 STEEL PLATE BEAM GUARDRAIL 630101-09 **GUARDRAIL MOUNTED ON EXISTING CULVERTS** SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS 630301-05 REFLECTOR AND TERMINAL MARKER PLACEMENT 635006-03 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE 701006-03 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH 701201-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS 701301-04 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED 701501-06 URBAN LANE CLOSURE, MULTILANE INTERSECTION 701701-08 701901-02 TRAFFIC CONTROL DEVICES 720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS TELESCOPING STEEL SIGN SUPPORT

APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

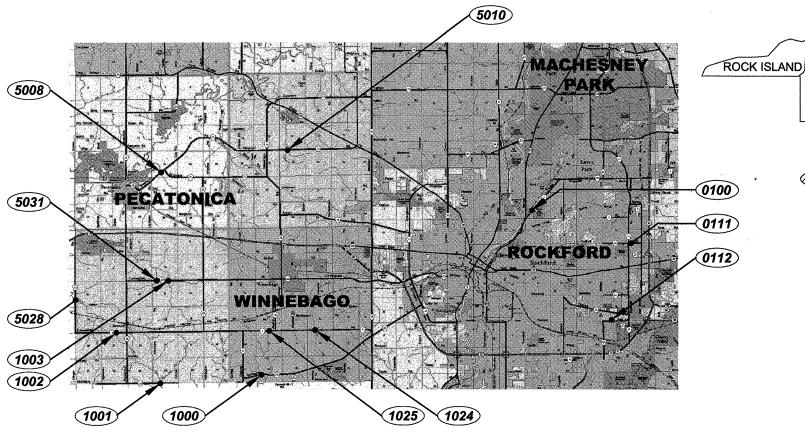
STATE OF ILLINOIS

WINNEBAGO COUNTY HIGHWAY DEPARTMENT

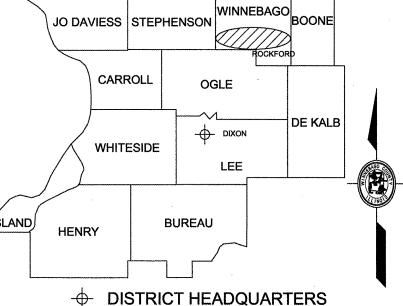
PLANS FOR HIGHWAY SAFETY IMPROVEMENT PROGRAM

ROUTE: VARIOUS COUNTY HIGHWAYS SECTION: 11-00473-01-SP PROJECT NO.: HSIP-0201(031)

GUARDRAIL 2012 - COUNTY-WIDE JOB NO.: C-92-137-12 CONTRACT NO.: 85564







Ψ DISTRICT HEADQUARTE

////// PROJECT LOCATIONS

SITE LOCATIONS

CO. HWY. P.M. T R SEC. 7 - FOREST HILLS ROAD ROCKFORD 3 0100 86 - GUILFORD ROAD ROCKFORD 0112 60 - HARRISON AVENUE ROCKFORD 3 1000 27 - MONTAGUE ROAD WINNEBAGO 4 31 - MONTAGUE ROAD SEWARD 4 - EDWARDSVILLE ROAD SEWARD 49 - CUNNINGHAM ROAD SEWARD 4 - EDWARDSVILLE ROAD WINNEBAGO 4 22/27 26N 11E 4 - EDWARDSVILLE ROAD WINNEBAGO 4 21 - TELEGRAPH ROAD PECATONICA 4 27N 10E 21 - TELEGRAPH ROAD BURRITT 4 27N 11E 16/21 5028 37 - KLINGER ROAD SEWARD 4 26N 10F 49 - CUNNINGHAM ROAD SEWARD 26N 10E 10/15



HESE PLANS PR				
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CALL J.U.L.I.E.

BEFORE YOU DIG

1-800-892-0123

SEE
"SITE LOCATIONS"

SUMMARY OF QUANTITIES:

CONSTRUCTION TYPE CODE: 0021

Item	Pay Item Number	Pay Item Description	Unit of Measure	Quantity
1	63000001	STEEL PLATE BEAM GUARDRAIL, TY A, 6 FT POSTS	FOOT	4168.75
2	63000025	STEEL PLATE BEAM GUARDRAIL, ATTACH TO STR	FOOT	631.25
3	LR631020	TRAFFIC BARRIER TERMINAL, TY 1	EACH	12
4	63100167	TRAFFIC BARRIER TERMINAL, TY 1 (SP) TANGENT	EACH	35
5*	63200310	GUARDRAIL REMOVAL	FOOT	1441
6	63500105	DELINEATORS	EACH	48
7	67100100	MOBILIZATION	LSUM	1
8*	X7010216	TRAFFIC CONTROL AND PROTECTION SPECIAL	LSUM	1
9	78200410	GUARDRAIL MARKER, TY A	EACH	111
10	78201000	TERMINAL MARKER, DIRECT APPLIED	EACH	47

^{*} SEE SPECIAL PROVISIONS

SCHEDULE OF WORK:	\c_{\c_{\c_{\c}}}						' '			′. \ /	' . ') /			\$ 155 KE
1. Install SPBGR		93.75	25	537.5	400	312.5	337.5	337.5	350	425	500	462.5	387.5	4168.75
2. Install SPBGR (ATS)		56.25	12.5	25	75	50	75	25	50	75	62.5	62.5	62.5	631.25
3. Install TBT-TY1	1	2	1	1	1	2	1	1		2				12
4. Install TBT-TY1(SP)TAN		2	1	3	3	2	3	3	4	2	4	4	4	35
5. Remove GR	25	300	140	188	538	75	175						B0000 B0000	1441
6. Install Delineator	2	4	2	4	4	4	4	4	4	4	4	4	4	48
9. Install GR MRKR, TY A	2	5	2	12	10	8	9	9	10	10	12	12	10	111
10. Install Terminal MRKR, DA	1	4	2	4	4	4	4	4	4	4	4	4	4	47

ATS — Attached to Structure

DA - Direct Applied

GR — Guardrail MRKR — Marker

SPBGR — Steel Plate Beam Guardrail

TBT - Traffic Barrier Terminal



ROUTE VARIOUS

SECTION 11-00473-01-SP SHEET 2 OF 4

GUARDRAIL 2012 - COUNTY-WIDE

GENERAL NOTES:

- 1. GUARDRAIL REMOVAL SHALL INCLUDE DISMANTLING, LOADING, HAULING, DISPOSAL, AND RESTORATION OF THE SITE IN PREPARATION FOR INSTALLATION OF NEW GUARDRAIL.
- 2. PRIOR TO THE COMMENCEMENT OF WORK BY THE CONTRACTOR AT EACH SITE, ALL REQUIRED GRADING OF SHOULDERS, FRONT SLOPES, AND GUARDRAIL TERMINATION POINTS WILL HAVE BEEN COMPLETED BY WINNEBAGO COUNTY. THE FURNISHING OF MATERIALS AND PERFORMANCE OF GRADING IS NOT INCLUDED WITH THE WORK ON THIS CONTRACT.
- 3. THE COST OF REMOVING AND REPLACING EARTH AND SHOULDER MATERIAL NECESSARY FOR INSTALLATION OF STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURE, WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THIS ITEM. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK ALL FIELD CONDITIONS WHICH RELATE TO THIS ITEM AS WELL AS TO ALL ITEMS ASSOCIATED WITH THIS CONTRACT.
- 4. ANY COST ASSOCIATED WITH FURNISHING AND INSTALLING SHORT RADIUS GUARDRAIL AT SITE 0112, AS INDICATED IN THE GUARDRAIL LAYOUTS, WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS. THE GUARDRAIL ELEMENT PLATES SHALL BE FACTORY-FABRICATED TO THE INDICATED RADIUS OF CURVATURE OR TO THE RADIUS NECESSARY TO MATCH THE GUARDRAIL CONFIGURATION SPECIFIED BY THE ENGINEER.
- 5. ANY COST ASSOCIATED WITH FURNISHING AND INSTALLING LONGER POSTS FOR THE GUARDRAIL ATTACHED TO THE STRUCTURE AT SITE 1025 WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES.
- 6. ONCE WORK IS BEGUN ON A CONTINUOUS RUN OF GUARDRAIL, ALL OF THE GUARDRAIL THAT IS REMOVED IN THAT RUN MUST BE REPLACED WITH NEW GUARDRAIL IN THE SAME DAY AND THE NEW GUARDRAIL SHALL BE TEMPORARILY CONNECTED TO ANY REMAINING OLD GUARDRAIL IN A MANNER APPROVED BY THE ENGINEER.
- 7. WORK AREAS SHALL BE LEFT IN SAFE AND ORDERLY CONDITION. NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROAD OR SHOULDERS DURING NON-WORKING HOURS.
- 8. ALL GUARDRAIL AND TERMINAL MARKERS SHALL BE INSTALLED IN THE SAME DAY THAT THE GUARDRAIL AND TERMINAL SECTIONS TO WHICH THEY ARE TO BE ATTACHED ARE INSTALLED. GUARDRAIL MARKERS SHALL NOT BE ATTACHED TO TERMINAL SECTIONS.
- 9. WHERE GUARDRAIL IS TO BE REMOVED ON BOTH SIDES OF THE ROAD, REPLACEMENT ON ONE SIDE SHALL BE COMPLETE BEFORE REMOVAL ON THE SECOND SIDE SHALL BEGIN.
- 10. HOLES REMAINING AT LOCATIONS WHERE GUARDRAIL POSTS ARE PULLED OR CUT OFF (AT LEAST 6 INCHES BELOW THE GROUND SURFACE) SHALL BE FILLED IN LAYERS WITH GRANULAR MATERIAL AND TAMPED.
- 11. AT BRIDGE LOCATIONS, FLAGGERS WILL NOT BE ALLOWED TO STAND ON THE BRIDGE TO PERFORM FLAGGING OPERATIONS. FLAGGERS WILL BE REQUIRED TO OPERATE AT OR NEAR THE BRIDGE APPROACHES IN ORDER TO PROVIDE AN ACCEPTABLE ESCAPE ROUTE.

GUARDRAIL LAYOUTS

LEGEND:

ATS - Attached to Structure EOP - Edge of Pavement

GR - Guardrail

GRMB - Guardrail Marker-Bidirectional (♠)
GRMM - Guardrail Marker-Monodirectional (▶)

Install Guardrail (all components)

Remove Guardrail (all components)
SN — Structure Number

SPBGR - Steel Plate Beam Guardrail

SR - Short Radius TBT - Traffic Barrier Terminal

GUARDRAIL OFFSETS:

SITE	DISTANCE (EOP TO GR FACE)
0100	10'
0111	4'
0112	10'W; 4'N
1000	6'
1001	6.5'N; 5.5'S
1002	2'
1003	6'
1024	6'N; 4'S
1025	4.5'
5008	5'
5010	5'
5028	5'
5031	5'

NOTE:

1 - TBT-TY1

2 - GRMM

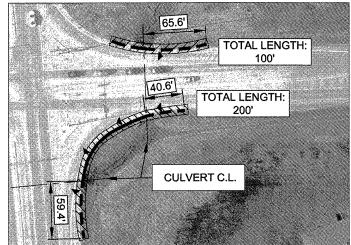
Indicated dimensions are approximate. Layout points are to be determined by the Engineer at the site locations.

SITE 0100 - FOREST HILLS ROAD (CH 7) @ LANDSTROM ROAD



SCALE: 1"=50'

SITE 0111 - GUILFORD ROAD (CH 86) @ PERRYVILLE ROAD (CH 11)



SCALE: 1"=50"

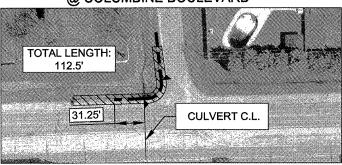
SCALE: 1"=50'

93.75' SPBGR 56.25' SPBGR - ATS (CASE IV)

2 - TBT-TY1 2 - TBT-TY1(SP)TAN

5 - GRMM

SITE 0112 - HARRISON AVENUE (CH 60) @ COLUMBINE BOULEVARD

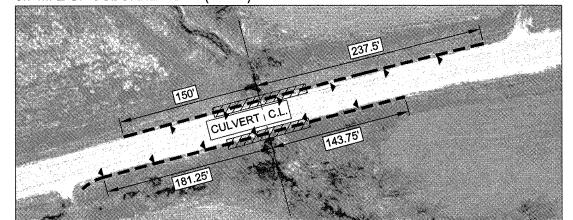


25' SPBGR (15' SR) 12.5' SPBGR-ATS (CASE I)

1 - TBT-TY1

1 - TBT-TY1(SP)TAN 2 - GRMM

SITE 1000 - MONTAGUE ROAD (CH 27) 0.7 MI E OF OSBORNE ROAD (CH 16)



537.5' SPBGR 25' SPBGR-ATS (CASE IV) 1 - TBT-TY1 3 - TBT-TY1(SP)TAN 12 - GRMM

GRAPHIC SCALE:

0 25 50 75 100

(IN FEET)

1 INCH = 50 FEET



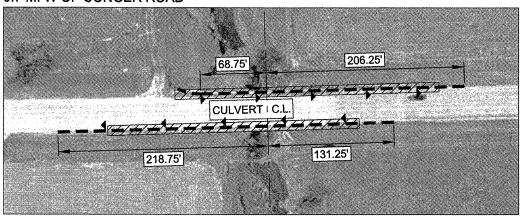
ROUTE VARIOUS

SECTION 11-00473-01-SP

SHEET 3 OF 4

GUARDRAIL 2012 - COUNTY-WIDE

SITE 1001 - MONTAGUE ROAD (CH 31) 0.7 MI W OF CONGER ROAD

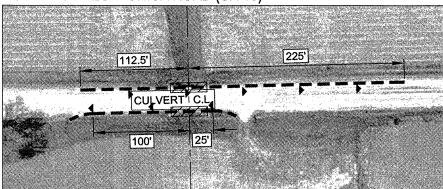


400' SPBGR 75' SPBGR-ATS (CASE II) 1 - TBT-TY1

3 - TBT-TY1(SP)TAN 10 - GRMM

SN 101-5018 SCALE: 1"=50'

SITE 1002 - EDWARDSVILLE ROAD (CH 4) 0.8 MI W OF PECATONICA ROAD (CH 18)

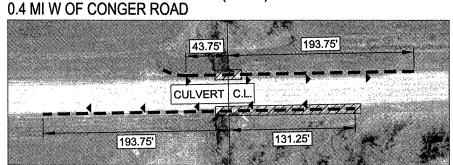


312.5' SPBGR 50' SPBGR-ATS (CASE I)

2 - TBT-TY1

2 - TBT-TY1(SP)TAN 8 - GRMM

SITE 1003 - CUNNINGHAM ROAD (CH 49)



337.5' SPBGR 75' SPBGR-ATS (CASE IV) 1 - TBT-TY1

3 - TBT-TY1(SP)TAN

9 - GRMM

SCALE: 1"=50'

SN 101-5032 SCALE: 1"=50'

SCALE: 1"=50'



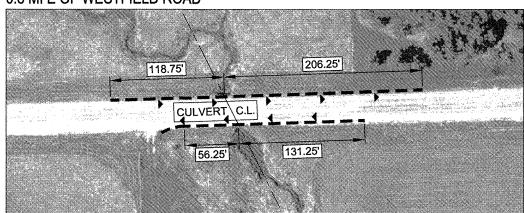
ROUTE VARIOUS

SECTION 11-00473-01-SP

SHEET 4 OF 4

GUARDRAIL 2012 - COUNTY-WIDE

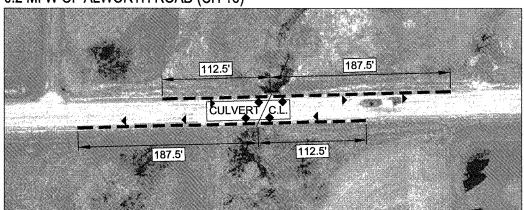
SITE 1024 - EDWARDSVILLE ROAD (CH 4) 0.8 MI E OF WESTFIELD ROAD



337.5' SPBGR 25' SPBGR-ATS (CASE IV) 1 - TBT-TY1

3 - TBT-TY1(SP)TAN 9 - GRMM

SITE 1025 - EDWARDSVILLE ROAD (CH 4) 0.2 MI W OF ALWORTH ROAD (CH 16)

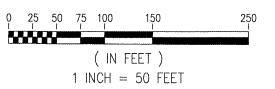


SCALE: 1"=50'

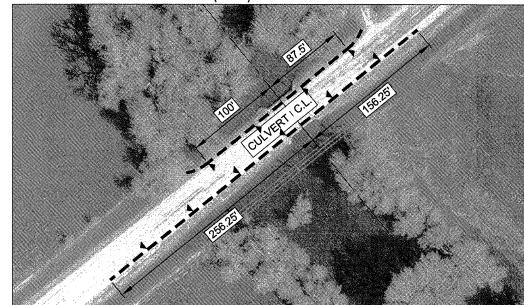
SCALE: 1"=50'

350' SPBGR 50' SPBGR-ATS (CASE I) 4 - TBT-TY1(SP)TAN 4 - GRMB 6 - GRMM

GRAPHIC SCALE:



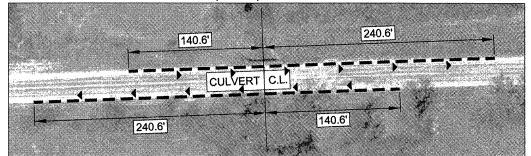
SITE 5008 - TELEGRAPH ROAD (CH 21) 0.2 MI W OF SAUNDERS ROAD (IL 81)



425' SPBGR 75' SPBGR-ATS (CASE IV) 2 - TBT-TY1 2 - TBT-TY1(SP)TAN 10 - GRMM

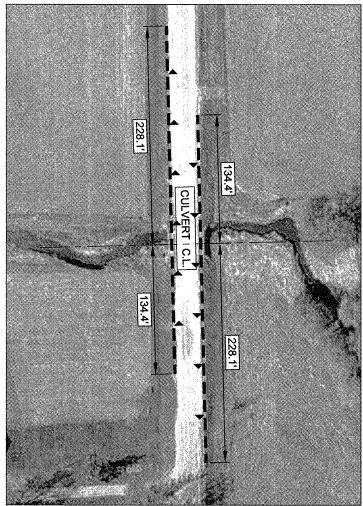
SN 101-5008 SCALE: 1"=50'

SITE 5010 - TELEGRAPH ROAD (CH 21) 0.8 MI E OF WINNEBAGO ROAD (CH 16)



500' SPBGR 62.5' SPBGR-ATS (CASE IV) 4 - TBT-TY1(SP)TAN 12 - GRMM SN 101-5010 SCALE: 1"=50'

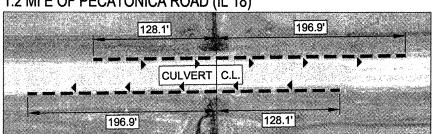
SITE 5028 - KLINGER ROAD (CH 37) 0.3 MI N OF KELLEY ROAD



462.5' SPBGR 62.5' SPBGR-ATS (CASE IV) 4 - TBT-TY1(SP)TAN 12 - GRMM

SN 101-5028 SCALE: 1"=50'

SITE 5031 - CUNNINGHAM ROAD (CH 49) 1.2 MI E OF PECATONICA ROAD (IL 18)



387.5' SPBGR 62.5' SPBGR-ATS (CASE IV) 4 - TBT-TY1(SP)TAN 10 - GRMM

SN 101-5031 SCALE: 1"=50'