

# SUMMARY OF QUANTITIES

| ITEM                  | DESCRIPTION   | TOTAL                       |
|-----------------------|---|-----------------------------|
| <b>PROPOSAL No. 1</b> |   |                             |
| E-2                   | Excavation (wet)  | 28 cu. yds.                 |
| E-4                   | Borrow (Backfill & Embankment)  | 325 cu. yds.                |
| S-1                   | Concrete, Class "E" Endwalls (North 10.0 cu. yds.; South 8.0 cu. yds.)  | 18 cu. yds.                 |
| S-24                  | Removal of existing stone & concrete arch culvert. (Including pavement removal and any necessary excavation).                             | Lump Sum                    |
| S-28                  | Sectional corrugated metal plate pipe arch. Span 12'-6" Rise 7'-11"<br>M-6.4(g) Top plates 8 gage. Bottom plates 7 gage.                  | 50 lin. ft.                 |
| I-10                  | Riprap (salvaged stone)   | 80 sq. yds.                 |
| I-15                  | Guard rail removed and replaced   | 128 lin. ft.                |
| <b>PROPOSAL No. 2</b> |   |                             |
| E-2                   | Excavation (wet)  | 60 cu. yds.                 |
| E-4                   | Borrow (Backfill & Embankment)  | 268 cu. yds.                |
| S-1                   | Concrete, Class "C" Headwalls   | 58 cu. yds.                 |
| S-4                   | Reinforcing Steel   | 1568 lbs.                   |
| S-24                  | Removal of existing structure. (Including all necessary excavation with the placing of the metal pipe arches called for on the plans.)    | Lump Sum                    |
| S-28                  | Sectional corrugated metal pipe arch. (Span 7'-11"; Rise 5'-7") Sec. M-6.4(g)<br>Bottom plates 8 gage, remainder plates 10 gage.          | 120 lin. ft.<br>(3@ 46'-0") |
| I-15                  | Guard rail removed and stored.  | 56 lin. ft.                 |
| <b>PROPOSAL No. 3</b> |   |                             |
| E-2                   | Excavation (Wet)  | 30 cu. yds.                 |
| E-4                   | Borrow (Backfill & Embankment)  | 190 cu. yds.                |
| S-1                   | Concrete, Class "E" Endwalls  | 22 cu. yds.                 |
| S-22                  | Removal of portion of existing structure. (Including all necessary excavation with the alteration and extension called for on the plans.) | Lump Sum                    |
| S-28                  | Sectional corrugated metal pipe arch (Span 10'-3" Rise 6'-9")<br>Sec. M-6.4(g) Top plates 10 gage; Bottom plates 8 gage.                  | 40 lin. ft.                 |
| I-10                  | Riprap (Salvaged stone)   | 15 sq. yds.                 |
| Special               | Repair existing stone and concrete arch (Underpinning and patching)   | Lump Sum                    |
| <b>PROPOSAL No. 4</b> |   |                             |
| E-2                   | Unclassified Excavation   | 44 cu. yds.                 |
| S-1                   | Class "C" Concrete - Superstructure   | 17.0 cu. yds.               |
| S-1                   | Class "E" Concrete - Walls  | 13.6 cu. yds.               |
| S-1                   | Class "E" Concrete - Footings   | 15.8 cu. yds.               |
| S-4                   | Reinforcing Steel   | 5232 lbs.                   |
| S-14                  | Railing (Type I-15.13)  | 63.0 lin. ft.               |
| S-22                  | Removal of portions of existing structure   | Lump Sum                    |
| S-23                  | Dowel Holes   | 24 lin. ft.                 |
| S-29                  | Porous Backfill   | 8.0 cu. yds.                |
| I-15                  | Guard rail removed & replaced   | 64 lin. ft.                 |

## GEAUGA & LAKE COUNTIES

| PROPOSAL | SECTION | STRUCTURE NUMBER |
|----------|---------|------------------|
| 1        | 5.52    | LAK. 86 - 0637   |
| 2        | 2.71    | GEA. 700-0331    |
| 3        | 17.58   | GEA. 44 - 1861   |
| 4        | 14.46   | GEA. 87 - 1460   |

### GENERAL NOTES

Sectional corrugated metal plate pipe arch to meet the provision of Sec. M-6.4(g) of the Ohio Construction and Material Specifications in Proposals 1, 2, & 3  
Basis for compensation and material measurements shall be as set forth in the specifications for the various items.

BORROW: Borrow to be secured by the Contractor outside the right of way limits  
MASONRY: Suitable waste masonry may be disposed of as bank protection at the direction of the Engineer.

PAVEMENT: All paving to be performed by the State Highway Maintenance Dept.

GUARD RAIL: See General Notes on each proposal.

TRAFFIC: See General Notes on each proposal.

Routes of detour for Proposals 1 & 2 are shown on Sheet # 1.