

**ESTIMATED QUANTITIES**

| ITEM    | ITEM EXTENSION | TOTAL | UNIT     | DESCRIPTION   | ABUTMENT | PIERS | SUPER-STRUCTURE | GENERAL |
|---------|----------------|-------|----------|---|----------|-------|-----------------|---------|
| 202     | 11203          | LUMP  |          | PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN(SEE SHEET [1 /52])                        |          |       |                 | LUMP    |
| 503     | 11100          | LUMP  |          | COFFERDAMS, CRIBS AND SHEETING  |          |       |                 | LUMP    |
| 503     | 21101          | 32    | CU. YD.  | UNCLASSIFIED EXCAVATION, AS PER PLAN (SEE SHEET [2 /52])  | 32       |       |                 |         |
| 512     | 44400          | 17    | SQ. YD.  | TYPE B WATERPROOFING  | 17       |       |                 |         |
| SPECIAL | 51267510       | 1136  | SQ. YD.  | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) *   | 114      | 231   | 791             |         |
| 516     | 11210          | 64    | LIN. FT. | STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL*  |          |       | 64              |         |
| SPECIAL | 51614010       | 80    | LIN. FT. | POURED POLYURETHANE JOINT SEAL (SEE SHEET [3 /52])  | 80       |       |                 |         |
| 516     | 14600          | 80    | LIN. FT. | STRUCTURAL JOINT OR JOINT SEALER, MISC.: 4"x4" JOINT SEAL (BITUMEN IMPREGNATED FOAM) (SEE SHEET [3/52]) | 80       |       |                 |         |
| 516     | 45305          | 12    | EACH     | REFURBISH BEARING DEVICE, AS PER PLAN (SEE SHEET [3/52])  | 8        | 4     |                 |         |
| 516     | 47001          | LUMP  |          | JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN* (SHEET [3A/52])                           |          |       |                 | LUMP    |
| 518     | 21200          | 35    | CU. YD.  | POROUS BACKFILL WITH FILTER FABRIC  | 35       |       |                 |         |
| 518     | 40001          | 55    | LIN. FT. | 6" PERFORATED CORRUGATED PLASTIC PIPE, AS PER PLAN (SEE SHEET [3/52])                                   | 55       |       |                 |         |
| 518     | 40011          | 60    | LIN. FT. | 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN (SEE SHEET [3 /52] )         | 60       |       |                 |         |
| 519     | 11101          | 21    | SQ. FT.  | PATCHING CONCRETE STRUCTURE, AS PER PLAN** (SEE SHEET [3/52])   | 21       |       |                 |         |
| SPECIAL | 60739900       | 531   | LIN. FT. | VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC (SEE SHEET [3/52])                                  |          |       | 531             |         |
| 815     | 00100          | LUMP  |          | SURFACE PREPARATION OF EXISTING STEEL, SYSTEM OZEU (SEE SHEET [2/52])                                   |          |       |                 | LUMP    |
| 815     | 00200          | LUMP  |          | FIELD PAINTING OF EXISTING STEEL, PRIME COAT, SYSTEM OZEU (SHEET [2/52])                                |          |       |                 | LUMP    |
| 815     | 00300          | LUMP  |          | FIELD PAINTING OF EXISTING STEEL, INTERMEDIATE COAT, SYSTEM OZEU (SHEET [2/52])                         |          |       |                 | LUMP    |
| 815     | 00400          | LUMP  |          | FIELD PAINTING OF EXISTING STEEL, FINISH COAT, SYSTEM OZEU (SHEET [2/52])                               |          |       |                 | LUMP    |
| 816     | 00610          | 1300  | POUND    | FIELD PAINTING OF NEW STEEL, INTERMEDIATE AND FINISH COAT, SYSTEM IZEU ([2/52])                         |          |       | 1300            |         |
| 842     | 81300          | 158   | EACH     | CONCRETE MISC.: DOWEL HOLES (SEE SHEET [2/52])  | 158      |       |                 |         |
| 843     | 50000          | 18    | SQ. FT.  | PATCHING CONCRETE STRUCTURE WITH TROWELABLE MORTAR** (SEE SHEET [3/52])                                 | 3        | 15    |                 |         |
| 844     | 48001          | 246   | CU. YD.  | HIGH PERFORMANCE CONCRETE, SUPERSTRUCTURE (DECK), AS PER PLAN (SHEET [2/52])                            |          |       | 246             |         |
| 844     | 48021          | 75    | CU. YD.  | HIGH PERFORMANCE CONCRETE, SUPERSTRUCTURE (PARAPET), AS PER PLAN (SHEET [2/52])                         |          |       | 75              |         |
| 844     | 48041          | 42    | CU. YD.  | HIGH PERFORMANCE CONCRETE, SUBSTRUCTURE, AS PER PLAN (SEE SHEET [2/52])                                 | 42       |       |                 |         |
| 844     | 49000          | LUMP  |          | HIGH PERFORMANCE CONCRETE, TRIAL MIX  |          |       |                 | LUMP    |
| 844     | 49010          | LUMP  |          | HIGH PERFORMANCE CONCRETE, TESTING  |          |       |                 | LUMP    |
| 863     | 10201          | 1300  | POUND    | STRUCTURAL STEEL MEMBERS, MISCELLANEOUS LEVEL FABRICATION, AS PER PLAN (SEE SHEET [2 /52])              |          |       | 1300            |         |
| 863     | 20000          | 2560  | EACH     | WELDED STUD SHEAR CONNECTOR   |          |       | 2560            |         |

\*SEE PROPOSAL NOTES

\*\*A PORTION OF THIS ITEM IS SUBJECT TO NON-PERFORMANCE WITHOUT PENALTY TO THE STATE OF OHIO.

|               |               |
|---------------|---------------|
| CALC LABEL    | OHIO          |
| BY: DATE:2-94 | 81            |
| CHK'D BY: LYH | 92            |
| DATE:2-94     | FHWA REGION 5 |

**LAKE COUNTY**  
**LAK-90-17.42/25.15/27.76**

THE OSBORN ENGINEERING COMPANY 41/52  
CONSULTING ENGINEERS  
CLEVELAND, OHIO 44114

**ESTIMATED QUANTITIES**

BRIDGE NO. LAK-90-2776  
BATES ROAD OVER I-90

|          |       |        |         |          |      |                            |
|----------|-------|--------|---------|----------|------|----------------------------|
| DESIGNED | DRAWN | TRACED | CHECKED | REVIEWED | DATE | REVISED                    |
| LYH      | LBEL  |        | JRS     | GA       | 2/94 | 0001<br>6/17/94<br>5/24/99 |