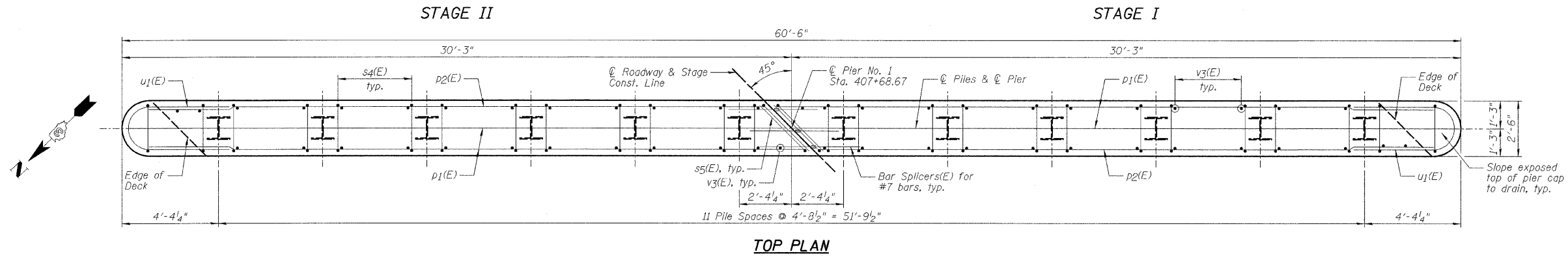


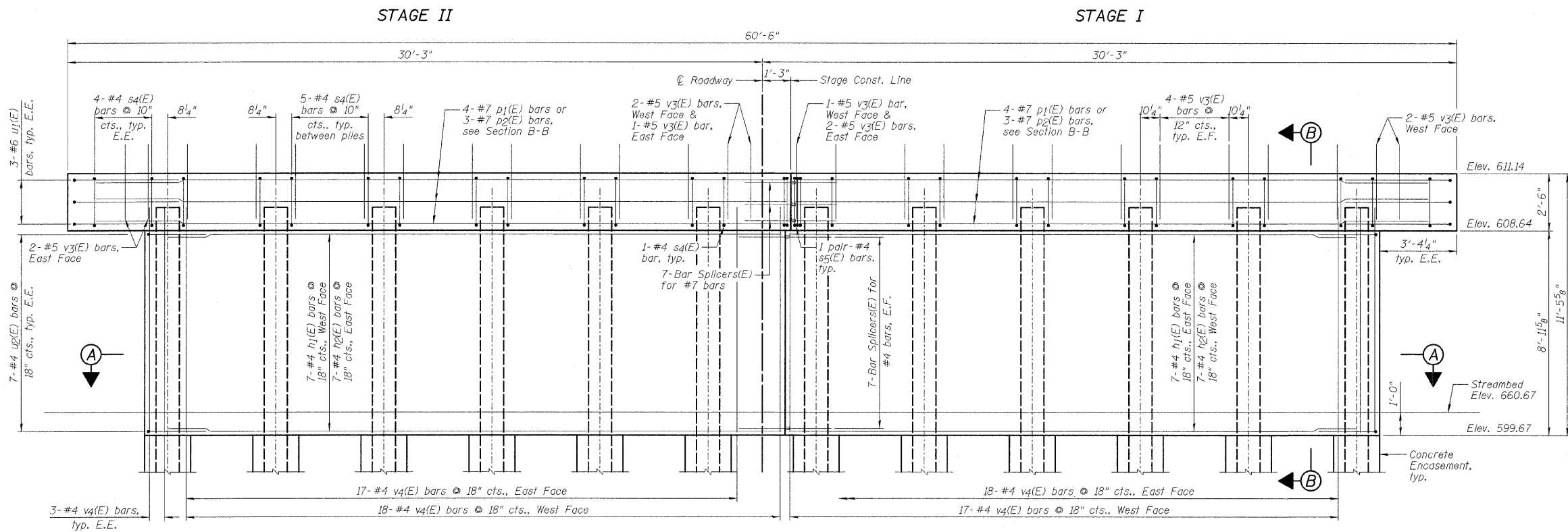
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER NO. 1
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|---------|----------|---------|-------|
| h1(E) | 14 | #4 | 26'-7" | — |
| h2(E) | 14 | #4 | 24'-11" | — |
| p1(E) | 8 | #7 | 29'-9" | — |
| p2(E) | 6 | #7 | 27'-11" | — |
| s4(E) | 60 | #4 | 9'-5" | □ |
| s5(E) | 4 | #4 | 7'-10" | □ |
| u1(E) | 6 | #6 | 10'-7" | C |
| u2(E) | 14 | #4 | 6'-0" | C |
| v3(E) | 90 | #5 | 3'-3" | — |
| v4(E) | 76 | #4 | 9'-10" | — |
| Item | Unit | Quantity | | |
| Structure Excavation | Cu. Yd. | 42 | | |
| Concrete Structures | Cu. Yd. | 49.4 | | |
| Concrete Encasement | Cu. Yd. | 4.2 | | |
| Reinforcement Bars, Epoxy Coated | Pound | 2,660 | | |
| Furnishing Steel Piles HPI2x63 | Foot | 492 | | |
| Driving Piles | Foot | 492 | | |
| Bar Splicers | Each | 21 | | |



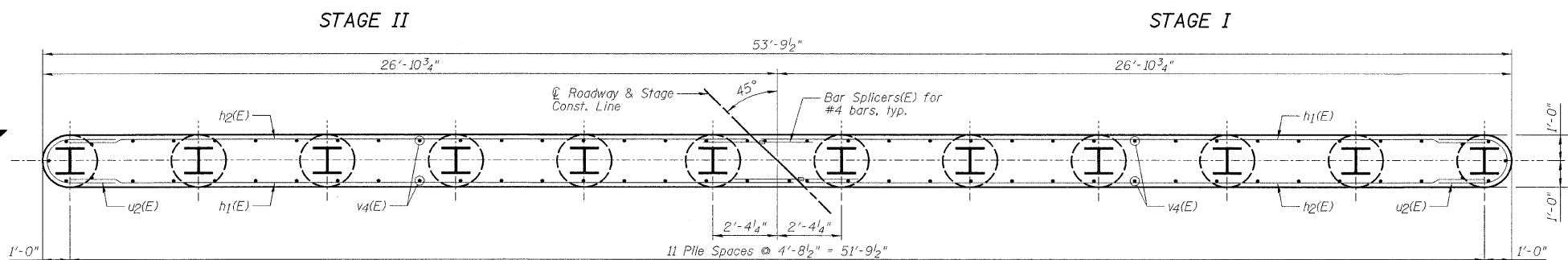
TOP PLAN



ELEVATION
(Looking East)

PILE DATA:

| Type | HPI2x63 Steel |
|--------------------------------|---------------|
| No. Req'd. | 12 |
| Est. Length | 41 feet |
| Nominal Required Bearing | 256 kips |
| Allowable Resistance Available | 124 kips |



SECTION A-A

NOTES:

- 1.) If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed under water into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation 1'-0" above the water line at the time of construction.
- 2.) E.F. denotes Each Face and E.E. denotes Each End.
- 3.) See Sheet B18 for Section B-B.
- 4.) See Sheet B20 for Bar Splicer Details.

| | |
|----------|---------|
| DESIGNED | SDH |
| CHECKED | JML |
| DRAWN | JWK/DJM |
| CHECKED | MSW |

DATE 10/07/09

FARNSWORTH GROUP, INC.

PIER NO. 1
STRUCTURE NO. 053-0185

| SHEET NO. | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|-------------|---------------------------|--------------------|--------------|-----------|
| B16 | 41 | (15BR-3)-1 | LIVINGSTON | 45 | 27 |
| 22 SHEETS | | SN 053-0185 | CONTRACT NO. 66833 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | | |