DATE : 05/13/92 HPMS SAMPLE SECTIONS
HIGHWAY INFORMATION SERVICES DIVISION

Montgomery

	CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
1	15	CO 0033	00.00	00.12	00.12	E10B	745-482
2	15	CO 0033	00.12	00.04	00.16		
3	15	CO 0033	00.16	00.07	00.23		
4	15	CO 0033	00.23	00.06	00.29		
5	15	CO 0033	00.29	00.07	00.36		
6	15	CO 0033	00.36	00.05	00.41		
7	15	CO 0081	00.83	00.26	01.09	E10C	735-461
8	15	CO 0081	01.09	00.56	01.65		
9	15	CO 0098	00.84	00.35	01.19	E11C	802-452
10	15	CO 0099	00.21	02.13	02.34	E11C	799-452
11	15	CO 0141	00.50	00.49	00.99	E10A	727-489
12	15	CO 0141	00.99	00.36	01.35		
13	15	CO 0141	01.35	00.12	01.47		
14	15	CO 0141	01.47	00.08	01.55		
15	15	CO 0141	01.55	00.21	01.76		
16	15	CO 0141	01.76	00.21	01.97		
17	15	CO 0141	01.97	00.05	02.02		
18	15	CO 0141	02.02	00.21	02.23		
19	15	CO 0141	02.23	00.05	02.28		
20	15	CO 0144	01.39	00.14	01.53	E10D	749-445
21	15	CO 0144	01.55	00.24	01.79		
22	15	CO 0144	01.79	00.05	01.84		
23	15	CO 0144	01.84	00.34	02.18		
24	15	CO 0144	02.41	00.40	02.81		
25	15	CO 0144	03.05	00.33	03.38		

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HIGHWAY INFORMATION SERVICES DIVISION

	CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
26	15	CO 0166	00.00	00.09	00.09	F10B	764-434
27	15	CO 0166	00.09	00.63	00.72		
28	15	CO 0194	00.01	00.23	00.24	E10	736-451
29	15	CO 0195	01.16	00.33	01.49	E-10	745-442
30	15	CO 0237	00.00	01.37	01.37	19	682-509
31	15	CO 0259	03.71	00.02	03.73	25,24,20 E-9 D-10 E10	702-473
32	15	CO 0259	03.73	00.10	03.83		
33	15	CO 0259	03.83	00.71	04.54		
34	15	CO 0350	00.17	00.27	00.44	30 F-10	770-422
35	15	CO 0362	00.65	00.34	00.99	30B F10	772-420
36	15	CO 0533	00.00	00.17	00.17	31 F-11	782-432
37	15	CO 1222	00.19	00.10	00.29	31 F-11	781-418
38	15	CO 1659	00.00	00.13	00.13	26,27C E-10	767-444
39	15	CO 1659	00.13	00.40	00.53		
40	15	CO 1799	00.00	00.47	00.47	26,27 E10,E11	775-446
41	15	CO 1919	00.00	00.15	00.15	31 F-11	776-438
42	15	CO 1936	00.16	00.04	00.20	E10 B+D	759-478
43	15	CO 1936	00.20	00.23	00.43		
44	15	CO 1936	00.43	00.09	00.52		
45	15	CO 1936	00.52	00.86	01.38		

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	CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
46	15	CO 3428	00.00	00.61	00.61	30 F10	750-420
47	15	CO 3727	00.55	00.10	00.65	26A+B E10	738-479
48	15	CO 3727	00.65	00.11	00.76		
49	15	CO 3727	00.76	00.43	01.19		
50	15	CO 4132	00.31	00.04	00.35	26D E10	765-443
51	15	CO 4132	00.35	00.23	00.58		
52	15	CO 4132	00.58	00.05	00.63		
53	15	CO 4226	00.00	00.36	00.36	E10D	742-462
54	15	CO 4226	00.36	00.05	00.41		
55	15	CO 4226	03.57	00.48	04.05		
56	15	CO 4226	07.15	00.20	07.35		
57	15	CO 4226	07.47	00.17	07.64		
58	15	CO 4226	07.64	00.15	07.79		
59	15	CO 4226	07.79	00.18	07.97		
60	15	CO 4241	00.36	00.26	00.62	26 E10	745-477
61	15	CO 4242	00.00	00.46	00.46	E10D	766-441
62	15	CO 4242	00.46	00.49	00.95		
63	15	CO 4242	00.95	00.20	01.15		
64	15	CO 4349	00.00	00.19	00.19	E11C	782-448
65	15	CO 4460	00.08	00.14	00.22	31A F11	782-429
66	15	CO 4552	02.42	00.15	02.57	E11C	806-443
67	15	CO 4552	02.57	00.25	02.82		
68	15	CO 4690	00.00	00.11	00.11	30A F10	778-403

look for new improvement 64 needs in the map

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HIGHWAY INFORMATION SERVICES DIVISION

	CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
	15	CO 4690	03.20	01.11	04.31	30A F10	778-403
69	15	CO 4690	04.89	00.24	05.13		
70	15	CO 5152	01.20	00.10	01.30	E10B	787-474
~~71~~	~~15~~	~~CO 5665~~	~~00.31~~	~~00.61~~	~~00.92~~	F11A	792-423
72	15	GV 0006	01.67	00.39	02.06	F10B-D	741-417
73	15	GV 0006	02.06	00.93	02.99		
74	15	GV 0006	02.99	00.36	03.35	1.70	2
75	15	GV 0006	03.35	00.02	03.37		
76	15	GV 0006	03.52	00.04	03.56	.36 15 81	
77	15	GV 0006	03.56	00.32	03.88		
78	15	GV 0006	04.21	00.08	04.29		
79	15	GV 0006	04.29	00.15	04.44		
80	15	GV 0006	04.44	00.05	04.49		
81	15	GV 0006	04.49	01.02	05.51		
82	15	GV 0006	05.51	00.18	05.69		
83	15	GV 0006	05.69	00.36	06.05		
84	15	GV 0006	06.05	00.12	06.17		
85	15	GV 0006	06.17	00.22	06.39		
86	15	GV 0007	02.09	00.90	02.99	31 F11	799-419
~~87~~	~~15~~	~~GV 0028~~	~~00.68~~	~~00.14~~	~~00.82~~	30+31 F10, F11	775-410
88	15	GV 0028	04.71	00.27	04.98		
89	15	GV 0033	00.11	00.12	00.23	30 F10	770-416

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HIGHWAY INFORMATION SERVICES DIVISION

	CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
		CHEVCHASE TV					
~~90~~	~~15~~	~~MU 0070 030~~	~~00.00~~	~~00.53~~	~~00.53~~		
		GAITHERSBURG					
~~91~~	~~15~~	~~MU 0135 063~~	~~00.85~~	~~00.18~~	~~01.03~~		
		ROCKVILLE					
92	15	MU 0170 130	00.00	00.44	00.44		
93	15	MU 0170 130	00.44	00.14	00.58		
94	15	MU 0242 130	01.60	00.11	01.71		
95	15	MU 0970 130	00.00	00.11	00.11		
96	15	MU 1295 130	02.89	00.61	03.50		
97	15	MU 1295 130	03.50	00.05	03.55		
98	15	MU 2592 130	00.05	00.05	00.10		
99	15	MU 2592 130	00.10	00.23	00.33		
100	15	MU 2592 130	00.33	00.24	00.57		
~~101~~	~~15~~	~~MU 2605 130~~	~~00.54~~	~~00.07~~	~~00.61~~		
~~102~~	~~15~~	~~MU 2605 130~~	~~00.61~~	~~00.03~~	~~00.64~~		
103	15	MU 2970 130	02.07	00.13	02.20		

740-455
→ Ride & find out
(see inventory)

Ritchey Pkwy

√ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 00033
Sample No: 1
County: 15 (mry)

Starting Mile Pt: 0.00
Ending Mile Pt: 0.12
(0.12)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	634	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	634	-2.5%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

15

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0033
Sample No: 1
County: 15 Montgomery

Starting Mile Pt: 0.12
Ending Mile Pt: 0.16

.04

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	211	100	0	

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	211	-2.5%	

? why this mile pt value changed ?

? ? ? ?

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0033
Sample No: 2
County: 15 (mcy)

Starting Mile Pt: 0.16
Ending Mile Pt: 0.27
(0.13)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	689	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	689	-2.5%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

J 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0233
Sample No: 3
County: 15 (mry)

Starting Mile Pt: 0.16
Ending Mile Pt: 0.23
(0.07)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	371	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	371	-2.5%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

J 1/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0033
Sample No: 4
County: 15 (Mcy)

Starting Mile Pt: 0.23
Ending Mile Pt: 0.29
(0.06)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	319	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	319	-2.5%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

√ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0033
Sample No: 5
County: 15 (Mry)

Starting Mile Pt: 0.29
Ending Mile Pt: 0.36
(0.07)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	368	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	373	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0033
Sample No: 6
County: 15 (Mry)

Starting Mile Pt: 0.36
Ending Mile Pt: 0.41
(0.05)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	264	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	264	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0071
Sample No: 7
County: 15 (mry)

Starting Mile Pt: 0.83
Ending Mile Pt: 1.09
(0.26)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1373	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	560	0%	
560	1144	+5.2%	
1144	1373	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

√ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0081
Sample No: 8
County: 15 (Hwy)

Starting Mile Pt: 1.09
Ending Mile Pt: 1.65
(0.56)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	125	100	0	
L 125	593	99.8	2.0	
593	2955	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1109	0%	
1109	2668	−5.5%	→ 4.5
2668	2955	+5.3%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO: 0078
Sample No: ~~0054~~ 9
County: 15 (Mry)

Starting Mile Pt: 0.84
Ending Mile Pt: 1.19
~~(0.34)~~
(.35)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1792	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1374	-0.9%	
1374	1792	7 6.3%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0099
Sample No: 10
County: 15 (Mry)

Starting Mile Pt: 0.21
Ending Mile Pt: 2.34
~~L 2.13~~
(2.13)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	.21 - .29	100	0	
L	439	.29 - .37	99.9	1.2	
R	850	.37 - .44	99.9	1.0	
	1237	.44 - .52			
L	1673	.52 - .56	99.9	1.1	
R	1898	.56 - .72	99.9	1.0	
	2727	.72 - .96			
L	4002	.96 - 1.02	99.9	1.0	
R	4301	1.02 - 1.26			
L	5571	1.26 - 1.39	99.8	2.0	
R	6273	1.39 - 1.42	99.9	1.0	
	6453	1.42 - 1.57	100	0	
L	7253	1.57 - 1.63	99.8	2.4	
	7588	1.63 - 1.74	100	0	
R	8178	1.74 - 1.88	99.9	1.0	
	8938	1.88 - 2.31	100	0	

Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a. 0.0-0.4		
b. 0.5-1.4		
c. 1.5-2.4		
d. 2.5-3.4		
e. 3.5-4.4		
f. 4.5-5.4		
g. 5.5-6.9		
h. 7.0-8.4		
i. 8.5-10.9		
j. 11.0-13.9		
k. 14.0-19.4		
l. 19.5-27.9		
m. 28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	.21 - .24	0%	
149	.24 - .37	+3.0%	
850	.37 - .44	0%	
1237	.44 - .56	-6.5%	
1893	.56 - .78 .09	+1.4%	
3069	.78 - .86 .08	-2.0%	
3497	.86 - .96 .10	0%	
4002	.96 - 1.15 .19	+2%	
5030	1.15 - 1.39 .24	-1.2%	
6373	1.39 - 1.64 .25	-8.2%	
~~8172~~ 7582	1.64 - 1.75 .11	0%	
8172	1.75 - 2.14 .39	+5.2%	
~~8937~~	2.14 - 2.29 .04		
10250		-2%	
11032	11246	0%	
(2.29)	(2.33)		

1.75
.39
2.14

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

J 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0141
Sample No: 11
County: 15 (mrg)

Starting Mile Pt: 0.50
Ending Mile Pt: 0.99
(0.49)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	840	100	0	
R 840	1354	99.8	2.1	
L 1354	2587	99.7	3.0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	479	0%	
479	1123	+6.2%	
1123	1354	0%	
1354	2587	-5.7%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0141
Sample No: 12
County: 15 (mry)

Starting Mile Pt: 0.99
Ending Mile Pt: 1.35
(0.36)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1205	100	0	
1205	1857	97.8	2.0	
1857	1921	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1205	+6.5%	
1205	[redacted]	-2.5%	
[redacted]	1901		

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: 0141
Sample No: 13
County: 15 (mry)

Starting Mile Pt: 1.35
Ending Mile Pt: 1.47
(0.12)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	635	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	635	-3.6%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

✓ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO D141
Sample No: 14
County: 15 (mry)

Starting Mile Pt: 1.47
Ending Mile Pt: 1.55
(0.08)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	74	100	0	
74	424	99.5	4.0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	424	5.4%	
~~424~~			

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: 60 0141
Sample No: 15
County: 15 (mry)

Starting Mile Pt: 1.55
Ending Mile Pt: 1.76
(0.21)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	606	99.5	4.0	
606	937	100	0	
937	1109	99.5	3.7	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	376	-5.4%	
376	606	0%	
606	937	+5.7%	
~~1109~~		~~-0%~~	
937	1109	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

√ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0146
Sample No: 16
County: 15 (MXY)

Starting Mile Pt: 1.76
Ending Mile Pt: 1.97
(0.21)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	524	99.8	2.0	
524	1109	100	3	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	524	+6.0%	
524	1109	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

√1110

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0141
Sample No: 17
County: 15 (mry.)

Starting Mile Pt: 1.97
Ending Mile Pt: 2.02
(0.05)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	264	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	~~15~~264	+6.0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

✓ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0141
Sample No: 18
County: 15 (Mry)

Starting Mile Pt: 2.02
Ending Mile Pt: 2.23
(0.21)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	690	100	0	
690	1110	99.8	2.1	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	121	+6.0%	
121	1110	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

Intro

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0141
Sample No: 19
County: 15 (mry)

Starting Mile Pt: 2.23
Ending Mile Pt: 2.28
(0.05)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	264	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	264	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 2164
Sample No: 20
County: 15

Starting Mile Pt: 1.39
Ending Mile Pt: 1.53
(0.14)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	739	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	246	0%	
246	739	-7.3%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

.187

Route No: CO 0144
Sample No: 21
County: 15

Starting Mile Pt: 1.55
Ending Mile Pt: 1.79

(0.24)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	1267	100	0	
①	0	684	100	0	
②	0	581	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
	0	673	-7.3%	
	673	1267	0%	
(1)	0	684	7.3%	
(2)	0	581	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: TD 0144
Sample No: 22
County: 15

Starting Mile Pt: 1.79
Ending Mile Pt: 1.84
0.05

Horzontal Curve Section

528 26

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	264	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	264	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0144
Sample No: 23
County: 15

Starting Mile Pt: 1.84
Ending Mile Pt: 2.18
(0.34)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	493	100	0	
493	721	99.9	1.2	
721	1795	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0			
1795	1795	→ 0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0144
Sample No: 24
County: 15

Starting Mile Pt: 2.41
Ending Mile Pt: 2.81
(0.40) 0.149

Horzontal Curve Section

-.10
+.25

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	2112	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	526	-5%	
526	1279	+7.1%	
1279	2112	-3.2%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0144
Sample No: 25
County: 15

Starting Mile Pt: 3.05
Ending Mile Pt: 3.38
(0.33)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile) + 0.1 0%
0	1743	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	542	+4.8%	
542	1742	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

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CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0106
Sample No: 26
County: 15 (mry)

Starting Mile Pt: 0.00
Ending Mile Pt: 0.09
(0.09)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	4477	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	477	+2.4%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: 60 0160
Sample No: 27
County: 15 (Mry)

Starting Mile Pt: 0.09
Ending Mile Pt: 0.72
(0.63)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1611	100	0	
1611	1856	99.9	1.1	
1856	3326	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	285	+2.4%	
285	1735	-2.7%	
1735	2055	0%	
2055	2870	+2.7%	
2870	5326	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

15

Sgw 1/21/93

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: Co 0166
Sample No: 27
County: (15) Montgomery

Starting Mile Pt: 0.09
Ending Mile Pt: 0.55

.46

2429

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1611	100	0	
1611	1856	99.9	1.1	
1856	2429	100	0	

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	285	+ 2.4	
285	1735	− 2.7	
1735	2055	0	
2055	2429	2.7	

15

Sjoa 1/21/93

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: Co Ø166

Sample No: 27

County: (15) Montgomery

Starting Mile Pt: 0.55

Ending Mile Pt: 0.72

0.17

898

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	898	100	0	

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	441	+ 2.7 %	
441	898	0 %	

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0194
Sample No: 28
County: 15 (Mry)

Starting Mile Pt: 0.01
Ending Mile Pt: 0.24
(0.23)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1214	100	0	
~~930~~				

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0		0%	
930		+1%	
1426		0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0195
Sample No: 29
County: 15 (Muxy

Starting Mile Pt: 1.16
Ending Mile Pt: 1.49
(0.33)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	492	100	0	
L 492	689	99.8		
689	891	100	0	
891	1345	99.8		
1345	1742	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1345	-1.2%	
1345	1742	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

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CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0237
Sample No: 30
County: 15 (Mry)

Starting Mile Pt: 0.00
Ending Mile Pt: 1.37

(1.37)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	1243	100	0	
L	1243	1928	99.7	3.2	
R	1928	2521	99.8	2.4	
	2521	6304	100	0	
L	6304	6687	99.9	1.1	
	6687	7235	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	664	-3.2%	
664	1217	+9.0%	
1217	1649	0%	
1649	3231	-4.4%	
3231	4560	+9.2%	
4560	6103	-5.4%	
6103	7235	+2.4%	
		0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CR 0259
Sample No: 51
County: 15 (Mry)

Starting Mile Pt: 3.07
Ending Mile Pt: 3.09
(0.02)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
~~0~~				
L ~~650~~		~~99.8~~	~~2.0~~	
~~804~~				
~~0~~	~~105~~	~~100~~	~~0~~	
0	106	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0		+4.2%	
375		0%	
0	106	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: Co 0259
Sample No: 32
County: 15 (Mrg)

Starting Mile Pt: 3.73
Ending Mile Pt: 3.83
(0.10)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	528	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	528	+ 4.7%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

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CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0259
Sample No: 33
County: 15 (Mny.)

Starting Mile Pt: 3.83
Ending Mile Pt: 4.54
(0.71)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
L 0	152	99.8	2.2	
152	1862	100	0	
1862	2074	99.7	3.0	
2074	3749	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	2500	0%	
2500	2932	3.4%	
2932	3749	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0350
Sample No: 34
County: 15 (Mary)

Starting Mile Pt: 0.17
Ending Mile Pt: 0.44
(0.27)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
R 0	784	99.95	0.6	
784	1425	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1324	0%	
1324	1425	-3%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 2362
Sample No: 35
County: 15 (Mng)

Starting Mile Pt: 0.65
Ending Mile Pt: 0.99 (0.34)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	218	100	0	
R	218	668	99.9	1.2	
	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	
	~~218~~ 664	1795	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	218	0%	
218	668	-1.2%	
668	1306	+2.9%	
1306	1795	-1.9%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 0533
Sample No: 36
County: 15 (Mry)

Starting Mile Pt: 0.00
Ending Mile Pt: 0.17

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	198	100	0	
198	235	99.6	3.7	
235	560	100	0	
560	661	99.9	1.0	
661	898	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	235	-6.8%	
235	361	0%	
361	661	-8.0%	
661	898	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: 002 1222
Sample No: 37
County: 15 (Mry)

Starting Mile Pt: 0.19
Ending Mile Pt: 0.29
(0.10)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	530	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	530	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 1659
Sample No: 38
County: 15 (Mry)

Starting Mile Pt: 0.00
Ending Mile Pt: 0.13
(0.13)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	686	100	0	0.037 0% .10 4%

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	158	0%	
158	686	+7%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: Co 1659
Sample No: 39
County: 15 (Mry)

Starting Mile Pt: 0.13
Ending Mile Pt: 0.53
(.40)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	2112	100	0	

↑ .12→0%
-6%
0.10 0%

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	526	0%	
526	1900	-6%	
1900	2112	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 1799
Sample No: 40
County: 15 (Mry)

Starting Mile Pt: 0.00
Ending Mile Pt: 0.47

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	100	100	0	
L	100	169	99.8	2.0	
	169	670	100	0	
R	670	958	99.4	4.8	
	958	1935	100	0	
	1935	2306	99.9	1.0	
	2306	2480	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	958	-3.2%	
958	1331	+6.3%	
1331	1574	0%	
1574	2306	+6.3%	
2306	2480	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 1919
Sample No: 41
County: 15 (Mny)

Starting Mile Pt: 0.00
Ending Mile Pt: 0.15
(0.15)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
			99.9		
L	0	238	~~[illegible]~~	1.2	
R	238	718	~~[illegible]~~ 99.7	3.2	
	718	791	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 1936
Sample No: 42
County: 15 (Mry)

Starting Mile Pt: 0.16
Ending Mile Pt: 0.20
(0.04)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	212	99.9	1.2	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	212	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

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CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 1936
Sample No: 43
County: 15 (Mry)

Starting Mile Pt: 0.20
Ending Mile Pt: 0.43
(0.23)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	312	100	0	
R 312	521	99.8	2.0	
521	1214	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1214	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

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CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 1936
Sample No: 44
County: 15 (Mry)

Starting Mile Pt: 0.43
Ending Mile Pt: 0.52
(0.09)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	426	~~100~~ 99.95	0.5	
426	477	100	5	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	426	-3%	
426	477	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 1936
Sample No: 45
County: 15 (Mng)

Starting Mile Pt: 0.52
Ending Mile Pt: 1.38
(0.86)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	2104	100	0	
2104	2334	99.8	2.2	
2334	3725	100	0	
3725	3963	99.7	3.1	
3963	4382	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1413	0%	
1413	1793	-6.5%	
1793	2104	0%	
2104	2334	-42%	
2334	2386	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: 60 3428
Sample No: ~~60 3428~~ 46
County: 15 (M)

Starting Mile Pt: 0.00
Ending Mile Pt: 0.61
(0.61)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	1322	100	0	
R	1322	1678	99	5.8	
	1678	2186	100	0	
L	2186	2791	99.7	3.0	
	2791	3222	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	400	−6.5%	
400	1046	+1.1%	
1046	1858	−3.8%	
1858	2186	−4.4%	
2186	3222	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 3727
Sample No: 47
County: 15 (Mry)

Starting Mile Pt: 0.55
Ending Mile Pt: 0.65
(0.10)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	528	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	528	-3%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

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CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 3727
Sample No: 48
County: 15 (mry)

Starting Mile Pt: 0.65
Ending Mile Pt: 0.76

(0.11)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
L 0	422	99.8	2.1	
422	581	100	0	

3% - 5.2%

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	581	+9 %	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

J 11/10

? ? 0.76 ?

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 3727
Sample No: 49
County: 15 (Mary)

Starting Mile Pt: 0.73
Ending Mile Pt: 1.19
(0.43)

Horzontal Curve Section

.30

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
L	0	1587	99.6	4.0	
R	1587	1732	99.9	1.2	
	1732	3270	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1587	-7%	
1587	2270	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4132
Sample No: 50
County:

Starting Mile Pt: 0.31
Ending Mile Pt: 0.35
(0.04)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	214	100	0%	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	244	-7%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: 10 4132
Sample No: 51
County: 13

Starting Mile Pt: 0.35
Ending Mile Pt: 0.58
(0.23)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1214	100	0	

-0.5 +

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1214	+ 3.4%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4132
Sample No: 52
County: 15

Starting Mile Pt: 0.58
Ending Mile Pt: 0.63
(0.05)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	264	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	364	+3.4%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

√ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4226
Sample No: 53
County: 15 Cmry

Starting Mile Pt: 0.00
Ending Mile Pt: 0.36
(0.36)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1901	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	988	-1%	
988	1901		

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

✓ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4226
Sample No: 54
County: 15 (my)

Starting Mile Pt: 0.36
Ending Mile Pt: 0.41
(0.05)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	264	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	264	+1%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

√ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4226
Sample No: 55
County: 15 (Mry)

Starting Mile Pt: 3.57
Ending Mile Pt: 4.05
(0.48)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	2530	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	2539	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

√ 10/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4226
Sample No: 56
County: 15 (Mry)

Starting Mile Pt: 7.15
Ending Mile Pt: 7.35
(0.20)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1055	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	329	0%	
329	1055	-2.4%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

√ 11/P

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4226
Sample No: 57
County: 15 (Mny)

Starting Mile Pt: 7.47
Ending Mile Pt: 7.64
(0.17)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	719	100	0	
L 719	895	99.9	1.1	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	402	0%	
402	895	+1.4%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4226
Sample No: 58
County: 15 (mry)

Starting Mile Pt: 7.64
Ending Mile Pt: 7.79
(0.15)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	255	100	0	
L 255	793	99.9	1.1	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	793	+1.4%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

J 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4206
Sample No: 59
County: 15 (mry)

Starting Mile Pt: 7.79
Ending Mile Pt: 7.97
(0.18)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	950	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	592	0%	
592	950	-5.3%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

✓ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4241
Sample No: 60
County: 15 (Mry)

Starting Mile Pt: 0.36
Ending Mile Pt: 0.62
(0.26)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	264	100	0	
R	264	476	99.7	3.0	
	476	1373	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	~~1357~~ 476	-3.0%	
476	1373	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4242
Sample No: 61
County: 15 (Mry)

Starting Mile Pt: 0.00
Ending Mile Pt: 0.46
(0.46)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1502	100	0	
1502	1755	99.9	1.0	
1755	2428	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	505	0%	
505	1124	-4.0%	
1124	1755	+6.7%	
1755	2423	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4242
Sample No: 62
County: 15 (Mrg)

Starting Mile Pt: 0.46
Ending Mile Pt: 0.95
(0.49)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	201	100	0	
L	201	458	99.7	1.2	
R	458	650	99.9	1.0	
	~~1760~~ 650	1760	100	0	
	1760	2189	99.7	3.22	
	2189	2587	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0		0%	
238		-4%	
1427		+3.2%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4242
Sample No: 63
County: 15 (Mny)

Starting Mile Pt: 0.95
Ending Mile Pt: 1.15
(0.20)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	650	100	0	
D L	650	757	99.7	3.0	
	757	1256	108	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	835	-6.2%	
835	1056	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4349
Sample No: 64
County: 15 (May)

Starting Mile Pt: 0.00
Ending Mile Pt: 0.19
(0.19)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1004	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1004	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

✓ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4440
Sample No: 65
County: 15 (Mry)

Starting Mile Pt: 0.08
Ending Mile Pt: 0.22
(0.14)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	193	99.9	1.2	
193	739	102	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	193	0%	
193	669	-1.2%	
669	739	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4552
Sample No: 66
County: 15 (Mry)

Starting Mile Pt: 2.42
Ending Mile Pt: 2.57
(0.15)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	169	106	0	
169	328	99.9	1.0	
328	792	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	792	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

J 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4552
Sample No: 67
County: 15 (Mry)

Starting Mile Pt: 2.57
Ending Mile Pt: 2.82
(0.25)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1320	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0		0%	
282		-7.1%	
589	1320	+4.0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4690
Sample No: 68
County: 15 (Mry)

Starting Mile Pt: 3.20
Ending Mile Pt: 4.31
(1.11)

Horzontal Curve Section

	Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
	0	1963	100	0	
L	1963	2284	99.9	1.2	
	2284	2749	100	0	
R	2749	2749	99.9	1.1	
	3149	3379	100	0	
L	3379	3607	99.8	2.0	
R	3607	3881	99.8	2.1	
	3881	4507	100	0	
L	4507	4927	99.5	4.0	
	4927	5186	100	0	
R	5186	5336	99.75	2.6	
	5336	5863	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	5283	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 4690
Sample No: 69
County: 15 (Mg)

Starting Mile Pt: 4.89
Ending Mile Pt: 5.13
(0.24)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	206	99.9	1.0	
200	1267	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

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Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1267	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 5152
Sample No: 70
County: 15 (Mcy)

Starting Mile Pt: 1.20
Ending Mile Pt: 1.30
(0.10)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	527	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	248	+0%	
248	527	+5.8%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

√ 11/10

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: CO 5665
Sample No: 71
County: 15 (Mry)

Starting Mile Pt: 0.31
Ending Mile Pt: 0.92
(0.61)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	3221	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	275	0%	
275	689	−2.7%	
689	1530	+5.7%	
1530	1831	−2.4%	
1831	2243	+2.2%	
2243	2493	0%	
2493	2917	+2%	
2917	3221	−3.2%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GV 0006
Sample No: 72
County: 15

Starting Mile Pt: 1.67
Ending Mile Pt: 2.06
(0.39)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	3059	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	3059	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GV 006 ? → 0006
Sample No: 73
County: 15

Starting Mile Pt: 2.06
Ending Mile Pt: 2.99
(0.93)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1859	100	0	
R1859	2432	99.9	1.0	
2432	3920	100	0	
3920	4372	99.95	0.6	
4372	4910	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1210	0%	
1210	2190	+1.6%	
2190	4372	-1.8%	
4372	4910	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GU 0006
Sample No: 74
County: 15

Starting Mile Pt: 2.99
Ending Mile Pt: 3.35
(0.36)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1901	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1901	0 %	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

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CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: 4U 0006
Sample No: 75
County: 15

Starting Mile Pt: 3.35
Ending Mile Pt: 3.37
(.02)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
R 0	106	99.9	1.1	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	106	-1.0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

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CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GV 0006
Sample No: 76
County: 15

Starting Mile Pt: 3.52
Ending Mile Pt: 3.56
(0.04)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
R 0	~~248~~ 213	99.9	1.0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	213	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GU 0006
Sample No: 77
County: 15

Starting Mile Pt: 3.56
Ending Mile Pt: 3.88
(0.32)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1690	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1690	-1.0 %	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GY 0006
Sample No: 78
County: 15

Starting Mile Pt: 4.21
Ending Mile Pt: 4.29
(0.08)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	422	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	422	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

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CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GV 0006
Sample No: 79
County: 15

Starting Mile Pt: 4.29
Ending Mile Pt: 4.44
(0.15)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	792	150	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	792	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: 9V 0006
Sample No: 80
County: 15

Starting Mile Pt: 4.44
Ending Mile Pt: 4.49
(0.05)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	263	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	263	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GV 0006
Sample No: 81
County: 15

Starting Mile Pt: 4.49
Ending Mile Pt: 5.51
(1.02)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	5385 ~~5405~~	100	0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1469	0%	
1469	2468	+1.2%	
2468	4071	0%	
4071	4445	-3.0	
4445	5585	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

√ 11/12

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GV 0006
Sample No: 82
County: 15

Starting Mile Pt: 5.51
Ending Mile Pt: 5.69
(0.18)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	950	?	?	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	950	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____

√ 11/12

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GV 0006
Sample No: 83
County: 15

Starting Mile Pt: 5.69
Ending Mile Pt: 6.05
(0.36)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1351	100	0	
L 1351	1901	99.9	1.0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	561	0%	
561	1551	+1%	
1551	1901	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GV 0006
Sample No: 84
County: 15

Starting Mile Pt: 6.05
Ending Mile Pt: 6.17
(0.12)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
L 0	634	99.9	1.0	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	634	0%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-2.4		
c.	2.5-4.4		
d.	4.5-6.4		
e.	6.5-8.4		
f.	8.5-		

CURVE - GRADE DATA COLLECTION
NON - STATE ROADS - FY - 1992

Route No: GV 0006
Sample No: 85
County: 15

Starting Mile Pt: ~~6.57~~ 6.17
Ending Mile Pt: ~~6.8~~ 6.39
(0.22)

Horzontal Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Chord length (/100ft)	Central Ordi. Length (/100ft)	Length of Total Curve in(x.xxmile)
0	1005		0%	
1005	1162	99.9	1.2%	

	Curve Classes by Degree of Curvature	Number of Curves (Right-Justified)	Length of Curves in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4		
b.	0.5-1.4		
c.	1.5-2.4		
d.	2.5-3.4		
e.	3.5-4.4		
f.	4.5-5.4		
g.	5.5-6.9		
h.	7.0-8.4		
i.	8.5-10.9		
j.	11.0-13.9		
k.	14.0-19.4		
l.	19.5-27.9		
m.	28+		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1025	[illegible] %	
1025	1162	-1.2%	

	Grade Classes by Gradient (Percent)	Number of Grades (Right-Justified)	Length of Grades in Class (Implied Decimal) (xx.xxx miles)
a.	0.0-0.4	____	____
b.	0.5-2.4	____	____
c.	2.5-4.4	____	____
d.	4.5-6.4	____	____
e.	6.5-8.4	____	____
f.	8.5-	____	____