

| STEEL PLATE GUARDRAIL |           |            |             |              |              |              |   |
|-----------------------|-----------|------------|-------------|--------------|--------------|--------------|---|
| STATION TO STATION    | SIDE      | FLARE RATE | LENGTH (FT) | END TERMINAL | END TERMINAL | END TERMINAL |   |
|                       |           |            |             | SRT (Eq.)    | SKT (Eq.)    | Type II      |   |
|                       |           |            |             | *            | **           |              |   |
| 678+97.79             | 681+16.48 | Rt.        | 50:l        | 218.75       | -            | -            | 1 |
| 679+29.23             | 680+85.30 | Lt.        | 21:l        | 156.25       | -            | -            | 1 |
| 684+26.22             | 686+19.14 | Lt.        | 21:l        | 156.25       | 1            | -            | - |
| 684+57.27             | 687+13.24 | Rt.        | 50:l        | 206.25       | -            | 1            | - |
| <b>TOTAL</b>          |           |            |             | 737.5        | 1            | 1            | 2 |

\* Allowed to Substitute Gaurdrail End Terminal FLEAT  
 \*\* Allowed to Substitute Gaurdrail End Terminal ET PLUS

| REMOVAL OF EXISTING STRUCTURES<br>(FOR INFORMATION ONLY) |                 |      |                            |
|--|-----------------|------|----------------------------|
| ROADWAY  | STATION         | SIDE | ITEM                       |
| SE Blvd.   | 679+30 - 681+00 | Lt.  | 170' Steel Plate Guardrail |
| SE Blvd.   | 684+15 - 686+20 | Lt.  | 205' Steel Plate Guardrail |
| SE Blvd.   | 684+40 - 687+10 | Rt.  | 270' Steel Plate Guardrail |
| SE Blvd.   | 680+95          | Lt.  | Remove Wingwall            |
| SE Blvd.   | 681+26          | Rt.  | Remove Wingwall            |
| SE Blvd.   | 684+17          | Lt.  | Remove Wingwall            |
| SE Blvd.   | 684+48          | Rt.  | Remove Wingwall            |
| Remove Abutment #1 Backwall and End of Slab              |                 |      |                            |
| Remove Abutment #2 Backwall and End of Slab              |                 |      |                            |

| CONCRETE FLUME |               |       |
|----------------|---------------|-------|
| FLUME          | LENGTH (L.F.) | SIDE  |
| A              | 23.8          | Lt.   |
| B              | 4.4           | Lt.   |
| C              | 71.5          | Rt.   |
| D              | 66.9          | Lt.   |
| E              | 4.7           | Rt.   |
| F              | 52.2          | Rt.   |
| <b>TOTAL</b>   |               | 223.5 |

| RECAPITULATION OF QUANTITIES                           |          |      |
|--|----------|------|
| ITEM   | QUANTITY | UNIT |
| <b>LUMP SUM BID ITEMS (715725)</b>                     |          |      |
| Mobilization   | 1        | LS   |
| Field Office and Laboratory (Type A)                   | 1        | ea   |
| Site Clearing  | 1        | LS   |
| Removal of Existing Structures                         | 1        | LS   |
| Excavation (Class III)                                 | 136      | cy   |
| Substructure Repair                                    | 1        | LS   |
| Concrete Pavement 12" Approach                         | 265      | sy   |
| Bridge Approach Slab Footing                           | 30       | cy   |
| Guardrail, Steel Plate                                 | 738      | lf   |
| Guardrail End Terminal (SRT)                           | 1        | ea   |
| Guardrail End Terminal (SKT)                           | 1        | ea   |
| Concrete Flume Inlet                                   | 6        | ea   |
| Traffic Control  | 1        | LS   |
| Sodding  | 1        | LS   |
| <b>MEASURED QUANTITY BID ITEMS (715725)</b>            |          |      |
| Concrete (Grade 4.0) (AE)                              | 74.3     | cy   |
| Reinforcing Steel (Grade 60) (Epoxy Coated)            | 9838     | lb   |
| Reinforcing Steel (Grade 60)                           | 2726     | lb   |
| Silica Fume Concrete                                   | 5        | cy   |
| Expansion Joint  | 81       | lf   |
| Substructure Waterproofing Membrane                    | 80       | sy   |
| Concrete Surface Repair                                | 14       | sy   |
| Flowable Fill  | 2        | cy   |
| Drilling and Grouting                                  | 704      | ea   |
| Area Prepared for Patching                             | 220      | sf   |
| Silica Fume Concrete                                   | 2.0      | cy   |
| 2 1/4" Silica Fume Overlay                             | 220      | sf   |
| Silica Fume (Concrete Patch) Embedded Galvanized Anode | 180      | ea   |
| Concrete Flume   | 224      | lf   |
| Epoxy Resin Crack Repair                               | 5        | lf   |
| Pavement Marking (MMA)                                 | 1        | LS   |
| <b>MEASURED QUANTITY BMP ITEMS (715725)</b>            |          |      |
| BMP, Silt Fence  | 1000     | lf   |
| BMP, Construction Entrance                             | 1        | ea   |

|   |          |         |                |
|---|----------|---------|----------------|
| No.   | Revision | By      | Date           |
| SOUTHEAST BLVD AT WICHITA FLOOD CONTROL CANAL   |          |         |                |
| <b>SUMMARY OF QUANTITIES</b>  |          |         |                |
| JAMES L. ARMOUR, P.E. - CITY ENGINEER<br>CITY OF WICHITA PROJECT NO. 472-84923  |          |         |                |
| <b>Professional Engineering Consultants, P.A.</b><br>303 S. TOPEKA • WICHITA, KANSAS 67202<br>316-262-2691 • FAX 316-262-3003 |          |         |                |
| Designed by   | RJM      | Job No. | 10313          |
| Drawn by  | RJM      | Date    | June, 2011     |
|   |          |         | Sht. 26R of 42 |