Xrefs:
C-RP
C-TP
C-PP001
PLAN-E
GRID-E
C-ROW

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8075	03-00167-04-FP	SANGAMON	109	19
STA.	455+50	TO STA.	470+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CURVE #1
P.I. STA 477+23.91
△ = 37°-24'-48" R
Da = 00°-59'-16"
T = 1963.94'
R = 5800.00'
L = 3787.31'
E = 323.48'
P.C. STA 457+59.97
P.T. STA 495+47.28
S.E. = 2.70%
S.E.A.
STA 456+43.00 TO STA 458+18.00
STA 494+89.00 TO STA 496+64.00

FREDERICK M. & HELEN D. POFFENBERGER
PART OF THE W 1/2, SW 1/4, SEC. 22, T15N, R4W, 3rd PM

ROBERT E. SHARP
PART OF THE NE 1/4, SW 1/4, SEC. 22, T15N, R4W, 3rd PM

ROBERT M. & JANE B. FAIRCHILD
PART OF THE SW 1/4, NW 1/4, SEC. 22, T15N, R4W, 3rd PM

ROBERT M. & JANE B. FAIRCHILD
PART OF THE SW 1/4, NW 1/4, SEC. 22, T15N, R4W, 3rd PM

*98°29'48" LOCAL TANGENT
**STA 468+28.53 CARDINAL HILL RD= STA 200+00.00 OAK HILL RD

PROP. TEMP. EASEMENT
58"x36" CMP ARCH TO BE REMOVED USFL 566.88 DSFL 566.89
PROP. STONE RIPRAP CLASS A3, 82 TON SEE SHEET 40
P.C. STA 235+75.00
P.I. STA 239+64.67
CARDINAL HILL ROAD TO BE DEGRADED
EXIST. R.O.W.
PROP. R.O.W.
BM #54
BM #55
198+85.16 75.01' RT
PROP. STONE RIPRAP CLASS A3, 25 TON SEE SHEET 40
PROP. STONE RIPRAP CLASS A3, 43 TON SEE SHEET 40
58:1 TAPER
456+00.00 65.00' LT
456+25.00 12.00' LT
459+00.00 65.00' LT
460+74.25 70.00' LT
463+05.99 80.00' LT
465+22.35 69.96' LT
466+52.59 12.00' LT
455+50.00 41.21' LT
SAW CUT EXIST. PAVEMENT
BEGIN CONST. CARDINAL HILL RD. STA 455+50.00
MATCH EXIST. PAVE. ELEV.
18"ø CMP USFL 571.90 DSFL 571.48
455+50.00 38.79' RT
76:1 TAPER
456+00.00 60.00' RT
456+25.00 12.00' RT
457+88.00 12.00' RT
462+68.00 24.00' RT
TREE REMOVAL 0.07 ACRES
PROP. ℄ CONSTRUCTION
462+00.00 75.00' RT
PROP. CONST. LIMITS (TYP.)
463+00.00 95.00' RT
466+00.00 100.00' RT
468+26.66 90.00' RT
468+00.00 91.63' RT
468+00.00 110.00' RT
PROP. TEMP. EASEMENT
468+29.70 110.00' RT
468+38.15 165.00' RT
468+58.99 165.09' RT
469+50.00 75.00' RT
PROP. STONE RIPRAP CLASS A3, 660 TON SEE SHEET 40
469+10.00 165.00' RT
SEE INTERSECTION DETAIL SHEET 33
469+10.00 75.00' LT
PROP. STONE RIPRAP CLASS A3, 154 TON SEE SHEET 40
469+07.68 12.00' LT
469+50.00 24.00' RT
OAK HILL ROAD
CARDINAL HILL ROAD
EXIST. R.O.W.
P.L.
22'
18'
20'
FF 722.47

① PROP. BOX CULVERT NO. 1
PRECAST CONC. BOX CULVERT, 8'x4' (M273)
STA 468+05.77
45° RHF SKEW
161 FEET
USFL 564.30 LT, DSFL 563.39 RT
BOX CULVERT END SECTION, CULVERT NO. 1, 1 EA (UPSTREAM)
BOX CULVERT END SECTION, SPECIAL, 1 EA (DOWNSTREAM)
SEE SHEET 61, 62, & 63 FOR END SECTION DETAILS

② PROP. ALUMINUM BOX CULVERT
13'x3' TO BE ERECTED (MATERIAL FURNISED BY THE COUNTY)
STA 468+22.47, RT
36 FEET
USFL 563.63, DSFL 563.40
ALUMINUM BOX CULVERT HEADWALL, 1 EA
60° 60°
ALUMINUM BOX HEADWALL WINGS

③ PROP. 30"ø RCCP
STA 468+83.11
103 FEET, TYPE 1
PRCF END SECTION, 1 EA
USFL 563.59 LT
DSFL 563.40 RT

WATERWAY INFORMATION
STA 467+05.77
DRAINAGE AREA = 323 ACRES
30 YR DISCHARGE = 180 CFS
100 YR DISCHARGE = 288 CFS

BM #54: RAILROAD SPIKE IN EAST SIDE OF POWER POLE
STA 456+40±, 40'± LT
EL 573.40

BM #55: 60d NAIL IN NORTH FACE OF POWER POLE
STA 467+85±, 155'± LT
EL 569.95

BOP STA = 455+50.00 BOP EL = 575.62
BEGIN SD LT STA 455+50.00 EL 571.90
BEGIN SD RT STA 455+50.00 EL 571.65
SD LT STA 456+00.00 EL 568.95
SD RT STA 461+00.00 EL 567.10
SD LT STA 462+00.00 EL 567.15
SD LT STA 463+00.00 EL 566.15
END SD LT STA 467+32.00 EL 564.30
BEGIN SD LT STA 469+00.00 EL 563.60
SD RT STA 469+50.00 EL 563.00
VPC STA = 467+00.00 VPC EL = 571.37
VPI STA = 468+00.00 VPI EL = 571.00 L = 200.00 E = 0.33
STA 468+28.53 CARDINAL HILL RD= STA 200+00.00 OAK HILL RD
VPT STA = 469+00.00 VPT EL = 571.93
PROP. SPECIAL DITCH RIGHT
PROP. SPECIAL DITCH LEFT
PROP. PROFILE GRADE
EXISTING GROUND LINE
-5.50%
-0.83%
-0.30%
-2.00%
-0.37%
-0.48%
-0.20%
0.93%
2.67%
2.13%

LAYOUT	BJB	3/15/04
DRAWN	BJB	7/22/04
REVIEWED	LDK	7/21/04

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EXISTING	576.03	575.83	575.62	575.28	574.94	574.57	574.41	574.26	574.11	574.06	574.04	573.93	570.76	569.19	569.24	569.06	569.12	571.73	572.43	571.99	571.85	571.69	570.07	567.85	566.85	566.42	565.81	565.46	564.89	564.86	565.99	567.27
PROPOSED			575.62	575.44	575.25		574.88	574.70	574.51	574.33	574.14	573.96	573.77	573.59	573.40	573.22	573.03	572.85	572.66	572.48	572.29	572.11	571.92	571.74	571.55	571.37	571.27	571.33	571.55	571.93	572.40	572.87

454+00	455+00	456+00	457+00	458+00	459+00	460+00	461+00	462+00	463+00	464+00	465+00	466+00	467+00	468+00	469+00	470+00

590 585 580 575 570 565 560 555 550 545

CARDINAL HILL ROAD