F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	45
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66412

SEE "INTERSECTION DETAILS RAMPS A AND B" FOR ADDITIONAL DESIGN DETAIL

STA. 24+86.60 F.A.P. 623
STA. 149+09.21 RAMP A

STA. 24+94.30 F.A.P. 623
STA. 150+00.00 RAMP B

PORTLAND CEMENT CONCRETE PAVEMENT 9½" (JOINTED)
STABILIZED SUB-BASE 4"
AGGREGATE SUBGRADE 12"

9½" PORTLAND CEMENT CONCRETE SHOULDERS

℄ RAMP A

℄ RAMP B

℄ F.A.P. 623 (SENECA ROAD)
(SEE SHEET #31)

AGGREGATE SHOULDERS TYPE B

PAVEMENT REMOVAL

PROP. CURVE B-1

PC STA. 154+37.48

N 58° 15' 57" E

150+00

155+00

160+00

825+00

820+00

830+00

℄ F.A.I. 80

F.A.I. 80

STA. 821+80.00
(F.A.I. 80)

EXISTING R.O.W.

PROPOSED R.O.W.

℄ FRONTAGE ROAD

PT STA. 322+83.54

10" BITUMINOUS SHOULDER

FUTURE EDGE OF PAVEMENT F.A.I. 80

PC STA. 163+57.34

PROPOSED R.O.W. & A.C. LINE

EXISTING R.O.W.

PROPOSED R.O.W. & A.C. LINE

A.C.

STA. 25+44.56
141.60' RT

STA. 821+01.97
592.28' RT

STA. 26+00.00
125.00' LT

STA. 820+86.24
647.97' RT

Bennie H. and Eleanor A. Helland
107 Acres

STA. 823+86.15
410.54' RT

Water's Edge

STA. 824+35.14
376.63' RT

STA. 824+59.60
363.27' RT

STA. 826+01.88
285.54' RT

PROP. CURVE B-1
PI STA. = 159+08.03
Δ = 29° 45' 23" (RT)
D = 3° 14' 05"
R = 1,771.20'
T = 470.56'
L = 919.86'
E = 61.44'
e = 5.5%
T.R. = N/A
S.E. RUN = 255'
P.C. STA. = 154+37.48
P.T. STA. = 163+57.34

PROPOSED R.O.W. & A.C. LINE

Benny Helland
53 Acres

STA. 827+78.89
213.45' RT

STA. 832+10.49
133.61' RT

STA. 161+72, 33.5' RT
EXISTING COM ED POWERLINE POLE

STA. 832+80.75
132.21' RT

PORTLAND CEMENT CONCRETE PAVEMENT 9½" (JOINTED)
STABILIZED SUB-BASE 4"
AGGREGATE SUBGRADE 12"

STA. 163+00.00
60.00' RT

MATCH LINE STA. 164+00
SEE SHEET NO. 46

STANDARD ENTRANCE RAMP TERMINAL
BASED ON FUTURE E.O.P. F.A.I. 80

PROFILE

PROPOSED PROFILE GRADE

℄ F.A.P. 623 (SENECA ROAD) STA. 24+99.30

STA. 150+26.56 EDGE OF PAVEMENT
ELEV. 630.37

630.37

+60.00 EL. 629.87

-1.50%

-3.67%

VPI STA. 152+60
ELEVATION 626.8

+60.00 EL. 619.53

+60.00 EL. 619.53

K = 134
597.31' V.C.

+57.31 EL. 610.95

EXISTING PROFILE ALONG ℄

FUTURE E.O.P.
F.A.I. - 80

K = 184
400.00' V.C.

RT. 604.92

RT. 605.32

SPECIAL DITCH
RIGHT @0.13%

SPECIAL DITCH
RIGHT @0.30%

-2.67%

+0.80%

VPI STA. 157+58.63
ELEVATION 604.56

+57.31 EL. 610.95

+57.31 EL. 610.95

+0.80%

+0.20%

VPI STA. 162+07.31
ELEVATION 612.15

K = 498
300.00' V.C.

* SEE NOTE (NEXT SHEET)

+57.31 EL. 612.45

MATCH LINE STA. 164+00
SEE SHEET NO. 36

	150+00	151+00	152+00	153+00	154+00	155+00	156+00	157+00	158+00	159+00	160+00	161+00	162+00	163+00	164+00
630	627.26	626.69 / 630.02	625.71 / 629.23	624.87 / 628.30	624.10 / 627.24	623.32 / 626.04	622.76 / 624.71	621.75 / 623.24	620.94 / 621.63	619.80 / 619.89	618.88 / 618.12	617.53 / 616.53	615.14 / 615.12	612.93 / 613.90	610.20 / 612.87	607.03 / 612.03	608.26 / 611.37	609.60 / 610.90	609.84 / 610.62	609.90 / 610.53	609.89 / 610.62	609.97 / 610.90	608.98 / 611.28	608.83 / 611.61	610.76 / 611.89	611.71 / 612.12	612.33 / 612.30	612.73 / 612.44	612.57 / 612.53

612.44 612.44 612.53

PROPOSED RAMP B

11/14/2005
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