

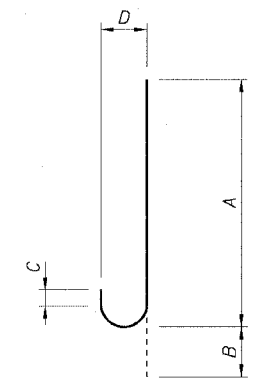
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                       |                 |                  |              |           |
|-----------------------|-----------------|------------------|--------------|-----------|
| F.A.I. NO.            | SECTION         | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 90/94                 | 2021-922PT.1-AC | COOK             | 460          | 327       |
| STA.                  | TO STA.         |                  |              |           |
| FED. ROAD DIST. NO. 1 | ILLINOIS        | FED. AID PROJECT |              |           |

62693

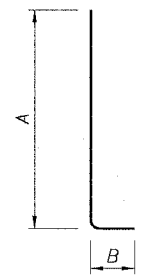
BILL OF MATERIAL

| Bar    | No. | Size | Length  | Shape | Bar    | No. | Size | Length  | Shape |
|--------|-----|------|---------|-------|--------|-----|------|---------|-------|
| d1(E)  | 509 | #6   | 3'-7"   |       | v1(E)  | 70  | #5   | 13'-10" |       |
| d2(E)  | 785 | #5   | 4'-11"  |       | v2(E)  | 70  | #6   | 14'-2"  |       |
| d3(E)  | 502 | #6   | 3'-2"   |       | v3(E)  | 140 | #6   | 13'-2"  |       |
| d4(E)  | 270 | #6   | 4'-11"  |       | v4(E)  | 100 | #6   | 4'-0"   |       |
| d5(E)  | 171 | #5   | 4'-3"   |       | v5(E)  | 100 | #5   | 11'-4"  |       |
| d6(E)  | 171 | #7   | 5'-8"   |       |        |     |      |         |       |
| d7(E)  | 13  | #6   | 4'-11"  |       | i1(E)  | 346 | #6   | 5'-8"   |       |
| d8(E)  | 13  | #5   | 1'-7"   |       | i2(E)  | 155 | #6   | 7'-8"   |       |
| d9(E)  | 28  | #6   | 3'-2"   |       | i3(E)  | 153 | #6   | 8'-8"   |       |
| d10(E) | 28  | #5   | 3'-2"   |       | i4(E)  | 145 | #9   | 11'-8"  |       |
| d11(E) | 25  | #4   | 3'-10"  |       | i5(E)  | 148 | #6   | 11'-8"  |       |
|        |     |      |         |       | i6(E)  | 299 | #7   | 15'-8"  |       |
| e1(E)  | 8   | #4   | 16'-3"  |       | i7(E)  | 299 | #6   | 15'-8"  |       |
| e2(E)  | 152 | #4   | 26'-8"  |       | i8(E)  | 82  | #8   | 13'-8"  |       |
| e3(E)  | 88  | #4   | 24'-8"  |       | i9(E)  | 87  | #7   | 13'-8"  |       |
| e4(E)  | 8   | #4   | 21'-8"  |       | i10(E) | 100 | #8   | 10'-8"  |       |
| e5(E)  | 6   | #4   | 27'-10" |       | i11(E) | 105 | #6   | 10'-8"  |       |
| e6(E)  | 14  | #4   | 23'-8"  |       | i12(E) | 6   | #6   | 2'-11"  |       |
| e7(E)  | 28  | #4   | 25'-8"  |       | i13(E) | 6   | #6   | 3'-7"   |       |
| e8(E)  | 28  | #4   | 31'-8"  |       |        |     |      |         |       |
| e9(E)  | 14  | #4   | 29'-8"  |       | w1(E)  | 36  | #5   | 33'-7"  |       |
| e10(E) | 14  | #4   | 13'-3"  |       | w2(E)  | 294 | #5   | 28'-8"  |       |
| e11(E) | 5   | #4   | 25'-5"  |       | w3(E)  | 192 | #5   | 28'-7"  |       |
|        |     |      |         |       | w4(E)  | 72  | #5   | 27'-0"  |       |
| h1(E)  | 10  | #5   | 16'-9"  |       | w5(E)  | 88  | #5   | 27'-4"  |       |
| h2(E)  | 488 | #5   | 27'-2"  |       | w6(E)  | 6   | #5   | 6'-9"   |       |
| h3(E)  | 288 | #5   | 24'-8"  |       | w7(E)  | 6   | #5   | 8'-9"   |       |
| h4(E)  | 34  | #5   | 22'-2"  |       | w8(E)  | 39  | #5   | 5'-9"   |       |
| h5(E)  | 16  | #5   | 2'-6"   |       | w9(E)  | 33  | #5   | 7'-3"   |       |
|        |     |      |         |       | w10(E) | 21  | #5   | 4'-9"   |       |
|        |     |      |         |       | w11(E) | 21  | #5   | 5'-10"  |       |
| n1(E)  | 179 | #6   | 8'-8"   |       |        |     |      |         |       |
| n2(E)  | 90  | #5   | 8'-10"  |       |        |     |      |         |       |
| n3(E)  | 75  | #6   | 8'-3"   |       |        |     |      |         |       |
| n4(E)  | 75  | #5   | 8'-5"   |       |        |     |      |         |       |
| n5(E)  | 150 | #6   | 10'-0"  |       |        |     |      |         |       |
| n6(E)  | 75  | #5   | 10'-2"  |       |        |     |      |         |       |
| n7(E)  | 150 | #6   | 13'-4"  |       |        |     |      |         |       |
| n8(E)  | 545 | #5   | 6'-7"   |       |        |     |      |         |       |
| n9(E)  | 145 | #9   | 8'-0"   |       |        |     |      |         |       |
| n10(E) | 145 | #6   | 6'-5"   |       |        |     |      |         |       |
| n11(E) | 225 | #9   | 8'-0"   |       |        |     |      |         |       |
| n12(E) | 225 | #9   | 12'-0"  |       |        |     |      |         |       |
| n13(E) | 200 | #6   | 14'-5"  |       |        |     |      |         |       |
| v1(E)  | 75  | #5   | 8'-7"   |       |        |     |      |         |       |
| v2(E)  | 75  | #6   | 12'-3"  |       |        |     |      |         |       |
| v3(E)  | 75  | #5   | 12'-11" |       |        |     |      |         |       |
| v4(E)  | 75  | #6   | 13'-3"  |       |        |     |      |         |       |
| v5(E)  | 150 | #5   | 17'-11" |       |        |     |      |         |       |
| v6(E)  | 150 | #6   | 17'-3"  |       |        |     |      |         |       |
| v7(E)  | 150 | #6   | 13'-3"  |       |        |     |      |         |       |
| v8(E)  | 75  | #6   | 15'-4"  |       |        |     |      |         |       |
| v9(E)  | 75  | #5   | 16'-0"  |       |        |     |      |         |       |
| v10(E) | 75  | #6   | 11'-4"  |       |        |     |      |         |       |



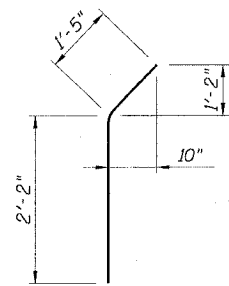
| BAR    | A      | B     | C      | D       |
|--------|--------|-------|--------|---------|
| n1(E)  | 8'-0"  | 8"    | 3"     | 6"      |
| n3(E)  | 7'-7"  | 8"    | 3"     | 6"      |
| n5(E)  | 9'-4"  | 8"    | 3"     | 6"      |
| n7(E)  | 12'-8" | 8"    | 3"     | 6"      |
| n9(E)  | 6'-9"  | 1'-3" | 4 1/2" | 11 3/4" |
| n10(E) | 5'-9"  | 8"    | 3"     | 6"      |
| n11(E) | 6'-9"  | 1'-3" | 4 1/2" | 11 3/4" |
| n12(E) | 10'-9" | 1'-3" | 4 1/2" | 11 3/4" |
| n13(E) | 13'-9" | 8"    | 3"     | 6"      |

BARS n1(E), n3(E), n5(E), n7(E), n9(E), n10(E), n11(E), n12(E), n13(E)

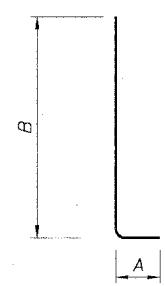


| BAR   | A     | B   |
|-------|-------|-----|
| n2(E) | 8'-0" | 10" |
| n4(E) | 7'-7" | 10" |
| n6(E) | 9'-4" | 10" |
| n8(E) | 5'-9" | 10" |

BARS n2(E), n4(E), n6(E), n8(E)

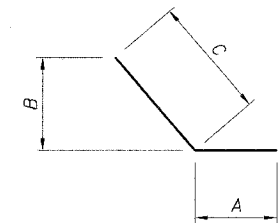


BAR d1(E)



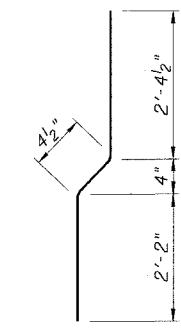
| BAR    | A     | B     |
|--------|-------|-------|
| w6(E)  | 2'-0" | 4'-9" |
| w8(E)  | 2'-0" | 3'-9" |
| w10(E) | 2'-0" | 2'-9" |

BARS w6(E), w8(E), w10(E)

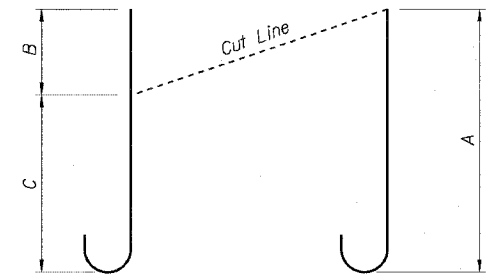


| BAR    | A     | B         | C      |
|--------|-------|-----------|--------|
| w7(E)  | 2'-0" | 4'-9 1/4" | 6'-9"  |
| w9(E)  | 2'-0" | 3'-8 1/2" | 5'-3"  |
| w11(E) | 2'-0" | 2'-8 1/2" | 3'-10" |

BARS w7(E), w9(E), w11(E)

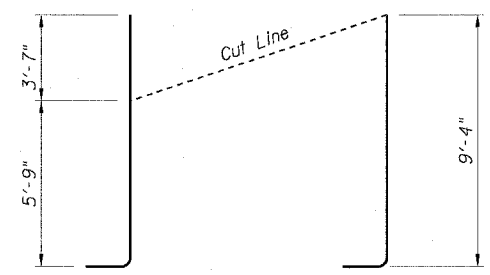


BARS d2(E), d4(E)

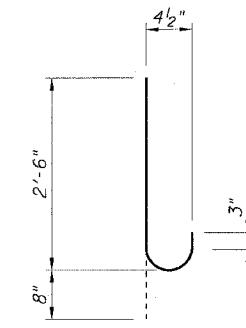


| BAR   | A      | B     | C     |
|-------|--------|-------|-------|
| n5(E) | 9'-4"  | 3'-7" | 5'-9" |
| n7(E) | 12'-8" | 4'-4" | 8'-4" |

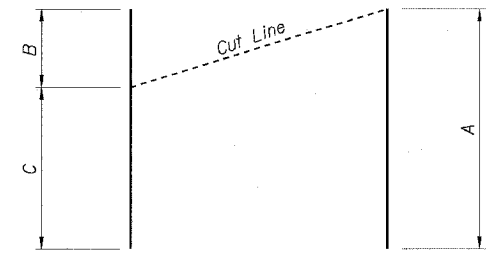
BARS n5(E), n7(E)  
Cutting Diagram



BAR n6(E)  
Cutting Diagram

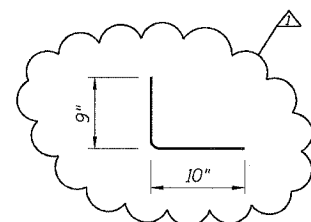


BAR d3(E)

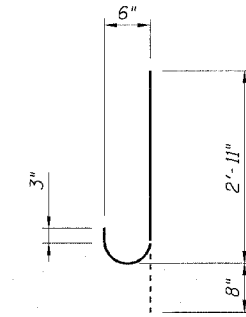


| BAR   | A       | B     | C       |
|-------|---------|-------|---------|
| v1(E) | 8'-7"   | 4'-4" | 4'-3"   |
| v3(E) | 12'-11" | 4'-4" | 8'-7"   |
| v4(E) | 13'-3"  | 4'-4" | 8'-11"  |
| v5(E) | 17'-11" | 4'-0" | 13'-11" |
| v6(E) | 17'-3"  | 4'-0" | 13'-3"  |
| v7(E) | 13'-3"  | 4'-0" | 9'-3"   |

BARS v1(E), v3(E), v4(E), v5(E), v6(E), v7(E)  
Cutting Diagram



BAR d8(E)



BAR i13(E)

NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.

| REVISIONS |          |
|-----------|----------|
| NAME      | DATE     |
| CG        | 01/06/05 |
|           |          |
|           |          |
|           |          |
|           |          |
|           |          |

Sheet Ec16 of 20  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
REINFORCEMENT DETAILS  
SOUTH WELLS ST. RETAINING WALL  
WEST 61ST STREET TO WEST 59TH STREET  
SECTION 2021-922PT.1-AC  
STATION 523+36.03 TO STATION 533+88.42  
COOK COUNTY S.N. 016-W964, 016-W894  
SCALE: None DRAWN BY: CHD  
DATE: October 29, 2004 CHECKED BY: CG/AJS

01/06/2005 02:48:54 PM