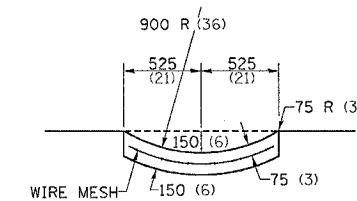
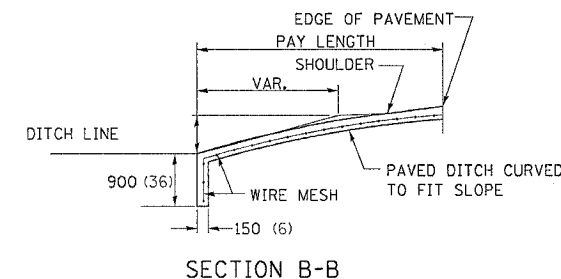
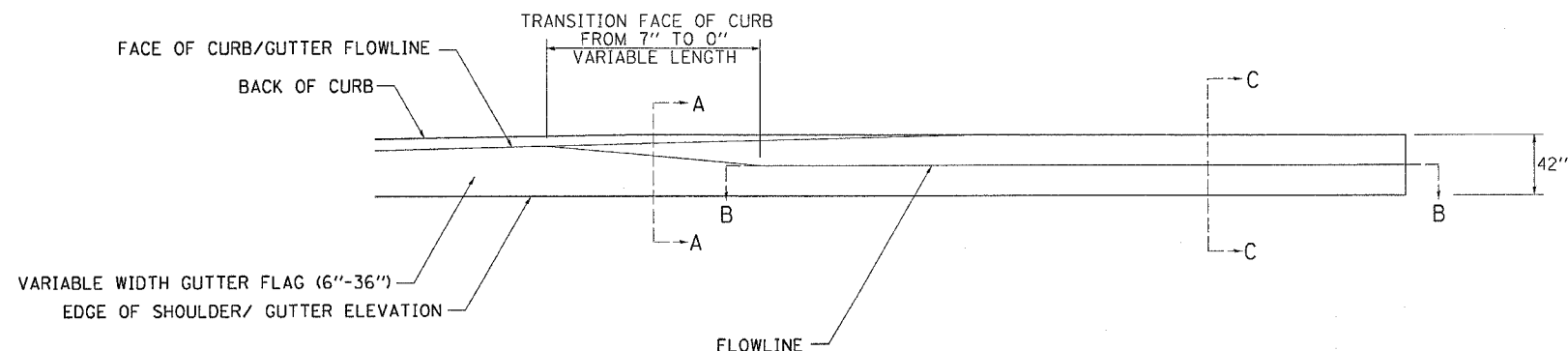


| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|-----------|----------|------------------|-----------|
| 80 | 37-1HBR-1 | HENRY | 133 | 63 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |

CURB AND GUTTER FLUME DETAIL



QUANTITY OF CONCRETE
 SECTION B-B = STA 38+30 - STA 38+45 = 1.05 CU.YD
 SECTION B-B = STA 40+25 - STA 40+50 = 1.75 CU.YD

SECTION C-C

NOTE:

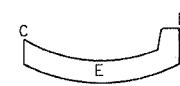
CLASS SI CONCRETE SHALL BE USED THROUGHOUT. CURB AND GUTTER OUTLET SHALL BE TIED TO PAVEMENT SLAB WITH 2 TIE BARS, 750(30) LONG - 750(30) CENTERS. OUTLET SHALL BE TIED TO CURB AND GUTTER AT CONTRACTION JOINTS AS SHOWN. GUTTER OUTLET AND PAVED DITCH SHALL BE REINFORCED WITH WIRE MESH HAVING A WEIGHT OF AT LEAST 2.83 Kg/m² (58 LBS/FT.²) COST TO BE INCLUDED IN THE UNIT PRICE PER (CUBIC METER) (CU.YD.) FOR CLASS SI CONCRETE (OUTLET).

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

| FLUME ELEVATION CHART | | | | | | | | | |
|-----------------------|---------------|---------------------------------------|------------------------|--------------------------------|------------------------|---------------------------|-----------------------------|---------------------|--|
| STATION | EOP ELEV. (A) | SHOULDER WIDTH (APPROXIMATE) (FT) (B) | SHOULDER SLOPE (%) (C) | EDGE OF SHLDR/GUTTER ELEV. (D) | GUTTER FLAG WIDTH (FT) | GUTTER FLAG SLOPE (%) (E) | TOP OF CURB/FLUME ELEV. (F) | GUTTER FL ELEV. (G) | NOTES |
| 38+30 | | N/A | N/A | | | | 607.61 | 607.11 | End Flume |
| 38+40 | | N/A | N/A | | | | 607.64 | 607.14 | |
| 38+45 | | N/A | N/A | | N/A | N/A | 607.99 | 607.59 | Flume Configuration Per Flume Detail |
| 38+50 | 608.44 | N/A | N/A | 608.24 | N/A | N/A | 608.40 | 608.04 | |
| 38+53 | 608.44 | 5 | 4.00 | 608.24 | 2.85 | 6.00 | STD 606001 | 608.07 | Begin Gutter to Flume Transition |
| 38+60 | 608.43 | 5 | 4.00 | 608.23 | 2.50 | 6.00 | STD 606001 | 608.08 | |
| 38+70 | 608.42 | 5 | 4.00 | 608.22 | 1.67 | 6.00 | STD 606001 | 608.12 | |
| 38+80 | 608.41 | 5 | 4.00 | 608.21 | 0.83 | 6.00 | STD 606001 | 608.16 | |
| 38+85 | 608.41 | 5 | 4.00 | 608.21 | 0.50 | 6.00 | STD 606001 | 608.18 | Begin Combination Concrete C&G, Type M (Special) |
| 39+53 | 608.34 | 5 | 4.00 | 608.14 | 0.50 | 6.00 | STD 606001 | 608.11 | Begin Combination Concrete C&G, Type M (Special) |
| 39+60 | 608.33 | 5 | 4.00 | 608.13 | 0.67 | 6.00 | STD 606001 | 608.09 | |
| 39+70 | 608.32 | 5 | 4.00 | 608.12 | 1.17 | 6.00 | STD 606001 | 608.05 | |
| 39+80 | 608.31 | 5 | 4.00 | 608.11 | 1.67 | 6.00 | STD 606001 | 608.01 | |
| 39+90 | 608.3 | 5 | 4.00 | 608.10 | 2.17 | 6.00 | STD 606001 | 607.97 | |
| 39+95.50 | 608.29 | 5 | 4.00 | 608.09 | 2.33 | 6.00 | STD 606001 | 607.95 | |
| 40+00 | 608.29 | 5 | 4.00 | 608.09 | 2.67 | 6.00 | STD 606001 | 607.93 | Begin Gutter to Flume Transition |
| 40+10 | 608.28 | 4.92 | 4.07 | 608.08 | Transition | Variable | 608.13 | 607.81 | |
| 40+20 | 608.27 | 4.48 | 4.46 | 608.07 | Transition | Variable | 608.13 | 607.69 | |
| 40+25 | 608.27 | 5 | 4.00 | 608.07 | N/A | N/A | 608.13 | 607.63 | Flume Configuration Per Flume Detail |
| 40+30 | 608.27 | 3.76 | 4.00 | 608.12 | N/A | N/A | 608.07 | 607.57 | |
| 40+40 | 608.26 | 2.2 | 4.00 | 608.17 | N/A | N/A | 607.94 | 607.45 | |
| 40+50 | 608.25 | 1.06 | 4.00 | 608.21 | N/A | N/A | 607.83 | 607.33 | End Flume |

NOTES:
 STATION 38+30 TO STATION 38+85
 Combination Concrete Curb and Gutter, Type M (Special) Begins at Station 38+53 to Station 38+85 and Station 39+53 to Station 40+00.
 Concrete Flume Begins at Station 38+30 to Station 38+53 and Station 40+00 to Station 40+50.
 Station 38+53 to Station 38+85 Curb and Gutter Flowline Slope = 0.35%
 From Station 38+45 to Station 38+53 the Curb and Gutter will taper from 3.50 feet to 3.583 feet.
 From Station 38+45 to Station 38+53 the Face of Curb will taper from 0-inches to 7-inches.
 Station 38+30 to Station 38+53 Flume Flowline Slope = 4.17%
 STATION 39+53 TO STATION 40+50
 Station 39+53 to Station 40+00 Curb and Gutter Flowline Slope = 0.383%
 Station 40+00 to Station 40+50 Flume Flowline Slope = 1.20%
 From Station 40+00 to Station 40+25 the Curb and Gutter will taper from 3.583 feet to 3.50 feet.
 From Station 40+00 to Station 40+25 the Face of Curb will taper from 7-inches to 0-inches.
 Flowline locations will taper as shown on the project plans.

PLOT DATE = Fri, Sep 01 10:45:07 2006
 FILE NAME = c:\arc\p213108\313108apl.dgn
 PLOT SCALE = 56.8008 / 1 IN.
 USER NAME = rnkostj



QUANTITY OF CONCRETE
 SECTION A-A = STA 38+45 - STA 38+53 = 0.62 CU.YD
 SECTION A-A = STA 40+00 - 40+25 = 2.02 CU.YD

SECTION A-A

| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION |
|--------------------------|------|---------------------------------------|
| NAME | DATE | |
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