## BILL OF MATERIALS
## SKEWED STRUCTURES - ONE SLAB

| BRIDGE APPROACH WIDTH | EPOXY COATED REINFORCING BARS | | | |
|---|---|---|---|---|
| | LONGIT. BARS, AREA (A) | | TRANSV. BARS. AREA (A) | |
| | NO. | SIZE x LGTH. OR MARK | NO. | SIZE |
| 24'-0 | 24 | 491 | 21 | #4 |
| | 48 | 591 | 11 | #5 |
| 25'-0 | 26 | 491 | 21 | #4 |
| | 51 | 591 | 11 | #5 |
| 25'-0 | 26 | 491 | 21 | #4 |
| | 52 | 591 | 11 | #5 |
| 27'-0 | 28 | 491 | 21 | #4 |
| | 55 | 591 | 11 | #5 |
| 29'-0 | 30 | 491 | 21 | #4 |
| | 59 | 591 | 11 | #5 |
| 31'-0 | 32 | 491 | 21 | #4 |
| | 63 | 591 | 11 | #5 |
| 33'-0 | 34 | 491 | 21 | #4 |
| | 67 | 591 | 11 | #5 |
| 35'-0 | 36 | 491 | 21 | #4 |
| | 71 | 591 | 11 | #5 |
| 37'-0 | 38 | 491 | 21 | #4 |
| | 75 | 591 | 11 | #5 |
| 39'-0 | 40 | 491 | 21 | #4 |
| | 79 | 591 | 11 | #5 |
| 40'-0 | 41 | 491 | 21 | #4 |
| | 81 | 591 | 11 | #5 |
| 42'-0 | 42 | 491 | 42 | #4 * |
| | 83 | 591 | 22 | #5 ** |
| 44'-0 | 46 | 491 | 42 | #4 * |
| | 91 | 591 | 22 | #5 ** |

* Bars lapped 1'-7 at centerline of roadway if bar exceeds 40'-0.
** Bars lapped 2'-0 at centerline of roadway if bar exceeds 40'-0.

## NOTES

1. The Bill of Materials shall be used to determine the longitudinal bar requirements in Area (A) shown on Standard Drawing E 609-RCBA-04 for skewed structures.
2. See the plans for longitudinal bars required in Area (B), all transverse bars, total mass of steel and bridge approach area for skewed structures.
3. All reinforcing bars shall be epoxy coated.

INDIANA DEPARTMENT OF TRANSPORTATION

**REINFORCED CONCRETE BRIDGE APPROACH**

**MARCH 2004**

**STANDARD DRAWING NO. E 609-RCBA-06**

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 3-01-04
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Smutzer 3-01-04
CHIEF HIGHWAY ENGINEER DATE