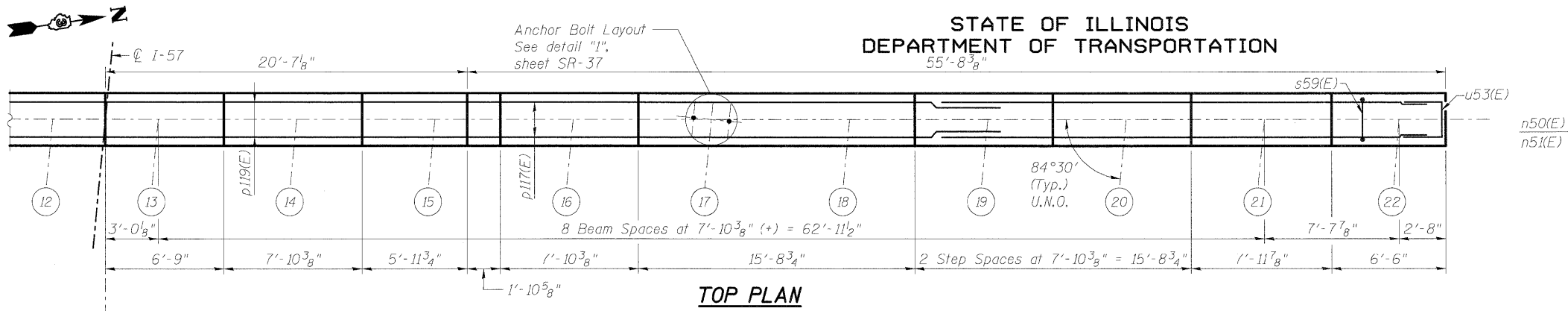
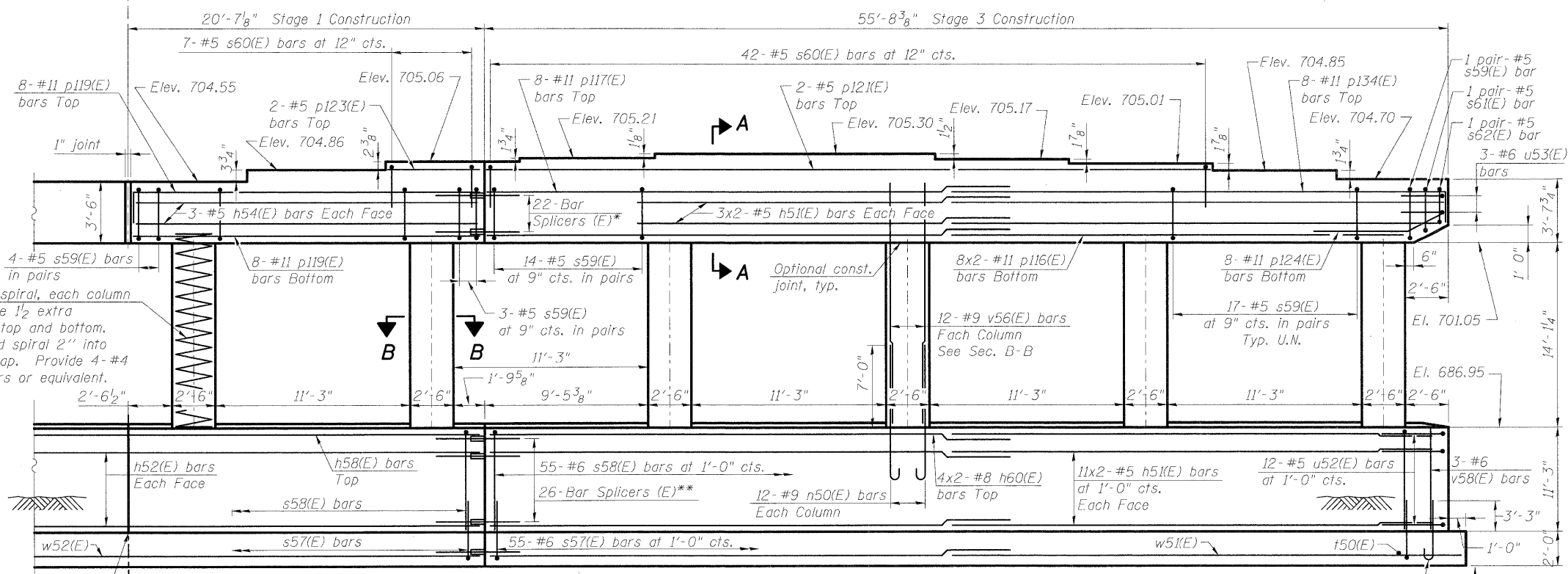


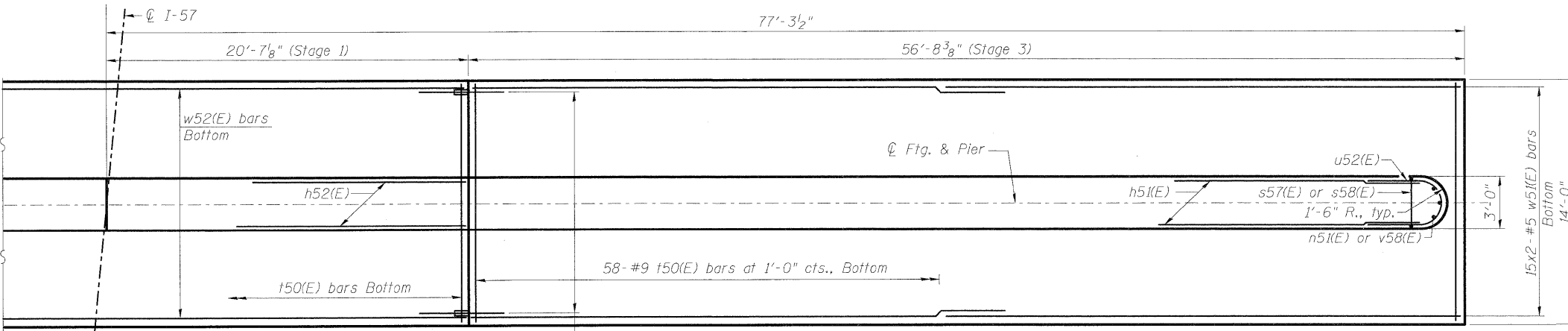
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TOP PLAN



PIER 1 ELEVATION (NB)



FOOTING PLAN

Maximum Applied Service Bearing Pressure = 2.86 ksf

Notes:

- Space reinforcement in cap to miss anchor bolts.
- Pour steps monolithically with cap.
- For sections A-A, B-B & End View, see sheet SR-37 of SR-48.
- For anchor bolt layout, see sheet SR-37.
- Work with sheet SR-37.

| | |
|----------|-----|
| DESIGNED | MGB |
| CHECKED | PMH |
| DRAWN | PMH |
| CHECKED | MJL |

PIER 1 BILL OF MATERIAL

| Bar | Stage 1 No. | Stage 2 No. | Stage 3 No. | Size | Length | Shape |
|----------------------------------|-------------|-------------|-------------|------|---------|--------|
| h51(E) | | | 56 | #5 | 29'-5" | |
| h52(E) | 22 | | | #5 | 39'-1" | |
| h53(E) | 6 | | | #5 | 19'-8" | |
| h54(E) | 6 | | | #5 | 20'-2" | |
| h55(E) | | 12 | | #5 | 35'-1" | |
| h58(E) | 4 | | | #8 | 39'-1" | |
| h59(E) | | 8 | | #8 | 36'-7" | |
| h60(E) | | | 8 | #8 | 30'-4" | |
| h61(E) | | 44 | | #5 | 34'-1" | |
| n50(E) | 48 | 60 | 48 | #9 | 10'-6" | |
| n51(E) | | 3 | 3 | #6 | 5'-8" | |
| p114(E) | | 16 | | #11 | 39'-3" | |
| p115(E) | | 8 | | #11 | 41'-2" | |
| p116(E) | | | 16 | #11 | 33'-7" | |
| p117(E) | | | 8 | #11 | 35'-5" | |
| p118(E) | 16 | | | #11 | 21'-8" | |
| p119(E) | 16 | | | #11 | 22'-2" | |
| p120(E) | | 2 | | #5 | 46'-3" | |
| p121(E) | | | 2 | #5 | 40'-10" | |
| p122(E) | 2 | | | #5 | 5'-5" | |
| p123(E) | 2 | | | #5 | 5'-7" | |
| p124(E) | | 8 | 8 | #11 | 15'-6" | |
| p131(E) | | 2 | | #5 | 14'-8" | |
| p133(E) | | 8 | | #11 | 43'-2" | |
| p134(E) | | | 8 | #11 | 37'-5" | |
| s57(E) | 41 | 68 | 55 | #6 | 12'-8" | |
| s58(E) | 41 | 68 | 55 | #6 | 24'-6" | |
| s59(E) | 94 | 156 | 132 | #5 | 11'-3" | |
| s60(E) | 14 | 64 | 42 | #5 | 9'-2" | |
| s61(E) | | 2 | 2 | #5 | 10'-3" | |
| s62(E) | | 2 | 2 | #5 | 9'-3" | |
| *sp50(E) | 4 | 5 | 4 | #4 | 14'-4" | |
| t50(E) | 41 | 70 | 58 | #9 | 13'-8" | |
| u52(E) | | 12 | 12 | #5 | 10'-8" | |
| u53(E) | | 3 | 3 | #6 | 9'-2" | |
| v56(E) | 48 | 60 | 48 | #9 | 15'-9" | |
| v58(E) | | 3 | 3 | #6 | 10'-11" | |
| w50(E) | | 30 | | #5 | 36'-1" | |
| w51(E) | | | 30 | #5 | 29'-10" | |
| w52(E) | 15 | | | #5 | 39'-1" | |
| Braced Excavation | | | | | Cu. Yd. | 593 |
| Reinforcement Bars, Epoxy Coated | | | | | Pound | 68,268 |
| Concrete Structures | | | | | Cu. Yd. | 482 |

BARS n50(E) & n51(E)

BARS s59(E), s61(E) & s62(E)

X DIMENSIONS

| Bar | X |
|--------|-------|
| s59(E) | 3'-2" |
| s61(E) | 2'-8" |
| s62(E) | 2'-2" |

BAR u53(E)

BAR p124(E)

BARS s57(E), s58(E) & s60(E)

A DIMENSIONS

| Bar | A |
|--------|---------|
| s57(E) | 5'-0" |
| s58(E) | 10'-11" |
| s60(E) | 3'-3" |

BARS p118(E), p119(E), p133(E) & p134(E)

BAR u52(E)

PIER 1 (NB)

STRUCTURE NO. 046-0146 (S.B.)
& STRUCTURE NO. 046-0147 (N.B.)



McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street
Chicago, Illinois 60601
(312) 946-8600

| | | | | | |
|---|---------------|------------|----------|--------------|-----------|
| SHEET NO. SR-38 SHEETS SR-48 | F.A.I. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 57 | (46-2) VBR | KANKAKEE | 558 | 365 |
| CONTRACT NO. 66409 | | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | | |