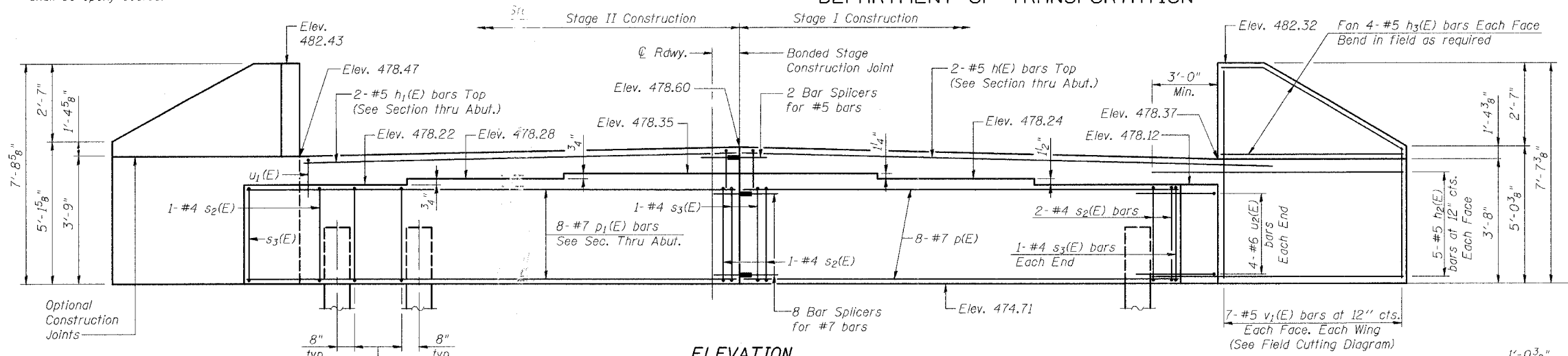


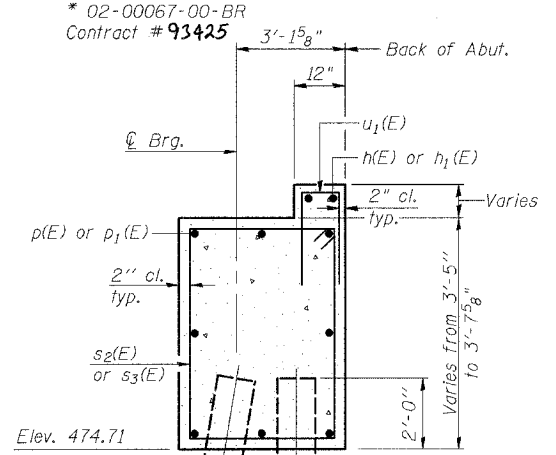
Notes: Four steps monolithically with cap.  
Reinforcement bars designated (E)  
shall be epoxy coated.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                     |          |                  |              |           |              |
|---------------------|----------|------------------|--------------|-----------|--------------|
| ROUTE NO.           | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO. | SHEET NO. 15 |
| FAS 583             | *        | SCHUYLER         | 56           | 34        | 26 SHEETS    |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |           |              |



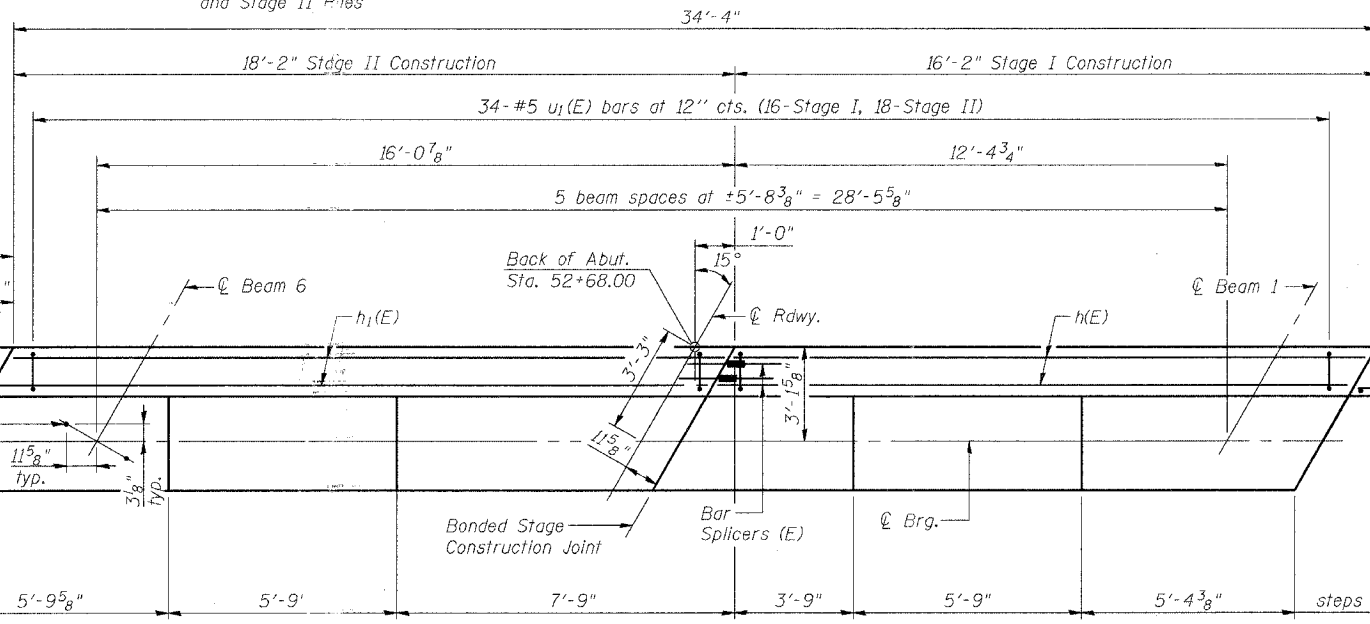
ELEVATION  
(Looking West)



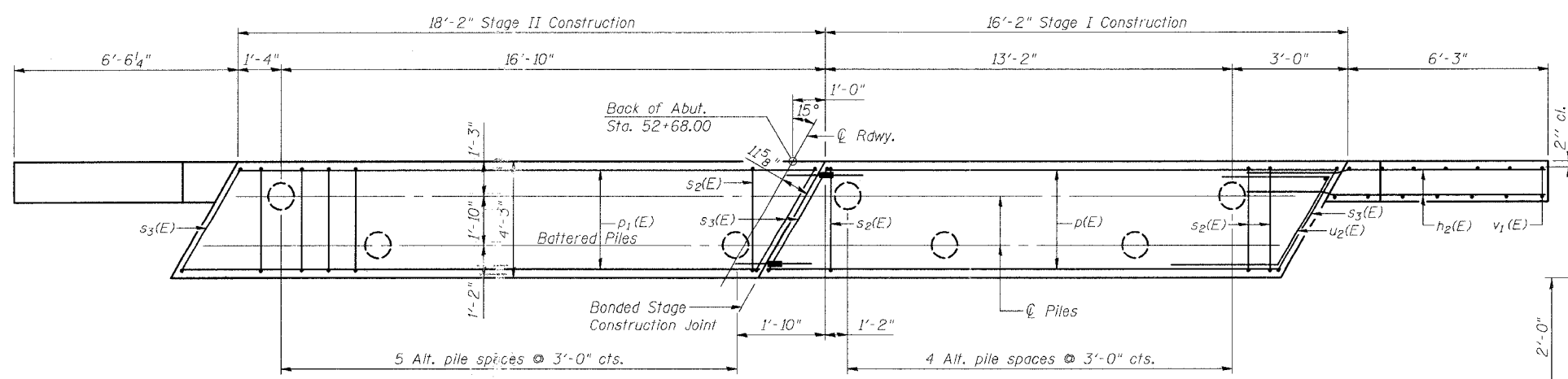
SEC. THRU ABUT.

PILE DATA

Type: 12"  $\phi$  Metal Shell w/ 1/4" walls  
Capacity: 55 Tons  
Est. Length: 65 feet  
No. Required: 10 + 1 Test pile



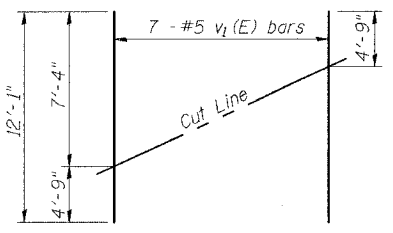
PLAN  
(Top View)



PLAN  
(Showing Pile Cap)

BAR u2(E)

BARS s2(E) & s3(E)



FIELD CUTTING DIAGRAM

Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.

BAR u1(E)

WEST ABUTMENT  
BILL OF MATERIAL

| Bar   | No. | Size | Length  | Shape |
|-------|-----|------|---------|-------|
| h(E)  | 2   | #5   | 15'-10" | —     |
| h1(E) | 2   | #5   | 17'-10" | —     |
| h2(E) | 20  | #5   | 9'-0"   | —     |
| h3(E) | 16  | #5   | 6'-0"   | —     |
| p(E)  | 8   | #7   | 15'-10" | —     |
| p1(E) | 8   | #7   | 17'-10" | —     |
| s2(E) | 32  | #4   | 14'-11" | □     |
| s3(E) | 4   | #4   | 15'-3"  | □     |
| u1(E) | 34  | #5   | 4'-8"   | □     |
| u2(E) | 8   | #6   | 12'-5"  | □     |
| v1(E) | 14  | #5   | 12'-1"  | —     |

|                                   |         |      |
|-----------------------------------|---------|------|
| Concrete Structures               | Cu. Yd. | 23.3 |
| Reinforcement Bars, Epoxy Coated  | Pound   | 1770 |
| Structure Excavation              | Cu. Yd. | 38   |
| Furnishing Metal Pile Shells, 12" | Foot    | 650  |
| Driving and Filling Shells        | Foot    | 650  |
| Test Pile Metal Shells            | Each    | 1    |

ILLINOIS DEPARTMENT OF TRANSPORTATION  
WEST ABUTMENT

FAS 583 (CH5) OVER LAMOINE RIVER  
SECTION 02-0067-00-BR  
SCHUYLER COUNTY  
STATION 54+95.75  
S.N. 085-3054

SCALE: VERT. HORIZ. DATE: 6/7/05 DRAWN BY: LANDREY DESIGNED BY: MATHUR CHECKED BY: TRELLO

| REVISIONS | NAME | DATE |
|-----------|------|------|
|           |      |      |
|           |      |      |

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COMPUTER FILE NO.  
SN0853054.WAB  
PROJECT 02157  
10/2/06-MML

FILE NAME: I:\PROJECTS\DRAWINGS\SN0853054\WAB.dgn  
PLOT SCALE: 1/8"=1'-0"  
PLOT DATE: 10/22/2006  
PLOT TIME: 14:05:51 PM  
OPERATOR: MICHAEL BIL

AI-R 10-22-04