FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2111	01-00268-00-BR	KANE	70	
STA. 13+00	TO STA. 26+00			
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	83973	

OWNER
NW¼, NW¼, SEC 18, T. 39 N., R. 8 E., 3RD P.M.

N

STATION 18+97 - SPECIAL BRIDGE DESIGN
STEEL WF BEAM BRIDGE WITH POURED CONCRETE DECK.
SINGLE SPAN @ 92'-0"
68'-0" RDWY.; SKEW = 30°

EXISTING R.O.W. LINE

HMA SURF. CSE., MIX D, N70 (1½" THICKNESS)
LEVELING BINDER (MM), N70

HMA SHOULDERS, 4"

CONSTRUCTION LIMITS

SPECIAL DITCH (TYP.)

KANEVILLE ROAD

PC STA. 13+02.48

PI STA. 16+15.59

PT STA. 24+26.11

FABYAN PARKWAY

IMPROVEMENT BEGINS
STATION 15+50

IMPROVEMENT ENDS
STATION 24+00

TRAFFIC SIGNAL CONTROLLERS

VIDEO SPLICE BOX

WOOD BRIDGE

GOLF CART PATH

RETAINING WALL

BRIDGE DECK

PAVED DITCH

MILL CREEK

WETLAND

EXISTING STORM SEWER

COMPENSATORY STORAGE EXCAVATION AREA

EXISTING R.O.W. LINE

℄ PROPOSED IMPROVEMENT

HMA SHOULDERS, 4"

+66.5 60'
+50.0 32.0'
+00.0 32.0'
+30.0 20.0'
+50.0 20.0'
+84.3 50'
+43.0 100'
+50.0 20.0'
+50.0 20.0'

60°

CURVE DATA
P.I. STA. 16+15.59
Δ = 9° 23' 47" (LT)
D = 1° 30' 14"
R = 3,810.00'
T = 313.12'
L = 624.83'
E = 12.84'
P.C. STA. 13+02.48
P.T. STA. 19+27.31
TRANSITION
STA. 16+20.95 TO STA. 20+22.31
S.E. = 0.08 FT/FT

CURVE DATA
P.I. STA. 24+26.11
Δ = 5° 24' 37" (RT)
D = 5° 31' 46"
R = 1036.20'
T = 198.80'
L = 929.76'
E = 113.81'
P.C. STA. 19+27.31
P.T. STA. 28+57.07
TRANSITION
STA. 16+20.95 TO STA. 20+22.31
S.E. = 0.08 FT/FT

0 50' 100'
GRAPHIC SCALE

HARRIS BANK OF ST. CHARLES
TRUST NO. LT-1996
NW¼, NW¼, SEC 18, T. 39 N., R. 8 E., 3RD P.M.

CHANNEL EXCAVATION
THE CHANNEL SHALL BE EXCAVATED AS SHOWN IN THE PLANS WITH 2:1 SIDE SLOPES WITHIN THE LIMITS OF THE PROPOSED STRUCTURE, THEN TAPER TO THE EXISTING CHANNEL AT THE R.O.W. LINES. ONLY SUITABLE EXCAVATED MATERIAL SHALL BE USED IN THE EMBANKMENT.

EXISTING STRUCTURE NO. 045-3008
STATION 18+98 - SINGLE PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE ON CLOSED CONCRETE ABUTMENTS AND WINGWALLS.
35.70' FC.-FC. ABUTS; 60.5' o.-o. DECK
REMOVAL OF EXISTING STRUCTURES = 1 EACH

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
NOTE BOOK
NO.
DATE
BY
CADD FILE NAME

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
NO.
DATE
BY
CADD FILE NAME
STRUCTURE NOTATIONS CHKD

BM B - S.E. COR. CONC. PAD N. SIDE OF FABYAN ACROSS FROM RES #39W065 ELEV. 746.41

BM A - TOP NUT IN FIRE HYDRANT S.E. COR. FABYAN PARKWAY AND MILL CREEK ELEV. 729.88

BM C - N.W. WINGWALL ON BRIDGE 30' LT., STA. 18+96 ELEV. 717.79

BM D - SPIKE NAIL IN POWER POLE N. SIDE OF FABYAN 1ST P.P. EAST OF KANEVILLE RD. ELEV. 718.61

VPI STA. 16+50 ELEV 721.50
K = 148
175' V.C.

VPI STA. 22+50 ELEV 710.88
K = 113
200' V.C.

EARTH EXCAVATION = 1,330 CU YD
CHANNEL EXCAVATION = 1,210 CU YD

EXISTING ℄ GRADE

-2.95%
-2.00%
-4.00%
-1.77%
+0.00%
+0.20%
+0.30%
+0.40%
+2.40%

100 YEAR H.W. ELEV. 710.5
50 YEAR H.W. ELEV. 710.1

PROPOSED ℄ GRADE

720.00 LT.
SP. DITCH LT.
716.00 LT.
715.00 LT.

CHANNEL EXCAVATION
STONE RIPRAP
SP. DITCH LT.
SP. DITCH RT.
12" EXIST. S.S.
706.10 RT.
705.50 RT.
707.00 RT.
707.50 LT.
707.40 RT.
707.80 LT.

℄ ELEV. 701.7
*2:1 @ RT. ℄'S

SUPERELEVATION TRANSITION DETAIL
SUPERELEVATION RATE FT/FT
0.08 0.06 0.04 0.02 -0.02 -0.04 -0.06 -0.08
MATCH EXIST.
LEFT
RIGHT
FULL SE.
16+00 16+20.95 17+00 18+00 19+00 20+00 20+22.31 21+00

EXISTING ELEVATION
732.50 731.29 729.98 728.60 727.30 725.87 724.45 724.45 723.09 723.02 721.79 721.76 720.58 720.66 719.59 719.73 718.63 718.84 717.51 717.96 715.58 716.19 714.60 715.31 713.79 714.42 712.82 713.54 712.08 712.65 711.56 711.88 711.19 711.32 710.96 710.99 710.88 710.88 710.98 711.17 711.59 712.27 713.01 713.93 714.99 716.06 717.00

PROPOSED (TANGENT) ELEVATION

13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00

735 730 725 720 715 710 705 700 695