

Benchmark: #508 Chiseled "□" on W. Headwall of Box Culvert (N. End) 1.2 miles S. of Rte. 136 on TR850 E Elevation = 610.51

Existing Structure: None

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
F.A.P. 315	55-2	McDONOUGH	1025	479
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

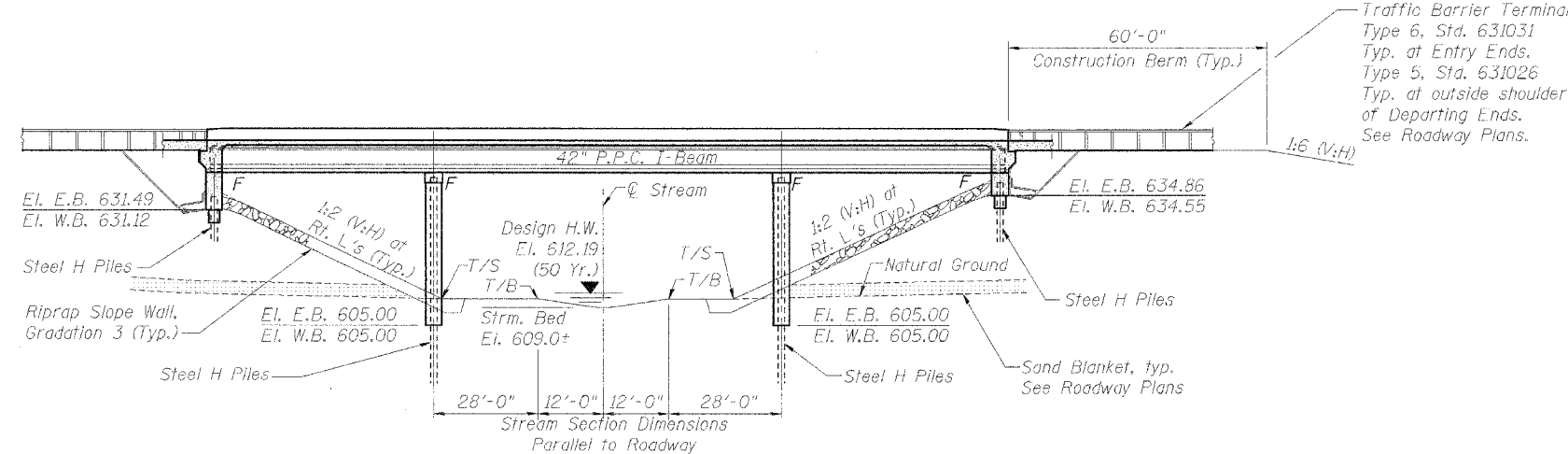
Contract No. 68205

INDEX OF SHEETS

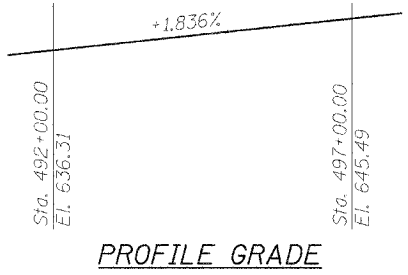
- Sheet
- General Plan & Elevation
  - Total Bill of Material, Slope Protection Details, & Substructure Layout
  - East Bound Deck Elevations
  - West Bound Deck Elevations
  - Deck Details
  - Bridge Parapet Details
  - Framing Plan, Span #1 and Span #3 Girder Details
  - Span #2 Girder Details
  - South Abutment Details (EB)
  - South Abutment Details (WB)
  - North Abutment Details (EB)
  - North Abutment Details (WB)
  - Pier Details (EB)
  - Pier Details (WB)
  - Bar Splicer Assembly Details
  - Boring Logs

$\Delta = 32^\circ 22' 09.34"$  (LT)  
 $D = 1^\circ 20' 53.29"$   
 $R = 4,250'$   
 $T = 1,233.50'$   
 $L = 2,401.04'$   
 $E = 175.38$   
 Trans. In = Sta. 477+55.00  
 to Sta. 481+80.00  
 Trans. Out = Sta. 502+95.00  
 to Sta. 507+20.00  
 S.E. = 4.20%  
 P.C. Sta. = 480+37.41  
 P.T. Sta. = 504+38.45  
 P.I. Sta. = 492+70.91

IL 336 PROPOSED  
CURVE DATA



**ELEVATION**  
 T/S = Toe of Slope El. 612.5  
 T/B = Top of Stream Bank El. 612.0



PROFILE GRADE

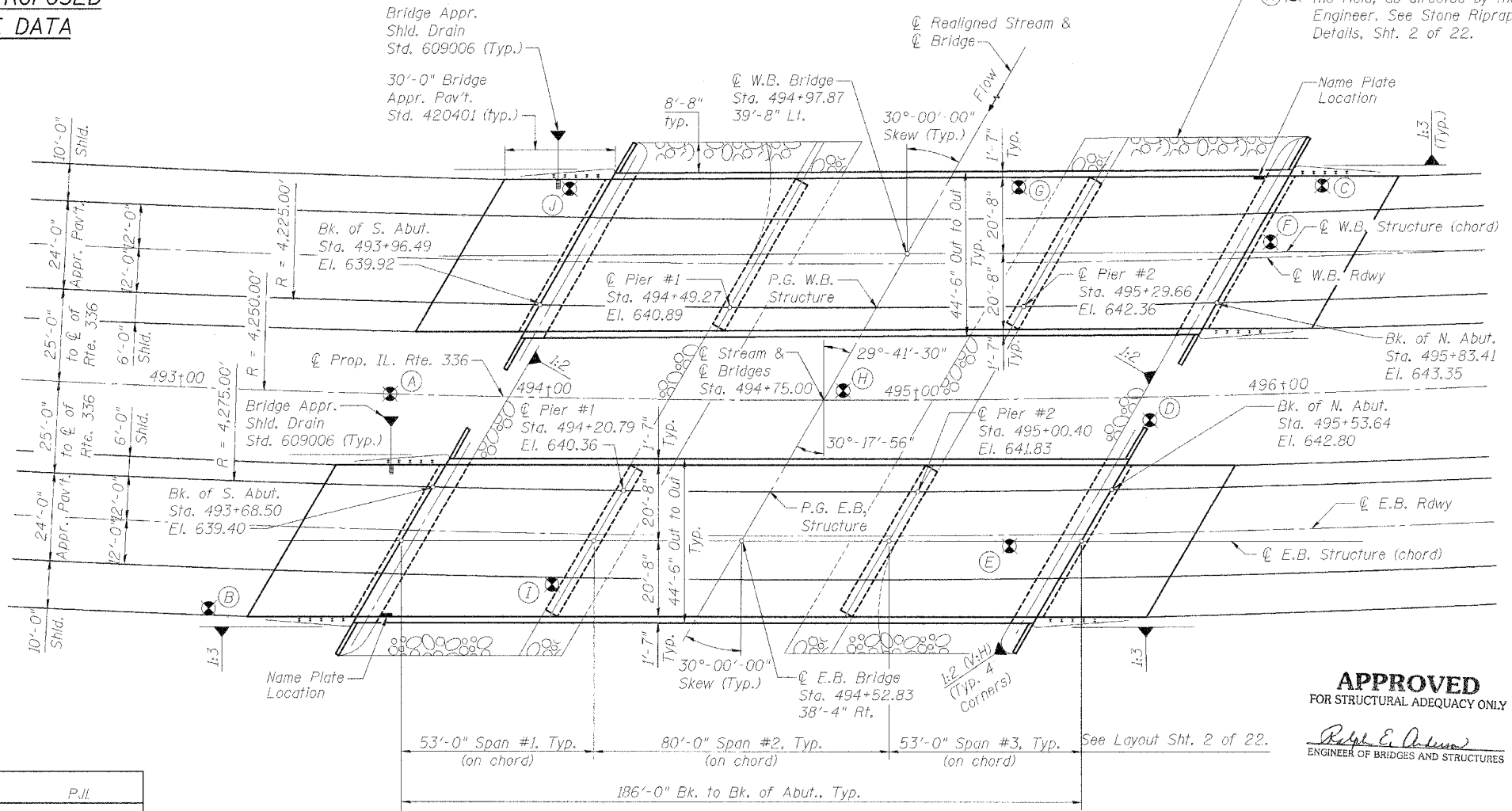
SOIL BORING LOCATIONS

- (indicated thus:  $\otimes$ )
- |   |   |
|---|---|
| (A) $\otimes$ B-112<br>Sta. 493+57<br>on $\phi$ | (F) $\otimes$ CB-493<br>Sta. 495+96<br>45' Lt.  |
| (B) $\otimes$ B-113<br>Sta. 493+10<br>60' Rt.   | (G) $\otimes$ CB-494<br>Sta. 495+27<br>49' Lt.  |
| (C) $\otimes$ B-114<br>Sta. 496+13<br>55' Lt.   | (H) $\otimes$ CB-495<br>Sta. 494+61<br>2' Lt.   |
| (D) $\otimes$ B-115<br>Sta. 495+63<br>7' Rt.    | (I) $\otimes$ CB-496<br>Sta. 494+06<br>58' Rt.  |
| (E) $\otimes$ B-116<br>Sta. 495+25<br>40' Rt.   | (J) $\otimes$ TB-491<br>Sta. 494+00<br>56' Lt.  |
|   | (K) $\otimes$ TWB-493<br>Sta. 495+96<br>97' Lt. |

STATION 494+75.00  
BUILT 20-- BY  
STATE OF ILLINOIS  
F.A.P. RTE. 315 SEC. 55-2  
LOADING HS20  
STR. NO. 055-XXXX

NAME PLATE

See Std. 515001  
 XXXX = 0060 (EB)  
 XXXX = 0061 (WB)



PLAN

DESIGNED	P.JL
CHECKED	LLV
DRAWN	MGM
CHECKED	P.JL

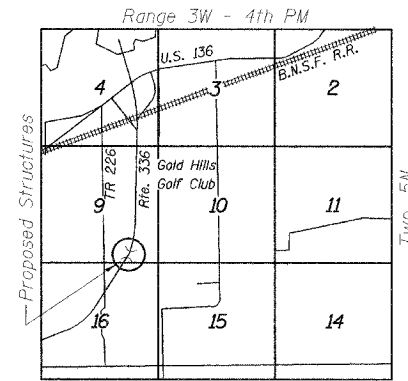
**SEISMIC DATA**  
 Seismic Performance Category (SPC) = A  
 Bedrock Acceleration Coefficient (A) = 4.0% g  
 Site Coefficient (S) = 1.0

**DESIGN SPECIFICATIONS**  
 2002 AASHTO

**LOADING HS20-44**  
 Allow 50#/sq.ft. for future wearing surface.

**DESIGN STRESSES**  
 FIELD UNITS  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinf.)

**PRECAST PRESTRESSED UNITS**  
 $f'_c = 6,000$  psi  
 $f'_ci = 5,000$  psi  
 $f'_s = 270,000$  psi (1/2"  $\phi$  low lax. strands)  
 $f_{si} = 201,960$  psi (1/2"  $\phi$  low lax. strands)



LOCATION SKETCH

GENERAL PLAN & ELEVATION  
 IL. ROUTE 336 OVER  
 TRIBUTARY TO  
 KILLJORDAN CREEK  
 F.A.P. ROUTE 315 SECT. 55-2  
 McDONOUGH COUNTY  
 STATION 494+75.00  
 STRUCTURE NO. 055-0060 (EB)  
 STRUCTURE NO. 055-0061 (WB)

APPROVED  
 FOR STRUCTURAL ADEQUACY ONLY

*Philip J. Lane*  
 ENGINEER OF BRIDGES AND STRUCTURES



*Philip J. Lane*  
 Phillip J. Lane  
 Illinois Licensed Structural Engineer No. 4084  
 Lic. Expires: 11/30/06  
 Date: 2/20/06

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