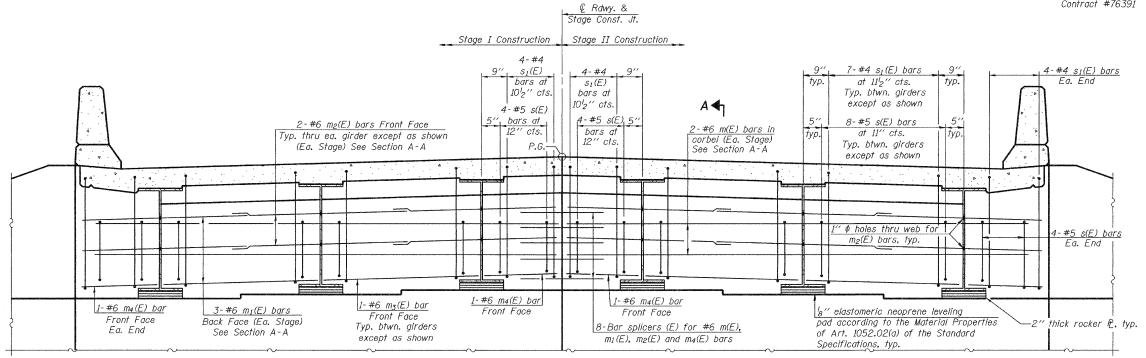
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ROUTE NO. SHEET NO. F.A.P. 45 139BR BOND 59 FED. ROAD DIST. NO. 7

SHEET NO. 12 *19* SHEETS

Contract #76391



DIAPHRAGM ELEVATION AT EAST ABUTMENT

(Looking East-West Abutment similar)

4'-0" 6'-0" Bar Splicers (E) for -b(E)— a(E) #5 bars at 12" cts. -- Const. Joints -s₁(E) $b_1(E) \perp \bigsqcup_{a_1(E)}$ Level /W. Abut. Elev.498.26 $\sim v(E)$ E. Abut. Elev. 496.71 $m_2(E)$ — -- m(E) Varies from 2'-11" $m_I(E)$ to 2'-8" at W. Abut. typ. s(E) Varies from 2'-10'2" to 2'-7³8" at E. Abut. $m_4(E)$ Varies-Const. Joint 2" thick Rocker P_-#5 v1(E) bars at 12" cts. See shts. Abut. ^l8" elastomeric neoprene leveling 14 & 15 of 18. pad according to the Material Properties of Art. 1052.02(a) of the Std. Spec's. Cost included with slotted hole in the bottom flange (one Furnishing and Erecting Structural © Abut.— each side of web). Contractor has option of cast in place or drilled installation.

 $A \blacktriangleleft \bot$

DIAPHRAGM DETAILS F.A.P. ROUTE 42 - SECTION 139BR BOND COUNTY

MIN. BAR LAP

#6 bar = 2'-7"

STATION 2049+33.51 STRUCTURE NO. 003-0061

DESIGNED Phillip R. Litchfield

CHECKED Nick R. Barnett DRAWN R. Sommer

CHECKED P.R.L./N.R.B.

Notes: Reinforcement bars in diaphragm are billed with

Concrete in diaphragm is included with Concrete

For bar splicer (E) details see sheet 18 of 19.

For details of bars s(E) & $s_1(E)$ see sheet 11 of 19.

See sheet 13 of 19 for holes thru web for m₂(E) bars.

superstructure on sheet 11 of 19.

Superstructure on sheet 11 of 19.

SECTION A-A