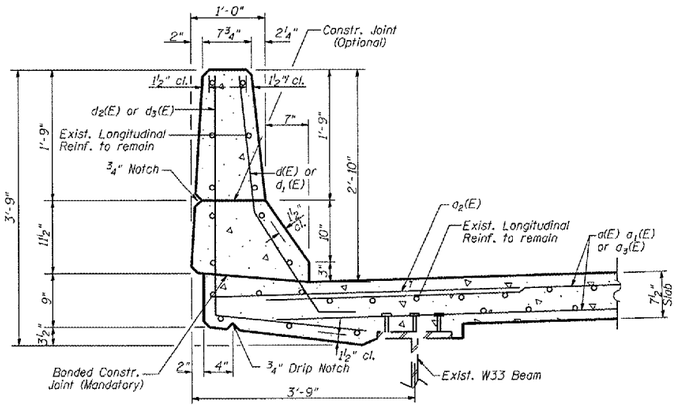
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTRACT NO. 72659

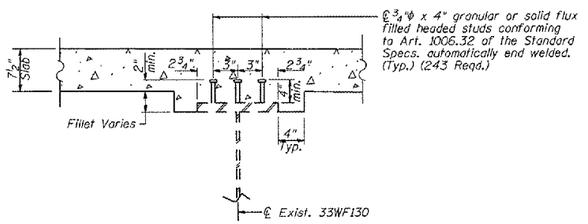
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| * | ** | SANGAMON | 248 | 218 |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

Sheet No. 6 of 7 Sheets

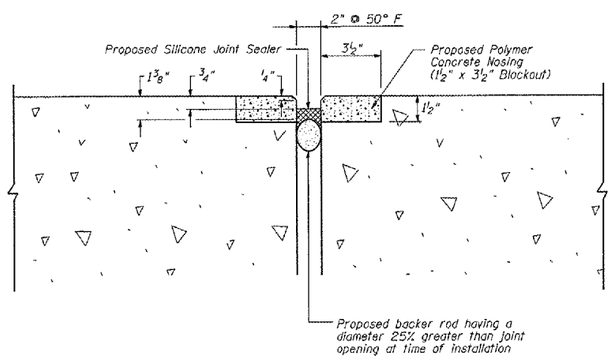
* F.A.I. 55, F.A.I. 72, F.A.P. 666
** D6 Interstate RS, BR, M CAB 2008



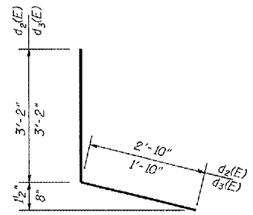

SECTION C-C
(Showing Proposed Parapet)



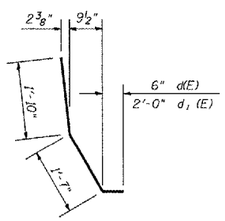

SECTION D-D
(Showing Proposed Shear Studs)



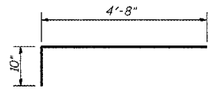

SILICONE JOINT DETAIL



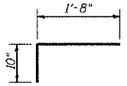

d₂(E) or d₃(E) Bar



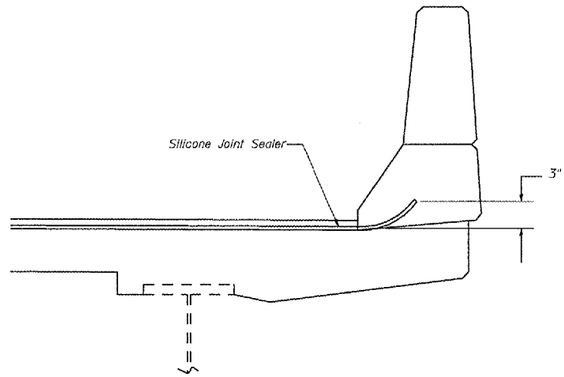

d(E) Bar or d₁ (E) Bar




X (E) Bar




X₁(E) Bar




TYPICAL END OF SEAL TREATMENT

## BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| a (E) | 29 | #5 | 26'-8" | |
| $a_1$(E) | 20 | #5 | 27'-1" | |
| $a_2$(E) | 18 | #6 | 4'-0" | |
| $a_3$(E) | 9 | #5 | 24'-3" | |
| | | | | |
| h (E) | 10 | #6 | 27'-5" | |
| $h_1$(E) | 5 | #6 | 27'-10" | |
| $h_2$(E) | 5 | #6 | 25'-0" | |
| | | | | |
| d (E) | 18 | #5 | 3'-11" | L |
| $d_1$(E) | 8 | #5 | 5'-5" | L |
| $d_2$(E) | 18 | #4 | 6'-0" | L |
| $d_3$(E) | 8 | #4 | 5'-0" | L |
| | | | | |
| x (E) | 54 | #5 | 5'-6" | ⌐ |
| $x_1$(E) | 51 | #5 | 2'-6" | ⌐ |
| | | | | |
| Concrete Removal | | | Cu. Yd. | 18.3 |
| Concrete Superstructure | | | Cu. Yd. | 18.3 |
| Bridge Deck Grooving | | | Sq. Yd. | 37 |
| Protective Coat | | | Sq. Yd. | 60 |
| Stud Shear Connectors | | | Each | 243 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 3180 |
| Bar Splicers | | | Each | 39 |
| Polymer Concrete | | | Cu. Ft. | 7.5 |
| Silicone Joint Sealer, 2" | | | Foot | 105 |

## NOTES:

1. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of Concrete Removal.
2. Abrasive blasting and priming of the Concrete Surfaces shall be performed in accordance with the surface preparation requirements of the special provision for "Silicone Bridge Joint Sealer."
3. Joint openings shall be adjusted according to Article 503.10 (c) of the Standard Specifications when ambient temperature is other than 50° F.
4. Work this Sheet With Sheet 4 of 7 and Sheet 5 of 7.

EAST & WEST ABUTMENT
DECK REPAIR DETAILS
F.A.I. 55, F.A.I. 72, F.A.P. 666
Section D6 Interstate, R5, BR, M CAB 2008
Sangamon County
WB I-72 Over BU-55
S.N. 084-0076

Rev.

BLANK, WESSELINK, COOK & ASSOCIATES ENGINEERS - CONSULTANTS DECATUR, ILLINOIS