

V 2/25 Af  
H 2/27 Mor

ROUTE NUMBER: MD 213

STARTING MILE POINT: 7.96

ENDING MILE POINT: 8.32

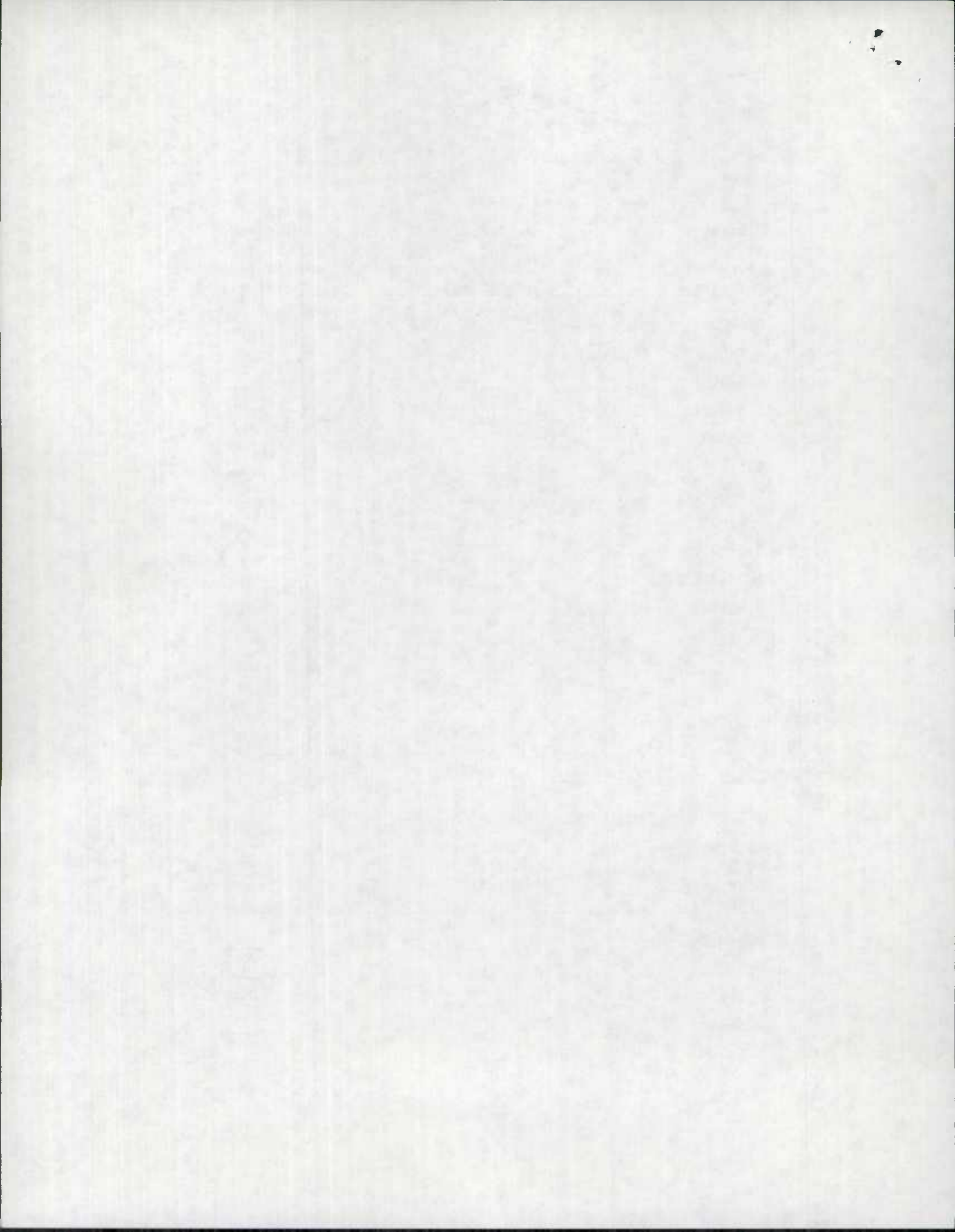
.36

	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 $\longrightarrow$	<u>1</u>	<u>0.17</u>
b.	0.5-1.4 $\xrightarrow{0.74}$	<u>1</u>	<u>0.19</u>
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.	23+	_____	_____

GRADE:

pt (i) (0,0)    pt (ii) (4,0.1)    pt (iii) (11.8, 1.5)    pt (iv) (19, 1.15)    pt (v) \_\_\_\_\_  
 pt (vi) \_\_\_\_\_    pt (vii) \_\_\_\_\_    pt (viii) \_\_\_\_\_    pt (ix) \_\_\_\_\_    pt (x) \_\_\_\_\_

	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	<u>2</u>	<u>0.21</u>
c.	2.5-4.4	<u>1</u>	<u>0.15</u>
d.	4.5-6.4	_____	_____
e.	6.5-8.4	_____	_____
f.	8.5-	_____	_____



ROUTE NUMBER: MD 313



STARTING MILE POINT: 6.71

ENDING MILE POINT: 7.14

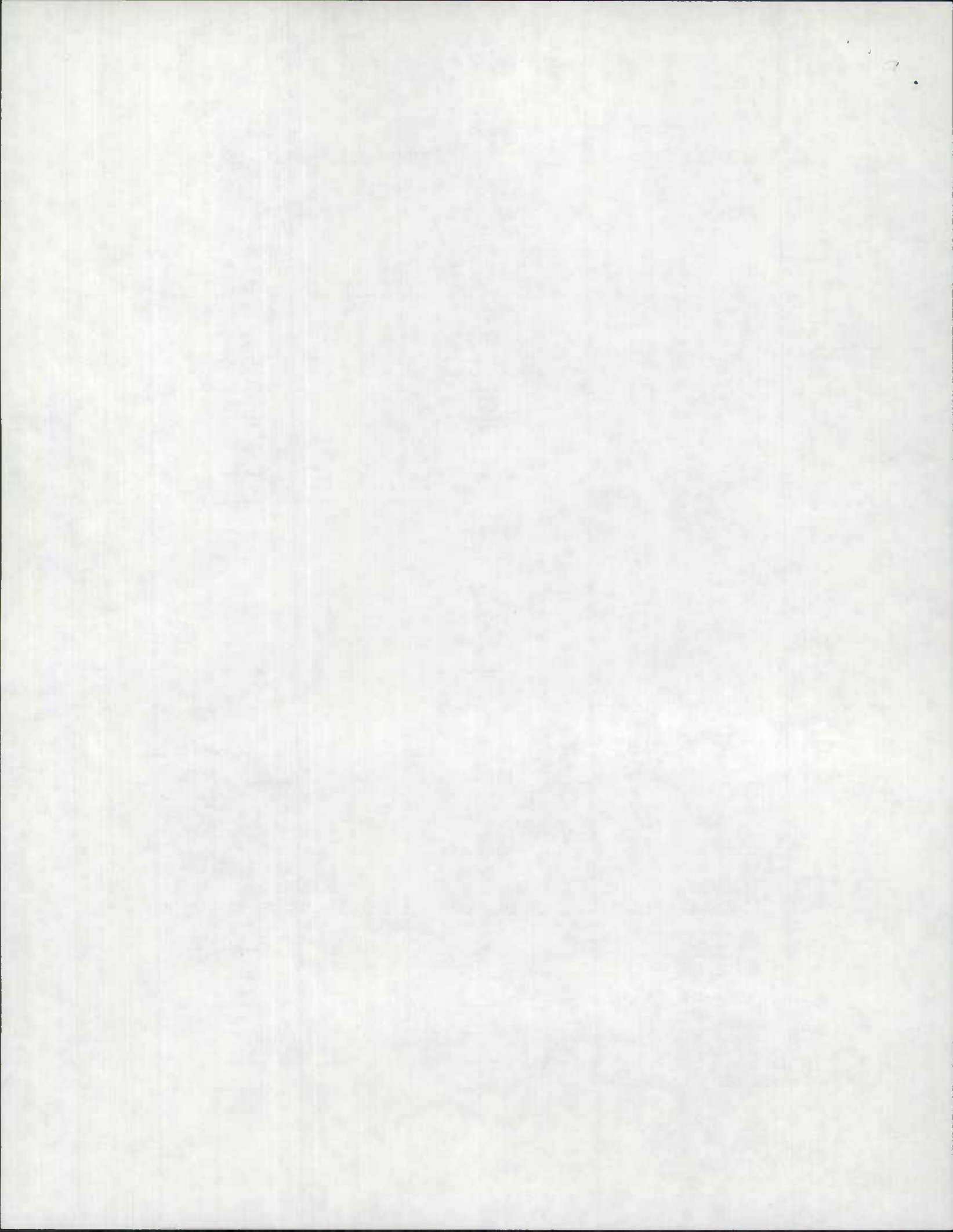
.43

	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 $\longrightarrow$	<u>1</u>	<u>0.29</u>
b.	0.5-1.4	_____	_____
c.	1.5-2.4	_____	_____
d.	2.5-3.4	_____	_____
e.	3.5-4.4 $\xrightarrow{4.34}$	<u>1</u>	<u>0.14</u>
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.	23+	_____	_____

GRADE:

pt (i) (0.0)    pt (ii) (6.0, 2)    pt (iii) (22.7, 1.3)    pt (iv) \_\_\_\_\_    pt (v) \_\_\_\_\_  
pt (vi) \_\_\_\_\_    pt (vii) \_\_\_\_\_    pt (viii) \_\_\_\_\_    pt (ix) \_\_\_\_\_    pt (x) \_\_\_\_\_

	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	<u>2</u>	<u>0.43</u>
c.	2.5-4.4	_____	_____
d.	4.5-6.4	_____	_____
e.	6.5-8.4	_____	_____
f.	8.5-	_____	_____



ROUTE NUMBER: US 301

STARTING MILE POINT: 0.17

ENDING MILE POINT: 2.47

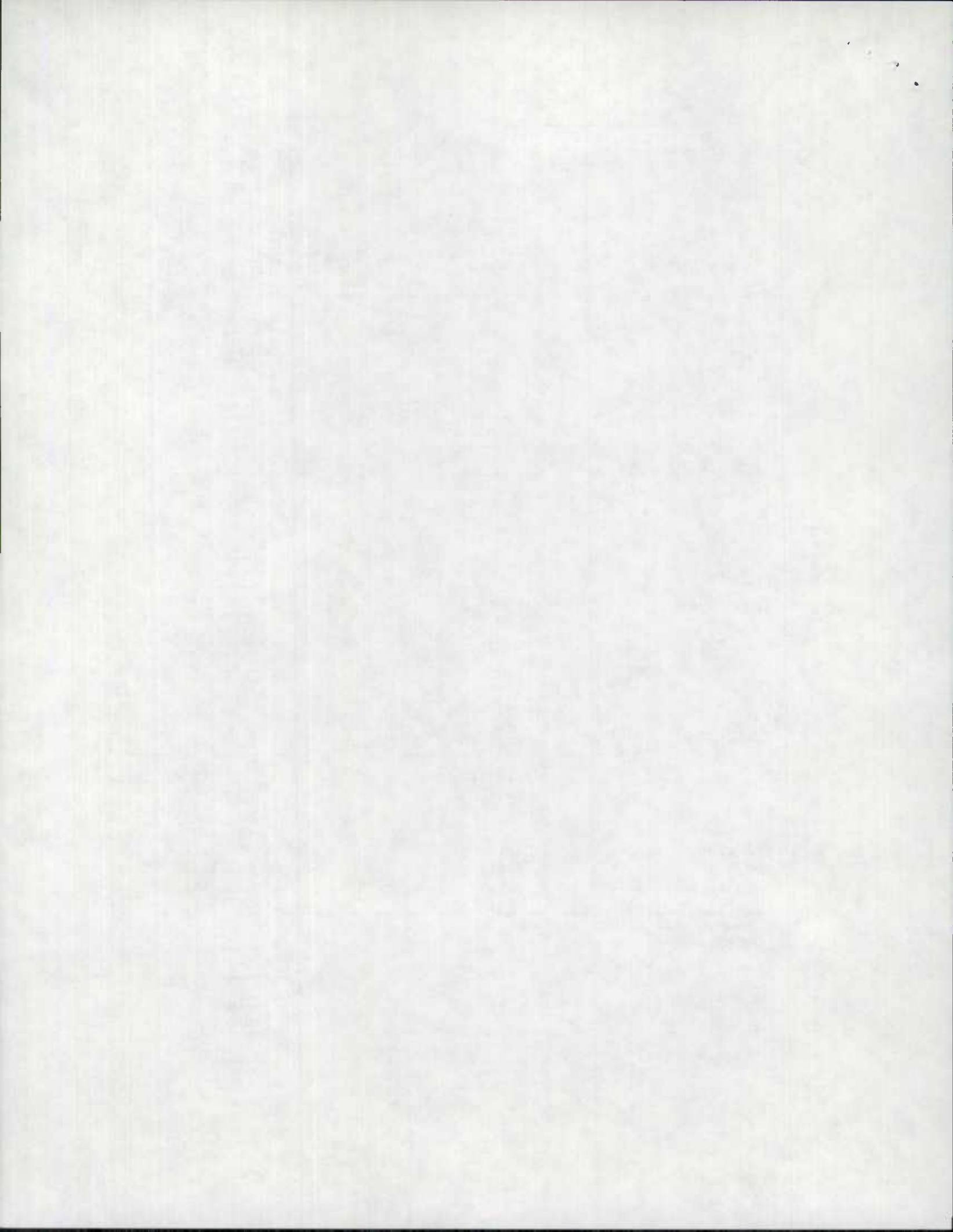
2.30

	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	<u>3</u>	<u>1.53</u>
b.	0.5-1.4	<u>141</u>	<u>0.33 + 0.44</u> <u>0.77</u>
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.	23+	_____	_____

GRADE:

pt(i) (0.0) pt(ii) (6.5, 1.3) pt(iii) (21.3, 4.0) pt(iv) (37.3, 9) pt(v) (49.7, 6.5)  
pt(vi) (65.5, 5.7) pt(vii) (89.8, 9) pt(viii) (121.4, 9.75) pt(ix) \_\_\_\_\_ pt(x) \_\_\_\_\_

	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	<u>1</u>	<u>0.30</u>
b.	0.5-2.4	<u>4</u>	<u>1.77</u> <u>1.70</u>
c.	2.5-4.4	<u>2</u>	<u>0.24</u>
d.	4.5-6.4	_____	_____
e.	6.5-8.4	_____	_____
f.	8.5-	_____	_____



ROUTE NUMBER: US 301

STARTING MILE POINT: 2.47

ENDING MILE POINT: 3.62

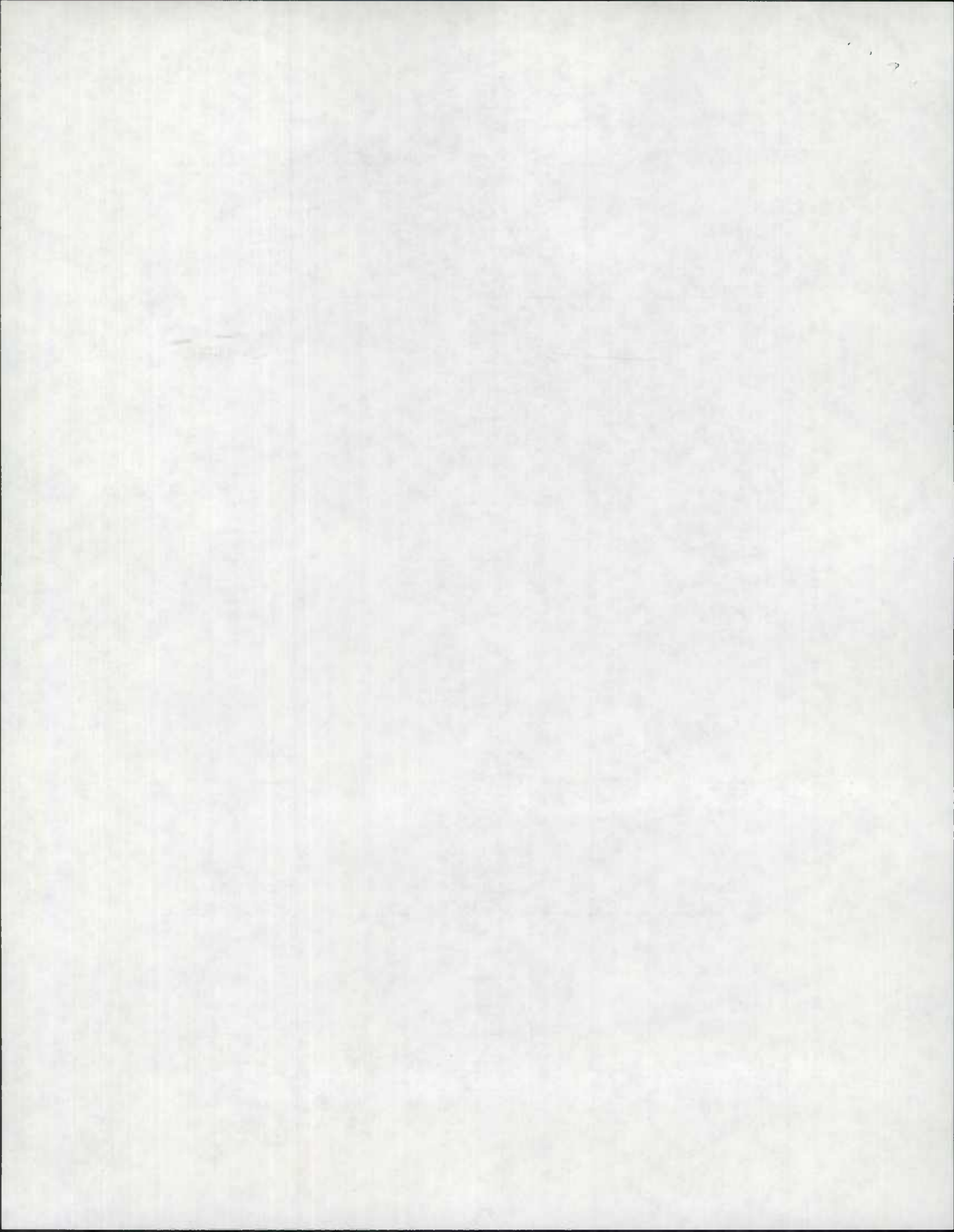
1.15

	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	<u>1</u>	<u>1.15</u>
b.	0.5-1.4	<u>    </u>	<u>    </u>
c.	1.5-2.4	<u>    </u>	<u>    </u>
d.	2.5-3.4	<u>    </u>	<u>    </u>
e.	3.5-4.4	<u>    </u>	<u>    </u>
f.	4.5-5.4	<u>    </u>	<u>    </u>
g.	5.5-6.9	<u>    </u>	<u>    </u>
h.	7.0-8.4	<u>    </u>	<u>    </u>
i.	8.5-10.9	<u>    </u>	<u>    </u>
j.	11.0-13.9	<u>    </u>	<u>    </u>
k.	14.0-19.4	<u>    </u>	<u>    </u>
l.	19.5-27.9	<u>    </u>	<u>    </u>
m.	23+	<u>    </u>	<u>    </u>

GRADE:

pt(i) (10.0)      pt(ii) (6.4, 0.2)      pt(iii) (15.7, 0.3)      pt(iv) (60.5, 2)      pt(v)       
pt(vi)           pt(vii)           pt(viii)           pt(ix)           pt(x)     

	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	<u>1</u>	<u>0.13</u>
b.	0.5-2.4	<u>2</u>	<u>0.97</u>
c.	2.5-4.4	<u>    </u>	<u>    </u>
d.	4.5-6.4	<u>    </u>	<u>    </u>
e.	6.5-8.4	<u>    </u>	<u>    </u>
f.	8.5-	<u>    </u>	<u>    </u>





ROUTE NUMBER: US 301



STARTING MILE POINT: 4.18

ENDING MILE POINT: 5.04

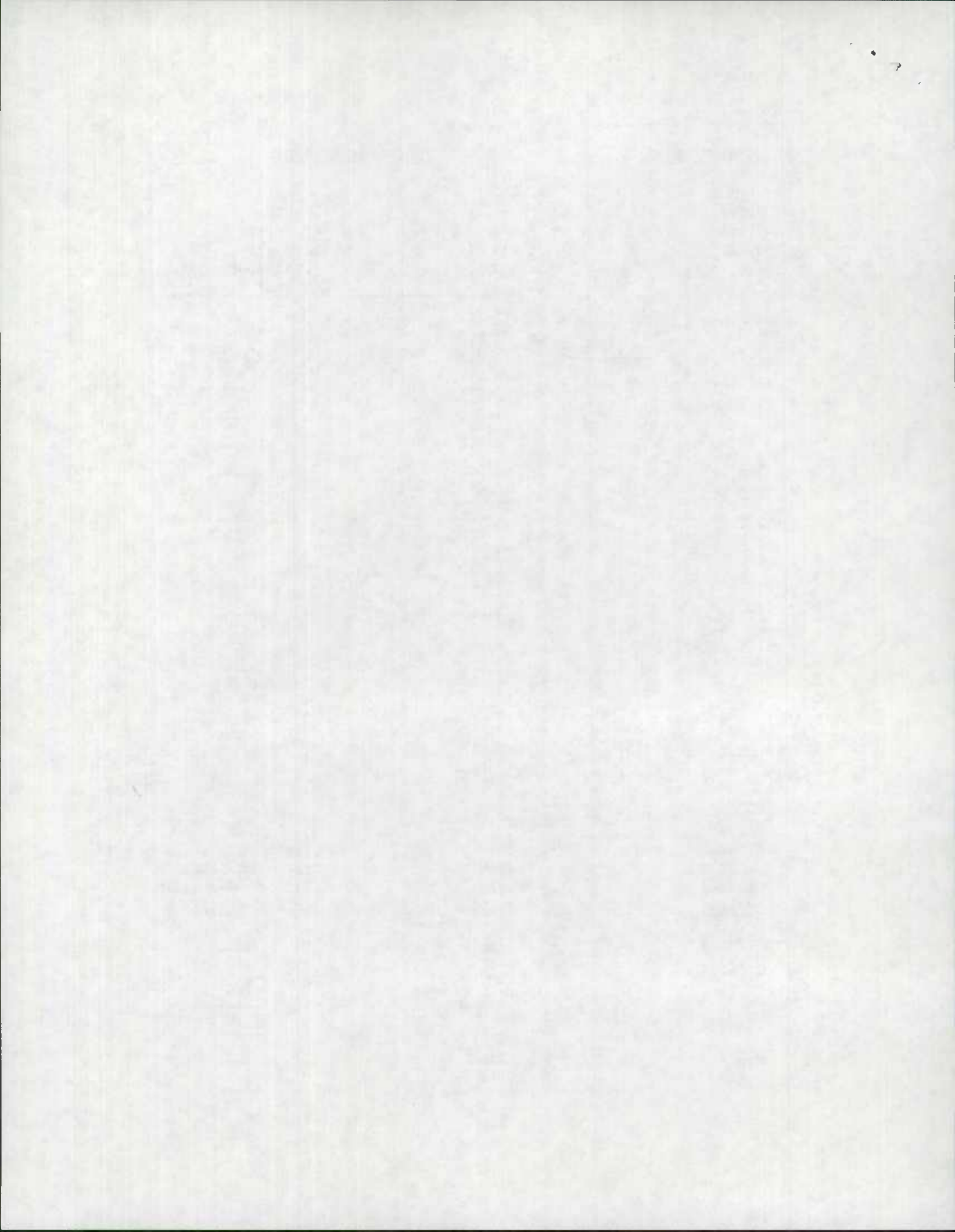
.86

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	<u>2</u>	<u>0.61</u>
b. 0.5-1.4	<u>1</u>	<u>0.47</u>
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. 23+	_____	_____

GRADE:

pt(i) (0.0) pt(ii) (14.6, 0.15) pt(iii) (26.2, 2.3) pt(iv) (64.4, 2.6) pt(v) \_\_\_\_\_  
pt(vi) \_\_\_\_\_ pt(vii) \_\_\_\_\_ pt(viii) \_\_\_\_\_ pt(ix) \_\_\_\_\_ pt(x) \_\_\_\_\_

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	<u>1</u>	<u>0.37</u>
b. 0.5-2.4	<u>2</u>	<u>0.49</u>
c. 2.5-4.4	_____	_____
d. 4.5-6.4	_____	_____
e. 6.5-8.4	_____	_____
f. 8.5-	_____	_____



ROUTE NUMBER: US 301



STARTING MILE POINT: 5.04

ENDING MILE POINT: 7.80

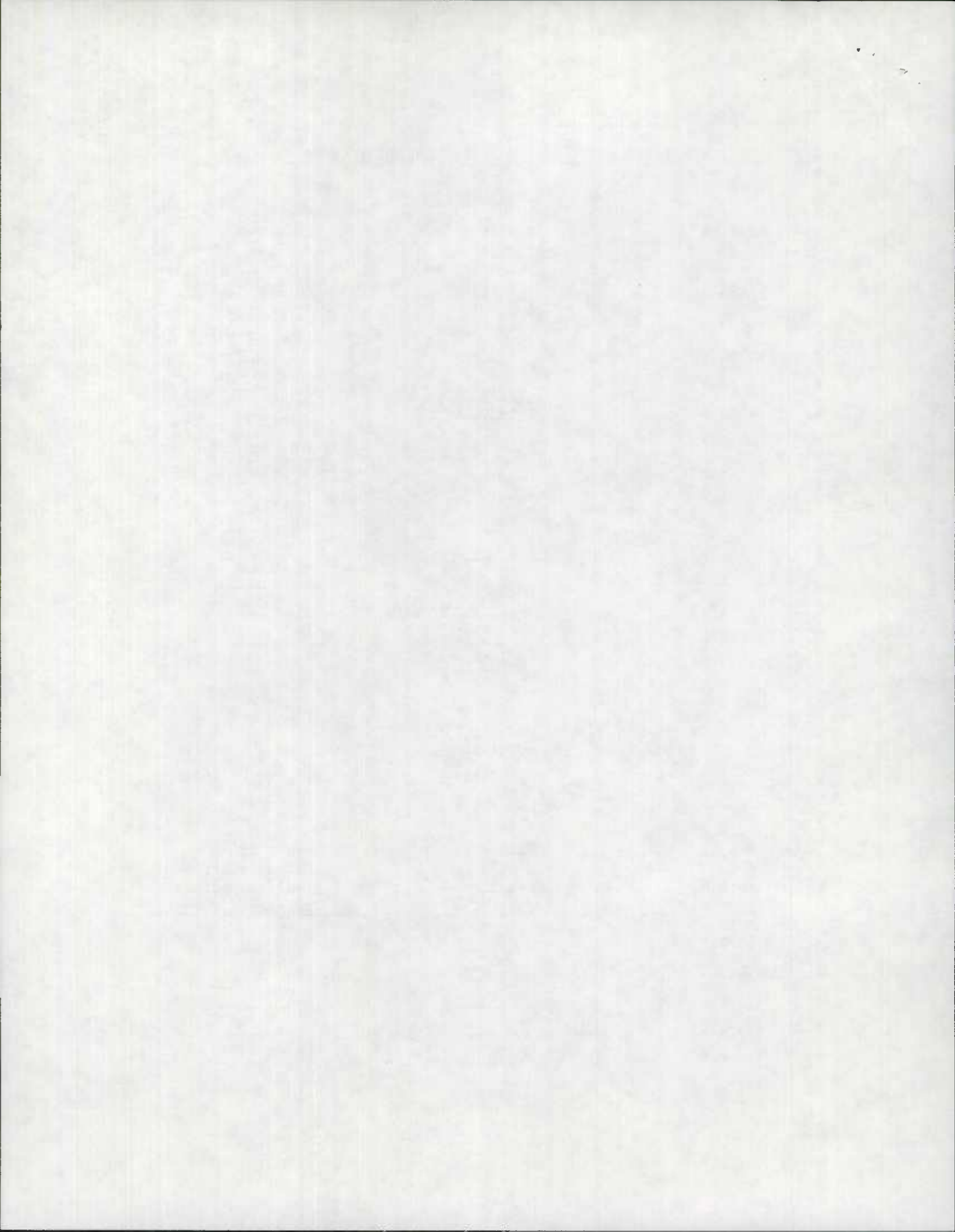
2.76

	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 $\xrightarrow{\hspace{2cm}}$	<u>2</u>	<u>0.43</u>
b.	0.5-1.4 $\xrightarrow{0.95}$	<u>1</u>	<u>0.82</u>
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.	23+	_____	_____

GRADE:

pt (i) (0.0)      pt (ii) (10.9, 0.3)      pt (iii) (33.9, 0.6)      pt (iv) (40.4, 0.6)      pt (v) (53.8, 1.1)  
 pt (vi) (73.2)      pt (vii) (85.7, 2.0)      pt (viii) (95.3, 1.2)      pt (ix) (113.3, 2.25)      pt (x) (124.9, 2.4)  
(135.7, 4.0)      (145.7, 4.3)

	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	<u>2</u>	<u>0.44</u>
b.	0.5-2.4	<u>8</u>	<u>0.11</u>
c.	2.5-4.4	<u>1</u>	<u>0.21</u>
d.	4.5-6.4	_____	_____
e.	6.5-8.4	_____	_____
f.	8.5-	_____	_____



ROUTE NUMBER: US 301

STARTING MILE POINT: 7.80

ENDING MILE POINT: 8.79

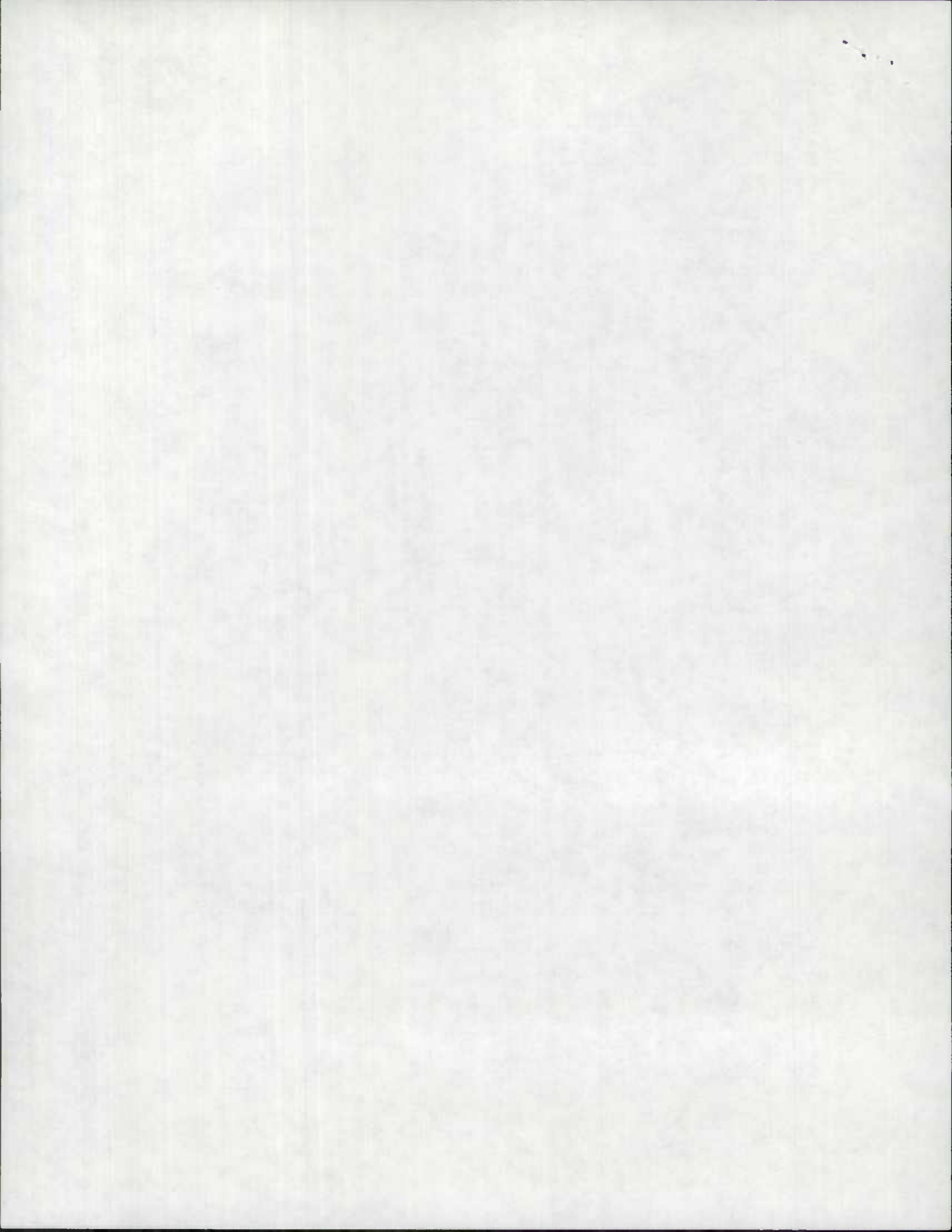
0.99

	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 $\xrightarrow{0.95}$	<u>2</u>	<u>0.40</u>
b.	0.5-1.4 $\xrightarrow{0.95}$	<u>1</u>	<u>0.59</u>
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.	23+	_____	_____

GRADE:

pt(i) (0.0) pt(ii) (2.3, 0.1) pt(iii) (17.7, 1.7) pt(iv) (24.5, 2.3) pt(v) (44.7, 1.65)  
pt(vi) (47, 1.6) pt(vii) \_\_\_\_\_ pt(viii) \_\_\_\_\_ pt(ix) \_\_\_\_\_ pt(x) \_\_\_\_\_

	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	<u>1</u>	<u>0.4</u>
b.	0.5-2.4	<u>1</u>	<u>0.15</u>
c.	2.5-4.4	_____	_____
d.	4.5-6.4	_____	_____
e.	6.5-8.4	_____	_____
f.	8.5-	<u>2</u>	<u>80</u>



SAMPLES FOR CURVES AND GRADES

02/11/92

PAGE 1

<u>CO</u>	<u>PREFIX</u>	<u>ROUTE</u>	<u>SUFFIX</u>	<u>BEGIN</u>	<u>SECTION LENTH</u>	<u>END</u>
KENT COUNTY						
14	MD	213	000	07.96	00.36	08.32 ✓
14	MD	313	000	06.71	00.43	07.14 ✓
14	US	301	000	00.17	02.30	02.47 ✓
14	US	301	000	02.47	01.15	03.62 ✓
14	US	301	000	04.18	00.86	05.04 ✓
14	US	301	000	05.04	02.76	07.80 ✓
14	US	301	000	07.80	00.99	08.79 ✓

TOTAL NUMBER OF RECORDS: 7

