CONTRACT #72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-*-	-**-	MASON	26	16
STA. _____	TO STA. _____			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

EXIST. CURVE PSC10
PI STA. = 132+61.11
Δ = 4° 15′ 30″ (LT)
D = 2° 26′ 09″
R = 2,352.24′
T = 87.45′
L = 174.83′
E = 1.63′
P.C. STA. = 131+73.65
P.T. STA. = 133+48.48

PROP. CURVE PSC10
PI STA. = 132+61.05
Δ = 4° 15′ 30″ (LT)
D = 2° 26′ 09″
R = 2,352.24′
T = 87.45′
L = 174.83′
E = 1.63′
P.C. STA. = 131+73.60
P.T. STA. = 133+48.43
SE = 4.60%
SE TRANS:
LT STA 131+35.389 TO STA 132+28.650 (-2.0% - -4.6%)
RT STA 129+91.911 TO STA 132+28.650 (-2.0 - +4.6%)
LT STA 132+93.480 TO STA 133+89.020 (-4.6% - 0.0%)
RT STA 132+93.480 TO STA 133+89.020 (+4.6% - 0.0%)

EXIST. CURVE PSC11
PI STA. = 135+35.96
Δ = 6° 34′ 14″ (RT)
D = 4° 08′ 32″
R = 1,383.17′
T = 79.40′
L = 158.62′
E = 2.28′
P.C. STA. = 134+56.56
P.T. STA. = 136+15.18

PROP. CURVE PSC11
PI STA. = 135+35.91
Δ = 6° 34′ 14″ (RT)
D = 4° 08′ 32″
R = 1,383.17′
T = 79.40′
L = 158.62′
E = 2.28′
P.C. STA. = 134+56.51
P.T. STA. = 136+15.13
SE = 5.90%
SE TRANS:
LT STA 133+89.020 TO STA 135+11.560 (0.0% - +5.9%)
RT STA 133+89.020 TO STA 135+11.560 (0.0 - -5.9%)
LT STA 135+11.560 TO STA 138+27.016 (+5.9% - 0.0%)
RT STA 135+11.560 TO STA 138+27.016 (-5.9% - 0.0%)

EXIST. CURVE PSC12
PI STA. = 140+47.57
Δ = 3° 44′ 40″ (LT)
D = 1° 23′ 06″
R = 4,136.74′
T = 135.22′
L = 270.34′
E = 2.21′
P.C. STA. = 139+12.35
P.T. STA. = 141+82.69

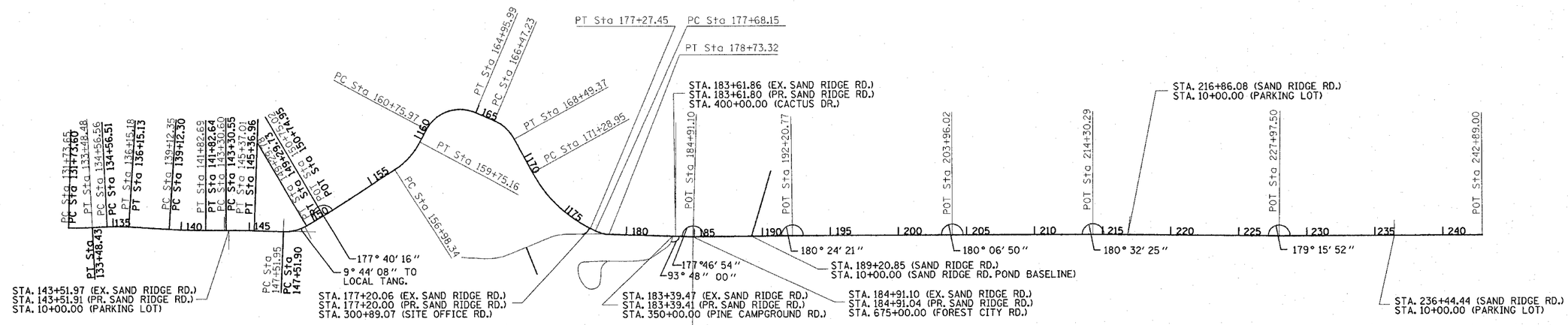
PROP. CURVE PSC12
PI STA. = 140+47.52
Δ = 3° 44′ 40″ (LT)
D = 1° 23′ 06″
R = 4,136.74′
T = 135.22′
L = 270.34′
E = 2.21′
P.C. STA. = 139+12.30
P.T. STA. = 141+82.64
SE = 3.10%
SE TRANS:
LT STA 138+27.063 TO STA 139+67.290 (0.0% - -3.1%)
RT STA 138+27.063 TO STA 139+67.290 (0.0 - +3.1%)
LT STA 141+27.630 TO STA 142+75.689 (-3.1% - 0.0%)
RT STA 141+27.630 TO STA 142+75.689 (+3.1% - 0.0%)

EXIST. CURVE PSC13
PI STA. = 144+33.82
Δ = 2° 01′ 14″ (RT)
D = 0° 58′ 44″
R = 5,853.14′
T = 103.21′
L = 206.41′
E = 0.91′
P.C. STA. = 143+30.60
P.T. STA. = 145+37.01

PROP. CURVE PSC13
PI STA. = 144+33.77
Δ = 2° 01′ 14″ (RT)
D = 0° 58′ 44″
R = 5,853.14′
T = 103.21′
L = 206.41′
E = 0.91′
P.C. STA. = 143+30.55
P.T. STA. = 145+36.96
SE = 2.30%
SE TRANS:
LT STA 142+75.689 TO STA 143+85.540 (0.0% - 2.3%)
RT STA 142+75.689 TO STA 143+85.540 (0.0 - -2.3%)
LT STA 144+90.428 TO STA 145+78.139 (+2.3% - 0.0%)
RT STA 144+90.428 TO STA 145+78.139 (-2.3% - 0.0%)

EXIST. CURVE PSC14
PI STA. = 148+43.33
Δ = 32° 29′ 36″ (LT)
D = 18° 16′ 18″
R = 313.58′
T = 91.38′
L = 177.83′
E = 13.04′
P.C. STA. = 147+51.95
P.T. STA. = 149+29.78

PROP. CURVE PSC14
PI STA. = 148+43.28
Δ = 32° 29′ 36″ (LT)
D = 18° 16′ 18″
R = 313.58′
T = 91.38′
L = 177.83′
E = 13.04′
P.C. STA. = 147+51.90
P.T. STA. = 149+29.73
SE = 6.00%
SE TRANS:
LT STA 145+78.139 TO STA 148+06.950 (0.0% - -6.0%)
RT STA 145+78.139 TO STA 148+06.950 (0.0 - +6.0%)
LT STA 148+74.780 TO STA 149+84.780 (-6.0% - -2.0%)
RT STA 148+74.780 TO STA 150+94.780 (+6.0% - -2.0%)



EXIST. CURVE PSC15
PI STA. = 158+39.80
Δ = 29° 06′ 09″ (LT)
D = 10° 30′ 47″
R = 545.00′
T = 141.47′
L = 276.83′
E = 18.06′
P.C. STA. = 156+98.34
P.T. STA. = 159+75.16

EXIST. CURVE PSC16
PI STA. = 163+35.98
Δ = 85° 23′ 22″ (RT)
D = 20° 19′ 48″
R = 281.83′
T = 260.02′
L = 420.02′
E = 101.62′
P.C. STA. = 160+75.97
P.T. STA. = 164+95.99

EXIST. CURVE PSC17
PI STA. = 167+52.13
Δ = 37° 49′ 13″ (RT)
D = 18° 42′ 36″
R = 306.23′
T = 104.91′
L = 202.14′
E = 17.47′
P.C. STA. = 166+47.23
P.T. STA. = 168+49.37

EXIST. CURVE PSC18
PI STA. = 174+37.51
Δ = 34° 21′ 50″ (LT)
D = 5° 44′ 30″
R = 997.90′
T = 308.56′
L = 598.50′
E = 46.61′
P.C. STA. = 171+28.95
P.T. STA. = 177+27.45

EXIST. CURVE PSC19
PI STA. = 178+21.61
Δ = 25° 16′ 10″ (LT)
D = 24° 01′ 41″
R = 238.45′
T = 53.45′
L = 105.17′
E = 5.92′
P.C. STA. = 177+68.15
P.T. STA. = 178+73.32

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT LAYOUT SAND RIDGE ROAD

SCALE: VERT. N/A
HORIZ. 1″ = 400′
DATE OCT 2003

DRAWN BY RLR
CHECKED BY JCN

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