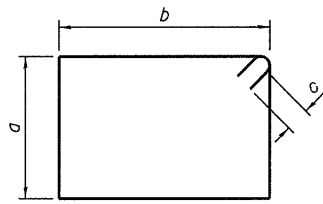


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

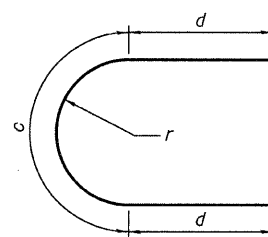
NOTES

1. Work this sheet with sheets 203 to 205.



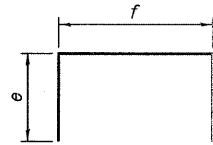
| Bar | a | b | c |
|--------|--------|-------|--------|
| S43(E) | 2'-8" | 3'-8" | 5 1/2" |
| S45(E) | 4'-11" | 3'-6" | 5 1/2" |
| S47(E) | 8'-6" | 2'-5" | 5 1/2" |
| S48(E) | 8'-0" | 2'-5" | 5 1/2" |
| S49(E) | 8'-0" | 5'-2" | 5 1/2" |
| S85(E) | 5'-1" | 3'-6" | 5 1/2" |

BARS S43(E), S45(E), S47(E),
S48(E), S49(E) & S85(E)



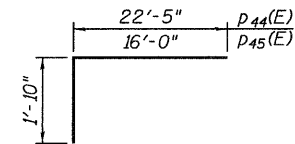
| Bar | c | d | r |
|--------|-------|--------|-------|
| U41(E) | 5'-0" | 3'-8" | 1'-7" |
| U42(E) | 4'-2" | 3'-8" | 1'-4" |
| U43(E) | 8'-1" | 3'-8" | 2'-7" |
| U45(E) | 8'-1" | 6'-11" | 2'-7" |

BARS U41(E), U42(E), U43(E)
& U45(E)

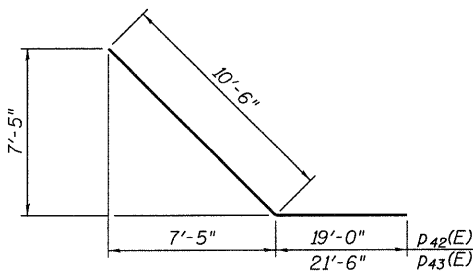


| Bar | e | f |
|--------|--------|--------|
| D48(E) | 1'-10" | 6'-10" |
| S41(E) | 6'-1" | 3'-2" |
| S42(E) | 3'-10" | 3'-2" |
| S83(E) | 3'-6" | 2'-5" |
| S84(E) | 5'-3" | 5'-2" |
| U46(E) | 3'-8" | 5'-2" |
| V45(E) | 10" | 4'-11" |
| V46(E) | 10" | 8'-4" |
| V48(E) | 10" | 8'-0" |

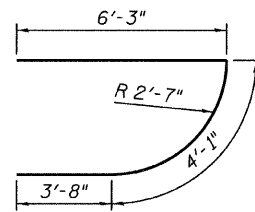
BARS D48(E), S41(E), S42(E),
S83(E), S84(E), U46(E),
V45(E), V46(E) & V48(E)



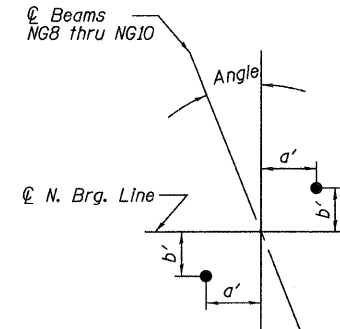
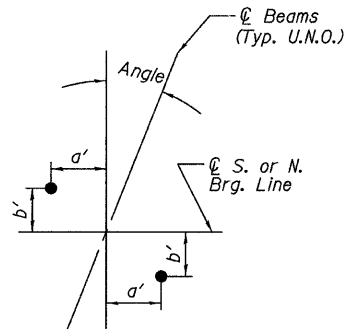
BARS D44(E) & D45(E)



BARS D42(E) & D43(E)

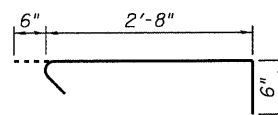


BARS U44(E)

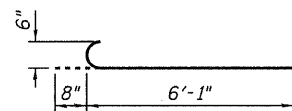


ANCHOR BOLT LAYOUT

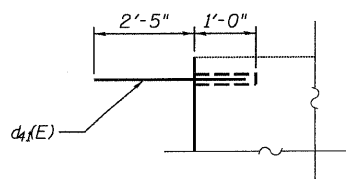
| Beam | Bearing Line | Angle | a' | b' |
|---------------|--------------|-----------|---------|--------|
| A thru R | North | 21°39'15" | 8 5/8" | 3 3/8" |
| NG1, NG2, NG3 | North | 21°39'15" | 9 3/4" | 3 7/8" |
| NG4, NG5 | North | 43°3'32" | 6 3/4" | 6 3/8" |
| NG6 | North | 43°3'32" | 7 5/8" | 7 1/8" |
| NG7 | North | 20°57'48" | 9 3/4" | 3 3/4" |
| NG8, NG9 | North | 11°20'36" | 9 1/8" | 1 7/8" |
| NG10 | North | 11°20'36" | 10 1/4" | 2 1/8" |
| G1, G22 | South | 21°39'15" | 13 3/4" | 5 3/8" |
| G2, G21 | South | 21°39'15" | 11 3/8" | 4 1/2" |
| G3 thru G20 | South | 21°39'15" | 8 1/8" | 3 1/4" |
| G2.11 | South | 63°18'33" | 4 5/8" | 9 1/8" |



BAR S44(E)



BAR N41(E)



EMBEDMENT DETAIL

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|--------|-----|------|---------|-------|
| d41(E) | 72 | #7 | 3'-5" | — |
| h41(E) | 5 | #6 | 19'-8" | — |
| h42(E) | 18 | #5 | 19'-8" | — |
| h43(E) | 10 | #6 | 26'-7" | — |
| h44(E) | 36 | #5 | 26'-3" | — |
| h45(E) | 40 | #7 | 35'-11" | — |
| h46(E) | 14 | #7 | 22'-4" | — |
| h47(E) | 14 | #7 | 33'-7" | — |
| h48(E) | 6 | #5 | 22'-8" | — |
| h49(E) | 6 | #5 | 25'-7" | — |
| h71(E) | 3 | #5 | 16'-0" | — |
| h72(E) | 3 | #5 | 36'-2" | — |
| h73(E) | 3 | #5 | 9'-0" | — |
| h74(E) | 3 | #5 | 43'-10" | — |
| h76(E) | 3 | #5 | 12'-9" | — |
| h77(E) | 3 | #5 | 42'-11" | — |
| h78(E) | 3 | #5 | 9'-11" | — |
| n41(E) | 10 | #6 | 6'-9" | C |
| n42(E) | 126 | #9 | 10'-8" | — |
| d41(E) | 44 | #10 | 39'-2" | — |
| d42(E) | 8 | #10 | 29'-6" | — |
| d43(E) | 8 | #10 | 32'-0" | — |
| d44(E) | 12 | #10 | 24'-3" | — |
| d45(E) | 44 | #10 | 17'-10" | — |
| d46(E) | 16 | #10 | 59'-8" | — |
| d47(E) | 8 | #10 | 23'-9" | — |
| d48(E) | 4 | #10 | 10'-6" | □ |
| s41(E) | 74 | #6 | 15'-4" | □ |
| s42(E) | 74 | #6 | 10'-10" | □ |
| s43(E) | 367 | #5 | 13'-8" | □ |
| s44(E) | 367 | #5 | 3'-8" | □ |
| s45(E) | 346 | #5 | 17'-9" | □ |
| s47(E) | 23 | #5 | 22'-9" | □ |
| s48(E) | 32 | #5 | 21'-9" | □ |
| s49(E) | 12 | #5 | 27'-3" | □ |
| s83(E) | 270 | #5 | 9'-5" | □ |
| s84(E) | 9 | #5 | 15'-8" | □ |
| s85(E) | 200 | #5 | 18'-1" | □ |
| t41(E) | 75 | #5 | 9'-8" | — |
| t42(E) | 123 | #8 | 9'-8" | — |

| Bar | No. | Size | Length | Shape |
|---|-----|------|---------|--------|
| u41(E) | 20 | #5 | 12'-4" | C |
| u42(E) | 51 | #5 | 11'-6" | C |
| u43(E) | 6 | #5 | 15'-5" | C |
| u44(E) | 4 | #5 | 14'-0" | C |
| u45(E) | 9 | #5 | 21'-11" | C |
| u46(E) | 16 | #5 | 12'-6" | □ |
| v41(E) | 158 | #6 | 8'-2" | — |
| v42(E) | 86 | #9 | 20'-5" | — |
| v43(E) | 180 | #9 | 24'-0" | — |
| v45(E) | 4 | #5 | 6'-7" | □ |
| v46(E) | 8 | #5 | 10'-0" | □ |
| v47(E) | 98 | #9 | 6'-9" | — |
| v48(E) | 4 | #5 | 9'-8" | □ |
| w41(E) | 23 | #5 | 21'-3" | — |
| w42(E) | 46 | #5 | 27'-0" | — |
| Test Pile Metal Shells | | | Each | 2 |
| Structure Excavation | | | Cu Yd | 356 |
| Concrete Structures | | | Cu Yd | 512.7 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 88,020 |
| Concrete Sealer | | | Sq Ft | 8,474 |
| Furnishing Metal Shell Piles 12" x 0.250" | | | Foot | 2,478 |
| Driving Piles | | | Foot | 2,478 |
| Mechanical Splicers | | | Each | 98 |

MIN. LAP LENGTH
(Unless noted otherwise)

| | |
|-----|--------|
| #5 | 3'-8" |
| #6 | 4'-5" |
| #7 | 5'-10" |
| #10 | 12'-4" |

C. ABUT. 4 - DETAILS 2 OF 2
CENTRAL/I-55
STRUCTURE NO. 016-0724

| | | | | | | | | | | | | | | |
|---------------------|-------------------|-----------|------|---------------|-------------|---------|--------|--------------|-----------|------------|---|------|-----|-----|
| TYLIN INTERNATIONAL | DESIGNED - MB | REVISIONS | | SHEET NO. 206 | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | | | | |
| | CHECKED - AMD, | NAME | DATE | | | | | | | 55 | 0711.2R & 1011.1BR | COOK | 741 | 530 |
| | DRAWN - MB | | | | | | | | | 239 SHEETS | CONTRACT NO. 60999 | | | |
| | CHECKED - AMD, | | | | | | | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | |
| | DATE - 03/25/2011 | | | | | | | | | | | | | |

pi:\01345\structure\02_Central_Ave_016-0724\155e2abu4d12.dwg 5/10/2011 4:25:28 PM