



### 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

### GENERAL NOTES:

- GUARDRAIL REMOVAL SHALL INCLUDE DISMANTLING, LOADING, HAULING, DISPOSAL, AND RESTORATION OF THE SITE IN PREPARATION FOR INSTALLATION OF NEW GUARDRAIL.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

### SCHEDULE OF WORK:

		SITE 0100	SITE 0111	SITE 0112	SITE 1000	SITE 1001	SITE 1002	SITE 1003	SITE 1024	SITE 1025	SITE 5008	SITE 5010	SITE 5028	SITE 5031	TOTALS
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	--	--	--	--	--	--		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