



| BILL OF MATERIAL | | | | |
|------------------|------|-----------|---------|-------|
| BAR | SIZE | No. Req'd | Length | Shape |
| d1 | #6 | 15 | 9'-3" | L |
| da | #6 | 9 | 4'-3" | L |
| h1 | #5 | 28 | 31'-3" | --- |
| h2 | #4 | 10 | 31'-3" | --- |
| h3 | #5 | 270 | 29'-6" | --- |
| h4 | #4 | 101 | 29'-6" | --- |
| h5 | #5 | 126 | 33'-0" | --- |
| h6 | #4 | 48 | 33'-0" | --- |
| h7 | #5 | 11 | 12'-6" | --- |
| h8 | #4 | 4 | 12'-6" | --- |
| m | #6 | 214 | 4'-9" | --- |
| n | #10 | 480 | 10'-4" | L |
| n1 | #10 | 240 | 9'-10" | L |
| n2 | #7 | 240 | 11'-8" | L |
| n3 | #6 | 103 | 6'-0" | L |
| t | #9 | 134 | 6'-0" | --- |
| t1 | #5 | 165 | 10'-0" | --- |
| t2 | #10 | 305 | 13'-6" | --- |
| t3 | #7 | 36 | 13'-6" | --- |
| t4 | #8 | 123 | 5'-6" | --- |
| t5 | #7 | 260 | 4'-3" | --- |
| t6 | #5 | 104 | 9'-0" | --- |
| t7 | #10 | 164 | 11'-6" | --- |
| t8 | #5 | 319 | 6'-6" | --- |
| t9 | #6 | 184 | 7'-0" | --- |
| v1 | #6 | 360 | 14'-6" | --- |
| v2 | #6 | 44 | 26'-6" | --- |
| v3 | #8 | 120 | 13'-6" | --- |
| v4 | #8 | 120 | 13'-0" | --- |
| v5 | #6 | 22 | 25'-6" | --- |
| v6 | #8 | 120 | 10'-9" | --- |
| v7 | #6 | 22 | 24'-9" | --- |
| v8 | #8 | 120 | 10'-0" | --- |
| v9 | #6 | 22 | 23'-10" | --- |
| v10 | #8 | 120 | 9'-1" | --- |
| v11 | #6 | 22 | 23'-0" | --- |
| v12 | #8 | 120 | 8'-3" | --- |
| v13 | #6 | 22 | 18'-0" | --- |
| v14 | #5 | 60 | 12'-6" | --- |
| v15 | #5 | 60 | 12'-0" | --- |
| v16 | #6 | 22 | 17'-0" | --- |
| v17 | #5 | 60 | 11'-6" | --- |
| v18 | #6 | 22 | 11'-6" | --- |
| v19 | #5 | 43 | 10'-0" | --- |
| v20 | #6 | 16 | 10'-0" | --- |
| w | #6 | 151 | 8'-0" | --- |
| w1 | #5 | 212 | 31'-6" | --- |
| w2 | #6 | 72 | 32'-0" | --- |
| w3 | #7 | 132 | 32'-6" | --- |
| w4 | #8 | 48 | 32'-6" | --- |
| w5 | #5 | 48 | 35'-3" | --- |
| w6 | #6 | 34 | 11'-6" | --- |

| ITEM | UNIT | QUANTITY |
|-------------------------|---------|----------|
| CLASS X CONCRETE | C.Y. | 1455.7 |
| REINFORCEMENT BARS L.B. | | 163623 |
| POROUS GRANULAR EMBANK. | C.Y. | 602 |
| EXCAVATION | C.Y. | 3829 |
| STEEL H PILES | LINE FT | 7194 |
| TEST PILES | EA. | 5 |

*Note: Does not include Test Piles

| DATE | BY | DESCRIPTION |
|------|----|-------------|
| | | |
| | | |
| | | |

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

GEORGE W. DUNNE
PRESIDENT BOARD OF COMMISSIONERS

RETAINING WALL A DETAILS
STONY ISLAND CONNECTOR FAI 94
LINE E STRUCTURE

KNORLE, BENDER, STONE & ASSOCIATES INC.
CONSULTING ENGINEERS
CHICAGO, ILLINOIS

APPROVED: *[Signature]*
CHIEF ENGINEER

PROJECT: EBU 246 (76)
SCALE: *[Signature]*

| | | | | | | | |
|---------|-----|-----------------|------|-----------|----|--------------|----|
| FAI No. | 122 | COUNTY HWY. No. | 174A | Sheet No. | 34 | Total Sheets | 37 |
|---------|-----|-----------------|------|-----------|----|--------------|----|

2/21/2013 PM 3:29/2013 3/29/2013
 SA:1072, 05-CADD, S-Structure-01, SN: 0162471, CADD, Sheets: 0162471-60, 112-059-F, 115.dgn

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

| | | |
|------------------------|---------------|-----------|
| USER NAME = | DESIGNED - | REVISED - |
| PLOT SCALE = | CHECKED - BAK | REVISED - |
| PLOT DATE = 03/29/2013 | DRAWN - | REVISED - |
| | CHECKED - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NO. 016-2471

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 94 | 2012-059-BR | COOK | 631 | 552 |
| CONTRACT NO. 60J12 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SHEET NO. S-59 OF S-63 SHEETS