

| SUMMARY OF QUANTITIES CONSTRUCTION TYPE CODE: SFTY 3J | | | | |
|--|-----------------|--|-----------------|----------|
| Item | Pay Item Number | Pay Item Description | Unit of Measure | Quantity |
| 1 | 63000001 | STEEL PLATE BEAM GUARDRAIL, TY A, 6 FT POSTS | FOOT | 5765 |
| 2 | 63000025 | STEEL PLATE BEAM GUARDRAIL, ATTACH TO STR | FOOT | 150 |
| 3 | 63100045 | TRAFFIC BARRIER TERMINAL, TY 2 | EACH | 9 |
| 4 | 63100070 | TRAFFIC BARRIER TERMINAL, TY 5 | EACH | 2 |
| 5 | 63100085 | TRAFFIC BARRIER TERMINAL, TY 6 | EACH | 4 |
| 6 | 63100167 | TRAFFIC BARRIER TERMINAL, TY 1 (SP) TANGENT | EACH | 45 |
| 7 * | 63200310 | GUARDRAIL REMOVAL | FOOT | 5176 |
| 8 * | 63500105 | DELINEATOR | EACH | 58 |
| 9 | 67100100 | MOBILIZATION | L SUM | 1 |
| 10 | 70101700 | TRAFFIC CONTROL AND PROTECTION | L SUM | 1 |
| 11 | 78200410 | GUARDRAIL MARKER, TY A | EACH | 129 |
| 12 | 78201000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 45 |

* SEE SPECIAL PROVISIONS

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 ANOTHER PARTY. 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 FIVE SITES 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.
5. 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.
6. WORK AREAS SHALL BE LEFT IN SAFE AND ORDERLY CONDITION. NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROAD OR SHOULDERS DURING NON-WORKING HOURS.
7. 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.
8. 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.
9. 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:

| ITEMS | SECTION 1 | | | | | | | SECTION 2 | | | | | | | TOTALS | |
|---------------------------|-----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|
| | SITE 102 | SITE 105 | SITE 106 | SITE 107 | SITE 109 | SITE 117 | SITE 118 | SITE 1005 | SITE 1017 | SITE 1018 | SITE 1019 | SITE 1020 | SITE 1021 | SITE 1022 | | |
| 1. Install SPBGR | 375' | 1025' | 150' | 450' | 438' | 25' | 88' | 375' | 400' | 488' | 238' | 300' | 463' | 375' | 575' | 5765' |
| 2. Install SPBGR (ATS) | -- | -- | -- | -- | -- | -- | -- | -- | 25' | 25' | -- | -- | -- | 25' | 75' | 150' |
| 3. Install TBT-TY2 | -- | -- | -- | 2 | -- | -- | -- | 2 | 1 | -- | 3 | -- | -- | 1 | -- | 9 |
| 4. Install TBT-TY5 | 1 | -- | -- | -- | -- | -- | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 2 |
| 5. Install TBT-TY6 | -- | -- | -- | -- | -- | -- | -- | 4 | -- | -- | -- | -- | -- | -- | -- | 4 |
| 6. Install TBT-TY1SP TAN | 1 | 4 | 4 | 2 | 3 | 4 | 4 | 2 | 3 | 4 | 1 | 2 | 4 | 3 | 4 | 45 |
| 7. Remove Guardrail | 465' | 1225' | 300' | 225' | 590' | 100' | 300' | 400' | 200' | 250' | 200' | 406' | 350' | 165' | -- | 5176' |
| 8. Install Delineator | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 58 |
| 11. Install GR Mrkr | 6 | 17 | 5 | 11 | 8 | 10 | 8 | 10 | 8 | 9 | 6 | 5 | 9 | 7 | 10 | 129 |
| 12. Install Terminal Mrkr | 1 | 4 | 4 | 2 | 3 | 4 | 4 | 2 | 3 | 4 | 1 | 2 | 4 | 3 | 4 | 45 |

ATS - Attached to Structure
 GR - Guardrail
 SPBGR - Steel Plate Beam Guardrail
 SR - Short Radius
 TBT - Traffic Barrier Terminal