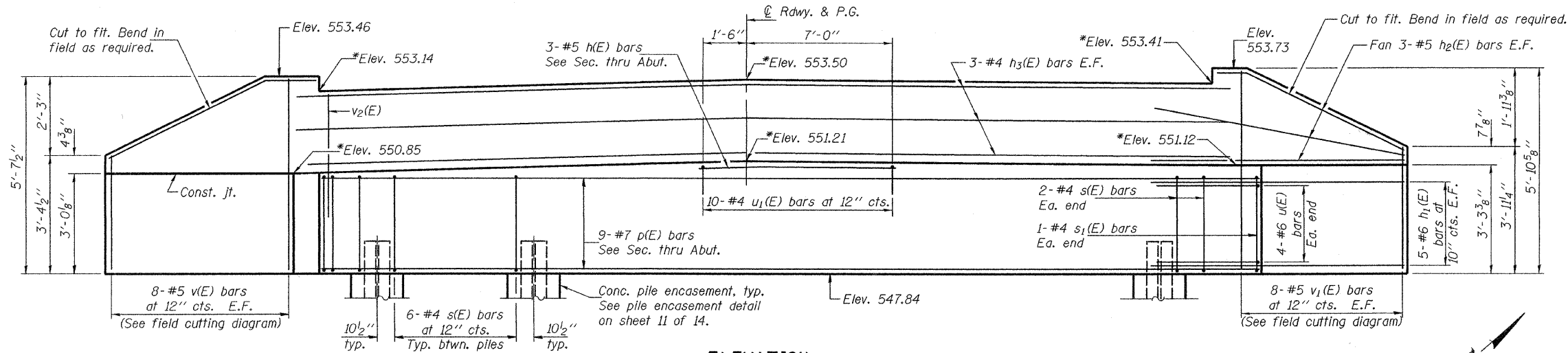


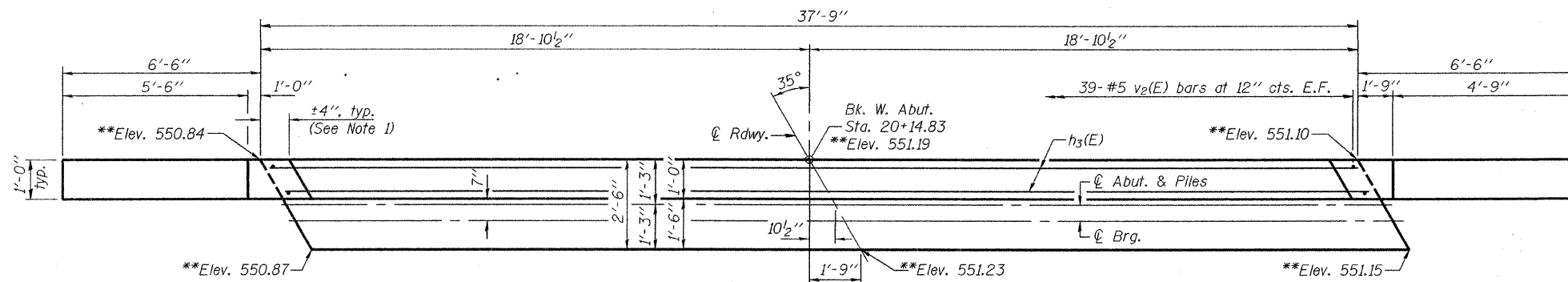
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------------|------------------|--------------|-----------|--------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 7 14 SHEETS |
| FAS 653 | 04-00256-00-BR | SHELBY | 40 | 33 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

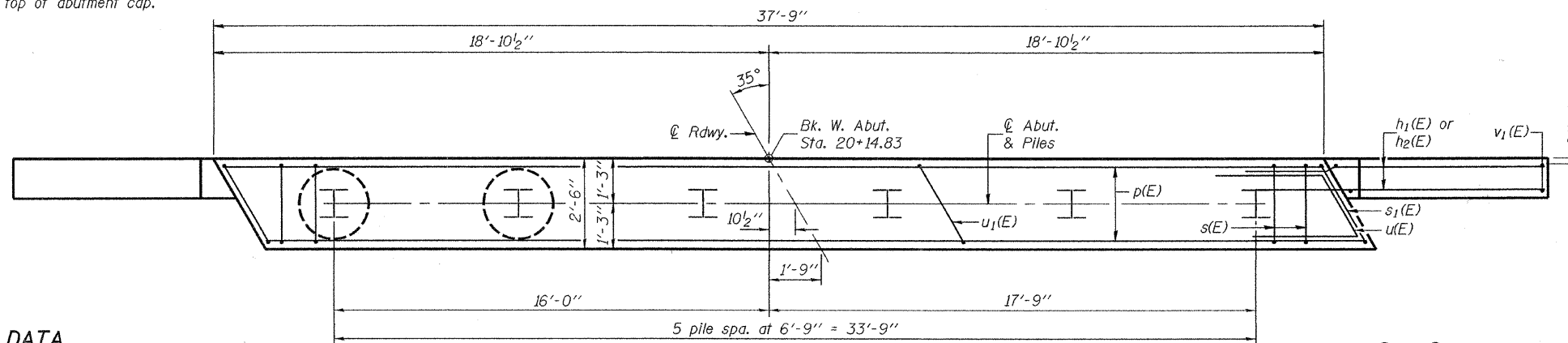
Contract No. 95555



ELEVATION
(Looking West)



TOP VIEW



PLAN

PILE DATA

Type: Steel HP10x42
Nominal Required Bearing: 282 Kips
Factored Resistance Available: 141 Kips
Est. Length: 30'
No. Production Piles: 5
No. Test Piles: 1

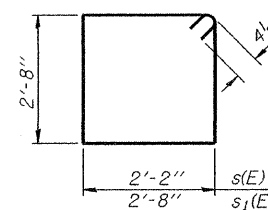
| | |
|----------|-----------------|
| DESIGNED | Jay D. Edwards |
| CHECKED | Nick R. Barnett |
| DRAWN | h.t. duong |
| CHECKED | JDE/NRB/GRA |

EXAMINED *Thomas J. Domagala*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

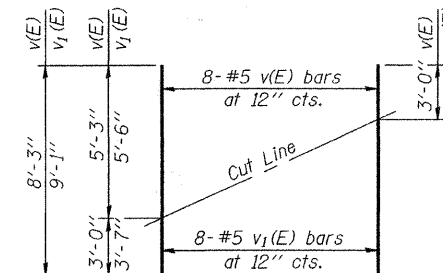
Sep. 4, 2008

NOTES

- The backwall and the portion of the wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Space reinforcement in cap to miss dowel rods.
- u₁(E) bars shall be placed along the skew.

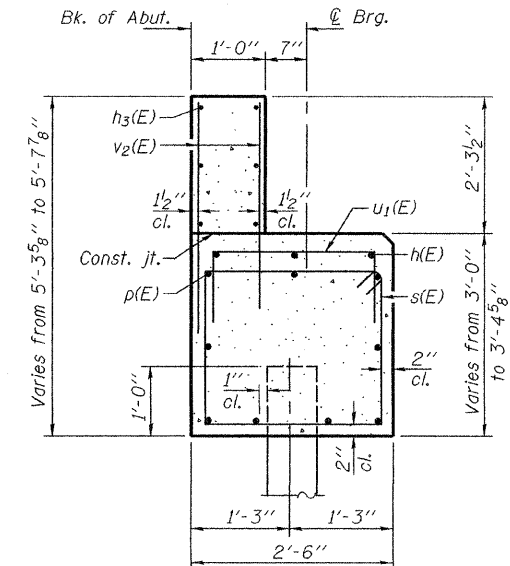


BARS s(E) & s₁(E)



FIELD CUTTING DIAGRAM

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



SECTION THRU ABUTMENT
(Showing dimensions at Rt. L's)

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|---------|--------|-------|
| h(E) | 3 | #5 | 8'-6" | — |
| h ₁ (E) | 20 | #6 | 8'-8" | — |
| h ₂ (E) | 12 | #5 | 8'-8" | — |
| h ₃ (E) | 6 | #4 | 37'-5" | — |
| p(E) | 9 | #7 | 37'-5" | — |
| s(E) | 34 | #4 | 10'-5" | □ |
| s ₁ (E) | 2 | #4 | 11'-5" | □ |
| u(E) | 8 | #6 | 11'-6" | ∩ |
| u ₁ (E) | 10 | #4 | 4'-10" | ∩ |
| v(E) | 8 | #5 | 8'-3" | — |
| v ₁ (E) | 8 | #5 | 9'-1" | — |
| v ₂ (E) | 78 | #5 | 4'-3" | — |
| Structure Excavation | | Cu. Yd. | 59 | |
| Concrete Structures | | Cu. Yd. | 16.9 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 2150 | |
| Furnishing Steel Piles HP10x42 | | Foot | 150 | |
| Driving Steel Piles | | Foot | 150 | |
| Test Pile Steel HP10x42 | | Each | 1 | |
| Concrete Encasement | | Cu. Yd. | 2.1 | |

WEST ABUTMENT
F.A.S. RTE. 653 - SEC. 04-00256-00-BR
SHELBY COUNTY
STATION 21+06.00
STRUCTURE NO. 087-3563