STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION Stage II Construction Stage I Construction € Roadway, P.G. & Stage Constr. Joint 11" 3-#4 typ. s1(E) <u>11"</u> typ. 3-#4 11" 5-#4 s1(E) bars s1(E) typ. at 12" cts. bars at Typ. btwn. bms. bars at 12" cts. 12″ cts. (except as shown) 7¹2" 3-#5 s(E) Typ. bars at 3-#5 s(E) 7'2" bars at typ. 7'2" Typ. 6-#5 s(E) bars at 11'' cts. 2-#6 m(E) bars 12" cts. 12" cts. Typ. btwn. bms. A 4 in corbel (Each Stage) (except as shown) 1 1 ĦĦ for m₂(E) bars, typ. 8 Bar Splicers (E) for 1-#6 m₄(E) bar 3-#6 m1(E) bars 2" thick Front Face Front Face (Each Stage) $m(E), m_1(E), m_2(E)$ and Back Face (Each Stage) Rocker Plate m4(E) bars

> $A \blacklozenge^{l}$ l_{g}'' elastomeric neoprene leveling pad according to _ Article 1052.02 of the Standard Specifications (typ.)

2-#6 m₂(E) bars Front Face Typ. thru Each Beam (Each Stage)

DIAPHRAGM ELEVATION AT WEST ABUTMENT (Looking West)



Reinforcement bars in diaphragm are billed with superstructure on sheet 12 of 21. Concrete in diaphragm is included with Concrete Superstructure on sheet 12 of 21. For details of bars $s(E) \& s_1(E)$ see sheet 12 of 21.

The s(E) and $s_1(E)$ bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

MIN. BAR LAP

#6 bar = 2'-7''



| DESIGNED | К.М.М. | | |
|----------|------------------|--|--|
| CHECKED | L.D.G. | | |
| DRAWN | K.H.L. | | |
| | B.G.H. | | |
| | | | |
| SI-DS2 | 5- <i>1</i> 6-08 | | |

HENRY MEISENHFIMER & GENDE, INC. LAKE ROAD. P.O. BOX 70 CARLYLE, ILL. 62231 (618) 594-3711 WWW.HMGENGINEERS.COM



INTEGRAL ABUTMENT DIAPHRAGM DETAILS

| 0. 13 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
|-------|--|---------------|----------|-----------------|--------------|--|
| 01 10 | 325 | 3BR-2 | JERSEY | 90 | 54 | |
| TS | | S.N. 042-0041 | CONTRACT | NO. 76 | B01 | |
| | FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT | | | | | |

H.M. & G. NO. 6020.111