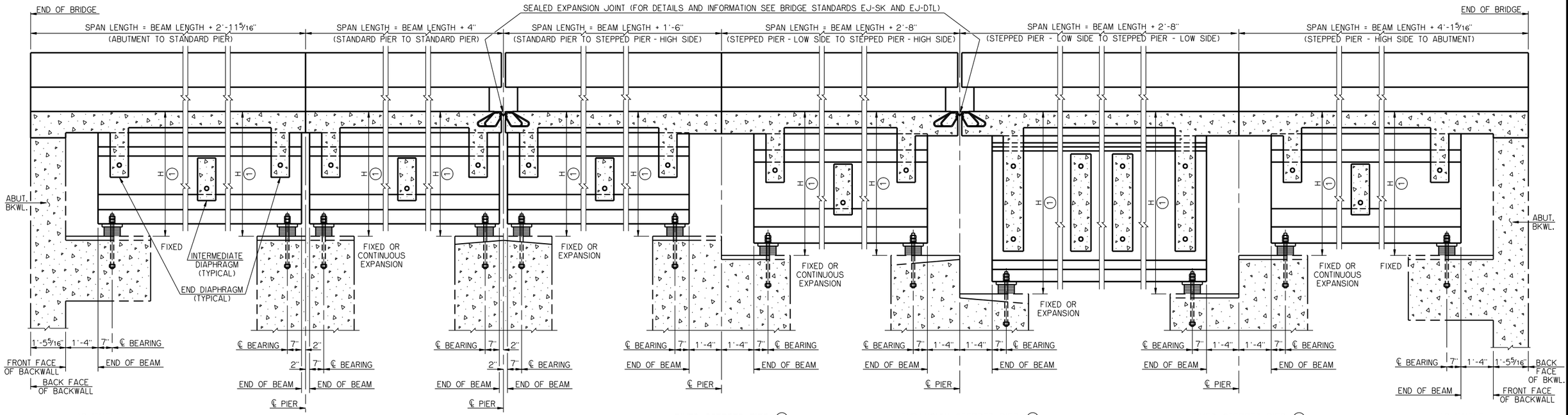



ABUTMENT
TYPE III P.C. BEAM SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

FIXED STANDARD PIER ②
TYPE III P.C. BEAMS SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

EXPANSION STANDARD PIER ③
TYPE III P.C. BEAMS SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

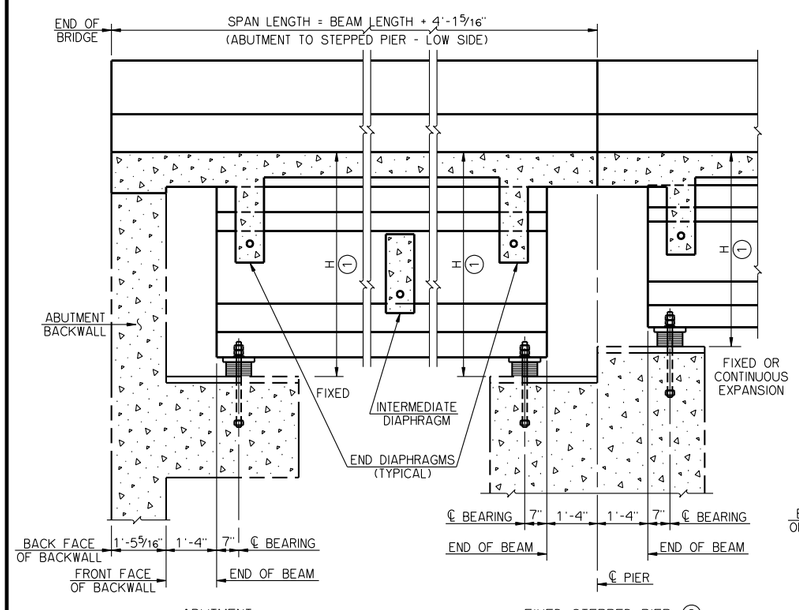
FIXED STEPPED PIER ②
TYPE III P.C. BEAM AND TYPE IV P.C. BEAM SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

EXPANSION STEPPED PIER ③
TYPE IV P.C. BEAM AND TYPE BT-72 P.C. BEAM SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

FIXED STEPPED PIER ②
TYPE BT-72 P.C. BEAM AND TYPE IV P.C. BEAM SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

ABUTMENT
TYPE IV P.C. BEAM SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

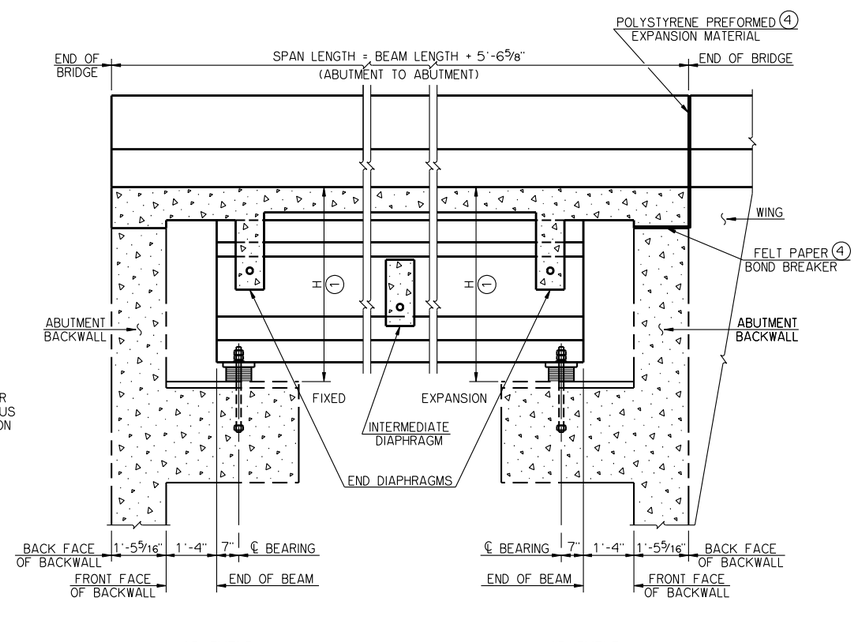
## LONGITUDINAL SECTION




ABUTMENT
TYPE IV P.C. BEAM SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

FIXED STEPPED PIER ②
TYPE IV P.C. BEAM AND TYPE III P.C. BEAM SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

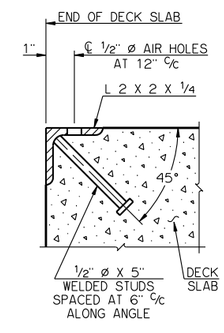
## LONGITUDINAL SECTION



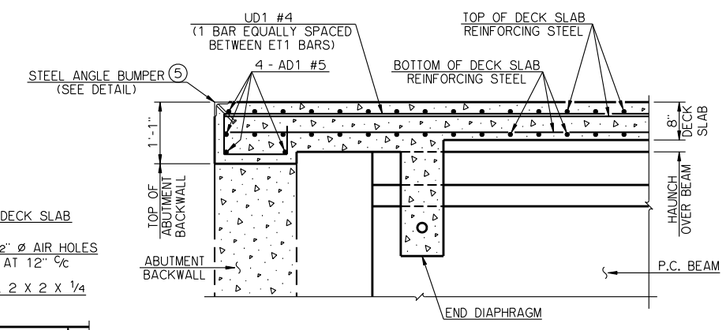

ABUTMENT
TYPE III P.C. BEAM SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

ABUTMENT
TYPE III P.C. BEAM SHOWN
ALL OTHER P.C. BEAM TYPES ARE SIMILAR

## LONGITUDINAL SECTION




## DETAIL OF STEEL ANGLE BUMPER




## TYPICAL SLAB REINFORCING AT ABUTMENT BACKWALL

| SCHEDULE FOR DIMENSION H | |
|---|---|
| P.C. BEAM | H |
| TYPE II | 4'-3 1/8" |
| TYPE B | 4'-1 1/8" |
| TYPE III | 5'-0 1/8" |
| TYPE C | 4'-7 1/8" |
| TYPE IV | 5'-9 5/8" |
| TYPE BT-72 | 7'-4 5/8" |
| TYPE J | 7'-5 1/8" |

① DIMENSION IS FROM TOP OF DECK SLAB TO BOTTOM OF BEARING ASSEMBLY AT ℄ BEARING.

② FIXED PIER DESIGNATION INDICATES CONTINUOUS DECK SLAB OVER PIER. ENGINEER SHALL DETERMINE WHETHER FIXED OR EXPANSION BEARING ASSEMBLIES ARE REQUIRED.

③ EXPANSION PIER DESIGNATION INDICATES EXPANSION JOINT IN DECK SLAB OVER PIER. EXPANSION PIER REQUIRES EXPANSION BEARING ASSEMBLIES IN AT LEAST ONE OF THE SPANS. ENGINEER SHALL DETERMINE WHETHER FIXED OR EXPANSION BEARING ASSEMBLIES ARE REQUIRED IN THE ADJACENT SPAN.

④ AT EXPANSION ABUTMENTS, FELT PAPER BOND BREAKER SHALL BE PLACED ON TOP OF THE BACKWALL FOR THE FULL WIDTH OF THE DECK SLAB, AND 3/4" THICK POLYSTYRENE PREFORMED EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE END OF THE DECK SLAB AND THE ENDS OF THE WINGS AND BETWEEN THE ENDS OF THE CONCRETE TRAFFIC RAILS (TR3) ON THE DECK SLAB AND WINGS. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

⑤ STEEL ANGLE BUMPERS SHALL BE OMITTED FROM ENDS OF DECK SLABS ADJOINING AN APPROACH ROADWAY COMPRISED OF ASPHALT OR P.C. CONCRETE PAVEMENT.

APPROVED BY BRIDGE ENGINEER Robert J Dwyer DATE 9-9-2011

OKLAHOMA DEPARTMENT OF TRANSPORTATION
COUNTY BRIDGE STANDARD (ENGLISH)

# LONGITUDINAL SECTION
# P.C. BEAMS

32' CLEAR ROADWAY - CONVENTIONAL - SKEWED 30°

2009 SPECIFICATIONS | CB32-C-SK30-LSECT-PCB | 01E

CB-605E