CONTRACT NO. 72667

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	69-3(3HB)	MORGAN	793	217
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

	FAP 310 (US 67)		BETHEL LANE		ELEVATION
A1	953+61.61	49.00' LT	79+10.38	145.14' RT	637.04
A2	953+70.12	49.12' LT	79+12.47	136.89' RT	637.06
A3	953+78.62	49.48' LT	79+14.32	128.58' RT	637.08
A4	953+87.12	50.09' LT	79+15.94	120.22' RT	637.09
A5	953+95.59	50.93' LT	79+17.31	111.82' RT	637.10
A6	954+04.03	52.02' LT	79+18.45	103.38' RT	637.10
A7	954+12.44	53.34' LT	79+19.35	94.92' RT	637.10
A8	954+20.81	54.90' LT	79+20.01	86.43' RT	637.09
A9	954+29.13	56.70' LT	79+20.43	77.93' RT	637.07
A10	954+37.40	58.73' LT	79+20.60	69.41' RT	637.03
A11	954+45.61	61.00' LT	79+20.53	60.90' RT	636.97
A12	954+52.84	63.73' LT	79+19.77	53.20' RT	636.89
A13	954+59.57	67.55' LT	79+17.82	45.72' RT	636.81
A14	954+65.63	72.36' LT	79+14.74	38.62' RT	636.73
A15	954+70.88	78.05' LT	79+10.61	32.08' RT	636.65
A16	954+75.18	84.48' LT	79+05.51	26.26' RT	636.57
A17	954+78.44	91.49' LT	78+99.58	21.29' RT	636.49
A18	954+80.58	98.93' LT	78+92.95	17.30' RT	636.41
A19	954+81.55	106.60' LT	78+85.79	14.38' RT	636.31
A20	954+81.32	114.34' LT	78+78.26	12.60' RT	636.20
A21	954+79.90	121.94' LT	78+70.55	12.00' RT	636.07

PROP. CURVE C61
PI STA. = 76+30.32
Δ = 18° 02' 28" (RT)
D = 10° 08' 27"
R = 565.00'
T = 89.70'
L = 177.91'
E = 7.08'
e = 0.040
P.C. STA. = 75+40.63
P.T. STA. = 77+18.53
S.E TRANSITION
STA 74+43.00 TO STA 75+68.00
STA 76+91.00 TO STA 78+16.00

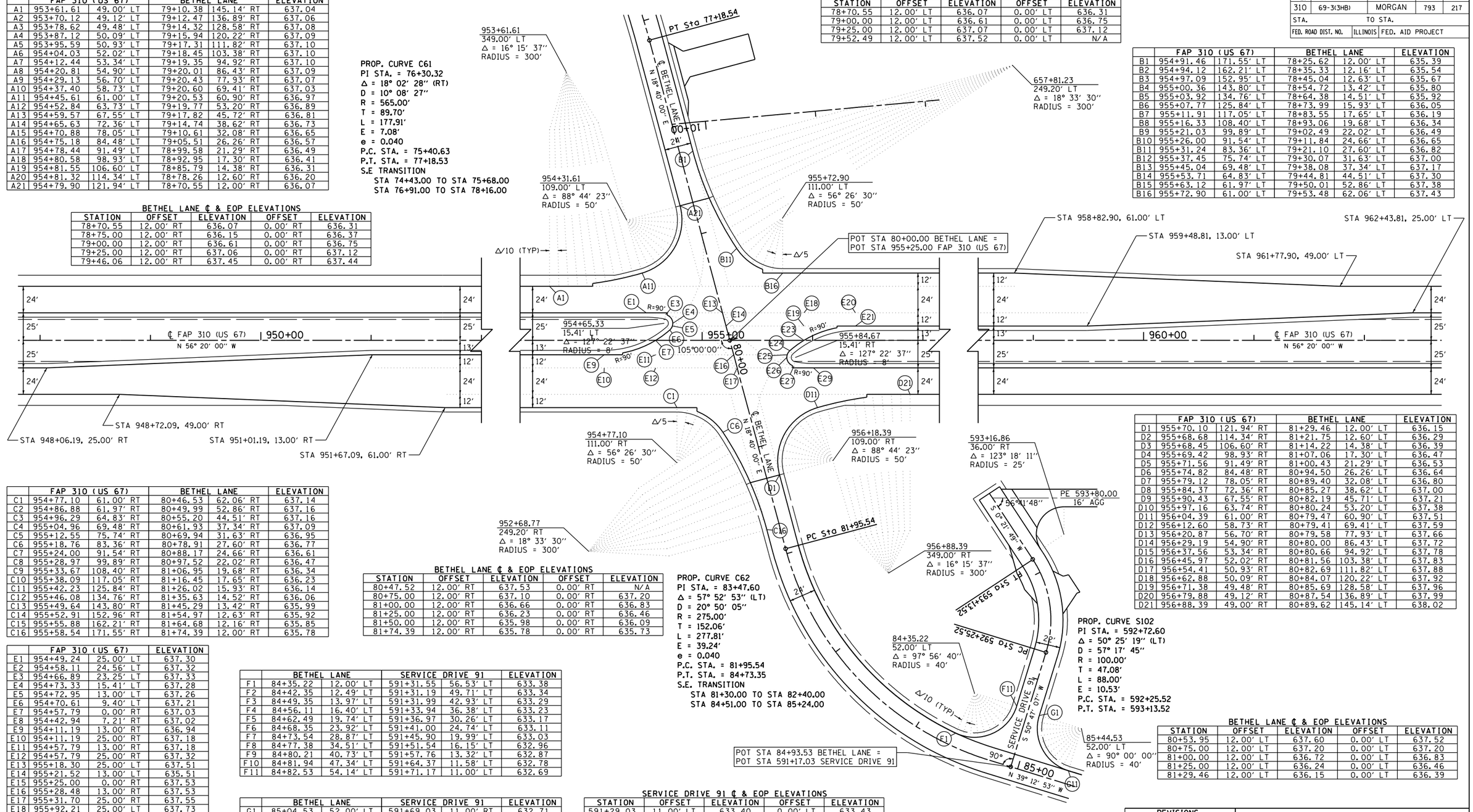
BETHEL LANE ℄ & EOP ELEVATIONS

STATION	OFFSET	ELEVATION	OFFSET	ELEVATION
78+70.55	12.00' RT	636.07	0.00' RT	636.31
78+75.00	12.00' RT	636.15	0.00' RT	636.37
79+00.00	12.00' RT	636.61	0.00' RT	636.75
79+25.00	12.00' RT	637.06	0.00' RT	637.12
79+46.06	12.00' RT	637.45	0.00' RT	637.44

BETHEL LANE ℄ & EOP ELEVATIONS

STATION	OFFSET	ELEVATION	OFFSET	ELEVATION
78+70.55	12.00' LT	636.07	0.00' LT	636.31
79+00.00	12.00' LT	636.61	0.00' LT	636.75
79+25.00	12.00' LT	637.07	0.00' LT	637.12
79+52.49	12.00' LT	637.52	0.00' LT	N/A

	FAP 310 (US 67)		BETHEL LANE		ELEVATION
B1	954+91.46	171.55' LT	78+25.62	12.00' LT	635.39
B2	954+94.12	162.21' LT	78+35.33	12.16' LT	635.54
B3	954+97.09	152.95' LT	78+45.04	12.63' LT	635.67
B4	955+00.36	143.80' LT	78+54.72	13.42' LT	635.80
B5	955+03.92	134.76' LT	78+64.38	14.51' LT	635.92
B6	955+07.77	125.84' LT	78+73.99	15.93' LT	636.05
B7	955+11.91	117.05' LT	78+83.55	17.65' LT	636.19
B8	955+16.33	108.40' LT	78+93.06	19.68' LT	636.34
B9	955+21.03	99.89' LT	79+02.49	22.02' LT	636.49
B10	955+26.00	91.54' LT	79+11.84	24.66' LT	636.65
B11	955+31.24	83.36' LT	79+21.10	27.60' LT	636.82
B12	955+37.45	75.74' LT	79+30.07	31.63' LT	637.00
B13	955+45.04	69.48' LT	79+38.08	37.34' LT	637.17
B14	955+53.71	64.83' LT	79+44.81	44.51' LT	637.30
B15	955+63.12	61.97' LT	79+50.01	52.86' LT	637.38
B16	955+72.90	61.00' LT	79+53.48	62.06' LT	637.43



	FAP 310 (US 67)		BETHEL LANE		ELEVATION
D1	955+70.10	121.94' RT	81+29.46	12.00' LT	636.15
D2	955+68.68	114.34' RT	81+21.75	12.60' LT	636.29
D3	955+68.45	106.60' RT	81+14.22	14.38' LT	636.39
D4	955+69.42	98.93' RT	81+07.06	17.30' LT	636.47
D5	955+71.56	91.49' RT	81+00.43	21.29' LT	636.53
D6	955+74.82	84.48' RT	80+94.50	26.26' LT	636.64
D7	955+79.12	78.05' RT	80+89.40	32.08' LT	636.80
D8	955+84.37	72.36' RT	80+85.27	38.62' LT	637.00
D9	955+90.43	67.55' RT	80+82.19	45.71' LT	637.21
D10	955+97.16	63.74' RT	80+80.24	53.20' LT	637.38
D11	956+04.39	61.00' RT	80+79.47	60.90' LT	637.51
D12	956+12.60	58.73' RT	80+79.41	69.41' LT	637.59
D13	956+20.87	56.70' RT	80+79.58	77.93' LT	637.66
D14	956+29.19	54.90' RT	80+80.00	86.43' LT	637.72
D15	956+37.56	53.34' RT	80+80.66	94.92' LT	637.78
D16	956+45.97	52.02' RT	80+81.56	103.38' LT	637.83
D17	956+54.41	50.93' RT	80+82.69	111.82' LT	637.88
D18	956+62.88	50.09' RT	80+84.07	120.22' LT	637.92
D19	956+71.38	49.48' RT	80+85.69	128.58' LT	637.96
D20	956+79.88	49.12' RT	80+87.54	136.89' LT	637.99
D21	956+88.39	49.00' RT	80+89.62	145.14' LT	638.02

	FAP 310 (US 67)		BETHEL LANE		ELEVATION
C1	954+77.10	61.00' RT	80+46.53	62.06' RT	637.14
C2	954+86.88	61.97' RT	80+49.99	52.86' RT	637.16
C3	954+96.29	64.83' RT	80+55.20	44.51' RT	637.16
C4	955+04.96	69.48' RT	80+61.93	37.34' RT	637.09
C5	955+12.55	75.74' RT	80+69.94	31.63' RT	636.95
C6	955+18.76	83.36' RT	80+78.91	27.60' RT	636.77
C7	955+24.00	91.54' RT	80+88.17	24.66' RT	636.61
C8	955+28.97	99.89' RT	80+97.52	22.02' RT	636.47
C9	955+33.67	108.40' RT	81+06.95	19.68' RT	636.34
C10	955+38.09	117.05' RT	81+16.45	17.65' RT	636.23
C11	955+42.23	125.84' RT	81+26.02	15.93' RT	636.14
C12	955+46.08	134.76' RT	81+35.63	14.52' RT	636.06
C13	955+49.64	143.80' RT	81+45.29	13.42' RT	635.99
C14	955+52.91	152.96' RT	81+54.97	12.63' RT	635.92
C15	955+55.88	162.21' RT	81+64.68	12.16' RT	635.85
C16	955+58.54	171.55' RT	81+74.39	12.00' RT	635.78

BETHEL LANE ℄ & EOP ELEVATIONS

STATION	OFFSET	ELEVATION	OFFSET	ELEVATION
80+47.52	12.00' RT	637.53	0.00' RT	N/A
80+75.00	12.00' RT	637.10	0.00' RT	637.20
81+00.00	12.00' RT	636.66	0.00' RT	636.83
81+25.00	12.00' RT	636.23	0.00' RT	636.46
81+50.00	12.00' RT	635.98	0.00' RT	636.09
81+74.39	12.00' RT	635.78	0.00' RT	635.73

PROP. CURVE C62
PI STA. = 83+47.60
Δ = 57° 52' 53" (LT)
D = 20° 50' 05"
R = 275.00'
T = 152.06'
L = 277.81'
E = 39.24'
e = 0.040
P.C. STA. = 81+95.54
P.T. STA. = 84+73.35
S.E. TRANSITION
STA 81+30.00 TO STA 82+40.00
STA 84+51.00 TO STA 85+24.00

PROP. CURVE S102
PI STA. = 592+72.60
Δ = 50° 25' 19" (LT)
D = 57° 17' 45"
R = 100.00'
T = 47.08'
L = 88.00'
E = 10.53'
P.C. STA. = 592+25.52
P.T. STA. = 593+13.52

BETHEL LANE ℄ & EOP ELEVATIONS

STATION	OFFSET	ELEVATION	OFFSET	ELEVATION
80+53.95	12.00' LT	637.60	0.00' LT	637.52
80+75.00	12.00' LT	637.20	0.00' LT	637.20
81+00.00	12.00' LT	636.72	0.00' LT	636.83
81+25.00	12.00' LT	636.24	0.00' LT	636.46
81+29.46	12.00' LT	636.15	0.00' LT	636.39

	FAP 310 (US 67)		ELEVATION
E1	954+49.24	25.00' LT	637.30
E2	954+58.11	24.56' LT	637.32
E3	954+66.89	23.25' LT	637.33
E4	954+73.33	15.41' LT	637.28
E5	954+72.95	13.00' LT	637.26
E6	954+70.61	9.40' LT	637.21
E7	954+57.79	0.00' RT	637.03
E8	954+42.94	7.21' RT	637.02
E9	954+11.19	13.00' RT	636.94
E10	954+11.19	25.00' RT	637.18
E11	954+57.79	13.00' RT	637.18
E12	954+57.79	25.00' RT	637.32
E13	955+18.30	25.00' LT	637.51
E14	955+21.52	13.00' LT	635.51
E15	955+25.00	0.00' RT	637.53
E16	955+28.48	13.00' RT	637.53
E17	955+31.70	25.00' RT	637.55
E18	955+92.21	25.00' LT	637.73
E19	955+92.21	13.00' LT	637.59
E20	956+38.81	25.00' LT	637.87
E21	956+38.81	13.00' LT	637.63
E22	956+07.06	7.21' LT	637.52
E23	955+92.21	0.00' RT	637.43
E24	955+79.39	9.40' RT	637.54
E25	955+77.05	13.00' RT	637.57
E26	955+76.67	15.41' RT	637.59
E27	955+83.11	23.25' RT	637.68
E28	955+91.89	24.56' RT	637.72
E29	956+00.76	25.00' RT	637.75

	BETHEL LANE		SERVICE DRIVE 91		ELEVATION
F1	84+35.22	12.00' LT	591+31.55	56.53' LT	633.38
F2	84+42.35	12.49' LT	591+31.19	49.71' LT	633.34
F3	84+49.35	13.97' LT	591+31.99	42.93' LT	633.29
F4	84+56.11	16.40' LT	591+33.94	36.38' LT	633.23
F5	84+62.49	19.74' LT	591+36.97	30.26' LT	633.17
F6	84+68.35	23.92' LT	591+41.00	24.74' LT	633.11
F7	84+73.54	28.87' LT	591+45.90	19.99' LT	633.03
F8	84+77.38	34.51' LT	591+51.54	16.15' LT	632.96
F9	84+80.21	40.73' LT	591+57.76	13.32' LT	632.87
F10	84+81.94	47.34' LT	591+64.37	11.58' LT	632.78
F11	84+82.53	54.14' LT	591+71.17	11.00' LT	632.69

	BETHEL LANE		SERVICE DRIVE 91		ELEVATION
G1	85+04.53	52.00' LT	591+69.03	11.00' RT	632.71
G2	85+05.02	45.74' LT	591+62.77	11.49' RT	632.81
G3	85+06.49	39.64' LT	591+56.67	12.96' RT	632.91
G4	85+08.89	33.84' LT	591+50.87	15.36' RT	633.00
G5	85+12.17	28.49' LT	591+45.52	18.64' RT	633.10
G6	85+16.24	23.72' LT	591+40.75	22.72' RT	633.20
G7	85+21.02	19.64' LT	591+36.67	27.49' RT	633.30
G8	85+26.37	16.36' LT	591+33.39	32.84' RT	633.39
G9	85+32.17	13.96' LT	591+30.99	38.64' RT	633.47
G10	85+38.27	12.49' LT	591+29.52	44.74' RT	633.53
G11	85+44.53	12.00' LT	591+29.03	51.00' RT	633.56

SERVICE DRIVE 91 ℄ & EOP ELEVATIONS

STATION	OFFSET	ELEVATION	OFFSET	ELEVATION
591+29.03	11.00' LT	633.40	0.00' LT	633.43
591+50.00	11.00' LT	633.03	0.00' LT	633.16
591+71.17	11.00' LT	632.69	0.00' LT	632.91

SERVICE DRIVE 91 ℄ & EOP ELEVATIONS

STATION	OFFSET	ELEVATION	OFFSET	ELEVATION
591+29.03	11.00' RT	633.45	0.00' RT	633.43
591+50.00	11.00' RT	633.07	0.00' RT	633.16
591+69.03	11.00' RT	632.71	0.00' RT	632.93

50 0 50 100

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRIC DETAILS INTERSECTION OF FAP 310 AND BETHEL LANE FAP 310 (US 67/IL 104) SHEET 12 OF 23

DATE 6/06

DRAWN BY EBB

CHECKED BY

SECTION 69-3(3HB)

MORGAN COUNTY

Mar-30-2011 08:46:08AM

$FILE$