



PLAN



Allen Henderson & Associates, Inc.  
Civil and Structural Engineers Springfield, IL  
62703 Phone: (217)544-8033 IL Design Firm  
No. 184-001907

|   |             |           |         |              |           |
|---|-------------|-----------|---------|--------------|-----------|
| SHEET NO. 6<br>14 SHEETS                      | F.A.P. RTE. | SECTION   | COUNTY  | TOTAL SHEETS | SHEET NO. |
|   | 690         | 14-12BR-1 | CLINTON | 72           | 26        |
| CONTRACT NO. 76B27                            |             |           |         |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |             |           |         |              |           |

**SUPERSTRUCTURE DETAILS**  
IL. ROUTE 160 OVER U.S. ROUTE 50  
S.N. 014-0065

**CURB SECTION MAIN SPANS**  
(Approach similar except watertable - See Detail A)

**SECTION C-C**

**SECTION B-B**

**SECTION A-A**  
(Horiz. Dim. @ Rt. L's. Typ.)

**DETAIL A**

Bridge deck micro-silica concrete overlay 2 1/4"  
Exist. 1"x1 1/2" steel bar to be removed. Grind angle smooth. Cost included with "Polymer Concrete."  
Existing concrete approach pavement  
Polymer Concrete Nosing  
3/4" Drip Notch (Full Length)  
Existing Reinf.

7 3/4"  
2"  
2 1/4"  
7"  
d1(E)  
1'-9"  
d2(E)  
10"  
2'-10 1/2"  
10"  
a4(E)  
9"  
3 1/2"  
1 1/2"  
a3(E)  
9"  
1'-0"  
Existing Reinf.

See Sheet 8 of 14 for Preformed Joint Strip Seal  
Bonded Const. Jt.  
2'-6"  
2'-5 1/2"  
x1(E)  
Bk. of Abut.  
See Sheet 8 of 14 for Preformed Joint Strip Seal  
Bonded Const. Jt.  
2'-6"  
2'-5 1/2"  
x1(E)  
Bk. of Abut.  
a1(E) or a2(E)  
a3(E)  
a1(E) or a2(E)

2" @ 50°F  
2'-6"  
2'-5 1/2"  
x(E)  
Bk. of Abut.  
Bonded Const. Jt.  
Bonded Const. Jt.  
a3(E)  
a(E)

3-#6a4(E) bars at 11" cts. Top (Ea. Corner) (Lap with alternate a(E) bars)  
3-#6a4(E) bars at 11" cts. Top (Ea. Corner) (Lap with alternate a3(E) bars)

24-#5x(E) bars at 12" cts. Stage I Const. (Ea. Abut.)

5-#5c1(E) bars at 5 1/2" cts. (Stage I) (Ea. Abut.)

5-#4c2(E) bars at 5 1/2" cts. (Stage I) (Ea. Abut.) (Vaulted spans only)

17-#5x1(E) and #5c3(E) bars at 12" cts. (Ea. Abut.) (10 - Stage I, 7 - Stage II)

5-#5c(E) bars at 5 1/2" cts. Stage I Const. (Ea. Abut.)

5-#5c(E) bars at 5 1/2" cts. Stage I Const. (Ea. Abut.)

5-#5a1(E) bars at 5 1/2" cts. Stage I Const. (Top & Bott.) (Ea. Abut.)

5-#5a1(E) bars at 5 1/2" cts. Stage I Const. (Top & Bott.) (Ea. Abut.)

5 Bar Splicers (E) for #5 bars Top & Bott. (Ea. Abut.)

5 Bar Splicers (E) for #5 bars Top & Bott. (Ea. Abut.)

5-#5a2(E) bars at 5 1/2" cts. Stage II Const. (Top & Bott.) (Ea. Abut.)

5-#5a2(E) bars at 5 1/2" cts. Stage II Const. (Top & Bott.) (Ea. Abut.)

5-#5c(E) bars at 5 1/2" cts. Stage II Const. (Ea. Abut.)

5-#5c(E) bars at 5 1/2" cts. Stage II Const. (Ea. Abut.)

End of Approach Slab

End of Approach Slab

5-#5a3(E) bars at 5 1/2" cts. Stage II Const. (Top & Bott.) (Typ. Each Abutment) (Vaulted spans only)

5-#5a(E) bars at 5 1/2" cts. Stage II Const. (Top & Bott.) (Typ. Each Abutment)

3-#5d1(E) bars at 11" cts. I.F. (Ea. Corner)  
3-#4d(E) bars at 12" cts. O.F. (Ea. Corner)

3-#5d(E) bars at 11" cts. I.F. (Ea. Corner)  
3-#4d(E) bars at 12" cts. O.F. (Ea. Corner)

