

CURVE DATA

Curve 1

PI Sta. 70+05.86
 Δ 34°-02'-04"
 D 5°-42'-52"
 R 1002.67'
 T 306.88'
 L 595.60'
 E 45.91'
 PC Sta. 66+98.98
 PT Sta. 72+94.58
Superelevation Existing: Varies 6% - 8%
 Proposed: SAME
Transitions: Length 142.0'
 Sta. 65+70.98 to Sta. 67+62.98 (Transition from 6% to 8%)
 Sta. 72+59.08 to Sta. 74+01.08

Curve 2

PI Sta. 87+82.50
 Δ 6°-07'
 D 0°-42'
 R 8185.21'
 T 437.29'
 L 873.81'
 E 11.71'
 PC Sta. 83+45.21
 PT Sta. 92+19.02
Superelevation Existing: 1.25%
 Proposed: Normal Crown

CURVE DATA

Curve 5

PI Sta. 224+01.72
 Δ 14°-47'-47"
 D 2°-30'-00"
 R 2291.83'
 T 297.58'
 L 591.86'
 E 19.24'
 PC Sta. 221+04.14
 PT Sta. 226+96
Superelevation Existing: 4.75%
 Proposed: 5.0 %
Transitions: Length 150.0'
 Sta. 220+04.14 to Sta. 221+54.14
 Sta. 226+46 to Sta. 227+96

Curve 6

PI Sta. 233+02.68
 Δ 5°-17'-37"
 D 1°-30'-00"
 R 3819.72'
 T 176.58'
 L 352.91'
 E 4.08'
 PC Sta. 231+26.10
 PT Sta. 234+79.01
Superelevation Existing: 3.0%
 Proposed: 3.0%
Transitions: Length 150.0'
 Sta. 230+26.10 to Sta. 231+76.10
 Sta. 234+29.01 to Sta. 235+79.01

Curve 9

PI Sta. 253+10.14
 Δ 28°-05'-55"
 D 7°-30'-00"
 R 763.94'
 T 191.17'
 L 374.65'
 E 23.56'
 PC Sta. 251+18.97
 PT Sta. 254+93.62
Superelevation Existing: 8.0%
 Proposed: 8.0%
Transitions: Length 192'
 Sta. 249+90.97 to Sta. 251+82.97
 Sta. 254+29.62 to Sta. 256+21.62

Curve 3

PI Sta. 114+32
 Δ 23°-54'
 D 2°-00'
 R 2864.83'
 T 606.31'
 L 1195.00'
 E 63.46'
 PC Sta. 108+25.69
 PT Sta. 120+20.69
Superelevation Existing: 1.6%
 Proposed: 4.0%
Transition: Length 121.0'
 Sta. 107+34.94 to Sta. 108+55.94
 Sta. 119+90.44 to Sta. 121+11.44

Curve 4

PI Sta. 157+49.42
 Δ 58°-27'
 D 3°-18'
 R 1736.26'
 T 971.35'
 L 1770.90'
 E 253.01'
 PC Sta. 147+78.07
 PT Sta. 165+48.97
Superelevation Existing: 4.24%
 Proposed: 5.0%
Transitions: Length 196.56'
 Sta. 146+47.03 to 148+43.59
 Sta. 164+83.45 to 166+80.01

Curve 7

PI Sta. 240+16.73
 Δ 35°-00'
 D 7°-30'
 R 763.94'
 T 240.87'
 L 466.67'
 E 37.07'
 PC Sta. 237+75.56
 PT Sta. 242+42.23
Superelevation Existing: 8.0%
 Proposed: 8.0%
Transitions: Length 209.0'
 Sta. 236+18.81 to Sta. 238+27.81
 Sta. 241+89.98 to Sta. 243+98.98

Curve 8

PI Sta. 246+83.38
 Δ 13°-04'-48"
 D 4°-00'-00"
 R 1432.40'
 T 164.21'
 L 327.00'
 E 9.38'
 PC Sta. 245+19.17
 PT Sta. 248+46.17
Superelevation Existing: 6.25%
 Proposed: 6.5%
Transitions: Length 176.0'
 Sta. 243+87.17 to Sta. 245+63.17
 Sta. 248+02.17 to Sta. 249+78.17

Prepared by: Vermilion County Highway Dept. 2732 Batestown Road Oakwood, Illinois 61858	DENMARK RD. (C.H. 20) 2009 RESURFACING SECTION 07-00160-00-RS	SHEET 13
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