| FHWA REG NO. | STATE | PROJECT NO. | YEAR | SHEET NO. | SHEETS |
|---|---|---|---|---|---|
| 7 | KANSAS | 87 N-0088-01 | 1999 | 23 | 38 |

## EARTHWORK

| LOCATION STATION TO STATION | EXCAVATION | | | | | | COMPACTION (TYPE B) (MR-90) | WASTE COMMON EXCAVATION |
|---|---|---|---|---|---|---|---|---|
| | COMMON | | COMMON (Contr. Furnished) | | ROCK Ø | | | |
| | ($m^3$) | V.M.F. | ($m^3$) | V.M.F. | ($m^3$) | V.M.F. | ($m^3$) | ($m^3$) |
| Station 1+416.24 to 1+484.17 | 3,090 | 0.80 | | | 64 | 1.00 | 43 | 3,036 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| TOTAL | 3,090 | | | | 64 | | 43 | 3,036 |

Ø Existing Pavement to be wasted on sites provided by the Contractor.

## SIDEWALK CONSTRUCTION (100 mm)(AE)

| STATION TO STATION | SIDE | QUANTITY ($m^2$) | REMARKS |
|---|---|---|---|
| Station 1+415.26 to 1+433.98 | Rt. | 25 | |
| Station 1+473.67 to 1+484.17 | Rt. | 15 | |
| | | | |
| TOTAL | | 40 | |

## CONCRETE SAFETY BARRIER (SPECIAL)(AE)

| STATION TO STATION | SIDE | QUANTITY (m.) |
|---|---|---|
| 1+416.235 to 1+426.765 | Lt. | 10.53 |
| 1+416.235 to 1+432.770 | Rt. | 16.54 |
| 1+467.631 to 1+484.166 | Lt. | 16.54 |
| 1+473.636 to 1+484.166 | Rt. | 10.53 |
| TOTAL | | 54.14 |

## CONCRETE PAVEMENT (260 mm UNIF.)(AE)

| STATION TO STATION | QUANTITY (Sq. m.) |
|---|---|
| 1+416.235 to 1+429.768 | 134.5 |
| 1+470.634 to 1+484.166 | 134.5 |
| TOTAL | 269.0 |

## RECAPITULATION OF BRIDGE QUANTITIES

| ITEM | QUANTITY | UNITS |
|---|---|---|
| Class I Excavation | 60 | cu. m |
| Class II Excavation | 20 | cu m |
| Grade 30 Concrete (AE) | 82.1 | cu. m |
| Grade 30 Concrete (AE)(SW) | 296.4 | cu. m |
| Reinforcing Steel (Grade 420)(Epoxy Coated) | 39,430 | kg |
| Reinforcing Steel (Grade 420) | 2,380 | kg |
| Steel Piles (HP250x62) | 438.20 | m |
| Steel Test Piles | 31.15 | m |
| Abutment Strip Drain | 51 | sq. m |
| Bridge Handrail (Steel) | 93.2 | m |
| Deck Drain | 26 | each |
| Slope Protection (Shot Rock) | 250 | cu. m |
| Bridge Backwall Protection System | 54 | sq. m |
| Bridge Plaque (Non Participating) | 1 | each |
| | | |
| | | |
| | | |
| | | |

## RECAPITULATION OF ROAD QUANTITIES

| ITEM | QUANTITY | UNITS |
|---|---|---|
| Clearing and Grubbing | Lump Sum | L.S. |
| Removal of Existing Structures | Lump Sum | L.S. |
| Common Excavation | 3,090 | cu. m |
| Rock Excavation | 64 | cu. m |
| Compaction of Earthwork (Type B)(MR-90) | 43 | cu. m |
| | | |
| | | |
| Concrete Pavement (260 mm Unif.)(AE) | 269 | sq. m |
| Concrete Safety Barrier (Special)(AE) | 54.1 | m |
| Crushed Stone Subgrade (200 mm) | 258 | sq. m |
| Geogrid Reinforcement (for base) | 258 | sq. m |
| Sidewalk Construction (100 mm) (AE) | 40 | sq. m |
| Contractor Construction Staking | Lump Sum | L.S. |
| | | |
| Field Office and Laboratory (Type A) | 1 | Each |
| | | |
| Mobilization | Lump Sum | L.S. |
| Mobilization (DBE) | Lump Sum | L.S. |
| Trainees Highway Construction (1)(Set) | 1 | Hour |
| | | |
| | | |
| Non-Participating | | |
| Water Line Relocation | Lump Sum | L.S. |
| | | |
| | | |
| | | |
| | | |

For Temporary Project Water Pollution Control Quantities See Sheet No. 24
For Seeding Quantities See Sheet No. 29
For Signing Quantities See Sheet No. 30
For Traffic Control Quantities See Sheet No. 37

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

PROJ. NO. 87 N-0088-01 SEDGWICK CO.

**MID-KANSAS ENGINEERING CONSULTANTS, INC.**

WICHITA, KANSAS

| DESIGNED BY: | KJS | CHECKED BY: | MDK | |
|---|---|---|---|---|
| DRAWN BY: | DPG | DATE: NOV. 98 | SHEET | OF |



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