

**SUMMARY OF QUANTITIES**

CONSTRUCTION CODE 0011

| NUMBER   | ITEM   | UNIT  | QUANTITY |
|----------|--|-------|----------|
| 20200100 | EARTH EXCAVATION                                   | CU YD | 1,037    |
| 20300100 | CHANNEL EXCAVATION                                 | CU YD | 2530     |
| 20400800 | FURNISHED EXCAVATION                               | CU YD | 616      |
| 20700220 | POROUS GRANULAR EMBANKMENT                         | CU YD | 102      |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING                  | POUND | 112      |
| 28000305 | TEMPORARY DITCH CHECKS                             | FOOT  | 60       |
| 28000400 | PERIMETER EROSION BARRIER                          | FOOT  | 2,134    |
| 28000500 | INLET AND PIPE PROTECTION                          | EACH  | 4        |
| 28100209 | STONE RIPRAP, CLASS A5                             | TON   | 1,335    |
| 28100809 | STONE DUMPED RIPRAP, CLASS A5                      | TON   | 493      |
| 28200200 | FILTER FABRIC                                      | SQ YD | 1,307    |
| 40200800 | AGGREGATE SURFACE COURSE, TYPE B                   | TON   | 1,554    |
| 50100100 | REMOVAL OF EXISTING STRUCTURES                     | EACH  | 1        |
| 50200100 | STRUCTURE EXCAVATION                               | CU YD | 116      |
| 50300225 | CONCRETE STRUCTURES                                | CU YD | 76.4     |
| 50300255 | CONCRETE SUPERSTRUCTURE                            | CU YD | 138.4    |
| 50300260 | BRIDGE DECK GROOVING                               | SQ YD | 466      |
| 50300280 | CONCRETE ENCASEMENT                                | CU YD | 61.2     |
| 50300300 | PROTECTIVE COAT                                    | SQ YD | 562      |
| 50500105 | FURNISHING AND ERECTING STRUCTURAL STEEL           | L SUM | 1        |
| 50500505 | STUD SHEAR CONNECTORS                              | EACH  | 2,592    |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED                   | POUND | 42,990   |
| 51200957 | FURNISHING METAL SHELL PILES 12" X 0.250"          | FOOT  | 440      |
| 51200958 | FURNISHING METAL SHELL PILES 14" X 0.250"          | FOOT  | 969      |
| 51202305 | DRIVING PILES                                      | FOOT  | 1,409    |
| 51203200 | TEST PILE METAL SHELLS                             | EACH  | 2        |
| 51500100 | NAME PLATES  | EACH  | 1        |
| 52100520 | ANCHOR BOLTS 1"                                    | EACH  | 24       |
| 52100530 | ANCHOR BOLTS 1 1/4"                                | EACH  | 24       |
| 542D0223 | PIPE CULVERTS, CLASS D, TYPE 1 18"                 | FOOT  | 194      |
| 542D0229 | PIPE CULVERTS, CLASS D, TYPE 1 24"                 | FOOT  | 62       |
| 59100100 | GEOCOMPOSITE WALL DRAIN                            | SQ YD | 66       |
| 63100087 | TRAFFIC BARRIER TERMINAL, TYPE 6A                  | EACH  | 2        |
| 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH  | 2        |
| 67100100 | MOBILIZATION                                       | L SUM | 1        |
| 70101830 | TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21    | L SUM | 1        |
| 78201000 | TERMINAL MARKER - DIRECT APPLIED                   | EACH  | 4        |
| X2501000 | SEEDING, CLASS 2 (SPECIAL)                         | ACRE  | 0.95     |
| Z0046304 | PIPE UNDERDRAINS FOR STRUCTURES 4"                 | FOOT  | 165      |
| XX004633 | FIELD TILE ADJUSTMENT                              | EACH  | 2        |
| XX006199 | STEEL BRIDGE RAIL, TYPE SM (SPECIAL)               | FOOT  | 291      |

\*SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

**APPLICATION RATES USED IN QUANTITY CALCULATIONS**

|                          |                 |
|--------------------------|-----------------|
| AGGREGATE SURFACE COURSE | 2.05 TON/CU.YD. |
| STONE RIPRAP             | 1.65 TON/CU.YD. |
| STONE DUMPED RIPRAP      | 1.65 TON/CU.YD. |

**TEMPORARY EROSION CONTROL**

THE FOLLOWING QUANTITIES ARE ESTIMATE ONLY. ACTUAL QUANTITIES FOR EROSION CONTROL WILL BE DETERMINED BY THE ENGINEER IN THE FIELD AND THERE WILL BE NO ADJUSTMENT IN ANY PRICE DUE TO A CHANGE IN PLAN QUANTITY.

|                                    |              |
|------------------------------------|--------------|
| TEMPORARY EROSION CONTROL SEEDINGS | = 112 POUND  |
| PERIMETER EROSION BARRIER          | = 2,143 FOOT |
| TEMPORARY DITCH CHECKS             | = 60 FOOT    |
| INLET AND PIPE PROTECTION          | = 4 EACH     |

**TEMPORARY DITCH CHECKS**

|                |           |
|----------------|-----------|
| LT. STA. 89+25 | = 20 FOOT |
| LT. STA. 91+00 | = 20 FOOT |
| LT. STA. 95+00 | = 20 FOOT |
| TOTAL          | = 60 FOOT |

**INLET AND PIPE PROTECTION**

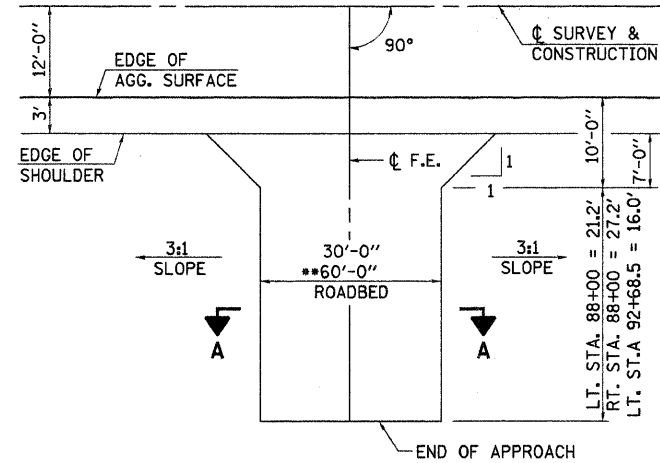
|                  |          |
|------------------|----------|
| LT. STA. 87+73   | = 1 EACH |
| RT. STA. 87+69   | = 1 EACH |
| RT. STA. 89+49.5 | = 1 EACH |
| LT. STA. 93+07.5 | = 1 EACH |
| TOTAL            | = 4 EACH |

**TEMPORARY EROSION CONTROL SEEDING**

|                                  |             |
|----------------------------------|-------------|
| LT. STA. 85+00 TO LT. STA. 90+06 | = 32 POUND  |
| RT. STA. 85+00 TO RT. STA. 90+67 | = 36 POUND  |
| LT. STA. 90+71 TO LT. STA. 95+00 | = 25 POUND  |
| RT. STA. 90+95 TO RT. STA. 95+00 | = 19 POUND  |
| TOTAL                            | = 112 POUND |

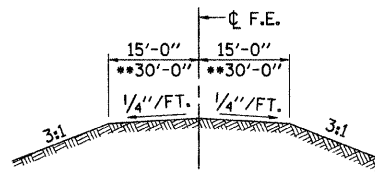
**PERIMETER EROSION BARRIER**

|                                  |              |
|----------------------------------|--------------|
| LT. STA. 85+00 TO LT. STA. 89+83 | = 574 FOOT   |
| RT. STA. 85+00 TO RT. STA. 90+67 | = 640 FOOT   |
| LT. STA. 90+71 TO LT. STA. 95+00 | = 502 FOOT   |
| RT. STA. 90+99 TO RT. STA. 95+00 | = 418 FOOT   |
| TOTAL                            | = 2,134 FOOT |



**FIELD ENTRANCE DETAIL**

F.E. LT. STA. 88+00  
F.E. RT. STA. 88+00  
\*\*F.E. LT. STA. 92+68.5



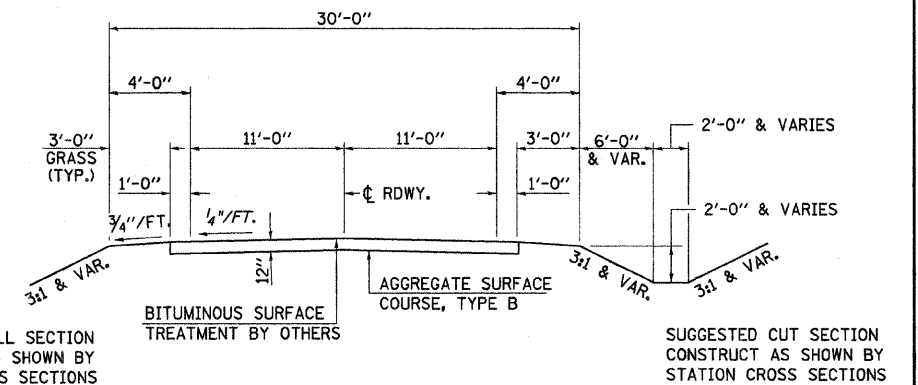
**SECTION A-A**

**GENERAL NOTES**

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE AREA TO BE SEEDDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY, AS DIRECTED BY THE ENGINEER.

SEEDING, CLASS 2 (SPECIAL) = 0.95 ACRE



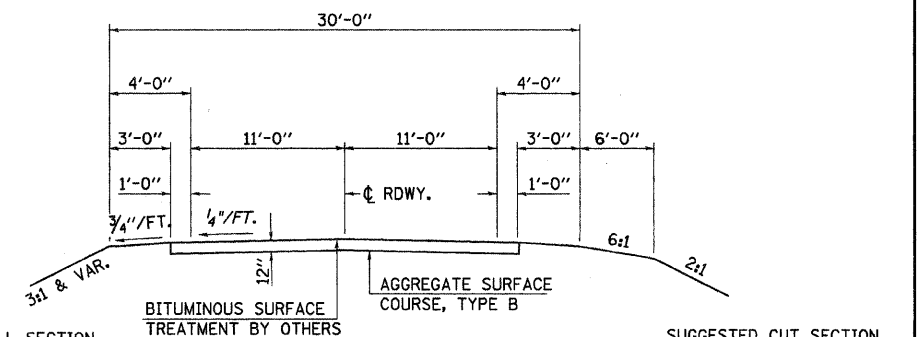
SUGGESTED FILL SECTION CONSTRUCT AS SHOWN BY STATION CROSS SECTIONS

SUGGESTED CUT SECTION CONSTRUCT AS SHOWN BY STATION CROSS SECTIONS

**TYPICAL PROPOSED CROSS SECTION**

STA. 85+50 TO 91+15 & STA. 93+50 TO 94+50

TRANSITION FROM EXISTING ROADWAY TO PROPOSED ROADWAY TO BE CONSTRUCTED FROM STA. 85+00 TO STA. 85+50 AND FROM STA. 94+50 TO STA. 95+00.

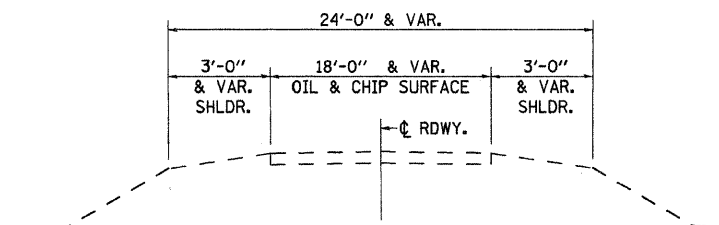


SUGGESTED FILL SECTION CONSTRUCT AS SHOWN BY STATION CROSS SECTIONS

SUGGESTED CUT SECTION CONSTRUCT AS SHOWN BY STATION CROSS SECTIONS

**TYPICAL PROPOSED CROSS SECTION**

STA. 91+15 TO 93+50



**EXISTING TYPICAL CROSS SECTION**

FILE NAME = 09-203\_SUMTY.DGN

|                   |           |
|-------------------|-----------|
| DESIGNED - G.J.C. | REVISED - |
| DRAWN - S.A.P.    | REVISED - |
| CHECKED - A.L.S.  | REVISED - |
| DATE - 09/19/11   | REVISED - |

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**FEHR-GRAHAM & ASSOCIATES, LLC**  
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FREEPORT, IL. ROCKFORD, IL. ROCHELLE, IL. MONROE, WI. SPRINGFIELD, IL.

**SUMMARY OF QUANTITIES, GENERAL NOTES AND TYPICAL CROSS SECTIONS**

SCALE: N/A

PROPOSED STRUCTURE @ STA. 90+20

|                               |                        |                 |                    |             |
|-------------------------------|------------------------|-----------------|--------------------|-------------|
| TWP. RTE. 55B                 | SECTION 07-16121-00-BR | COUNTY IROQUOIS | TOTAL SHEETS 33    | SHEET NO. 2 |
| MARTINTON ROAD DIST. ILLINOIS |                        |                 | CONTRACT NO. 87487 |             |