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

Frederick

	DO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
		Harney RD					
1	10	CO 0043	00.03	00.87	00.90	A-10	712-681
		Keysville RD.					
2	10	CO 0063	00.86	01.42	02.28	A-10	711-679
		Old Frederick RD.					
3	10	CO 0064	01.49	00.66	02.15	B-9	700-643
		Mt. Phillip RD.					
4	10	CO 0226	00.00	00.72	00.72	C-9	668-579
5	10	CO 0226	00.72	00.02	00.74		
		Butterfly Lane					
6	10	CO 0227	01.51	00.12	01.63	C-9	668-576
		Lander RD					
7	10	CO 0281	03.22	00.50	03.72	C-9/D-9	644-547
		Mountville RD.					
8	10	CO 0287	03.72	00.75	04.47	C-9/D-9	662-542
		Ballenger Creek Pike					
9	10	CO 0294	05.37	01.22	06.59	C-9/D-9	661-547
		New Design RD.					
10	10	CO 0324	10.55	00.47	11.02	C-9/D-9	681-557
		Reichs Ford RD.					
11	10	CO 0373	00.08	00.46	00.54	C-9/C-1	708
12	10	CO 0373	00.59	01.05	01.64		
13	10	CO 0373	03.92	00.46	04.38		
14	10	CO 0373	04.38	00.47	04.85	C-9/C-10	708-557
15	10	CO 0373	05.10	00.12	05.22		
16	10	CO 0373	05.22	00.03	05.25		
17	10	CO 0373	05.25	00.06	05.31		
		Woodville RD.					
18	10	CO 0407	06.44	00.39	06.83	B-10/C-10	750-568
		Ray Smith RD.					
19	10	CO 0850	00.00	00.58	00.58	C-9	692-570

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

Frederick City

	CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
		Baughman's Lt					
20	10	MU 0090 057	00.00	00.57	00.57		676-575
21	10	MU 0090 057	00.57	00.13	00.70		
		N. Bentz ST					
22	10	MU 0120 057	00.00	00.27	00.27		683-578
23	10	MU 0120 057	00.27	00.13	00.40		
		W. Church ST					
24	10	MU 0360 057	00.00	00.31	00.31		685-576
25	10	MU 0360 057	00.44	00.17	00.61		
26	10	MU 0360 057	00.77	00.18	00.95		
		College Ave					
27	10	MU 0390 057	00.14	00.34	00.48		681-577
		W. College Terr.					
28	10	MU 0430 057	00.25	00.32	00.57		681-576
		Dill Ave					
29	10	MU 0540 057	00.00	00.38	00.38	C-9	681-577
		Fairview Ave					
30	10	MU 0640 057	00.00	00.46	00.46		680-578
31	10	MU 0640 057	00.83	00.14	00.97		
		Franklin ST					
32	10	MU 0660 057	01.65	00.23	01.88		688-570
		Gas House Pike					
33	10	MU 0676 057	00.00	01.05	01.05		689-578
34	10	MU 0676 057	01.05	00.27	01.32		
		Hayward RD.					
35	10	MU 0714 057	00.00	00.15	00.15		683-591
36	10	MU 0714 057	00.82	00.14	00.96		
		S. Jefferson ST.					
37	10	MU 0760 057	00.16	00.15	00.31		682-572
38	10	MU 0760 057	00.31	00.22	00.53		
39	10	MU 0760 057	00.53	00.24	00.77		
		Motter Ave					
40	10	MU 1020 057	00.00	00.22	00.22		686-579
41	10	MU 1020 057	00.22	00.42	00.64		

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

Frederick City

	CO	ROUTE	BEGIN	SECT LENGTH	END	MAP	COORD
		Opossumtown Pike					
42	10	MU 1118 057	00.00	00.03	00.03		682-574
43	10	MU 1118 057	00.63	00.71	01.34		
		Shookstown RD. ~~Saner Ave~~					
44	10	MU 1390 057	00.92	00.81	01.73		676-582
		E & W South ST.					
45	10	MU 1400 057	00.24	00.30	00.54		
46	10	MU 1400 057	00.54	00.29	00.83		
47	10	MU 1400 057	00.83	00.13	00.96		
48	10	MU 1400 057	00.96	00.05	01.01		
49	10	MU 1400 057	01.01	00.10	01.11		681-574
50	10	MU 1400 057	01.27	00.03	01.30	C-9	
51	10	MU 1400 057	01.30	00.11	01.41		
52	10	MU 1400 057	01.41	00.13	01.54		
53	10	MU 1400 057	01.54	00.11	01.65		
		E. South ST					
54	10	MU 1405 057	00.00	00.08	00.08		
55	10	MU 1405 057	00.08	00.02	00.10		689-574
56	10	MU 1405 057	00.31	00.10	00.41		
		Willowdale Drive					
57	10	MU 1575 057	00.00	00.58	00.58		672-576
		4th ST					
58	10	MU 9040 057	00.54	00.15	00.69		685-577
		9th ST					
59	10	MU 9090 057	00.56	00.13	00.69		685-579

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

Route No: Co 0043
Sample No: 1
County: Frederick

Starting Mile Pt: 0.03
Ending Mile Pt: 2.90
0.87

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)
S	0				
S		3086	100	0	
R	3086	3417	99.75	2.7	
S	3417	4170	100	0	
L	4170	4595	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	1135	0%	
+ 1135	1429	7.0	
− 1429	2233	2.6	
2233	2575	0%	
+ 2575	2865	7.8	
2865	3417	0%	
− 3417	4595	4.6	

	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-	____	____

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: CO 63 Starting Mile Pt: .85

Sample No: 2 Ending Mile Pt: 2.25

County: 10 FREDERICK

1.4 = 7392 ft

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	259	99.4	3.2	
259	3642	100	0	
3642	4339	99.85	1.7	
4339	4980	99.50	4.3	
4980	6515	100	0	
6515	6729	99.8	2.0	
6729	6969	100	0	
6969	7155	99.6	3.2	
7155	7392	100	0	

A.	0.0 - 0.4	3	.98
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	1	.12
I.	8.5 - 10.9	2	.09
J.	11.0- 13.9		
		12	.09 .17

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1702	2.2	
1702	2270	4.0	
2270	2982	0	
2982	3383	0	
3383	3642	0	
3642	4481	7.4	
4481	4980	7.4	
4980	6332	0	
6332	6729	5.2	
6729	7392	0	

A.	0.0 - 0.4	3	.60
B.	0.5 - 2.4	1	.32
C.	2.5 - 4.4	1	.1
D.	4.5 - 6.4	1	.08
E.	6.5 - 8.4	2	.20
F.	8.5 -		

0	259	99.4	5.2
259	3642	100	0
3642	4339	99.85	1.7
4339	4980	99.5	4.3
4980	6515	100	0
6515	6729	99.8	2.0
6729	6969	100	0
6969	7155	99.6	3.8
7155	7503	100	0

ECTION
- 1992

Starting Mile Pt: 0.86
Ending Mile Pt: 2.28

1.42

th

Length of Total Curve in(x.xxmile)

L
S
R
S
R
L
S
R
S
R
S
R

	Degree of Curvature	(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	1702	-2.2%	
1702	2270	-4.0	
2270	2982	0%	
2982	3383	0%	
3383	3642	0%	
3642	4481	+7.4	
4481	4980	-7.4	
4980	6332	0	
6332	6729	-5.2	
6729	7503	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: SR 0064
Sample No: 3
County: Frederick

Starting Mile Pt: 1.49
Ending Mile Pt: 2.15

0.66

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	3425	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	853	0%	
853	1588	+1%	
1588	2345	-4.2	
2345	2764	-8.4	
2764	3485	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: 00226
Sample No: 4
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 0.72
(0.72)

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	1239	100	0	
R	1239	1606	99.9	1.3	
L	1606	1914	99.85	1.5	
S	1914	2823	100	0	
R	2823	3380	99.85	2.4	
S	3380	3803	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%	
399		+6.7	
1239		−1.8	
1606		+2.4	
2598		−2	
3254		+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 0226
Sample No: 5
County: Frederick

Starting Mile Pt: 0.72
Ending Mile Pt: 0.74

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	107	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	107	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 0227
Sample No: 6
County: Frederick

Starting Mile Pt: 1.51
Ending Mile Pt: 1.63

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	636	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	282	+1.8	
282	636	-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 0281
Sample No: 7
County: Frederick

Starting Mile Pt: 3.22
Ending Mile Pt: 3.72
0.50

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)
S	0	1981	100	0	
R	1981	2219	99.5	4.2	
S	2219	2610	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	663	− 5.4	
663	1055	− 9.4	
1055	1467	+ 10.2	
1467	1618	0 %	
1618	1845	+ 5.4	
1845	2610	− 5.2	

	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

UPDATE FORM - 1993

Route No: CO 287 Starting Mile Pt: 3.72

Sample No: 8 Ending Mile Pt: 4.50

County: 10 FREDERICK .78 = 4118 ft

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	1003	100	0	
1003	1495	99.9	1.2	
1495	2706	100	0	
2706	3015	99.7	3.1	
3015	3367	100	0	
3367	3817	99.9	1.1	
3817	3957	100	0	
3957	4118	100	0	

A.	0.0 - 0.4	4	.55
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	1	.08
G.	5.5 - 6.9	1	.09
H.	7.0 - 8.4		
I.	8.5 - 10.9		
J.	11.0- 13.9	1	.06

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	584	1.0	
584	1003	0	
1003	1495	6.8	
1495	1965	.4	
1965	2424	6.2	
2424	4118	0	

A.	0.0 - 0.4	3	.49
B.	0.5 - 2.4	1	.11
C.	2.5 - 4.4		
D.	4.5 - 6.4	1	.09
E.	6.5 - 8.4	1	.09
F.	8.5 -		

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

Route No: CO 0287
Sample No: 8
County: Frederick

Starting Mile Pt: 3.72
Ending Mile Pt: 4.47
(0.75)

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)
S	0	1003	100	0	
R	1003	1495	99.9	1.2	
S	1495	2706	100	0	
L	2706	3015	99.7	3.1	
S	3015	3367	100	0	
R	3367	3817	99.9	1.1	
S	3817	3957	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	584	+1.0	
584	1003	0	
1003	1495	−6.8	
1495	1965	+0.4	
1965	2424	−6.2	
2424	3957	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

UPDATE FORM - 1993

Route No: CO 294 Starting Mile Pt: 5.37

Sample No: 9 Ending Mile Pt: 6.22

County: LO RED .85 = 4488 ft

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	4488	100	0	

A.	0.0 - 0.4	1	.85
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1420	2	
1420	2207	0	
2207	3133	3.6	
3133	3909	3.0	
3909	4488	4.4	

A.	0.0 - 0.4	1	.15
B.	0.5 - 2.4	1	.24
C.	2.5 - 4.4	1	.15
D.	4.5 - 6.4	2	.29
E.	6.5 - 8.4		
F.	8.5 -		

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

Route No: 60 0294
Sample No: 9
County: Frederick

Starting Mile Pt: 5.37
Ending Mile Pt: 6.59
1.22

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		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	1420	+2.0			
	1420	2207	0%			
(1)	2207	3133	+5.8			
	3133	3909	-3.0			
	3909 4488	5135	+4.6			
	5135	5885	-3.6			
	5885	6428	+3.8			
(2)	4488	5135	4.6	0	647	4.6
	5135	5885	3.6	647	1397	3.6
(3)	5885	6125	3.8	1347	1637	3.8
	6125	6442	3.8	0	-317	-3.8

	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-	____	____

6441.6

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

Route No: CO 0324
Sample No: 10
County: Frederick

Starting Mile Pt: 10.55
Ending Mile Pt: 11.02
(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	2480			

	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	178	0%	
178	735	+3.4	
735	1255	−4.2	
1255	2160	+4.0	
2160	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-	____	____

10 (A)

1/19

Sam 1/20/93

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

Route No: CO 0324

Sample No: 10(A)

County: Frederick (10)

Starting Mile Pt: 10.36

Ending Mile Pt: 10.51

.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	100	0	

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	178	0 %	
178	735	+ 3.4	
735	792	- 4.2	

10 (B)

1/19

11/20/93

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

Route No: CO 0324
Sample No: 10(B)
County: Frederick (10)

Starting Mile Pt: 10.51
Ending Mile Pt: 10.81

.30

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	1584	100	0	

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	463 (463)	-4.2%	
463	1368 (905)	+4.0%	
1368	1584 (320)	0%	

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

Route No: CO 0373
Sample No: 11
County: Frederick

Starting Mile Pt: 0.08
Ending Mile Pt: 0.54
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)
R	0	234	98.5	7.0	
C	234	491	99.8	2.4	
S	491	687	100	0	
R	687	813 ~~99.75~~	10 0	0	
S	813	1249	100	0	
R	1249	1608	99.75	2.7	
S	1608	2259	100	0	
R	2259	2420	73.4	16.5	

	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	1249	0%	
1249	2259	-3.6	
2259	2420	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

UPDATE FORM - 1993

Route No: CO 373 Starting Mile Pt: .39

Sample No: 12 Ending Mile Pt: 1.63

County: 10 FREDERICK 1.04 = 5491 ft

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	329	100	0	
329	1038	99.8	2.2	
1038	1301	99.65	3.5	
1301	1527	100	0	
1527	1885	97.1	10.4	
1885	2324	99.6	4.0	
2324	2741	99.6	4.0	
2741	3218	100	0	
3218	3897	99.7	3.2	
3897	4278	100	0	
4278	4542	99.8	2.2	
4542	4823	100	0	
4823	5009	99.4	5.0	
5009	5179	100	0	
5179	5491	99	3.7	

A.	0.0 - 0.4	6		.34
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	2		.18
J.	11.0- 13.9			
		5		.41
		1		.04
		1		.07

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	3897	0	
3897	4542	7.2	
4542	5179	0	
5179	5491	10.6	

A.	0.0 - 0.4	2	.85
B.	0.5 - 2.4		
C.	2.5 - 4.4		
D.	4.5 - 6.4		
E.	6.5 - 8.4	1	.12
F.	8.5 -	1	.07

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

Route No: CO 0373
Sample No: 12
County: Frederick

Starting Mile Pt: 0.59
Ending Mile Pt: 1.64
1.05

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	329	100	0	
L	329	1038	99.8	2.2	
R	1038	1301	99.65	3.5	
S	1301	1527	100	0	
R	1527	1885	97.1	10.4	
L	1885	2324	99.6	4.0	
R	2324	2741	99.6	4.0	
S	2741	3218	100	0	
L	3218	3897	99.7	3.2	
+S	3897	4278	100	0	
L	4278	4542	99.8	2.2	
S	4542	4823	100	0	
R	4823	5009 →	99.4	5.05	
S	5009	5179 →	100	0	
L	5179	5545 →	99.8	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	3897	0%	
3897	4542	+7.2	
4542	5179	0%	
5179	5545	+10.6	

	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-	____	____

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

Route No: CO 0373
Sample No: 13
County: Frederick

Starting Mile Pt: 3.92
Ending Mile Pt: 4.38
(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)
R	0	861	99.85	1.7	
S	861	1854	102	0	
L	1854	2431	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		0%	
2121	2431	+2.6	

	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-	____	____

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: CO 373

Sample No: 13

County: 10 FREDERICK

Starting Mile Pt: 3.89

Ending Mile Pt: 4.34

.450 = 2376 ft

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	915	99.85	1.7	
915	1908	100	0	
1908	2376	99.9	1.2	

A.	0.0 - 0.4	1	.18
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	1	.11
H.	7.0 - 8.4	1	.16
I.	8.5 - 10.9		
J.	11.0- 13.9		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	2121	0	
2121	2376	2.6	

A.	0.0 - 0.4	1	.39
B.	0.5 - 2.4		
C.	2.5 - 4.4	1	.06
D.	4.5 - 6.4		
E.	6.5 - 8.4		
F.	8.5 -		

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: CO 373 Starting Mile Pt: 4.34

Sample No: 14 Ending Mile Pt: 4.80

County: 10 FREDERICK .46 = 2429 ft

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	173	99.9	1.2	
173	825	100	0	
825	1611	99.95	.6	
1611	2429	100	0	

A.	0.0 - 0.4	2	.28
B.	0.5 - 1.4		
C.	1.5 - 2.4		
D.	2.5 - 3.4	1	.15
E.	3.5 - 4.4		
F.	4.5 - 5.4		
G.	5.5 - 6.9	1	.03
H.	7.0 - 8.4		
I.	8.5 - 10.9		
J.	11.0- 13.9		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	825	2.6	4.34 - 4.49
825	2429	0	4.49 - 4.80

A.	0.0 - 0.4	1	.30
B.	0.5 - 2.4		
C.	2.5 - 4.4	1	.16
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 0373
Sample No: 14
County: Frederick

Starting Mile Pt: 4.38
Ending Mile Pt: 4.85
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)
L	0	173	99.9	1.2	
S	173	825.	10.0	0	
R	825	1611	99.95	0.6	
S	1611	2483	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		+2.6	
825	2483	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 0373
Sample No: 15
County: Frederick

Starting Mile Pt: 5.10
Ending Mile Pt: 5.22
(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	622	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	622	-3.0	

	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 Ø373
Sample No: 16
County: Frederick

Starting Mile Pt: 5.22
Ending Mile Pt: 5.25
(0.03)

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	160	99.8	2.5	

	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	160	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 0373
Sample No: 167
County: Frederick

Starting Mile Pt: 5.25
Ending Mile Pt: 5.31
(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	315	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	315	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

UPDATE FORM - 1993

Route No: CO 407
Sample No: 18
County: 10 FREDERICK

Starting Mile Pt: 6.38
Ending Mile Pt: 6.78
.4 = 2112 ft

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	333	99.8	2.2	
333	2112	100	0	

A.	0.0 - 0.4	1	.34
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	1	.06
J.	11.0- 13.9		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	910	0	
910	1254	3.5	
1254	2112	2.0	

A.	0.0 - 0.4	1	.18
B.	0.5 - 2.4	1	.15
C.	2.5 - 4.4	1	.07
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 0407
Sample No: 18
County: Frederick

Starting Mile Pt: 6.44
Ending Mile Pt: 6.83
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)
R	0	333	99.8	2.2	
S	333	2059	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	910	0%	
910	1254	— 3.5	
1254	2059	+2.0	

	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 0850
Sample No: 19
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 0.58

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)
S	0	226	100	0	
R	226	419	98.7	6.8	
S	419	2017	100	0	
L	2017	2177	99.1	5.7	
R	2177	2447	96.6	12.1	
S	2447	2645	100	0	
	2645	3060			

	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+		

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: MU 90 057

Sample No: 20

County: 10 FREDERICK

Starting Mile Pt: .00

Ending Mile Pt: .05

.05 = 264 ft

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	

A.	0.0 - 0.4	1	.05
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	215	0	
215	264	2.64	

A.	0.0 - 0.4	1	.04
B.	0.5 - 2.4		
C.	2.5 - 4.4	1	.01
D.	4.5 - 6.4		
E.	6.5 - 8.4		
F.	8.5 -		

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

Route No: MU 0090 057
Sample No: 20
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 0.57
(0.57)

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)
S	0	3011	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	215	0%	(1) 0 215	0%
215	1472	-2.6	.05-.29 215 264	2.6 %
1472	2553	0%	.29-.49	
2552	3011	-2.1	.49-.58 (2) 0 1208	2.6 %
			1208 2289	0%
			2289 2747	2.1 %

	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-	____	____

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

Route No: MU 0090 057
Sample No: 21
County: Frederick

Starting Mile Pt: 0.57
Ending Mile Pt: 0.70
(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)
S 0	675	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	426	0%	
426	~~669~~ 675	+2.0	

	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: MU 0120 057
Sample No: 22
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 0.27
(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)
0	1435			

	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	600	0%	
600	940	+1.3%	
940	1435	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: MU 0120 057
Sample No: 23
County: Frederick

Starting Mile Pt: 0.27
Ending Mile Pt: 0.40
(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	

	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	686	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: MU 0360 057
Sample No: 24
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 0.31
(0.31)

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	1637	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	537	0 %	
537	932	+1.6%	
932	1637	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: MU 0360 057
Sample No: 25
County: Frederick

Starting Mile Pt: 0.44
Ending Mile Pt: 0.61
(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	890	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	302	+0.6%	
302	890	−1.6%	

	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-	____	____

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

Route No: MU 0360 057
Sample No: 26
County: Frederick

Starting Mile Pt: 0.77
Ending Mile Pt: 0.95
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)
S	0	161	100	0	
L	161	656	97.5	2.7	
S	656	953	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	953	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: MU 0390 057
Sample No: 27
County: Frederick

Starting Mile Pt: 0.14
Ending Mile Pt: 0.48
(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	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	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: MU 0430 057
Sample No: 28
County: Frederick

Starting Mile Pt: 0.25
Ending Mile Pt: 0.57
(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)
S 0	74	100	0	
R 74	1700	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	397	-2.4	
397	932	0	
932	1700	+2.0	

	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: MV 0540 057
Sample No: 29
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 0.38

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	2004	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	840	-0.8	
840	1630	0	
1630	2004	+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: MU 0640 057
Sample No: 30
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 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	2431	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	1186	0%	
1186	2023	2.6%	
2023	2431	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

UPDATE FORM - 1993

Route No: MU 640 057

Sample No: 31

County: 10 FREDERICK

Starting Mile Pt: .83

Ending Mile Pt: .91

.08 = 422 ft

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	

A.	0.0 - 0.4	1	.08
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	160	2.7	
160	422	2.7	

A.	0.0 - 0.4		
B.	0.5 - 2.4		
C.	2.5 - 4.4	2	.08
D.	4.5 - 6.4		
E.	6.5 - 8.4		
F.	8.5 -		

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

Route No: MU 0640 057
Sample No: 31
County: Frederick

Starting Mile Pt: ~~0.88~~ 0.83
Ending Mile Pt: 0.97
(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	492	100	0	(1) 0 422 100 0
R ~~492~~	~~745~~	~~99.5~~	~~4.0~~	
				(2) 0 70 100 0%
				70 323 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	168	-2.7	① 0	168	2.7
168	745	+2.7	168	422	2.7
			② 0	369	2.7

	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: MU 0660 057
Sample No: 32
County: Frederick

Starting Mile Pt: 1.65
Ending Mile Pt: 1.88

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	6	

	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	~~[illegible]~~	~~[illegible]~~	
~~[illegible]~~	779	0	
779	1214	+6.8	

	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-	____	____

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

Route No: MU 0676 057
Sample No: 33
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 1.05
~~(0.27)~~
(1.05)

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)
S	0	220	100	0	
L	220	420	99.7	3.2	
S	420	2596	100	0	
R	2596	2816	99.3	2.3	
S	2816	3035	100	0	
L	3035	3250	99.8	2.1	
S	3250	4365	100	0	
R	4365	4807	99.3	5.7	
L	4807	5131	98	8.7	
S	5131	5555	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	1650	0%	
1650	1885	-1.0	
1885	4620	0%	
4620	4807	-0.6%	
4807	5131	+4.0%	
5131	5555	-2.0%	

	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: ~~MU~~ 0676 057
Sample No: 34
County: Frederick

Starting Mile Pt: ~~0.00~~ 1.05
Ending Mile Pt: ~~1.05~~ 1.32
~~(0.27)~~
(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)
	0	1117	100	0	
R	1117	1430	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	723	0 %	
723	1430	+0.8%	

	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-	____	____

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

Route No: MU 0714 057
Sample No: 35
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 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)
R	0	266	99.7	2.9	
S	266	790			

	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	790	-3.9	

	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

UPDATE FORM - 1993

Route No: MU 760 057

Sample No: 37

County: 10 FREDERICK

Starting Mile Pt: .16

Ending Mile Pt: .26

.10 = 528 ft

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	

A.	0.0 - 0.4	1	.1
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	528	108	

A.	0.0 - 0.4		
B.	0.5 - 2.4	1	.1
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: MU 0760 057
Sample No: 36
County: Frederick

Starting Mile Pt: 0.82
Ending Mile Pt: 0.96
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	225	-6.4	
225	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-	____	____

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

Route No: MU 0760 057
Sample No: 37
County: Frederick

Starting Mile Pt: 0.16
Ending Mile Pt: 0.31
(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	784	100	0	(1)	0 528 100 0
				(2)	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	784	+1.8	

	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-		

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

Route No: ~~SR~~ MU 0760 057
Sample No: 38
County: Frederick

Starting Mile Pt: 0.31
Ending Mile Pt: 0.53
(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	1160	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	78	0	
78	1032	−1.6	
1032	1160	+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

UPDATE FORM - 1993

Route No: MU 760 057 Starting Mile Pt: .53

Sample No: 39 Ending Mile Pt: .74

County: 10 FREDERICK .21 = 1109 ft

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	1109	100	0	

A.	0.0 - 0.4	1	.21
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	78	0	
78	1032	1.6	
1032	1109	3.4	

A.	0.0 - 0.4	1	.18
B.	0.5 - 2.4		
C.	2.5 - 4.4	1	.03
D.	4.5 - 6.4		
E.	6.5 - 8.4		
F.	8.5 -		

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

Route No: MU 0760 057
Sample No: 39
County: Frederick

Starting Mile Pt: 0.53
Ending Mile Pt: 0.77
(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	1270	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	170	+ 3.4	
170	1270	0.1	

	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-	____	____

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: MU 1020 07 Starting Mile Pt: 0.00

Sample No: 40 Ending Mile Pt: 0.40

County: 10 FREDERICK .40 = 2112 ft

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	

A.	0.0 - 0.4	2	.35
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	1	.05
I.	8.5 - 10.9		
J.	11.0- 13.9		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1637	0	
1637	2060	4.2	
2060	2117	0	

A.	0.0 - 0.4	2	.32
B.	0.5 - 2.4		
C.	2.5 - 4.4	1	.08
D.	4.5 - 6.4		
E.	6.5 - 8.4		
F.	8.5 -		

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

Route No: MU 1020 057
Sample No: 40
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 0.22
(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)
~~1160~~ 0	1160	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		
	11.0-13.9		
	[illegible].0-19.4		
	[illegible]7.9		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	1160	~~+~~ 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: MU 1020 057
Sample No: 41
County: Frederick

Starting Mile Pt: 0.22
Ending Mile Pt: 0.64
(0.42)

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)
S	0	1428	100	0	
R	1428	1679	99.85	1.7	
S	1679	2218	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~~ 477	0%	
477	900	-4.2%	
900	2218	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: MU 1118 057
Sample No: 42
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 0.03
(0.03)

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)
S 0	160	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	160	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: MU 1118 057
Sample No: 43
County: Frederick

Starting Mile Pt: 0.63
Ending Mile Pt: 1.34
(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)
5 0	3747	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	531	0%	
531	982	-3.2	
982	2412	+3.0	
2412	3274	-2.5	
3274	3747	-1.7	

	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

UPDATE FORM - 1993

Route No: MU 1390 057 Starting Mile Pt: .92

Sample No: 44 Ending Mile Pt: 1.70

County: 10 FREDERICK .78 = 4118ft

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	1066	100	0	
1066	1344	99.7	2.9	
1344	1979	100	0	
1979	2197	99.45	4.0	
2197	3791	100	0	
3791	4118	99.35	4.5	

A.	0.0 - 0.4	4	.67
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	1	.05
		1	.04
			.07

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	481	0	
481	739	1.6	
739	2668	1.5	
2668	4118	1.2	

A.	0.0 - 0.4	2	.10
B.	0.5 - 2.4	3	.68
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: MU 1390 057
Sample No: 44
County: Frederick

Starting Mile Pt: 0.92
Ending Mile Pt: 1.73
(0.81)

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)
S	0	1066	100	0	
L R	1066	1344	99.7	2.9	
S	1344	1979	100	0	
R	1979	2177	99.45	4.0	
S	2197	3791	100	0	
R	3791	4180	99.35	4.5	
S	4180	4275	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	481	0%	
481	739	+1.6	
739	2668	−1.5	
2668	~~4275~~ 4180	−1.2	
4180	4375	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-	____	____

QAAIT FIND

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: MU 1405 057

Sample No: 45

County: 10 FREDERICK

Starting Mile Pt: .24

Ending Mile Pt: .53

.29 = 1531 ft

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	1531	100	0	

A.	0.0 - 0.4	1	.29
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	468	1.6	
468	1285	1.4	
1285	1531	2.0	

A.	0.0 - 0.4		
B.	0.5 - 2.4	3	.29
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: MU 1408 057
Sample No: 45
County: Frederick

Starting Mile Pt: 0.24
Ending Mile Pt: 0.54

(0.30)

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	1542	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	468	+1.6	
468	1285	−1.4	
1285	1543	+2.0	

	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: MU 1400 057
Sample No: 46
County: Frederick

Starting Mile Pt: 0.54
Ending Mile Pt: 0.83
(0.29)

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	1531	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	156	+2.0%	.54 - .57
156	1380	-3.4%	.57 - .80
~~1380~~ 1380	~~1480~~ 1531	+4.0%	.80 - .83

	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: MU 1400 057
Sample No: 47
County: Frederick

Starting Mile Pt: 0.83
Ending Mile Pt: 0.96
(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	684	60	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	4.6%	

	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-	____	____

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: MU 1400 057 Starting Mile Pt: .96

Sample No: 48 Ending Mile Pt: .99

County: MD FREDERICK .03 = 158 ft

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	158	100	0	

A.	0.0 - 0.4	1	.03
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	158	4.6	

A.	0.0 - 0.4		
B.	0.5 - 2.4		
C.	2.5 - 4.4		
D.	4.5 - 6.4	1	.03
E.	6.5 - 8.4		
F.	8.5 -		

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

Route No: MD 1400 057
Sample No: 48
County: Frederick

Starting Mile Pt: 0.96
Ending Mile Pt: 1.01
(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	159	+ 4.6	
159	264	− 3.8	

	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-	____	____

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

Route No: MU 1400 057
Sample No: 49
County: Frederick

Starting Mile Pt: 1.01
Ending Mile Pt: 1.11
(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	-3.8	

	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-	____	____

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: MIL 1400 057 Starting Mile Pt: 1.25

Sample No: 50 Ending Mile Pt: 1.39

County: ID FREDERICK

.14 = 739ft

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	

A.	0.0 - 0.4	1	.14
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	739	3.0	

A.	0.0 - 0.4		
B.	0.5 - 2.4		
C.	2.5 - 4.4	1	.14
D.	4.5 - 6.4		
E.	6.5 - 8.4		
F.	8.5 -		

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

Route No: MU 1400 057
Sample No: 50
County: Frederick

Starting Mile Pt: 1.27
Ending Mile Pt: 1.30
(0.03)

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	159	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	159	+3.0	

	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: MV 1400 057
Sample No: 51
County: Frederick

Starting Mile Pt: 1.30
Ending Mile Pt: 1.41
(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)
0	590			

	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	155	3.0	
155	590	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: MU 1400 057
Sample No: 52
County: Frederick

Starting Mile Pt: 1.41
Ending Mile Pt: 1.54
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	690			

	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	170	0%	
~~200~~ 170	690	-3.0	

	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

UPDATE FORM - 1993

Route No: MIL 1400 002

Starting Mile Pt: 1.53

Sample No: 53

Ending Mile Pt: 1.63

County: 10 FREDERICK

.100 = 528 ft

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	

A.	0.0 - 0.4	1	.10
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	69	3.0	
69	528	0	

A.	0.0 - 0.4	1	.09
B.	0.5 - 2.4		
C.	2.5 - 4.4	1	.01
D.	4.5 - 6.4		
E.	6.5 - 8.4		
F.	8.5 -		

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

Route No: MU 1400 057
Sample No: 53
County: frederick

Starting Mile Pt: 1.54
Ending Mile Pt: 1.65
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)
0	580	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	69	-3.0	
69	580	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

UPDATE FORM - 1993

Route No: MU 1400 057 Starting Mile Pt: .54

Sample No: 46 Ending Mile Pt: .81

County: MD FREDERICK .27 = 1426 ft

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	1426	100	0	

A.	0.0 - 0.4	1	.27
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	156	2.0	
156	1380	3.4	
1380	1426	4.6	

A.	0.0 - 0.4		
B.	0.5 - 2.4	1	.03
C.	2.5 - 4.4	1	.23
D.	4.5 - 6.4	1	.01
E.	6.5 - 8.4		
F.	8.5 -		

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: MU 1405 057 Starting Mile Pt: 0.00

Sample No: 34 Ending Mile Pt: .09

County: D FREDERICK .09 = 475 ft

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	475	100	0	

A.	0.0 - 0.4	1	.09
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	475	0	

A.	0.0 - 0.4	1	.09
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: MU 1405 057
Sample No: 54
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 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-	____	____

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

Route No: MU 405 057
Sample No: 55
County: Frederick

Starting Mile Pt: 0.08
Ending Mile Pt: 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	104	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	104	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

UPDATE FORM - 1993

Route No: MU 1405 057 Starting Mile Pt: .31

Sample No: 56 Ending Mile Pt: .40

County: 10 FREDERICK .09 = 475 ft

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	475	100	0	

A.	0.0 - 0.4	1	.09
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	475	0	

A.	0.0 - 0.4	1	.09
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: MRJ 1405 057
Sample No: 58
County: Frederick

Starting Mile Pt: 0.31
Ending Mile Pt: 0.41
(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	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	528	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

Sean 1/20/93

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

Route No: MU 1405 057

Sample No: 56

County: (10) Frederick

Starting Mile Pt: 0.31

Ending Mile Pt: 0.40

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	475	100	0	

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	475	0 %	

CURVE - GRADE DATA COLLECTION

UPDATE FORM - 1993

Route No: MU 1575 057

Sample No: 57

County: 10 FREDERICK

Starting Mile Pt: 0.00

Ending Mile Pt: .08

.08 = 306 ft

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	306	100	0	

A.	0.0 - 0.4	1	.08
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		

Vertical Curve Section

Start Pt. (in ft.)	End Pt. (in ft.)	Gradient Percent	Length of Curve (in x.xx miles)
0	306	0	

A.	0.0 - 0.4	1	.08
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: MU 1575 057
Sample No: 57
County: Frederick

Starting Mile Pt: 0.00
Ending Mile Pt: 0.58
(0.58)

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)
S	0		100	0	
L	2203	2844	99.8	2.4	
R	2844	3060	99.9	1.2	
1	0	422	100	0	
2	0	264	100	0	
3	0	2158	99.8	2.4	
	2158	2374	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	594	0%	① 0	422	0
594	1125	−3.2			
1125	1590	+2.0	② 0	264	3.2
1590	2203	−7.1			
2203	2844	+1.2	③ 0	439	3.2
2844	3060	0%	439	904	2.0
			904	1517	7.1
			1517	2158	1.2
			2158	2324	

	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: MU 9040 057
Sample No: 58
County: Frederick

Starting Mile Pt: 0.54
Ending Mile Pt: 0.69
(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	790	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	790	+0.9	

	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: MU 9090 057
Sample No: 59
County: Frederick

Starting Mile Pt: 0.56
Ending Mile Pt: 0.69
(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	685	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	685	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-	____	____

11-15-72

ROAD INVENTORY SHEET

(20+21)

Party Chief FS
Recorder VH
Helper

Map No. 83-6 JE 3-8-84
AIT 8-28-81 JTBC

VER: TL&FR 8-19-76

FRED. CITY

Road No. 0090
Road Name BOUGHMANS LA
Sheet No. 1 of 2
Date 11-8-63
County FRED
State Coordinates

URBAN COLLECTOR	6 0 0 9 0 0 5 7	50	0.77		40' C-C 2m
		SHOOKSTOWN RD	0.70	1390	X 30' 2'C 2m
	X	X	0.57	ROCKCREEK DR MON 1300	X
	0 0 0 0 0 0 0	3-72' CMP	0.52		
	0 0 5 7 0 0 0			Waterford Dr	
			0.40	OP 544 e.00	44'
	0 0 9 0 0 5 7	Key Pkwy			C-C
	6 0 0 9 0 0	OP ~~1056~~ 482	0.29		2m
		ENT. SHOPPING CENT.	0.09		
	HPMS		0.05	MOTEL	
		W. PATRICK		ST	
		US	0.00	T.L. 40	

LINDEN AVE 0820

51.3-8
15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

3/16/89
DT, GD
(68-72)

ROAD INVENTORY SHEET

22+23

Party Chief: T. LANDON
Recorder: E. RHODES
Typer:

JE 12-16-15
AL
RM

Map No.:

Road No.: MUN. 0120
Road Name: N. BENTZ ST.
Sheet No.: 1 OF 2
Date: 8/27/76
County: FRED.
State Coordinates:

FRED.

URBAN	W. CHURCH ST. 0370	0	54 (A)	X
				40 C-C
ARTERIAL		0	46 NATIONAL GUARD.	X 2M
	W. 2ND 9021	0	45 TL ST. 9020	
	CHURCH	0	42	34 C-C
		0	CALVARY DR. 40 0230	X 2M
PRINCIPAL	W. 3RD ST. 9030	0	ROCKWELL TER. 36 TL 1303	85-E
		0	AL 36 32 8360	21 23 C-C
	W. 4TH ST. 9040	0	DILL AVE. 27 TL 0540	X 2M
		0	EVERGREEN PL 23 0610	
OTHER	W. 5TH	0	ST. 18 TL 9050	
	W. 6TH ST. 9060	0	MAPLE AVE 09 TL 0810	ONE WAY
	AL 55 8550	0	07	
	AL 56 8560	0	06	
	AL. 57 8570	0	03	
	AL 58 8580	0	01	36 C-C
	W. SEVENTH ST. MU	0	00 TL 9070	2M

FAV. 1 ROD

60' RC 570027 4 LANES

60' RC 570027 4 LANES

MOTTER AVE. 0120

84-DU
DT/CG
2-16-90

24

MARYLAND STATE HIGHWAY ADMINISTRATION

ROAD INVENTORY SHEET

Office Inv. TM

/ N.E.

FREDERICK City

Road No. MU 0360
Road Name E CHURCH ST
County FREDERICK
Date 3-28-89
Sheet No. _____ OF _____

LINE DIAGRAM

								TRAFFIC CONTROL	TRAFFIC COM/IND ACCESS	TRAFFIC PKG. REST.	PAVEMENT DATA
ONE WAY										AM PM	28' I
											JC-C
											2 ML
	EAST					ST					
	MU	0	31			0570	30				
	CHAPEL ALLEY					N CARROLL ST					
	MU 7020	0	18			MU 0260					
				MAXWELL		AVE					
AMERICAN LEGION	MU	0	10			0920					
CL		0	07								
		0	06			CO office					
											34' AI
	N. MARKET					ST					JCC
	← MD	0	00			355	←				2ML

W CHURCH ST
MU 0370

Ans 6037007.020

25 & 26

LINE DIAGRAM

SYSTEM				TRAFFIC			TRAFFIC			PAVE DA
FED. AID.	FUNCT. CLASS.	HWY. SYS.	HPMS SAMPLE	PKG. REST.	COM/IND ACCESS		CONTROL	COM/IND ACCESS	PKG. REST.	
NON FA URBAN	COLLECTOR		6036005700046	NP	E	Gas House Pike 0 76				
						20° 0 95				
					E	0 90				
						0 78				20' I 2 m
						Co RDS. GARAGE 0 77				
					E	0 75		E		
						0 72		E		28' I
						HIGHLAND ST 0 66 MM 0720				"J" C
										26' I "J" C
			6036005700013			PINE AVE MM 1190 0 61		E	NP	
					E	0 57		E		
						0 54		E		
						E Third ST MM 9030 0 50				34' I "J" C
				NP		E SECOND ST MM 9020 ONE WAY 0 44		E		
						N WISNER ST 0 37 MM 1590			AM PM	SA

ONE WAY

Revised

Coordinates

No./Dir.

SYSTEM | TRAFFIC

TRAFFIC
CONTROL | COM/IND | ACCESS | PKG. RESTR.

ROAD INVENTORY SHEET

(27)

Party Chief: T. LANDON
Recorder: F. RHODES
Helper:

Map No. _____

Road No.: MUN. 0390
Road Name: COLLEGE AVE.
Sheet No.: 1 OF 1
Date: 8/23/76
County: FRED.
State Coordinates:

FRED. — DICKINGER ST.

N. PATRICK →	0	61	1st ST. →
ALLEY 75 8750	0	55	EXIT SCHOOL 20' 32'
CARROLL	0	48	PKWY. 0250
CARROLL	0	45	CREEK SEE BR. SH. 1A
	0	40	ELEMING AVE. 0650
(A)	0	37	
N. ELM	0	33	ST. 9021
ALLEY	0	28	34 8340
ROCKWELL TERR. 1303	0	24	S. COLLEGE PKWY. 0410
ALLEY M/N	0	20	36 8360
ALLEY 35 8650	0	18	36'
DILL	0	14	AVE 0540
ALLEY 51 8510	0	10	
W. 5TH ST. 9050	0	06	14' 18'
ALLEY 76 8760	0	04	12'
PARK AVE MUN. 1130	0	00	14'

URBAN COLLECTOR
HPMS 0390 0510 1 1

ONE WAY

HPS (Rev. 1961)

4-10-71
GD/TM

ROAD INVENTORY SHEET

T. LANDON
F. RHODES
VERIFIED
8/23/76

Chief FS
Recorder JH
Chainman

Road No. 0430
Name W College Terr
Sheet No. 1 of 1
Date 11-12-63
County Fred.

Fred City

W. SOUTH ST
W. MU ~~MD 144~~ EB 1400 — MD144 ST. — TL — 36' I JC-C 3ML
~~MD144 FR~~ W 13 PARK 0.57
STUP's ~~ALLEY 41~~ LA. 0.54
1422 0.44 — A
Carroll PKWY 0.41 — EnT To Fred. High
0250
0.03/32' I C-C 0.38
URBAN COLLECTOR 60' R/W 5 6 7 8 9 10 25
Carroll 0.35 — See Br Sheet 1-A Creek
Fleming ~~ST~~ AVE
0650 0.32
20° W. 2nd 0.29 ST
0.25 9021 — 36 I JC-C 2ML
S College PKWY ALLEY ~~PKWY~~ 28
0410 8280 — 25 I C-C
0.20
0.13 — 20°
0.05
one WAY
FREEDOM DR.
~~ALLEY 29~~ 0675
Alley 29.
0.04 8290 — 20° — 32' I C-C
Rosemont Ave
MV 0.00 1310

ROAD INVENTORY SHEET

(29)

Chief T. LANDON
Leader E. RHODES

Map No. _____

Road No. MUN. 0540
Road Name DILL AVE.
Sheet No. 1 OF 1
Date 8/19/76
County FRED.
State Coordinates _____

FRED.

W. 4TH ST.

N. BENTZ ST.
MUN → 0 38 → 0120

N. BENTZ ST.
→ 0122 0 37

CHURCH 0 32

DULANEY AVE.
0 24 0550

ELM ST.
0580 0 19

COLLEGE AVE.
0 11

ALLEY 36
0390 0380

0 06

N. COLLEGE PKWY
0400

ENT. HOOD COLLEGE 0 00 UPPER COLLEGE TERR.
MUN. 1480

ROSEMONT AVE
MUN. 1810

URBAN MINOR ARTERIAL

FAU 2810 0.5 MI. 0.5 MI. 0.5 MI. 0.5 MI. 0.5 MI.

41' I
JC-C
2M

ROAD INVENTORY SHEET

4-10-91
GD/TM

Chief FS
Order JH
Team
A/T 80-30
J.E. / D.G.
7 APR. 81

T. LANDON
F. RHOLES
VERIFIED
8/20/76
Fred. City

Road No. 0640
Name Fairview Ave
Sheet No. 1 of 21
Date 11-8-63
County Fred

8/21

W. 13th AVE

Motter Ave
MUN. 0 97 1020

30' HPMS 6 0640057000 83

Oakwood Dr 1110
0 94
0 91

W 12th ST 9120
0 87 SS 30I JC-C 2ML

0 83

COLUMBINE DR
ENT TO APTS 0 71 W. 9th ST
0 66 MU 9090

GRAYSTONE DR 0 63 E 2ML
ENT TO APTS 0 58 E
0 52 E 30C JC-C 30CW 23ML

W. 7th ST 9070
0 46

Atlantic Ave 0060
0 34

Belmont Ave 0112
0 22

Evergreen Ave 0620
0 11

COLLECTOR URBAN HPMS 6 0640057000 00

ROSEMONT Rosemont Ave AVE
MUN. 0 00 1310

30'I C-C

ROAD INVENTORY SHEET

MUN. No. 0660

T. LANDON
F. RHODES
VERIFIED
8/26/76

Chief F2
J12

Road No. MD 144 EB
Name FRANKLIN ST.
Sheet No. 2 of 2.
Date 11-12-63
County Fred.

REV 3/17/
DT/GD
(87 EXTRA #)

E PaTrick	ST	
MD	188	144 FA. (E.B)
		Bernard ~~Alley~~ ST.
	176	
Ch	174	E. SOUTH ST. ~~Franklin ST~~ MU 1405
	166.5	Beg Franklin ST
Hamilton Ave		
	155.	
	154	
	141	
	131	
	127	
S. Wisner ST		
	126.	
Alley ?		
	121	
Water ST		
	118	
	111	

OTHER DRIN NAT LIGHT

FAU 7802

HPMS

SOUTH ST

30' I C-C 2ML

29' I C-C

40' I C-C

31' I Curb

OB/BB

33

MARYLAND STATE HIGHWAY ADMINISTRATION

ROAD INVENTORY SHEET

office Tm.

Dir. / NE

rdinates FREDERICK City

Road No. MU 0676
Road Name GAS HOUSE PIKE
County FREDERICK
Date 3-28-89
Sheet No. ______ OF ______

TRAFFIC
REST.
COM/IND. ACCESS

LINE DIAGRAM

TRAFFIC
CONTROL
COM/IND. ACCESS
PRKG. REST.

PAVEMENT DATA

0 95 60°

PVT Rd. FREDERICK Waste Water ~~[illegible]~~ E

0 92 treatment PLANT ~~[illegible]~~ E

30° 0 85

20° 0 52

20' I
2 ML

20° 0 00

℄ Patrick ST
MU 0360

(34)

LINE DIAGRAM

SYSTEM: FED. AID.	SYSTEM: FUNCT. CLASS.	SYSTEM: HWY. SYS.	SYSTEM: HPMS SAMPLE	TRAFFIC: PKG. REST.	TRAFFIC: COM/IND ACCESS				TRAFFIC: CONTROL	TRAFFIC: COM/IND ACCESS	TRAFFIC: PKG. REST.
								LINGANORE RD			
						3	50	Co 414			
		Co 413						Co 413			
								FLEDGLICK			
						2	36	SIGN; BEGIN Co. MAINT			
						1	82	36" cmp			
	Minor Collector Rural										
						PT	1	47			
								FC 13			
							1	37			
						80° MONACACY	1	32	RIVER		
							1	27			
								2@ 3' J' C-C 2-3' J' WALKS			
FAC						P.C	1	26			
NAI	Collector Urban		304130000169								
							1	05			
			HPMS								

Rollinghous
Op Mun

STATE HIGHWAY ADMINISTRATION OF MARYLAND

(35)

REV 3/17/80
DT/GD
(87-11)

90-17
4-10-91
GD/TM

ROAD INVENTORY SHEET

Chief T. LANDON
F. RHODES

Map No. _____

81-ENTER
JE-CM

8-23-84 KJP

Road No. ~~Co.~~ MUN 0714 ~~180~~
Road Name HAYWARD RD.
Sheet No. 1 of 2
Date 6-25-76
County FREDERICK
State Coordinates 683-591

		AMBER DR		
	0	63	OP 332	80°)
	0	60		PC
D6-Board of Education	0	59		
				~~20' H~~
				~~20' CM~~
L6-Board of Education	0	55	E	X
H	0	52		
		MILLSTREAM DR		
	0	47	MUN 993	
H	0	45		
H	0	41		
	0	35	ENT TO SCHOOL	
(20°	0	32	H	
~~(NO NAME)~~ BYTE DR	0	30		F-500 ~~18' I~~
OP ~~1073~~ 499	0	28	OP 566	~~20' CM~~
60" CMP	0	24		X
ABERDEEN RD CO 1309	0	19		
	0	15		
MORNING DEW LA.				
Co. 1184	0	13	48" CMP	
		OLD SECT. CO. 180		
	0	10	Co. 1105	
		HONEY CLOVER CT		
	0	0~~2~~6	PROPOSED	~~(77-83)~~ ~~44' I~~ ~~22' I~~ JC-C ~~30' CM~~ 4ML
OPOSSUMTOWN			PIKE	
Co.	0	00	176	
AUTUMN LEAF LA.	0	11 80		

URBAN COLLECTOR
FAU 7817
HOMS

SHA 51.3-8
11-15-72

(36)

ROAD INVENTORY SHEET

Road No. ~~Co~~ MUN ~~180~~ 0714
Road Name
Sheet No. 2 of 2
Date
County FREDERICK
State Coordinates

MD 85

US 0 96 15 ft 12

MD. 806 N 0 95 H

0 94 12'

0 92

0 90

PARKING LOT 0 86

~~HAYWOOD~~ THOMAS ~~THOMAS~~ JOHNSON DR.

~~62~~ ~~193~~ MU 0 82 ~~MUN~~. 1456

B- ELECTRONICS 0 80

B- PLASTICS 0 73

E 0 70

Co. 2007 0 66

PT ~~40°~~ 80°

URBAN COLLECTOR ~~MUN~~ FAU 7817

301800000086 (2)
301800000092
301800000086 (1)
301800000082

ROAD INVENTORY SHEET

MUN. No. 0760
S. JEFFERSON ST.

T. LANDER
F. RHODES
VERIFIED
8/23/76

Chief FS
Leader JH
Foreman

3-16-89
DT GD
(87-5/6)

Road No. 15 ~~210~~
Name Jefferson St.
Sheet No. 14
Date
County Fred

87-
87-

73-15

CS 10-26 P

US 40

US 40

FREDERICK

CORP LIMITS

PROSPECT AVE

Begin FAU

SEC BOUNDARY Maint

TL ENT. PROSPECT PLAZA SHOPPING CENTER

E

0.01/18' C-C

CaTocTin Ave

TL

E Scholls La.

Columbia Ave

W. South MD

W. Patrick MD

ENT. SCHOOL

STUP's LA.

ENT TO PKG

Carroll MV

DKWY

FAU 7801

S. JEFFERSON ST.

MUN. LINE

FREDERICK

STATE

44' I C-C 2M

40' I C-C 2ML

36' I C-C 2M

34' I C-C 2ML

30'

Non FAU

MARYLAND STATE HIGHWAY ADMINISTRATION

Frederick City

ROAD INVENTORY SHEET

(40)

E.S
JH
Rev: 6-5-91 JTS
Dir. / //
Jmates

Road No. MUN 1020
Road Name MOTTER AVE
County FREDERICK
Date 10-23-63
Sheet No. 1 OF 1

TRAFFIC PKG. REST.	TRAFFIC COM/IND. ACCESS	LINE DIAGRAM	TRAFFIC CONTROL	TRAFFIC COM/IND. ACCESS	TRAFFIC PKG. REST.	PAVEMENT DATA
		N FRED ELM SCH 0.43				
		0.38 (A)				
		W. 10th MUN 0.31 ST 9100				40' Icc 2mL
		W 9th MUN 0.22 ST 9090				
		one way				
		SHARPE'S LA MUN 1365 0.19				
		NORTH ST MUN 1070 0.09				36' Icc 2mL
		W 7th MUN 0.00 ST 9070				
		N BENTZ ST 0.20				

610200570396

(4)

SYSTEM					TRAFFIC		LINE DIAGRAM	TRAFFIC			PAVI
FED. AID.	FUNCT. CLASS.	HWY. SYS.	HPMS SAMPLE		PKG. REST.	COM/IND ACCESS		CONTROL	COM/IND ACCESS	PKG. REST.	
MINOR ARTERIAL URBAN	FAU 7805		6 10 20 0 5 70 354				CROSSTOWN PIKE KY 778				
							~~US 091 15~~				
							0.83				
							PINEWOOD DR MUN 1200 0.81 TO US 15				
							0.79				
							0.76 ENT SCHOOL				
							W 14th ST MUN 0.72 9140				
							FREDERICK AVE 0.66 MUN 0670				
							ALLEY 12 0.64 MUN 8120				
							FAIRVIEW AVE MUN 0640 0.60 W 13th ST MUN 9130				
							ALLEY 13 0.55 MUN 8130				
							W 12th ST MUN 0.52 9120				

MARYLAND STATE HIGHWAY ADMINISTRATION

ROAD INVENTORY SHEET

42

R BUSH
REW 6-4-91 JTS

Dir. S
Coordinates FREDERICK CITY

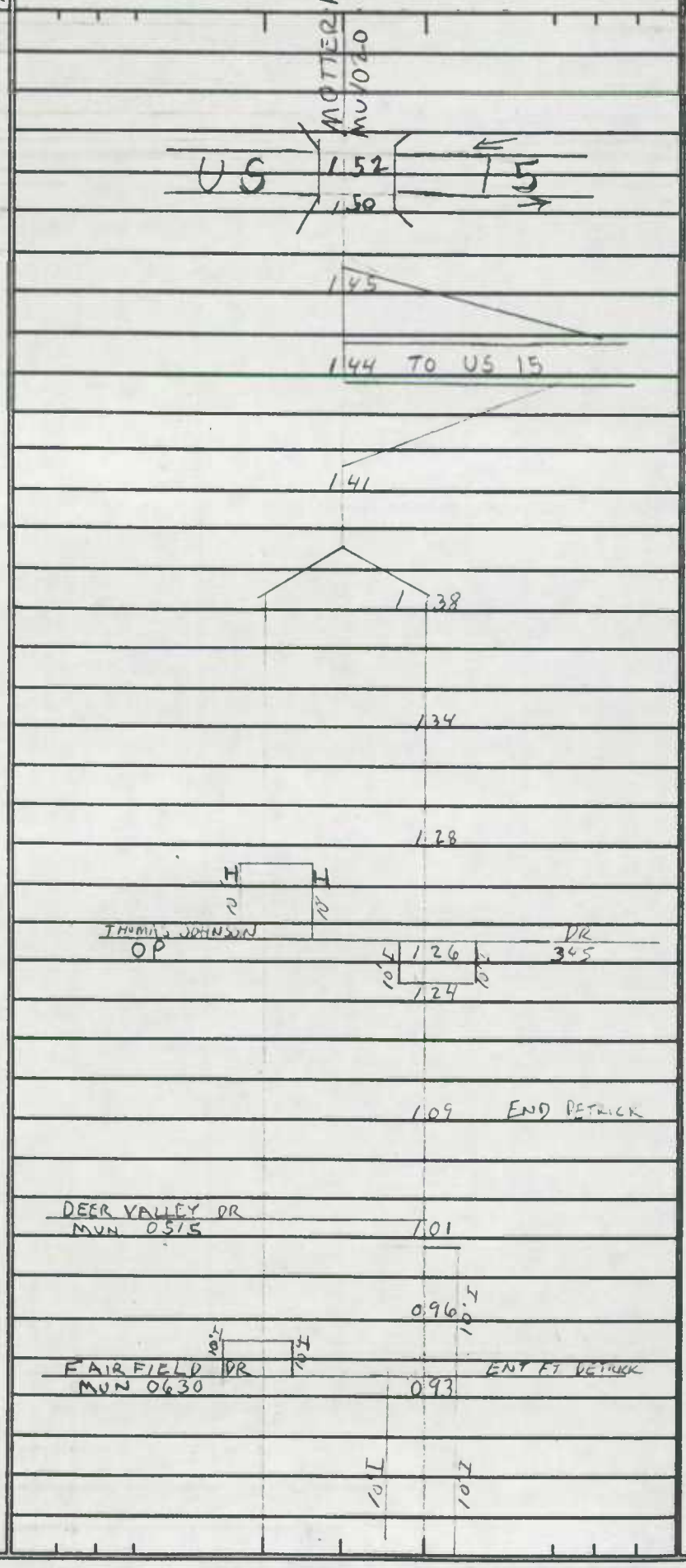
Road No. MU 1118
Road Name OPOSSUMTOWN PIKE
County FREDERICK
Date 8-22-63
Sheet No. 1 OF 2

TRAFFIC		LINE DIAGRAM	TRAFFIC			PAVEMENT DATA
PKG. REST.	COM/IND. ACCESS		CONTROL	COM/IND. ACCESS	PKG. REST.	
		10' 10' 0.89				
		AMBER DR OP 332 0.63				
		30° 0.52 BEG DETRICK				
		0.34 SR 19				
		0.15 SR 18				
		0.11 FREDERICK	TL			2-24' I
		40° Limits 0.05				4 S.C.C
		0.03				10' GR PWK
		0.02				4mL
		COPE 10' 10'				
		HAYWARD RD MUN 0714 0.00 AUTUMN LEAF LA CO 1180				
		0.17				
		0.20				

43

SYSTEM				TRAFFIC		TRAFFIC		
FED. AID.	FUNCT. CLASS.	HWY. SYS.	HPMS SAMPLE	PKG. REST.	COM/IND ACCESS	CONTROL	COM/IND ACCESS	PKG. REST.
	2							

LINE DIAGRAM



MINOR ARTERIAL URBAN
FAU 7805
30176000045 8

SHA 51.3-8
11-15-72

(44)

ROAD INVENTORY SHEET

Road No. 1390
Road Name SHOOKSTOWN RD
Sheet No. 2 of 4
Date 8-20-63
County FRED.
State Coordinates 582-678

	URBAN COLLECTOR HPMS		4 H	1 00				
				0 92	MONTEVUE MUN LA 1015	40°		
		1390		0 78		H		
FA				0 65				
NPA	URBAN LOCAL	MUNICIPAL	H	0 64		C	H	
				0 59				
				0 52				
				0 43	JACOB BRUNNER	9	H	
				0 37				

SHT. 3-8
1-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

ROAD INVENTORY SHEET

Chief FS
JH

Map No.

Road No. MU 1390
Road Name Shookstown Rd
Sheet No. 3 of 4
Date 5-20-63
County FRED
State Coordinates 582-678

9-1-81 JTBC FRED CITY

URBAN COLLECTOR

		1	91
	WAVERLY ~~Waverly~~ Dr ~~ELMWOOD DR~~		FAU BOUNDRY
	MU 1548 ~~SP 1-21~~	1	73
	ROCK 10 TON LIM	1	70 CREEK
	F	1	44 F
	25'	1	33
		1	29 ← DR
	H	1	14
	WILLOWDALE DR. ~~MU OP 462+575~~	1	11
	~~ELKS LODGE~~ 69.90	+	~~10~~
	4 H	1	04

URBAN COLLECTOR
HPMS 61390057 0038
MUNICIPAL 1.39

40')

SA

DR

K 51.3-8
15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

(87-EXTRA #2)

89-27
DT/CG
2-16-90 (45)

86-21 & 2!

ROAD INVENTORY SHEET

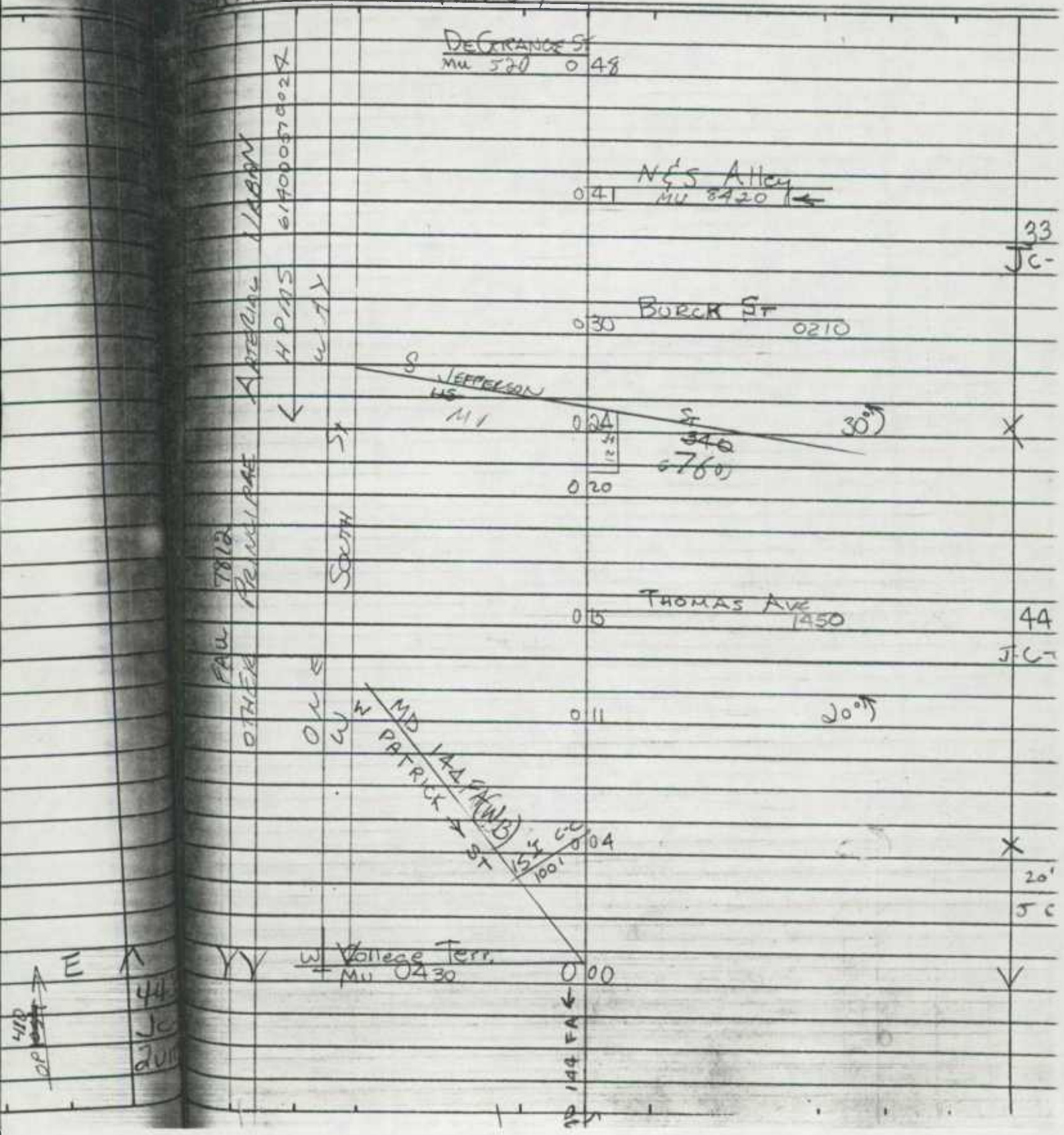
Party Chief FS
Recorder JH
Helper

Map No. VER 76 TRE FR

Road No. MU 1400
Road Name E&N South St
Sheet No. 1 of 4
Date 11-12-63
County FRED.
State Coordinates

DT
CA
4-23

Sheet 9-1-81 JBC FRED City



SHA 51.3-8
11-15-72

(46-49)

ROAD INVENTORY SHEET

Road No. 1400
Road Name E SOUTH ST
Sheet No. 2 OF 4
Date 10-12-03
County FRED
State Coordinates

			1.18	RxR	
		WATER ST 1540	1.16		B.S.
			1.15		E
			1.11		
			1.07	WINCHESTER ST 1580	NP
NP		S CARROLL ST 0260	1.01		TL
			0.96		
		S MARKET ST MD	0.83	355	
			0.78		
		ICE ST 0740	0.76	BROADWAY 0200	
			0.64	McMORRY ST 0930	
		S BENTZ ST 0120	TL 0.54	CENTER ST 0310	

OTHER PRINCIPAL ARTERIAL URBAN

HARRIS 6400 0700 96 TRAFFIC

HARRIS 6400 0500 0054

BEGIN 2 WAY E SOUTH ST

ONE WAY W SOUTH ST

1-15-72

ROAD INVENTORY SHEET

50-53

Party Chief FS
Recorder JH
Helper

Map No.

Road No. MU 1400
Road Name E SOUTH ST
Sheet No. of
Date 11-12-63
County FRED
State Coordinates

Mit. 9-1-51 JTC

FRED CITY

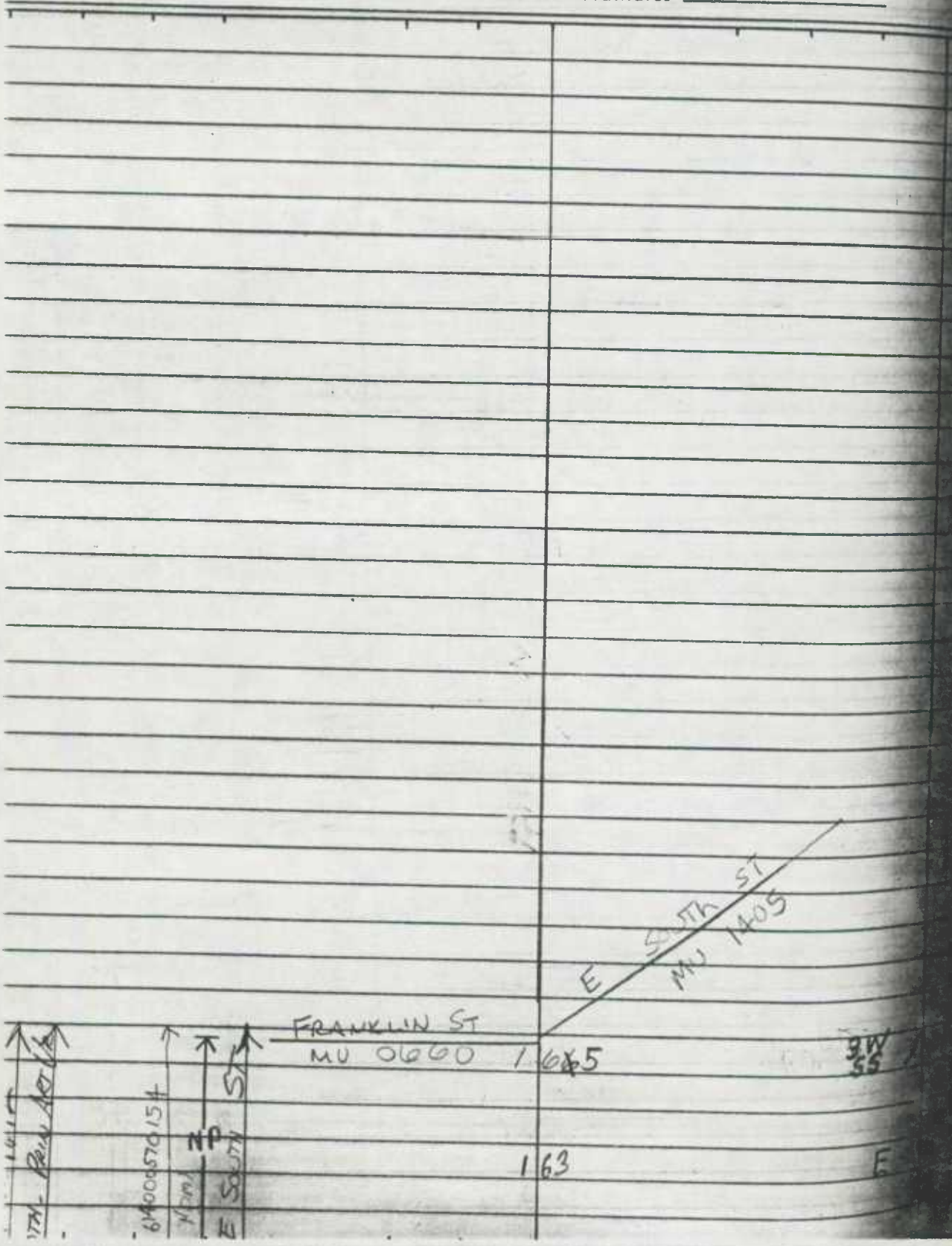
162 E
RXB 1 ~~58~~ 60 29 JC-2m
NP
HAMILTON AVE 0710 155
RxR #BO 140 465 W
154
ALLEY 43 F430
40'
RxR 1 ~~45~~ 67 RXR
146
2m
142
RxR #BO 140 464 P
141
137 E
137 E
134 RxR
RxR 132 ~~RxR~~
Elect Sub Sta 131
130
RR #BO 140 463 H
S WISNER ST 0 1590 126
124
30'
Alley 84 88401 21
36' J-C 2m
N.P.
NP

FAU 7812 OTHER PRINCIPLE ARTERIAL URBAN
6400057 0127 HPMS
6400057 0141 HPMS
6400057 0054 HPMS
NB
SOUTH
BS.
E
NP
TL

SHA 51.3-8
11-15-72

ROAD INVENTORY SHEET

Road No. MU 1400
Road Name E South St
Sheet No. 5 of 5
Date 11-12-63
County FRED.
State Coordinates



Revised

MARYLAND STATE HIGHWAY ADMINISTRATION
Frederick City
ROAD INVENTORY SHEET

54+55

of E. Schuyler
J. Horsham
Rewritten 2-22-91 KJP
/Dir. C-9 / S
oordinates

Road No. Mun 1405
Road Name E. South ST
County Frederick
Date 9-24-63
Sheet No. 1 OF 2

89-27

TRAFFIC PKG. REST.	TRAFFIC COM/IND. ACCESS	LINE DIAGRAM	TRAFFIC CONTROL	TRAFFIC COM/IND. ACCESS	TRAFFIC PKG. REST.	PAVEMENT DATA
		I 0 31 70 WB/L				
		#10106				
		(Monocacy Blvd) Walsor Dr Ext.				
		Mu 0996 0 28 Co 2011				24' I
						2-8' E shd.
						2 ML
		0 24			X	
		0 22 GenStar		E		30' I
						Jcb. RT
						2 ML
		0 16			X	
		0 10				
						30' I
	E	0 09		E		40' CW
						2 ML
		0 08			X	
	E	0 06				
						29' I
		Franklin ST				Jc-c
		Mu 0660 0 00 E. South ST Mu 1400	SS			2 ML

(56)

SYSTEM				TRAFFIC		LINE DIAGRAM	TRAFFIC			PAVE DA
FED. AID.	FUNCT. CLASS.	HWY. SYS.	HPMS SAMPLE	PRKG. REST.	COM/IND ACCESS		CONTROL	COM/IND ACCESS	PRKG. REST.	
						Reichs Ford Rd				
						Co 373				
						(Site of old Corp limits) 0.42				
						Ramps To & From I-70 0.41 Genstar		E	X	
FAU 7812	Urban Collector	61405057 0032	HPMS			I 0.32 70 EB/L				
						#10106				
						18' + V.C 50' ? Top				

Map No

Chief

der

Postc

51.3-8
1-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND OP 462

ROAD INVENTORY SHEET

Mu 1575 (51) 3-23/8 DT/GD. (87-23 EX BB/BE 10-17-

Party Chief: D. TAYLOR T. LANDON
Recorder: A. ZALENSKI
Helper: VE. IFIE 8/19/76

Road No. ~~OP 124~~
Road Name: WILLOWDALE DR
Sheet No.: 1 OF 1
Date: 3-14-75
County: FRED.
State Coordinates: 672 - 578

Map No. 13

FREDERICK

PC 0.65

CONEWAGO DR.

MU 0455 0.62 @.08

SCHAFFER ~~DR~~ ~~PROP~~ DR.

~~OP~~ 0.55 MUD 0.52 MU 1327 55 @.19

15 PRC

0.51 PRC

~~ROAD END~~

LITTLE BROOK DR. ~~0.26~~ 50°

E TO APTS 0.44 TO APTS E ~~12'E~~

0.39 PC ~~16'~~

~~0.31~~ *

0.36 12' MULTIPLATE PIPE ~~12'~~

E TO APTS 0.26 0.23 TO APTS E ~~18'~~

KEY ~~0.11~~ PKWY *

MU ~~OP~~ 0775 0.20 OP 481 @.97

0.13 REAR ENT TO SHOP. CTR.

0.08 ENT TO SHOP. CTR.

W. PATRICK ← ST. 0.68 → BAUGHMANS LA 40'

U.S. 0.00 40 TL

@12.32

LINDEN AVE

COLLECTOR URBAN 4 P 4 S

COLLECTOR

SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

A|T 88-53

58

ROAD INVENTORY SHEET

W. 4TH ST.

Party Chief T. LANDON
Recorder F. RHODES
Helper

Map No.

Road No. MUN. 9040
Road Name E. 4TH ST.
Sheet No. 1 OF 1
Date 8/23/76
County FRED.
State Coordinates

FRED.

51-11

DALE ST. A/G 0540

N. BENTZ MUN	0	69	ST. 0120	
KLINE HARTS	0	61	ALLEY 7030	
N. MARKET MD.	0	54	ST. 355	
MAXWELL	0	44	AVE. 0920	
CHAPEL	0	36	ALLEY 7020	
CEM.	0	27		36' I J'C-C
EAST	0	23	0570 ST.	36' H J'C-C
DEMOCRATIC CLUB	0	17		24' H J'C-C
	0	11		30' CU
	0	01		20' H
PINE MUN	0	00	AVE. 1190	26' CU

W. 4TH ST. URBAN MINOR ART FAU 7810 HOMES

COLLECTOR URBAN NON FA

MIXED

PC 541 3082

ONE WAY

40'

SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

4-10-91
GD/TM

59

ROAD INVENTORY SHEET

W. 9TH ST.

Party Chief: T. LANDON
Recorder: F. RHODES
Helper:

Map No.: A/T 81-02

Road No.: MUN. 9090
Road Name: E. 9TH ST.
Sheet No.: 1 OF 2
Date: 8/27/76
County: FRED.
State Coordinates:

FRED.

URBAN OTHER PRINCIPAL ARTERIAL — W. 9TH ST. — FAU 7806 — 4 LANES — 6909005702056

URBAN COLLECTOR — EAST — MUN — FA — LOCAL — CHAMPAY

0.62	MOTTER PL. 1030	ONE WAY	
0.60	CHURCH		
0.59	AL 59 8590		30' I
			JC-C
0.56	N. MARKET ST. → MD. 355		X 2M.
0.52	AL IT ALLEY 8170		
0.36	MUN 7000		
0.33	EAST ST. 0570		
0.32	PC 517851 D		30' I
	AD. C		C-C
0.31	0220		X 2-2'
			16 GA
0.27			X 64'
			C-C
0.22			X
0.20	PONTIAC AVE 1240		
0.15	PINE T T		
0.13	1192 AVE.		
0.12	SEMINOLE 1360		
0.07	CHEROKEE TR 0330		
0.02	SHAWNEE DR. 1370 MUN.		40'
			C-C
0.00	ROAD END		

SHA 51.3-8
11-15-72

ROAD INVENTORY SHEET

Road No. MUN. 9090
Road Name W. 9TH ST.
Sheet No. 2 OF 2
Date 8/27/76
County FRED.
State Coordinates

FAIRVIEW AVE
MU 0 99 0640 SS

SELWYN DR
0 90 ENT TO APTS

TOLLHOUSE AVE
MU 1460 0 86

SELWYN DR
0 81 ENT TO APTS

MOTTER AVE.
MUN. ← 0 69 1020 SS

AL 60.
0 66 8600

OTHER
SINGLE
ARTERIAL

MINOR ARTERIAL

EA
NON EA

EAU
800
ALPHA

NE WAY

SE

A 51.3-8
1-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

ROAD INVENTORY SHEET

Party Chief: T. LANDON
Recorder: F. RHODES
Helper:

Map No. 2

79-31

Road No. CO. 43
Road Name HARNEY RD.
Sheet No. 1 OF 4
Date 6/15/76
County FRED.
State Coordinates 712-681

					22'I 2-3'ESH 36'CW 2ML
		0 90	H	10°↑	X
		0 82		15°↑	
APT		0 66			
25° WELTY CO.	42 RD.	0 63			
PC		0 61			
		0 51		72" CMP	
	F	0 48			
		0 29	H		
	H	0 28			
		0 18			
	4 H	0 12			
		0 08	4 H		
		0 05			22'H 28'CW 2ML
		0 03			X 22'I 2-2'ESH
	MD.	0 00	140 97		30'CW 2ML

NON IFA
RURAL MINOR COLLECTOR
HPMS

ELMIT
LACONIA DR
ID 9044

51.3-8
15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

FAR

ROAD INVENTORY SHEET

(2)

Party Chief R. Bush — T. LANDON
Recorder
Helper — F. RHODES

VERIFIED 6/15/76

Road No. C063
Road Name KEYSVILLE Rd.
Sheet No. 1 OF 4
Date 8-9-63 REVISED 8-8-74
County FRED.
State Coordinates 706-676

Map No. M1#2

79-42

87-3

		086		20
	CREAMERY Rd			
	Co 62	080	Co 60 DRY BRIDGE Rd	F
	H	056		
		053		30
	H	050		
35°		047		
		042		H
		037		H
		026	DRAIN	
		023		H 30°
80°		017		
		003	MOTEL	
		001	~~Gas Sta.~~ B-LIQUOR	72-30 20'&I
	OLD FREDERICK Rd			20'cw
	Co 64	000		ZML

HPMS

NON FA COLLECTOR

RURAL MINOR

SHA 51,3-8
-15-72

ROAD INVENTORY SHEET

Road No. Co 63
Road Name
Sheet No. 2 of 4
Date
County
State Coordinates

			FOUR POINTS Rd CO 57	12'G 20'CW
		228	80°	X2-3'E
30°		223		
		217	DRAIN	
	F	207		
		181	40	
		179	F	
		172	F	
0°	H	163		
	F 1000'	161		
	H-400'	156	H	
	H	152		
		144	~~CBC~~ ~~4x6x18~~ D L CW 24"CMP	
		121	F	
	H	108		
		106		
50°		102		

RURAL MINOR COLLECTOR NON FA HOMES

SHA 51.
11-15-72

Party Chi
Recorder
Helper

Map

COLLECTOR

20°

20°

NON FA RURAL MINOR

30°

TO

MARYLAND STATE HIGHWAY ADMINISTRATION

ROAD INVENTORY SHEET

(3)

Chief FS
JH
Revision JF 1-3-89
Dist./Dir. 1 N
Coordinates 697-634

Road No. CO 64
Road Name OLD FREDERICK RD
County FREDERICK
Date 10-14-63
Sheet No. 1 OF 5

TRAFFIC		LINE DIAGRAM			TRAFFIC			PAVEMENT DATA
PKG. REST.	COM/IND. ACCESS				CONTROL	COM/IND. ACCESS	PKG. REST.	
			0 34	CBC- 5' x 16' x 28'				
			0 32	CBC 7' x 3' x 28'				
		F	0 77	F				
			0 67	DC				
		H-620	0 40					
			0 16	EASTON RD CO 542				
			0 03					77-105 20'I
		MD	0 00	550				

SYSTEM				TRAFFIC		LINE DIAGRAM	TRAFFIC			PAVE
FED. AID.	FUNCT. CLASS.	HWY. SYS.	HPMS SAMPLE	PK'G. REST.	CON/IND. ACCESS		CONTROL	CON/IND. ACCESS	PK'G. REST.	
FAS 1067	RURAL MAJOR COLLECTOR		HPMS							

2 16 30°

#F0402

COVERED BRIDGE

2 15

10 TON LOAD LIMIT

PICNIC AREA 2 14

RXR 2 04

FLASHING LIGHTS RR SIGN

1 98 MMID 8-1 751 R

1 89 RXR

OLD MILL RD

1 85 CO 544

1 61

1 49

1 43 NEW SUP RD CO 740

OVERHEAD POWER 1 30 LINES

F 1 07

Form 6 HPS (Rev. 1961)

(415) ✓

ROAD INVENTORY SHEET

Party Chief T. LANDON
Recorder W. WARFIELD
Chainman

LANDON
F. RHODES
VERIFIED

M13 : REV. 3/17/78 7/19/76

Road No. Co. 226
Name MT. PHILLIP RD
Sheet No. 1 OF 4
Date 2-19-69
County FREDERICK

(175- 577)

ALT
84-44

NON FA RURAL MINOR COLLECTOR		0 76		
	E-B	0 74	LA - 70 LA	
	W-B I		BOUNDARY	
	27' JC-C FAU	0 72		
		0 71	1967 ER # 10126	
PT	H-400	0 65		
48° HP/11.5	RADIO STATION (WZYR ~~WRMM~~)	0 62		
PC		0 54		
	BUTTERFLY		LA.	
	Co.	0 51	227	
		0 49		
	3 H			
	Teal LA	0 45		
	OP 521	0 43		
		0 41		
	4 H			
NON FA URBAN COLLECTOR		0 35	20°	
	H	0 29		
20°	END V.F.W. GOLF COURSE	0 27		
		0 05	H 60" CMP.	20' I
				2-2' ESA
	BEG. V.F.W. GOLF COURSE	0 01		30' CW
				2 ML
		0 00		
	ALT US		40	

Form 6 HPS (Rev. 1961)

(6)

ROAD INVENTORY SHEET

Party Chief FS
Recorder JH
Chainman

Road No. Co227
Name
Sheet No. 2 of 3
Date 8-27-63
County Frederick

	F	193	F 800'	
	H	187		
LOCAL	H	185		
URBAN	H	182		
	H	179		~~H'~~ H
X	MT Phillip		Rd	~~18'~~
	Co	177	226	
				22' I
		174	H	~~18' I~~
				30' CW
	Monarch Ridge Rd.	171		X 2 ML
	OP 514	169		28' I
	H	164		~~24' I~~
				Curb R
		163		X 2 ML
COLLECTOR URBAN	H	162		
HPMS	Co 572		D H	
	~~[illegible]~~ MONARCH ~~[illegible]~~ Rd.	159		
		158		34' I
				C-C
		151		X 2 ML
	Proposed			~~24' I~~ 2
	13 H	142		Curb RT
				30' CW
		133		X 2 ML
		130		
				Same

STATE HIGHWAY ADMINISTRATION OF MARYLAND

7

ROAD INVENTORY SHEET

Party Chief T. LANDON
Recorder F RHODES
Helper REWRITTEN 9-30-77 CFM

Map No. M 19+3

Road No. CO 281
Road Name LANDER RD
Sheet No. 3 OF 5
Date 7-14-76
County FREDERICK
State Coordinates 647-536

FR COLLECTOR		328	~~C7~~
	9 H ↓ HPMS	322	~~15'6~~ ~~20'C~~ ~~X 2m~~
		317	
	T — T	312 T — T	
MAJOR MINOR	T — T	306 T — T	
		SEE GR SHEET 1-B	
		285	
		277 40°↑	
RURAL		269 DR	20'C
	MD	464	20'C
		262	X 80'
	F	258	
	↑45°	252	
		244 DR	
		222 DR	
		219 H	
		216 H	
		208 45°↑	
	↑20° H	185	SAM.

SHA 51.3-8
11-15-72

ROAD INVENTORY SHEET

Road No. CO 281
Road Name
Sheet No. 4 OF 5
Date
County
State Coordinates

	4 70	F-1000'	
H	4 52		
	4 51	H	
F-350'	4 49		
	4 44	SEE BR. SHEET 1-C	
	4 23	F-1000'	
	4 21	H	
	4 09	H	
SIGLER RD CO 283	3 96		
H	3 95	H	
H	3 93		
20° F	3 77		
	3 74	CBC D-5', L-14', W-26'	
		FRY RD	
	3 72	CO 282	90°
30° F	3 62		
	3 50		
	3 41		
3 H	3 35	300'-F	
	3 31		
OVERLEA CT CO 646	3 29		

NON FA MINOR COLLECTOR RURAL

HOMES

SHA 51.3-8
11-15-72

Party Chief
Recorder
Helper

Map No

FAS 1078 RURAL MINOR COLLECTOR

NON FA RURAL MINOR COLLECTOR

HPS (Rev. 1961)

(8)

ROAD INVENTORY SHEET

Party Chief: T. LANDON
Recorder: W. WARFIELD
Helper:

Road No.: Co. 287
Road Name: MOUNTVILLE RD
Sheet No.: 5 OF 8
Date: 1-12-71
County: FREDERICK

M 13 & 19

649-556

PT			4	4750	F	X
35°		H 600'	4	39		
PC			4	38	4 H	DR
			4	32		
				RUSSELL AVE		
			4	31 Co. 664 · 71-1		
			4	30		
			4	29	4 H	PT 20°
			4	24		PC
			4	10	H	
		H	4	09	F-500'	
			4	06		DR.
		H	4	02		
PT 30°		H	3	97		8.00 I
PC			3	91		20' H
				CREEK ~~RD~~ PIKE		30' CW
		BALLENGER Co.	3	72 294	15°	X 2ML
			3	64		

FAS 1078
RURAL MAJOR COLLECTOR

HANNS

20' ~~16'~~
26' CW
X 2ML
81-77

CAMF

HA 51.3-8
1-15-72

(9)

ROAD INVENTORY SHEET

Road No. CO 294
Road Name Gallenger Creek RD.
Sheet No. 6 OF 6
Date
County Frederick
State Coordinates

351

	H	677	END CO MAINT
	H	668	36"C
		664	X
	H	661	CEMETERY
	CHURCH	659	X
	F-700'	657	
	CEMETERY	656	
		653	60"CP
	~~GOOK~~ MANOR RD		~~MANOR~~ WOODS RD
	CO ~~329~~	622	~~CO~~ 308
	F	618	
	AGRO DR	615	60"CP
	CO (88-1) 1334	608	
	UNDERGROUND	570	CABEL
			GATE OLD CO 308 ABANDONED
		554	
	CAP STINE RD		
	CO 289	539	
	TUSCARORA	537	~~BR. SHEET 1-A~~ CREEK ~~15 TON LIMIT~~
	PT #F0102	534	

RURAL
FH
NON COLLECTOR
MINOR
APMS

ROAD INVENTORY SHEET

(10)

Party Chief
Recorder
Helper

Map No. MA#13

Road No. Co 324
Road Name NEW DESIGN Rd.
Sheet No. 5 OF 6
Date
County FRED
State Coordinates 665-520

	WB			
	EB I	1069		
		1068	BRIDGE # 10110	
		1067	28' J C-C	
		1066	LA 270	
		1065	LA 1955	
URBAN COLLECTOR	BUILT by STATE	1062		
	RVT Rd. ~~MD 414B~~			22'H
	F 1500'	1060		30'Cu
		1055	FOXCROFT DR	X
		1052	CO 1177	
	H	1050		
	F 2000'	1048		
	~~RESTWOOD VILLAGE BLVD~~	1037	VILLAGE BLVD.	
	CO ~~1179~~	1035	1179	
		1028	DRAIN	
LOCAL	F 1000'	1022	H	
	ARBOR DR	~~1015~~ 1015	LADDLAF	
	OP 3386	1008	OP 589	
	F 800'	978		
		976		
RURAL	~~F 1000'~~	960		67-4
				20'H
				26'Cu
	H	955		X
	Corporate	952	Dr.	PT
	OP ~~1068~~	951	CO 1355 @.25	
		947	F	85°

A 51.3-8
-15-72

7.93
3.71
11.64

ROAD INVENTORY SHEET

Road No. CO 324
Road Name 6 OF 6
Sheet No.
Date
County
State Coordinates

MD.		355	
S. MARKET	11.64	ST	
END CEM	11.61		
			0300
	11.27	(old ~~CORP~~ LIMITS)	20
	11.19		
	11.09	5TH	
	11.07 SPUR		# 175 30'CM
		MD 914A	X 2M
	11.06		
BEG CEM.	11.04		MAIN
		FREDERICK	
~~CORP~~ LIMITS	11.02		
	10.98	E I-70	
US40	10.96	(BRIDGE # 10104 28'J C-C 2-3'J SW)	
	1095	1955	
	1087	F ~~300'~~ 1000'	
SPUR FROM	10.80	F 800'	
	10.78	BR# 10123	
	10.76	15.5' OVERHEAD I 270 40' FILLET TO PIELAR	
	~~1092~~		

COLLECTOR
URBAN
HRMS

STATE HIGHWAY ADMINISTRATION OF MARYLAND

T. LANDON

1. ROAD INVENTORY SHEET

VERIFIED 7/26/76

Chief R. Bush

Road No. Co 373

Road Name REICHS FORD Rd

Sheet No. 1 OF 46

Date 9-23-63 REVISED 8-27-74 1-8-75 · M. BAXTER

County FRED

State Coordinates 708-557

Map No. M14E13

C10 459 TL REVISED F.R. 3/17/76

79-41 A/T

84-

Mile	Description	Remarks
0.61		90°
0.59		
0.58	F	
RXR		20'I ~~16'G~~ 24'Cu
0.57 RXR	#BO 140 440 B	
0.54	CREEK BRIDGE SHEET 1B 5 TON LIMIT	
BUSH #F0707		
0.52	F	
0.34	30°	
0.23	20° F 1200'	
0.15		30°
0.10	H	
0.08	CREEK BRIDGE SHEET 1A 5 TON LIMIT	
BUSH #		
0.07		20I ~~12'G~~ 24'Cu
0.01	H	
IAMSVILLE		
0.00	Co	
3.28	Rd.	

HAMS

RURAL MINOR COLLECTOR

HOOD

SAM

HA 51.3-8
-15-72

(12)

ROAD INVENTORY SHEET

Road No. CO 373
Road Name
Sheet No. 2 OF 46
Date
County
State Coordinates

		172	H	
		169	H	
	SPUR	166		20
		BARTONSVILLE Rd CO 372		
		164		90 X 2
	SPUR	160		
	901/20'I	162		10
		153		
		144		30
		129	H	
		126		75
		108	H	
		100		25
		092		
		090		
	F	087		
30		082		
		076		65°
		070		

HPMS
RURAL MINOR COLLECTOR
NON FA

.3-8
72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

ROAD INVENTORY SHEET

Chief
Map No.

Road No. Co 373
Road Name REICHS FORD Rd
Sheet No. 3 OF 46
Date
County FRED
State Coordinates

		H	328 OP 56	
		H	322	H
		H	320	H
	20'E		315	H
	2-7'E	F 800'	310	
			BEALL DR	
			309 Co.	815
90	X 2M		308	
				6 H
10		H-600'	292	
		F	281	H
30			259	
				6 H
75			253	
			HINES Rd	
			252 Co 377	
25		F	245	
		H	241	
		H	240	
			237	
		4 H		
			231	H
		H	226	F
	40°		220	
		ENT. LANDFILL	214	
		F	212	
	20'I			
35	~~13'G~~		193	H
	20'CW		175	H

NON FA RURAL MINOR COLLECTOR

SAME

HA 51.3-8
-15-72

(13)

ROAD INVENTORY SHEET

Road No. Co 373
Road Name
Sheet No. 4 OF 46
Date
County
State Coordinates

		402	
40° HPM	MONOCACY	397 ~~403~~	RIVER
			SEE BR SH 1C
		~~401~~	1973
PC		392	~~45°~~
		391	DR
	~~H~~	~~390~~	
		~~384~~	~~H~~
	H	382	~~H~~
		~~381~~	~~H~~
	F	378	~~MONOCACY PINE CLIFF CT~~ 45°
		376	CO. 853
	DR	372	
	30°	361	
	REELS MILL RD		
	Co 363	359	F
		357	60" CMP SQUASH
		350	
	H	347	25°
		335	
			3 H
25°		329	

NON RURAL FA MINOR COLLECTOR

MARYLAND STATE HIGHWAY ADMINISTRATION

(14)

ROAD INVENTORY SHEET

BB
BD
Dir. C9 /
Coordinates

Road No. Co 373
Road Name REICH'S FORD Rd.
County FREDERICK
Date 10-23-90
Sheet No. 5 OF 6

TRAFFIC CONTROL	TRAFFIC COM/IND ACCESS	LINE DIAGRAM			TRAFFIC CONTROL	TRAFFIC COM/IND ACCESS	TRAFFIC MKG. REST.	PAVEMENT DATA
		(OLD REICH'S Ford Rd)	(Proposed)					
		Co. 1442	5 15					
		2.34						
			5 10					
			5 09	PT				
		Corp Limits						
			5 07	30°				
			5 03 of	PC				
			Vantage Way					
			5 00	Ind. Pk.		E		36'I
			Frederick	↑				JC-C
		(OLD REICH'S Ford Rd)	Ray Smith Rd					2ML
		Co. 1442	4 85	CO 850			X	
	E		64					
		Hillmark CT.						
		CO 878	4 53					24'I
			5					2-10'FSHD
			4 39	72" cmp PT				2ML
			Ray Smith Rd					
			4 38	CO 851			X	
				35°				
			4 31	PC				
								24'I
		PT	4 07					2-5'FSHD
								40'CW 2ML

LINE DIAGRAM

SYSTEM: FED. AID.	FUNCT. CLASS.	HWY. SYS.	HPMS SAMPLE	TRAFFIC: PKG. REST.	COM/IND ACCESS				TRAFFIC: CONTROL	COM/IND ACCESS	PKG. REST.
FAU 7812	Urban Minor Arterial				E		5	64		E	
							5	57			
					E	GENSTAR	5	51			
							5	49			
							5	45 MU 0996			
						WBL OF	5	42 I-70			
						EBL OF	5	41 I-70			
					E	GENSTAR	5	32			
							5	31			
NON FA Urban Collector		(3)				PT	5	26 OP 104			
		(2)				PC	5	22			
		(1)									

E. SOUTH ST. MU. 1400

FRANKLIN ST. 5 73 MU. 0660 55

MUN. 1405 E. South ST

(Monocacy BLVD.)

#10106

18'+ V.C. 50' OTOP

#10106

one way

Ramps from I-70

one way

(Shaw Rd)

30°

51.3-8
15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

(18)

ROAD INVENTORY SHEET

Chief T. LANDON
Recorder D TAYLOR
Typer REWRITTEN 10-5-77

Map No. 13+14

Road No. CO 407
Road Name WOODVILLE RD
Sheet No. 5 OF 7
Date 7-9-76
County FREDERICK
State Coordinates 748-598

3 H		6 95	5 H	
		6 91		
	CO 916	6 90		
H		6 85		16' 30' c
20°	JACOBS RD CO 406	6 83	CORPORAL JONES CT CO 915	X 2 m
		6 80		
PT 30° PC	11 H	6 49	11 H	
		6 47		
		6 45		16' 30' c 2 m
	OLD ANNAPOLIS CO	6 44	RD ~~405~~ 1459	X
	H	6 42		
	F-600'	6 40		
		6 34	H	
	HALL	6 29	H	
	CHURCH & CEM	6 27		
	MATTIE HAINES RD ~~HAINES RD~~ CO 420	6 14	H	
		5 93		SAM

20'
24' W
2 M
X
SAME

SHA 51.3-8
11-15-72

STATE HIGHWAY ADMINISTRATION OF MARYLAND

DDDD
10-2350

ROAD INVENTORY SHEET

Party Chief: T. LANDON
Recorder: F. RHODES
Helper:

Map No. 29

Road No. CO. 850
Road Name RAY SMITH RD.
Sheet No. 1 OF 1
Date 7/26/76
County FRED.
State Coordinates 690-569

86-
DT
CA
4-23-87

		XXX	
	F	0 58	
↑40°		0 48 (RAY SMITH RD.) CO. 851	
	F	0 40	30°↑
↑15°		0 34	
	QUINN ORCHARD RD. CO. 381	0 32	20
			24
↑80°		0 05	~~14~~ H
			~~20~~
	Reich's CO.	00 FORD RD. 373	55 20

ORCHARD COTTAGE HOMES

```
10 CO 0043 000 1 0.03 0.90 0.87 2 0.72 0 0.00 0 0.00 0 0.00 0 0.0
 1 0.16 1 0.22 2 0.12 0 0.00
10 CO 0063 000 2 0.86 2.28 1.42 3 1.00 0 0.00 0 0.00 0 0.00 0 0.0
 1 0.10 1 0.08 2 0.30 0 0.00
10 CO 0064 000 3 1.49 2.15 0.66 1 0.66 0 0.00 0 0.00 0 0.00 0 0.0
 1 0.14 0 0.00 1 0.08 0 0.00
10 CO 0226 000 4 0.00 0.72 0.72 3 0.48 0 0.00 0 0.00 0 0.00 0 0.0
 0 0.00 2 0.22 1 0.16 0 0.00
10 CO 0226 000 5 0.72 0.74 0.02 1 0.02 0 0.00 0 0.00 0 0.00 0 0.0
 0 0.00 1 0.02 0 0.00 0 0.00
10 CO 0227 000 6 1.51 1.63 0.12 1 0.12 0 0.00 0 0.00 0 0.00 0 0.0
 1 0.07 0 0.00 0 0.00 0 0.00
10 CO 0281 000 7 3.22 3.72 0.50 2 0.45 0 0.00 0 0.00 0 0.00 0 0.0
 0 0.00 3 0.31 0 0.00 2 0.15
10 CO 0287 000 8 3.72 4.47 0.75 4 0.52 0 0.00 0 0.00 0 0.00 0 0.0
 0 0.00 1 0.09 1 0.09 0 0.00
10 CO 0294 000 9 5.37 6.59 1.22 1 1.22 0 0.00 0 0.00 0 0.00 0 0.0
 3 0.39 2 0.41 0 0.00 0 0.00
10 CO 0324 000 10 10.55 11.02 0.47 1 0.47 0 0.00 0 0.00 0 0.00 0 0
.00 3 0.38 0 0.00 0 0.00 0 0.00
10 CO 0373 000 11 0.08 0.54 0.46 2 0.26 0 0.00 0 0.00 0 0.00 0 0.0
0 1 0.19 0 0.00 0 0.00 0 0.00
10 CO 0373 000 12 0.59 1.64 1.05 6 0.35 0 0.00 0 0.00 0 0.00 0 0.0
0 0 0.00 0 0.00 1 0.12 1 0.07
10 CO 0373 000 13 3.92 4.38 0.46 1 0.19 0 0.00 0 0.00 0 0.00 0 0.0
0 1 0.06 0 0.00 0 0.00 0 0.00
10 CO 0373 000 14 4.38 4.85 0.47 2 0.29 0 0.00 0 0.00 1 0.15 0 0.0
0 1 0.16 0 0.00 0 0.00 0 0.00
10 CO 0373 000 15 5.10 5.22 0.12 1 0.12 0 0.00 0 0.00 0 0.00 0 0.0
0 1 0.12 0 0.00 0 0.00 0 0.00
10 CO 0373 000 16 5.22 5.25 0.03 0 0.00 0 0.00 0 0.00 0 0.00 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
10 CO 0373 000 17 5.25 5.31 0.06 1 0.06 0 0.00 0 0.00 0 0.00 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
10 CO 0407 000 18 6.44 6.83 0.39 1 0.33 0 0.00 0 0.00 0 0.00 0 0.0
5 1 0.07 0 0.00 0 0.00 0 0.00
10 CO 0850 000 19 0.00 0.58 0.58 4 0.47 0 0.00 0 0.00 0 0.00 0 0.0
0 2 0.11 0 0.00 0 0.00 0 0.00
10 MU 0090 057 20 0.00 0.57 0.57 1 0.57 0 0.00 0 0.00 0 0.00 0 0.0
9 1 0.24 0 0.00 0 0.00 0 0.00
10 MU 0090 057 21 0.57 0.70 0.13 1 0.13 0 0.00 0 0.00 0 0.00 0 0.0
5 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0120 057 22 0.00 0.27 0.27 1 0.27 0 0.00 0 0.00 0 0.00 0 0.0
7 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0120 057 23 0.27 0.40 0.13 1 0.13 0 0.00 0 0.00 0 0.00 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0360 057 24 0.00 0.31 0.31 1 0.31 0 0.00 0 0.00 0 0.00 0 0.0
8 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0360 057 25 0.44 0.61 0.17 1 0.17 0 0.00 0 0.00 0 0.00 0 0.0
7 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0360 057 26 0.77 0.95 0.18 2 0.09 0 0.00 0 0.00 0 0.00 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0390 057 27 0.14 0.48 0.34 1 0.34 0 0.00 0 0.00 0 0.00 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0430 057 28 0.25 0.57 0.32 1 0.01 0 0.00 0 0.00 0 0.00 0 0.0
2 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0540 057 29 0.00 0.38 0.38 1 0.38 0 0.00 0 0.00 0 0.00 0 0.0
3 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0640 057 30 0.00 0.46 0.46 1 0.46 0 0.00 0 0.00 0 0.00 0 0.0
0 1 0.16 0 0.00 0 0.00 0 0.00
10 MU 0640 057 31 0.83 0.97 0.14 1 0.09 0 0.00 0 0.00 0 0.00 0 0.0
0 2 0.14 0 0.00 0 0.00 0 0.00
10 MU 0660 057 32 1.65 1.88 0.23 1 0.23 0 0.00 0 0.00 0 0.00 0 0.0
0 0 0.00 0 0.00 1 0.08 0 0.00
10 MU 0676 057 33 0.00 1.05 1.05 5 0.78 0 0.00 0 0.00 0 0.00 0 0.0
6 1 0.06 0 0.00 0 0.00 0 0.00
10 MU 0676 057 34 1.05 1.35 0.27 1 0.21 0 0.00 0 0.00 0 0.00 0 0.0
3 0 0.00 0 0.00 0 0.00 0 0.00
```

0	0.00	1	0.08	0	0.00	0	0.00	1	0.07	0	0.00	0	0.00	0	0.00	3	0.37	0	0.00
0	0.00	0	0.00	1	0.12	2	0.09	0	0.00	1	0.04	2	0.17	0	0.00	3	0.62	1	0.32
0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.30	1	0.14
0	0.00	3	0.24	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.08	2	0.26
0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.05
0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.05	0	0.00	0	0.00	1	0.04	0	0.00
1	0.08	1	0.09	0	0.00	0	0.00	0	0.00	1	0.06	0	0.00	0	0.00	3	0.46	1	0.11
0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.15	1	0.27
.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.09	0 0
0	0	0.00	0	0.00	0	0.00	0	0.00	2	0.12	0	0.00	0	0.00	2	0.08	2	0.27	0 0.0
0	0	0.00	0	0.00	0	0.00	2	0.18	0	0.00	5	0.41	1	0.04	1	0.07	2	0.86	0 0.0
0	0	0.00	1	0.11	1	0.16	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.40	0 0.0
0	0	0.00	1	0.03	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.31	0 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	1	0.03	0	0.00	0	0.00	0	0.00	1	0.03	0 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.06	0 0.0
0	0	0.00	0	0.00	0	0.00	1	0.06	0	0.00	0	0.00	0	0.00	0	0.00	1	0.17	1 0.1
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.03	2	0.08	2	0.47	0 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.24	1 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.08	1 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.20	1 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.13	0 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.23	1 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2 0.1
0	0	0.00	0	0.00	0	0.00	0	0.00	1	0.09	0	0.00	0	0.00	0	0.00	1	0.18	0 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.34	0 0.0
0	0	0.00	1	0.31	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.10	2 0.3
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.15	2 0.2
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	0.30	0 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.05	0	0.00	0	0.00	0	0.00	0 0.0
0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.15	0 0.0
0	0	0.00	0	0.00	0	0.00	2	0.09	0	0.00	1	0.04	1	0.08	1	0.06	2	0.83	3 0.1
0	0	0.00	1	0.06	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	0.14	1 0.1

```
10 MU 0714 057 35 0.00 0.15 0.15 1 0.10 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.05 0 0.00 0 0.00 0 0.00 0 0.00 0 0.0
0 1 0.15 0 0.00 0 0.00 0 0.00
10 MU 0760 057 36 0.82 0.96 0.14 1 0.14 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.10 0 0.0
0 0 0.00 1 0.04 0 0.00 0 0.00
10 MU 0760 057 37 0.16 0.31 0.15 1 0.15 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.1
5 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 0760 057 38 0.31 0.53 0.22 1 0.22 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.02 1 0.1
8 1 0.02 0 0.00 0 0.00 0 0.00
10 MU 0760 057 39 0.53 0.77 0.24 1 0.24 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.21 0 0.0
0 1 0.03 0 0.00 0 0.00 0 0.00
10 MU 1020 057 40 0.00 0.22 0.22 1 0.22 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.2
2 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 1020 057 41 0.22 0.64 0.42 2 0.37 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.05 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 2 0.34 0 0.0
0 1 0.08 0 0.00 0 0.00 0 0.00
10 MU 1118 057 42 0.00 0.03 0.03 1 0.03 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.03 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 1118 057 43 0.63 1.34 0.71 1 0.71 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.10 1 0.0
9 3 0.52 0 0.00 0 0.00 0 0.00
10 MU 1390 057 44 0.92 1.73 0.81 4 0.65 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.05 1 0.04 1 0.07 0 0.00 2 0.10 3 0.7
1 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 1400 057 45 0.24 0.54 0.30 1 0.30 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 3 0.3
0 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 1400 057 46 0.54 0.83 0.29 1 0.29 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.0
3 1 0.23 1 0.03 0 0.00 0 0.00
10 MU 1400 057 47 0.83 0.96 0.13 1 0.13 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.0
0 0 0.00 1 0.13 0 0.00 0 0.00
10 MU 1400 057 48 0.96 1.01 0.05 1 0.05 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.0
0 1 0.02 1 0.03 0 0.00 0 0.00
10 MU 1400 057 49 1.01 1.11 0.10 1 0.10 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.0
0 1 0.10 0 0.00 0 0.00 0 0.00
10 MU 1400 057 50 1.27 1.30 0.03 1 0.03 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.0
0 1 0.03 0 0.00 0 0.00 0 0.00
10 MU 1400 057 51 1.30 1.41 0.11 1 0.11 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.08 0 0.0
0 1 0.03 0 0.00 0 0.00 0 0.00
10 MU 1400 057 52 1.41 1.54 0.18 1 0.13 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.03 0 0.0
0 1 0.10 0 0.00 0 0.00 0 0.00
10 MU 1400 057 53 1.54 1.65 0.11 1 0.11 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.10 0 0.0
0 1 0.01 0 0.00 0 0.00 0 0.00
10 MU 1405 057 54 0.00 0.08 0.08 1 0.08 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.08 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 1405 057 55 0.08 0.10 0.02 1 0.02 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.02 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 1405 057 56 0.31 0.41 0.10 1 0.10 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.10 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 1575 057 57 0.00 0.58 0.58 1 0.42 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.04 0 0.00 0 0.00 1 0.12 0 0.00 0 0.00 0 0.00 2 0.15 2 0.2
1 1 0.10 0 0.00 1 0.12 0 0.00
10 MU 9040 057 58 0.54 0.69 0.15 1 0.15 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.1
5 0 0.00 0 0.00 0 0.00 0 0.00
10 MU 9090 057 59 0.56 0.69 0.13 1 0.13 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 1 0.13 0 0.0
0 0 0.00 0 0.00 0 0.00 0 0.00
```

10	MU	1390	057	44	0.92	0.81	1.73	:	10	MU	1390	057	0.92	0.78	1.70	:	SECTION LENGTH SHORTENED DUE TO REINVENTORY
10	MU	1405	057	54	0.00	0.08	0.08	:	10	MU	1405	057	0.00	0.09	0.09	:	MILEPOINTS CHANGE DUE TO REINV
10	MU	1405	057	55	0.08	0.02	0.10	:	10	MU	1405	057	0.09	0.02	0.11	:	MILEPOINTS CHANGE DUE TO REINV

12/29/92 CURVE AND GRADE DATA CHANGES

OLD ROUTE INFO							NEW ROUTE INFO						
CO	ROUTE	SFX	R	BEG	LEN	END	CO	ROUTE	SFX	BEG	LEN	END	REASON FOR CHANGE
10	MU	1575	057	57	0.00	0.58	0.58	:	1 10	MU	1575	057	0.00	0.08	0.08	:	SECTION LENGTH CHANGE DUE TO RESURFACE
10	MU	1575	057	57	0.00	0.58	0.58	:	3 10	MU	1575	057	0.13	0.45	0.58	:	SECTION LENGTH CHANGE DUE TO RESURFACE
10	MU	1575	057	57	0.00	0.58	0.58	:	2 10	MU	1575	057	0.08	0.05	0.13	:	SECTION LENGTH CHANGE DUE TO RESURFACE
10	MU	1575	057	57	0.00	0.58	0.58	:	2 10	MU	1575	057	0.08	0.05	0.13	:	SECTION LENGTH CHANGE DUE TO RESURFACE

264

12/29

Sean,

Here is the FREDERICK COUNTY changes.

I NEED updated curve and grade info for these routes.

Thanks,
J.E.

Done 12/30

12/29/92

CURVE AND GRADE DATA CHANGES

OLD ROUTE INFO							NEW ROUTE INFO						
CO	ROUTE	SFX	R	BEG	LEN	END	CO	ROUTE	SFX	BEG	LEN	END	REASON FOR CHANGE
10	CO 0063	000	2	0.86	1.42	2.28	: 10	CO 0063	000	0.85	1.40	2.25	: MILEPOINTS CHANGE DUE TO REINVENTORY
10	CO 0287	000	8	3.72	0.75	4.47	: 10	CO 0287	000	3.72	0.78	4.50	: MILEPOINT CHANGE DUE TO REINV
10	CO 0294	000	9	5.37	1.22	6.59	: 10	CO 0294	000	5.37	0.85	6.22	: SECTION LENGTH CHANGE DUE TO RESURFACE
10	CO 0294	000	9	5.37	1.22	6.59	: 10	CO 0294	000	6.53	0.06	6.59	: SECTION LENGTH CHANGE DUE TO RESURFACE
10	CO 0294	000	9	5.37	1.22	6.59	: 10	CO 0294	000	6.22	0.31	6.53	: SECTION LENGTH CHANGE DUE TO RESURFACE
10	CO 0373	000	12	0.59	1.05	1.64	: 10	CO 0373	000	0.59	1.04	1.63	: SECTION SHORTENED DUE TO REINVENTORY
10	CO 0373	000	13	3.92	0.46	4.38	: 10	CO 0373	000	3.89	0.45	4.34	: MILEPOINTS CHANGE AND SECTION LENGTH SHORTENED DUE TO REINV
10	CO 0373	000	14	4.38	0.47	4.85	: 10	CO 0373	000	4.34	0.46	4.80	: MILEPOINTS CHANGE AND SECTION LENGTH SHORTENED DUE TO REINV
10	CO 0407	000	18	6.44	0.39	6.83	: 10	CO 0407	000	6.38	0.40	6.78	: MILEPOINT CHANGE AND SECTION LENGTH LENGTHENED DUE TO REINV
10	MU 0090	057	20	0.00	0.57	0.57	: 10	MU 0090	057	0.00	0.05	0.05	: SECTION LENGTH CHANGE DUE TO REINV
10	MU 0090	057	20	0.00	0.57	0.57	: 10	MU 0090	057	0.05	0.52	0.57	: SECTION LENGTH CHANGE DUE TO REINV
10	MU 0640	057	31	0.83	0.14	0.97	: 10	MU 0640	000	0.83	0.08	0.91	: SECTION LENGTH CHANGE DUE TO RESURFACE
10	MU 0640	057	31	0.83	0.14	0.97	: 10	MU 0640	000	0.91	0.07	0.98	: SECTION LENGTH CHANGE AND MILEPOINT CHANGE DUE TO REINV
10	MU 0760	057	36	0.82	0.14	0.96	: 10	MU 0714	057	0.82	0.14	0.96	: INCORRECT ROUTE NUMBER
10	MU 0760	057	37	0.16	0.15	0.31	: 10	MU 0760	057	0.26	0.05	0.31	: SECTION LENGTH CHANGE DUE TO REINV
10	MU 0760	057	37	0.16	0.15	0.31	: 10	MU 0760	057	0.16	0.10	0.26	: SECTION LENGTH CHANGE DUE TO REINV
10	MU 0760	057	39	0.53	0.24	0.77	: 10	MU 0760	057	0.53	0.21	0.74	: SECTION LENGTH CHANGE DUE TO REINV
10	MU 0760	057	39	0.53	0.24	0.77	: Add 10	MU 0760	057	0.74	0.03	0.77	: SECTION LENGTH CHANGE DUE TO REINV
10	MU 1020	057	40	0.00	0.22	0.22	: 10	MU 1020	057	0.00	0.22	0.22	: ROUTE NUMBER CHANGED AND INV REVERSED DUE TO 1 WAY SECTION
10	MU 1020	057	41	0.22	0.42	0.64	: 10	MU 1020	057	0.00	0.40	0.40	: MILEPOINTS CHANGE AND SECT LENGTH SHORTENED DUE TO REINV