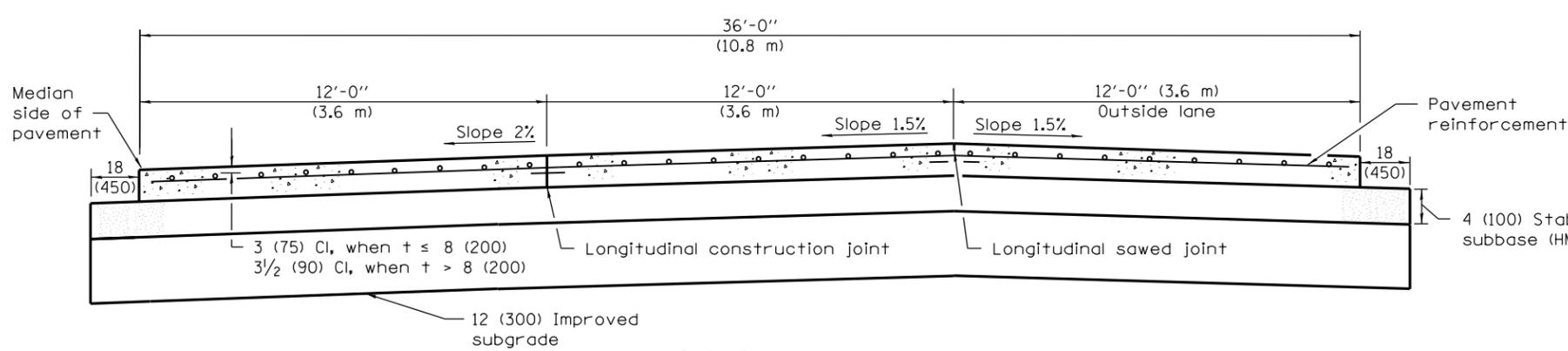
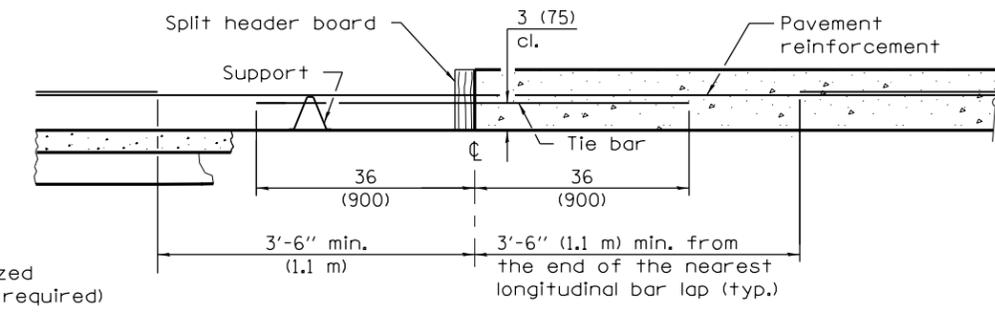


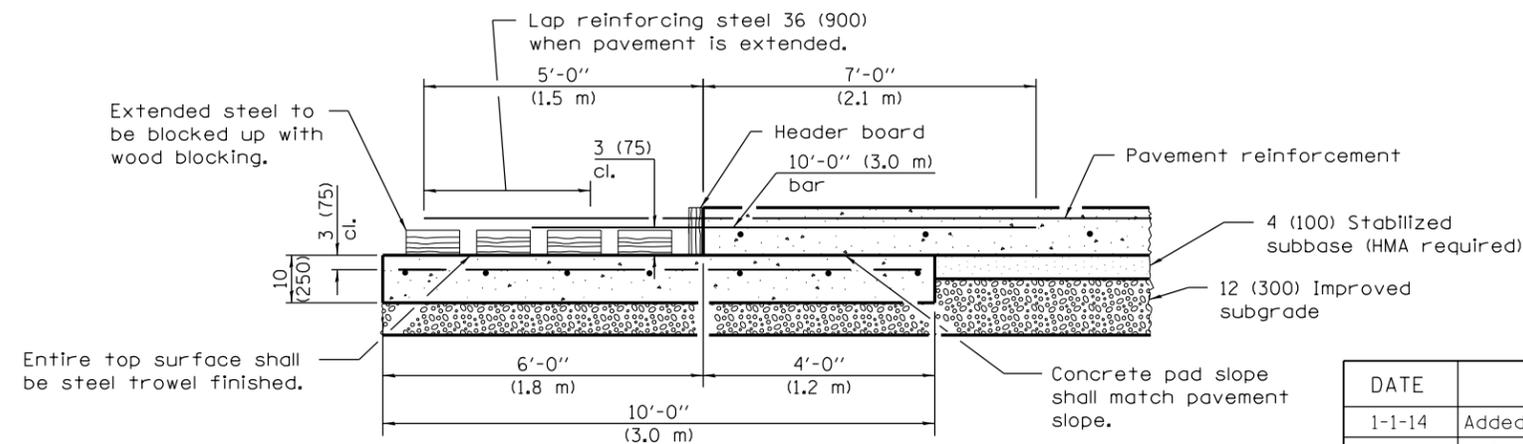
PLAN



SECTION A-A
(TYPICAL 3-LANE, 1-WAY WITH SHOULDERS)



TRANSVERSE CONSTRUCTION JOINT



TRANSVERSE TERMINAL JOINT
SECTION B-B

GENERAL NOTES

Sealant components for the wide flange beam terminal joint shall be as follows: The sealant shall be Dow Corning 888 Silicone Highway Joint Sealant. The tape shall be Polyethylene Tape No. 40. The primer, used on the metal only, shall be Dow Corning 1200. At the Contractor's option the joint may be sealed as shown in the optional groove detail.

See Standard 421001 for details of pavement reinforcement.

See Standards 420001 and 420401 for joint details not shown.

All dimensions shall be in inches (millimeters) unless otherwise shown.

| DATE | REVISIONS |
|--------|---|
| 1-1-14 | Added exp. jnts. in shlds. & omitted bars, cnst. jnt. over wide flange beam slpr. slab. |
| 1-1-11 | Corrected weld symbol on OPTIONAL ADJUSTABLE CHAIR detail. |

36' (10.8 m)
CRC PAVEMENT
(WITH WIDE FLANGE BEAM TERMINAL JOINT)
(Sheet 1 of 2)

STANDARD 421106-09

Illinois Department of Transportation

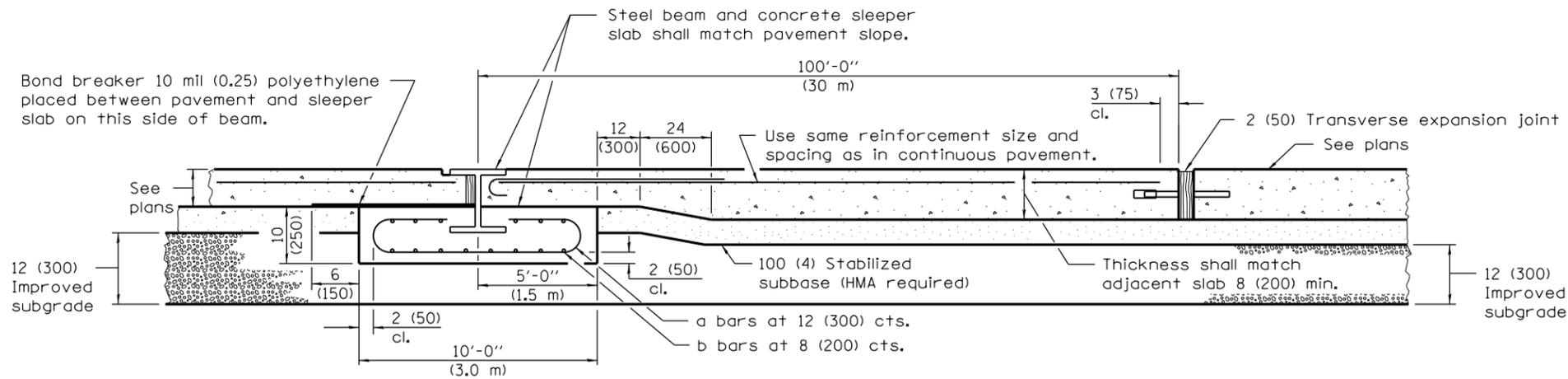
PASSED January 1, 2014

Michael Beard
ENGINEER OF POLICY AND PROCEDURES

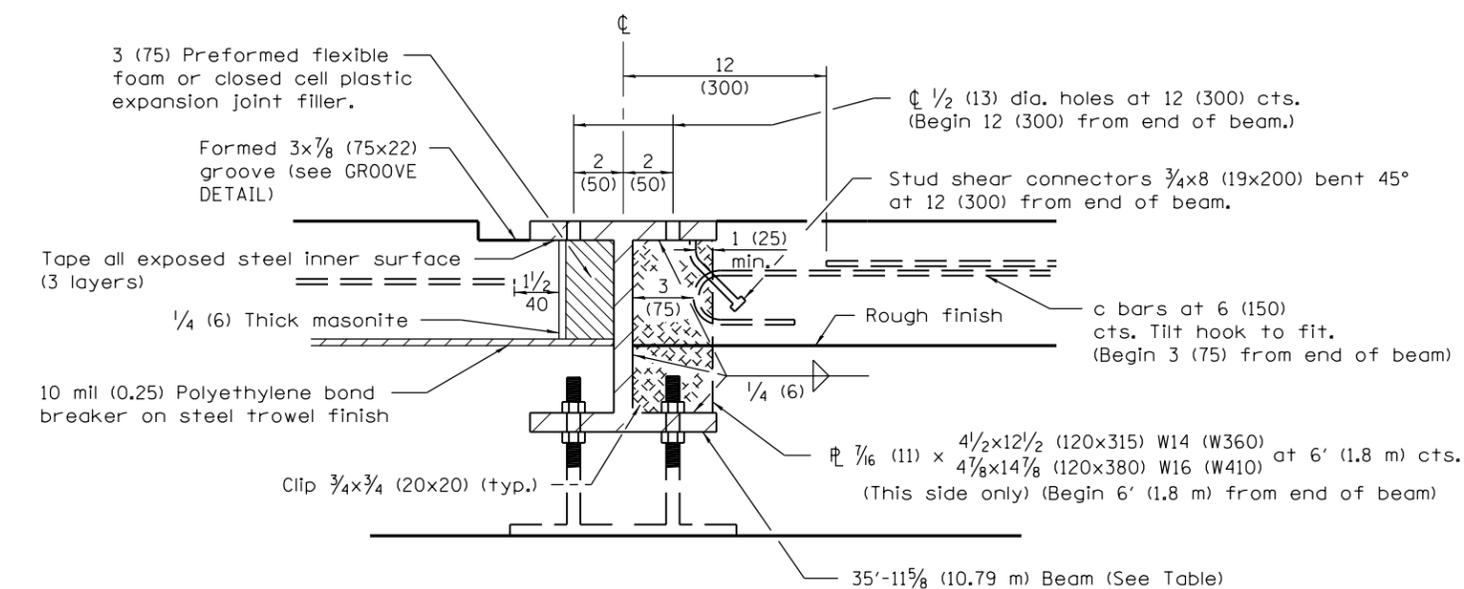
APPROVED January 1, 2014

ENGINEER OF DESIGN AND ENVIRONMENT

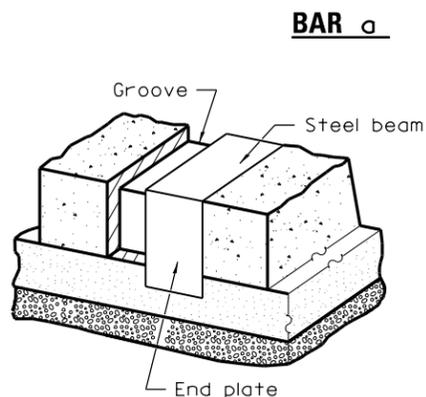
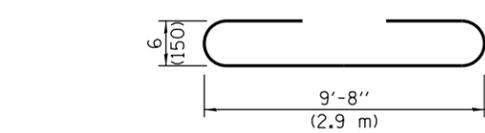
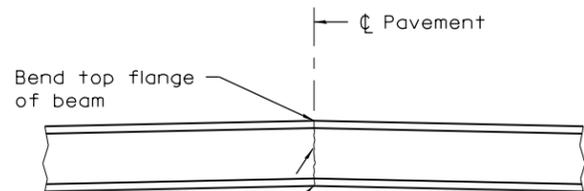
ISSUED 1-1-97



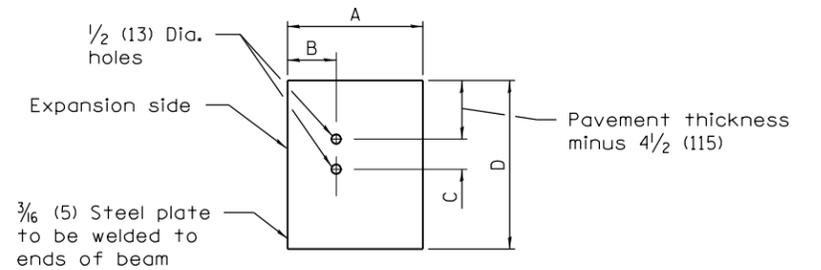
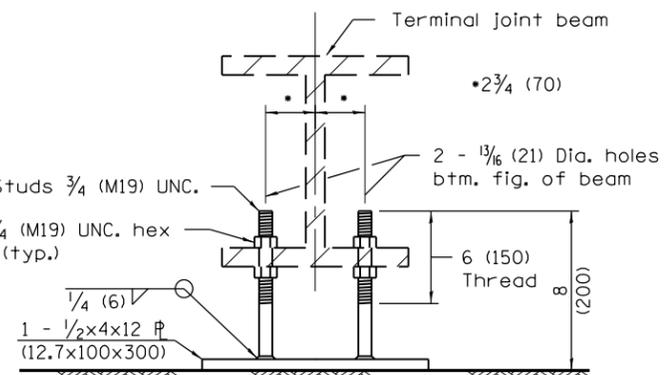
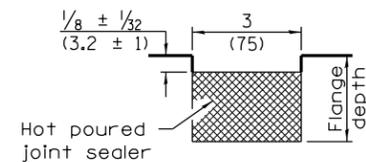
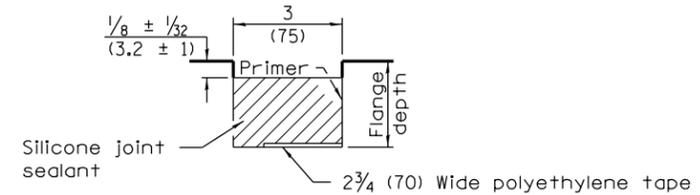
WIDE FLANGE BEAM TERMINAL JOINT



DETAIL AT BEAM



VIEW OF GROOVE AT EDGE OF PAVEMENT



| PAVEMENT THICKNESS | < 10 (250) | ≥ 10 (250) |
|--------------------|------------------------|------------------------|
| BEAM SIZE | W14X82 (W360X122) | w16x100 (W410x149) |
| A | 10 $\frac{1}{8}$ (255) | 10 $\frac{3}{8}$ (265) |
| B | 4 $\frac{5}{16}$ (110) | 4 $\frac{7}{16}$ (115) |
| C | 3 (75) | 4 (100) |
| D | 14 $\frac{1}{4}$ (360) | 17 (430) |

| MATERIALS REQUIRED FOR ONE TRANSVERSE TERMINAL JOINT COMPLETE | |
|---|------------|
| Concrete, cu. yds. (m ³) | 11.1 (8.1) |
| Reinforcement bars, lbs. (kg) | 523 (235) |
| Pavement reinforcement, sq. yds. (m ²) | 20 (16.2) |

| MATERIALS REQUIRED FOR ONE WIDE FLANGE BEAM TERMINAL JOINT COMPLETE | | | | |
|---|-----|----------------|-----------------|-------|
| Bar | No. | Size | Length | Shape |
| a | 36 | No. 4 (No. 13) | 19'-0" (5.8 m) | |
| b | 29 | No. 5 (No. 16) | 35'-8" (10.7 m) | |
| c | 72 | No. 6 (No. 19) | 8'-6" (2.6 m) | |
| Concrete, cu. yds. (m ³) | | 11.1 (8.1) | | |
| Reinforcement Bars, lbs. (kg) | | 2455 (1115) | | |
| Structural Steel, lbs. (kg) | | W14 (W360) | 3040 (1360) | |
| | | W16 (W410) | 3710 (1655) | |
| • Weight includes beam, end plates, stiffener plates and studs. | | | | |
| Pavement, sq. yds. (m ²) | | 400 (324) | | |
| Pavement Reinforcement, sq. yds. (m ²) | | 400 (324) | | |
| 4 (100) Stabilized Subbase, sq. yds. (m ²) | | 411.6 (333.5) | | |
| Improved Subgrade, sq. yds. (m ²) | | 433.3 (351) | | |

36' (10.8 m) CRC PAVEMENT

(WITH WIDE FLANGE BEAM TERMINAL JOINT) (Sheet 2 of 2)

STANDARD 421106-09

Illinois Department of Transportation

PASSED January 1, 2014

Michael Beard
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2014

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97