| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1517 | 03-00247-00-BR | KANE | 121 | 13 |
| STA. 107+50 | TO STA. 112+50 | | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | HIGHWAY PROJECT | | |

CONTRACT #: 83867

PROPOSED RESURFACING (2,171 SY) SHALL EXTEND TO STATION 105+75 (STA. 105+75 TO STA. 109+02)
- BITUMINOUS SURFACE REMOVAL, 1½"
- LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70, (THICKNESS VARIES)
- BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX D, N70, 1½"

ORCHARD AVE.

EXIST. COMBINATION CONC. CURB AND GUTTER

EXIST. BUILDING

EXIST. R.O.W.

EXIST. CONC. SIDEWALK

EXIST. EDGE OF PAVEMENT

EXIST. CONC. MEDIAN

EXIST. 66.0' R.O.W.

PROP. 76.0' R.O.W.

5.0' (TYP.)

100' TAPER

PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12 (348 LF) (STA. 109+02 TO STA 112+50)

PROPOSED PAVEMENT (166 SY)
- BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX D, N70, 1½"
- BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0, N70, 2 ½"
- BITUMINOUS BASE COURSE, SUPERPAVE 8"
- SUB BASE GRANULAR MATERIAL, TYPE B, 4"

PROP. P.C.C. SIDEWALK, 5" (1810 SF) (STA. 109+00 TO STA 112+50)

PROP. BIT. DRIVEWAY PAVEMENT 8", (37 SY) (STA. 111+85.7 TO STA 112+50)

PROP. & ILLINOIS AVE. = PROP. PCL

4.0" PROP. CONCRETE MEDIAN TYPE SB-9.12 (1,116 SF) (STA. 109+06 TO STA. 112+50)

2.0'

50.0' E.E.

24.0' E.E.

EXIST. DRIVE

EXIST. R.O.W.

MATCH LINE STA. 112+50 SEE SHEET NO. 14

PROP. P.C.C. SIDEWALK, 5" (3195 SF) (STA. 109+00 TO STA. 112+50)

EXIST. COMBINATION CONC. CURB AND GUTTER

EXIST. COMMERCIAL DRIVE

36' R

PROP. R.O.W.

PROP. BIT. DRIVEWAY PAVEMENT 8", (5 SY)

PROPOSED RESURFACING (1,910 SY)
- BITUMINOUS SURFACE REMOVAL, 1½"
- LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70, (THICKNESS VARIES)
- BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX D, N70, 1½"

PROPOSED PAVEMENT (110 SY)
- BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX D, N70, 1½"
- BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0, N70, 2 ½"
- BITUMINOUS BASE COURSE, SUPERPAVE 8"
- SUB BASE GRANULAR MATERIAL, TYPE B, 4"

PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12 (348 LF) (STA. 109+02 TO STA 112+50)

PROP. 86.0' R.O.W.

BEGIN ILLINOIS AVENUE IMPROVEMENTS STA. 105+75

LIMITS OF NON-PARTICIPATING 100% LOCAL ITEMS STA. 105+75 TO STA. 109+02

LIMITS OF FEDERAL PARTICIPATION STA. 109+02 TO STA. 123+05

**LEGEND**
- PROPOSED RESURFACING (QUANTITY ON PLANS)
- PROPOSED PAVEMENT (QUANTITY ON PLANS)
- PROPOSED PCC SIDEWALK, 5" (QUANTITY ON PLANS)
- PROPOSED PCC SIDEWALK, 5" (SPECIAL) (QUANTITY ON PLANS)
- PROPOSED DEPRESSED CURB & GUTTER
- PROPOSED CONCRETE PAVEMENT (QUANTITY ON PLANS)

LINE TABLE

| LINE | LENGTH | BEARING | BEGIN STA. | END STA. |
|---|---|---|---|---|
| L1 | 500.00' | S89°04'04"W | 100+00 | 105+00 |
| L2 | 401.59' | S89°04'04"W | 105+00 | 109+01.59 |
| L3 | 406.52' | N89°35'59"E | 109+01.59 | 113+08.10 |
| L4 | 722.16' | N88°59'04"E | 113+08.10 | 120+30.26 |
| L5 | 454.41' | S89°34'41"E | 120+30.26 | 124+84.68 |
| L6 | 53.89' | N89°37'36"E | 124+84.68 | 125+38.57 |
| L7 | 283.73' | N63°42'21"E | 125+38.57 | 128+22.30 |
| L8 | 271.84' | N89°24'05"E | 128+22.30 | 130+94.14 |

ILLINOIS AVENUE

PVI STA = 110+00
PVI ELEV = 652.80
A.D. = -1.24
K = 96.69
120.0' VC

PVI STA = 109+00
PVI ELEV = 657.87

BVCS: 109+40
BVCE: 655.84

EVCS: 110+60
EVCE: 649.01

BVCS: 111+12.50
BVCE: 645.70

LOW POINT ELEV. = 639.72
LOW POINT STA. = 113+02.08
PVI STA. = 112+25
PVI ELEV. = 638.60
A.D. = 7.49
K = 30.04
225.0' VC

MATCH EXISTING

-4.44%

-5.07%

-6.31%

EXIST. GRADE ELEVATION ALONG PROP. CENTERLINE

PROPOSED CENTERLINE ELEVATION

| | 108+00 | 109+00 | 110+00 | 111+00 | 112+00 |
|---|---|---|---|---|---|
| EXIST. GRADE ELEVATION ALONG PROP. CENTERLINE | 665.73 / 663.51 | 660.09 / 660.09 | 657.87 / 657.87 | 656.12 / 655.33 | 648.00 / 648.64 |
| PROPOSED CENTERLINE ELEVATION | | | 652.61 | 646.55 / 646.49 | 644.41 / 644.57 / 641.02 / 641.45 / 639.77 |

670 665 660 655 650 645 640 635 630

CITY OF AURORA
ILLINOIS AVENUE OVER THE FOX RIVER
PLAN AND PROFILE
STA 107+50 TO STA. 112+50

SCALE: VERT. 1"=5' HORIZ. 1"=20' | DRAWN BY: MPL
DATE: 09-18-2006 | CHECKED BY: JLP

FINAL SURVEY NOTE BOOK | BY | DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
NO.

COMP. FILE: 130181-602e.dwg
PLOT FILE:
VIEW: CE-13

SMITH ENGINEERING CONSULTANTS INC.