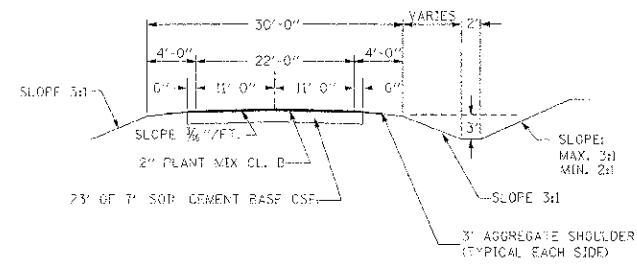
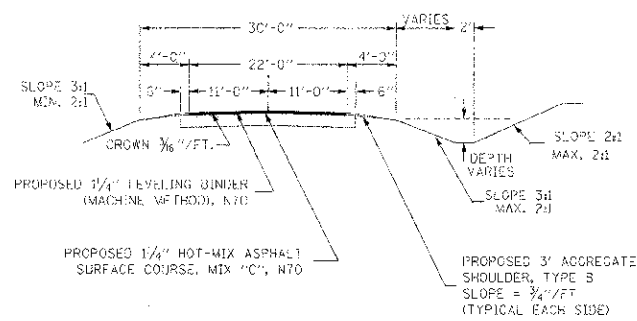


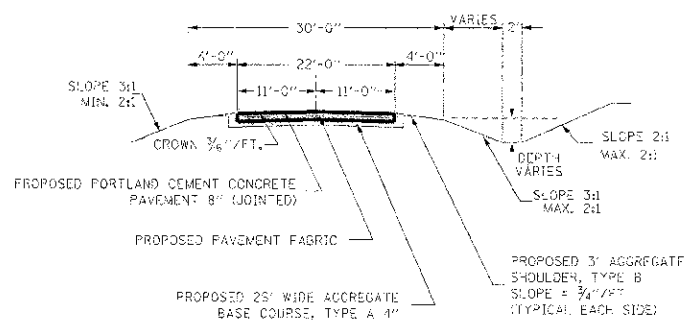
TYPICAL CROSS SECTION
EXISTING



TYPICAL CROSS SECTION
PROPOSED
(STA 124+00 TO STA 121+50.20)



TYPICAL CROSS SECTION
PROPOSED
(STA 121+50.20 TO STA 122+83)



GENERAL NOTES:

THIS SECTION CONSISTS OF LEVELING BINDER (MACHINE METHOD), N70, AND HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N70, AGGREGATE SHOULDERS, RECONSTRUCTION OF THE INTERSECTION AT ILLINOIS ROUTE 130 WITH PORTLAND CEMENT CONCRETE PAVEMENT ON AN AGGREGATE BASE COURSE AND OTHER MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE PROJECT, ALL IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012.

THE EXISTING GRADE, ALIGNMENT, DRAINAGE STRUCTURES, BASE AND SURFACE WERE CONSTRUCTED UNDER SECTIONS 31-0, 91-00031-01-RS AND SHALL REMAIN IN PLACE. ALL STATIONS REFERRED TO IN THE PLANS AND PROPOSAL ARE REFERENCED TO THE ABOVE MENTIONED SECTIONS.

| | |
|---------------------------------|---------|
| MAXIMUM PERCENT OF GRADE | -4.00 % |
| MINIMUM STOPPING SIGHT DISTANCE | 425 FT |
| DESIGN SPEED | 50 MPH |
| CURRENT ADT | 400 VPD |
| DESIGN ADT (20 YEAR) | 450 VPD |

THE HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N70 SHALL BE PLACED IN ONE LIFT WITH A MINIMUM THICKNESS OF 1 1/4".

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N70 ALLOWS 79 TON FOR THE INTERSECTIONS, SIDEROADS, AND TAPERS; 99 TON FOR THE ENTRANCES; 14 TON FOR THE MAILBOX TURNOUTS, AND 207 1/2 TON FOR THE 1/4" HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N70.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

| | |
|----------------------------------|-------------------------|
| AGGREGATE SHOULDERS (TYP. B) | 8 T / CU YD |
| HOT-MIX ASPHALT | 0.0560 T / SQ YD * INCH |
| AGGREGATE PRIME COAT | 0.001 T / SQ YD |
| BITUMINOUS MATERIAL (PRIME COAT) | 0.05 GAL / SQ YD |

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR GRADING AND SHAPING DITCHES ALLOWS 50 FOOT AT EACH END OF ALL PIPES TO BE REMOVED & RELAY AT STATIONS SHOWN IN SCHEDULE OF REMOVE & RELAY PIPE CULVERTS.

ALL DISTURBED AREAS ARE TO BE SEEDED BY THE COUNTY.

SCHEDULE FOR SUPERELEVATION RATES

| CURVE #1 | CURVE #2 |
|-------------------------------------|-------------------------------------|
| TANGENT RUNOFF BEGINS STA. 8+04.92 | TANGENT RUNOFF BEGINS STA. 17+43.42 |
| S.E. RUNOFF BEGINS STA. 8+63.92 | S.E. RUNOFF BEGINS STA. 17+78.42 |
| F.U.L. S.E. BEGINS STA. 8+98.92 | FULL S.E. BEGINS STA. 18+48.42 |
| F.U.L. S.E. ENDS STA. 14-42.25 | FULL S.E. ENDS STA. 23+18.90 |
| S.E. RUNOFF ENDS STA. 14+77.25 | S.E. RUNOFF ENDS STA. 23+80.90 |
| TANGENT RUNOFF ENDS STA. 15+36.25 | TANGENT RUNOFF ENDS STA. 24+23.90 |
| S.E. RATE = 0.025 FT / FT | S.E. RATE = 0.030 FT / FT |
| CURVE #3 | CURVE #5 |
| TANGENT RUNOFF BEGINS STA. 51+79.54 | TANGENT RUNOFF BEGINS STA. 69+99.76 |
| S.E. RUNOFF BEGINS STA. 52+14.54 | S.E. RUNOFF BEGINS STA. 70+34.76 |
| FULL S.E. BEGINS STA. 54+01.54 | FULL S.E. BEGINS STA. 72+21.76 |
| FULL S.E. ENDS STA. 61+56.21 | FULL S.E. ENDS STA. 79+03.10 |
| S.E. RUNOFF ENDS STA. 63+43.21 | S.E. RUNOFF ENDS STA. 81+80.10 |
| TANGENT RUNOFF ENDS STA. 63+78.21 | TANGENT RUNOFF ENDS STA. 82+15.10 |
| S.E. RATE = 0.080 FT / FT | S.E. RATE = 0.080 FT / FT |

SUMMARY OF QUANTITIES

| QUANTITY | UNIT | ITEM | CODE NUMBER |
|----------|--------|---|-------------|
| 700.00 | FOOT | GRADING AND SHAPING DITCHES | 2100100 |
| 30.00 | TON | STONE DUMPED RIPRAP, CLASS A3 | 28100805 |
| 820.80 | SQ YD | AGGREGATE BASE COURSE, TYPE A 4" | 35100300 |
| 1376.00 | GALLON | BITUMINOUS MATERIALS (PRIME COAT) | 40600100 |
| 2823.00 | TON | LEVELING BINDER (MACHINE METHOD), N70 | 40600635 |
| 2263.00 | TON | HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N70 | 40603315 |
| 731.40 | SO YD | PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED) | 42000301 |
| 731.40 | SO YD | PAVEMENT FABRIC | 42001200 |
| 1903.00 | TON | AGGREGATE SHOULDERS, TYPE B | 48101700 |
| 40.00 | POUND | REINFORCEMENT BARS | 50800105 |
| 8.00 | EACH | EXPANSION BOLTS 3/4 INCH | 54002025 |
| 30.00 | FOOT | PIPE CULVERTS, CLASS A, TYPE 1 30" | 542A0235 |
| 52.00 | FOOT | PIPE CULVERTS, CLASS A, TYPE 1 36" | 542A0241 |
| 46.00 | FOOT | PIPE CULVERTS, CLASS A, TYPE 1 48" | 542A0253 |
| 130.00 | FOOT | PIPE CULVERTS, CLASS A, TYPE 2 24" | 542A1069 |
| 60.00 | FOOT | PIPE CULVERTS, CLASS A, TYPE 2 36" | 542A1081 |
| 52.00 | FOOT | PIPE CULVERTS, CLASS A, TYPE 2 42" | 542A1087 |
| 62.00 | FOOT | PIPE CULVERTS, CLASS A, TYPE 2 60" | 542A1105 |
| 4.00 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | 54213669 |
| 1.00 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30" | 54213675 |
| 4.00 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" | 54213681 |
| 2.00 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42" | 54213687 |
| 2.00 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" | 54213693 |
| 2.00 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60" | 54213705 |
| 1.10 | CU YD | CONCRETE COLLAR | 54248510 |
| 209.00 | CU YD | CONTROLLED LOW-STRENGTH MATERIAL | 59300100 |
| 1.00 | L SUM | MOBILIZATION | 67100100 |
| 1.00 | L SUM | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | 70100460 |
| 1.00 | L SUM | TRAFFIC CONTROL AND PROTECTION, STANDARD 701336 | 70100600 |
| 2456.00 | FOOT | SHORT TERM PAVEMENT MARKING | 70300100 |
| 39140.00 | FOOT | PAINT PAVEMENT MARKING-LINE 4" | 78001110 |
| 2.00 | UNIT | GRADING AND SHAPING SHOULDERS | X2020110 |
| 1228.00 | FOOT | SHORT TERM PAVEMENT MARKING REMOVAL | XX003140 |
| 61.00 | TON | PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL) | XX127400 |

Δ SPECIALTY ITEMS

323 W. 3RD ST.
P.O. BOX 160
MT. CARMEL, IL
62863
PHONE:
(618)-262-8691
FAX:
(618)-263-0327

405 W. STATE ST.
SUITE 1
PRINCETON, IN
47670

PHONE:
(812)-386-7011
FAX:
(812)-386-2812

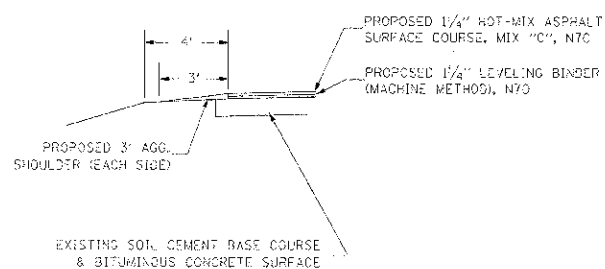


PROFESSIONAL
DESIGN FIRM
LAND SURVEY &
PROFESSIONAL
ENGINEERING
CORPORATION
184-C00887
(62-032435)(35-002769)

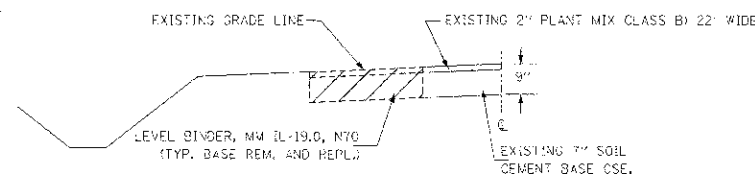


AARON M. MEFFORD
NAME
SIGNATURE
DATE
11-30-13
EXPIRES

AGGREGATE SHOULDER DETAIL



DETAIL OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL



NOTES: IN THE TYPICAL DETAIL, ABOVE THE DISTANCE FROM THE CENTERLINE LEFT OR RIGHT AND THE WIDTH OF PAVEMENT REMOVAL AND REPLACEMENT VARIES. SEE SCHEDULE OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL FOR PROPOSED LOCATIONS.

UTILITIES

ELLERY WATER CORP.
ROUTE 1 BOX 163A
ELLERY, IL 62833
618-838-7116

WAYNE-WHITE ELECTRIC
DRAWER E
FAIRFIELD, IL 62837
618-842-2196

WABASH TELEPHONE COOP
P.O. BOX 239
200 S. CHURCH
LOUISVILLE, IL 62358
618-665-3311

FRONTIER TELEPHONE CO.
225 EAST CHESTNUT
ONLEY, IL 62450
618-395-6191

JULI, ILL.
800-692-0125