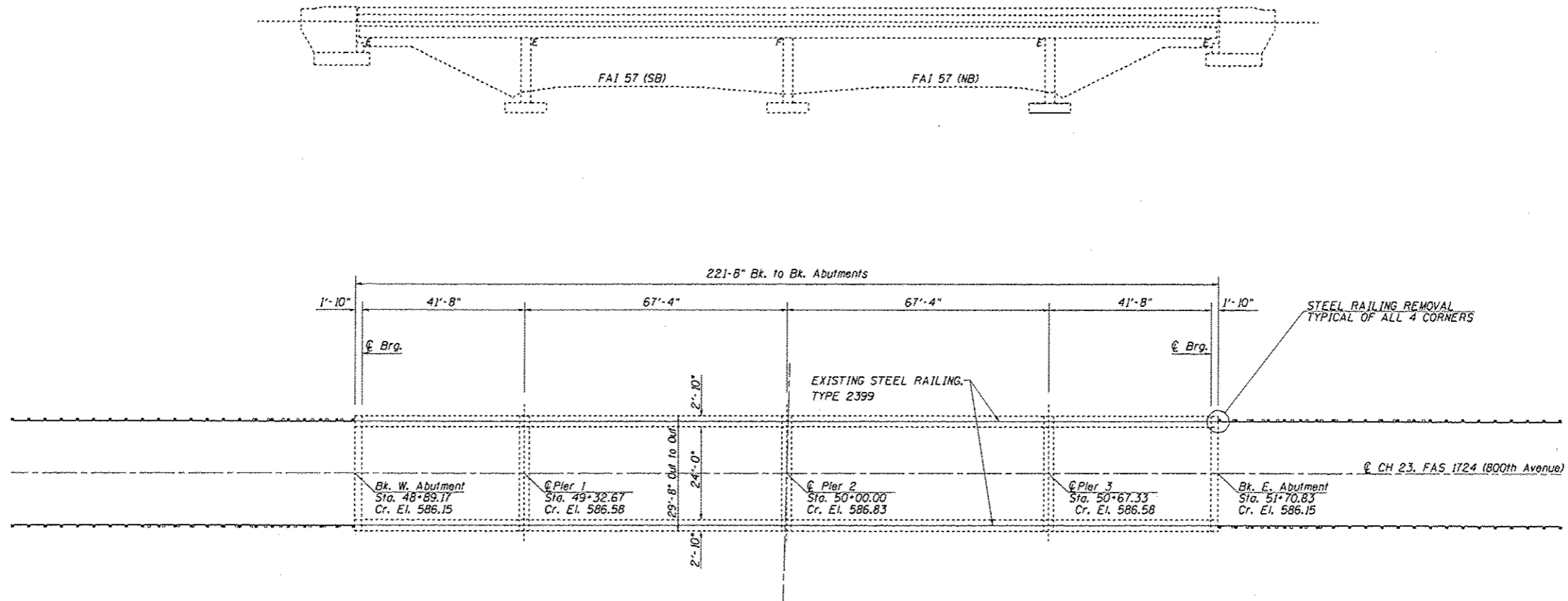


The existing four span continuous steel multi-beam structure was constructed in 1962 as CH 23 section 25-7HB-1 at Sta. 4780+17.28. SN 025-0053 carries CH 23, FAS 1724 (800th Avenue). The proposed project consists of removing the tapered ends on the existing Steel Railing, Type 2399 to be able to attach Traffic Barrier Terminal Type 6A.



**DESIGN STRESSES**  
 $f_c = 1,400$  p.s.i. Super  
 $v_c = 75$  p.s.i. Footings  
 $f_s = 20,000$  p.s.i. Reinf.  
 $f_s = 18,000$  p.s.i. Struct.  
 $n = 10$



*David Carl Puzey* 10/20/14  
 Expires 11/30/14

**BILL OF MATERIAL**

| Item                   | Unit | Quantity |
|------------------------|------|----------|
| Steel Railing, Removal | Foot | 6.3      |

|             |                              |                       |           |   |   |               |           |                    |         |        |              |           |
|-------------|------------------------------|-----------------------|-----------|---|---|---------------|-----------|--------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = staffcar         | DESIGNED - <b>KAD</b> | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>GENERAL PLAN &amp; ELEVATION<br/>SN 025-0053</b> |               |           | F.A.I. RTE. =      | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| Default     | 4630-ehi-details.dgn         | DRAWN -               | REVISED - |   | 57  | (25-6, 7RS-2) | EFFINGHAM | 63                 | 492     |        |              |           |
|             | PLOT SCALE = 100.0000' / in. | CHECKED - <b>VHV</b>  | REVISED - |   | SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.         |               |           | CONTRACT NO. 74638 |         |        |              |           |
|             | PLOT DATE = 9/8/2014         | DATE -                | REVISED - |   | (ILLINOIS) FED. AID PROJECT                         |               |           |                    |         |        |              |           |