



**SHOP ASSEMBLY DIAGRAM  
BOX GIRDER AT PIER 2 & INTEGRAL DIAPHRAGMS**

SEE SHEETS HE5, HE6 & HE7 FOR ERECTION DETAILS AT BOX GIRDER.  
SEE SHEET HE12 & HE13 FOR ERECTION DETAILS AT INTEGRAL DIAPHRAGMS.

- SHOP NOTES**
- GIRDERS ARE TO BE SHOP ASSEMBLED IN THE CAMBERED AND CURVED POSITION WITH THE SPLICES AND BEARINGS BLOCKED TO THE DIMENSIONS SHOWN WITHOUT INDUCING STRESS INTO THE MEMBERS.
  - ALL DIM'S. ARE GIVEN ALONG REF. LINES 'X-X' & 'Y-Y' OR PERPENDICULAR TO REF. LINES. THE DIMENSIONS ARE HORIZONTAL AND DO NOT REFLECT ANY CHANGE DUE TO GRADE.
  - ELEVATIONS SHOWN THUS  $\boxed{1'-0''}$  ARE FROM SHOP FLOOR TO THE BOTTOM OF BOTTOM FLANGE.
  - ELEVATIONS SHOWN THUS  $\circledast{1'-2''}$  ARE FROM SHOP FLOOR TO THE BOTTOM OF BOTTOM FLANGE, THEORETICAL VALUES THAT MAY VARY SLIGHTLY DEPENDING ON FINAL SHOP CAMBER ( $\pm$  FAB. TOLERANCE).
  - ⊙ DENOTES LOWEST ELEVATION POINT FOR THE ENTIRE ASSEMBLY.

**SHOP ASSEMBLY DIAGRAM**

PDC Sample DWG 504  
FAIRFAX COUNTY, VA  
HIRSCHFELD INDUSTRIES, LLC  
FLUOR LANE, LLC  
VDOT 2010

|                |               |
|----------------|---------------|
| FABRICATED BY  | CLIFAX        |
| HOLES          | SHOP FASTENED |
| SHOP PAINT     |               |
| SHOP INSPECTOR |               |
| REVISIONS      |               |
| NO.            | BY            |
| 1              | R1            |

PROJECT No. 0267-029-145, B671  
STA: 433+00.18 TO STA: 441+72.77  
UPC No. 94524  
FHWA CONST. & SCOUR CODE: X771-SN

ORDER NO. 10-18662H22  
DETAILS OF SHOP ASSEMBLY DIAGRAM  
BOX GIRDER AT P2 & INTEG. DIAPH'S.  
PROJECT BRIDGE ON RAMP DARWIN & DARWIN  
OVER DULLES TOLL ROAD EB (RTE 267)  
LOCATION FAIRFAX COUNTY, VA  
CUSTOMER FLUOR LANE, LLC

**HIRSCHFELD INDUSTRIES**  
BRIDGE  
GREENSBORO, NC (336) 275-9711

MADE BY WS  
CHECKED BY PDC/SB  
SQUAD LEADER Precise Drafting Co, Inc.  
DATE 05-2010

SHEET HE52