

**VT ROUTE 103 (T.H. 1) CURVE NO. 1 DATA**  
 $\Delta = 16^\circ 51' 06.12''$   
 $D = 28^\circ 49' 35.70''$   
 $R = 340.00'$   
 $T = 87.38'$   
 $L = 171.06'$   
 $E = 11.05'$   
 BANK = NONE

**GLEASCOTT AVE (T.H. 314) CURVE NO. 1 DATA**  
 $\Delta = 114^\circ 35' 29.61''$   
 $D = 36^\circ 47' 31.05''$   
 $R = 50.00'$   
 $T = 16.63'$   
 $L = 32.11'$   
 $E = 2.69'$   
 BANK = NONE

**ELM ST. (T.H. 328) CURVE NO. 1 DATA**  
 $\Delta = 40^\circ 55' 32.00''$   
 $D = 28^\circ 45' 07.60''$   
 $R = 140.00'$   
 $T = 35.88'$   
 $L = 70.25'$   
 $E = 4.53'$   
 BANK = NONE

**VT ROUTE 103 (T.H. 1) CURVE NO. 2 DATA**  
 $\Delta = 8^\circ 11' 06.40''$   
 $D = -10^\circ 02' 44.82''$   
 $R = 700.00'$   
 $T = 61.52'$   
 $L = 122.73'$   
 $E = 2.70'$   
 BANK = NONE

**ELM ST. (T.H. 328) ALIGNMENT**  
 HORIZONTAL ALIGNMENT NAME: TH328prop

ELEMENT:	STATION	NORTHING	EASTING
LINEAR			
POB	1+00.00	326547.0366	1588115.6916
PC	1+47.81	326594.8020	1588117.7581
TANGENT DIRECTION: N 2° 28' 38.52" E			
TANGENT LENGTH: 47.81			
CIRCULAR			
PC	1+47.81	326594.8020	1588117.7581
PI	1+83.69	326630.6520	1588119.3092
CC		326600.8535	1587977.8890
PT	2+18.06	326662.8281	1588103.4244
RADIUS: 140.00'			
DELTA: 28° 45' 07.60" LEFT			
DEGREE OF CURVATURE (ARC): 40° 55' 32.00"			
LENGTH: 70.25'			
TANGENT: 35.88'			
CHORD: 69.52'			
MIDDLE ORDINATE: 4.38'			
EXTERNAL: 4.53'			
LINEAR			
PT	2+18.06	326662.8281	1588103.4244
POE	2+50.00	326691.4608	1588089.2889
TANGENT DIRECTION: N 26° 16' 29.08" W			
TANGENT LENGTH: 31.93			

**GLEASCOTT AVE (T.H. 314) ALIGNMENT**  
 HORIZONTAL ALIGNMENT NAME: TH314prop

ELEMENT:	STATION	NORTHING	EASTING
LINEAR			
POB	5+00.00	326822.9009	1588337.3596
PC	5+16.99	326838.5903	1588330.8283
TANGENT DIRECTION: N 22° 36' 05.55" W			
TANGENT LENGTH: 16.99			
CIRCULAR			
PC	5+16.99	326838.5903	1588330.8283
PI	5+33.62	326853.9421	1588324.4375
CC		326857.8063	1588376.9883
PT	5+49.10	326870.0635	1588328.5140
RADIUS: 50.00'			
DELTA: 36° 47' 31.05" RIGHT			
DEGREE OF CURVATURE (ARC): 114° 35' 29.61"			
LENGTH: 32.11'			
TANGENT: 16.63'			
CHORD: 31.56'			
MIDDLE ORDINATE: 2.56'			
EXTERNAL: 2.69'			
LINEAR			
PT	5+49.10	326870.0635	1588328.5140
POE	6+00.00	326919.4089	1588340.9915
TANGENT DIRECTION: N 14° 11' 25.50" E			
TANGENT LENGTH: 50.90			

**VT ROUTE 103 (T.H. 1) ALIGNMENT**  
 HORIZONTAL ALIGNMENT NAME: VT103proposed

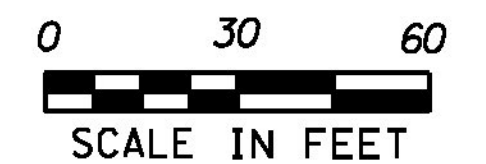
ELEMENT:	STATION	NORTHING	EASTING
LINEAR			
POB	100+00.00	326656.3297	1587862.5569
PC	100+76.24	326656.3326	1587938.7921
TANGENT DIRECTION: N 89° 59' 52.12" E			
TANGENT LENGTH: 76.24			
CIRCULAR			
PC	100+76.24	326656.3326	1587938.7921
PI	101+63.62	326656.3359	1588026.1733
CC		326996.3326	1587938.7791
PT	102+47.30	326870.0635	1588328.5140
RADIUS: 340.00'			
DELTA: 28° 49' 35.70" LEFT			
DEGREE OF CURVATURE (ARC): 16° 51' 06.12"			
LENGTH: 171.06'			
TANGENT: 87.38'			
CHORD: 169.26'			
MIDDLE ORDINATE: 10.70'			
EXTERNAL: 11.05'			
LINEAR			
PT	102+47.30	326698.4706	1588102.7249
POE	104+36.92	326789.9063	1588268.8482
TANGENT DIRECTION: N 61° 10' 16.42" E			
TANGENT LENGTH: 189.62			
CIRCULAR			
PC	104+36.92	326789.9063	1588268.8482
PI	104+98.44	326819.5727	1588322.7471
CC		326176.6610	1588606.3837
PT	105+59.65	326839.3824	1588380.9945
RADIUS: 700.00'			
DELTA: 10° 02' 44.82" RIGHT			
DEGREE OF CURVATURE (ARC): 08° 11' 06.40"			
LENGTH: 122.73'			
TANGENT: 61.52'			
CHORD: 122.58'			
MIDDLE ORDINATE: 2.69'			
EXTERNAL: 2.70'			
LINEAR			
PT	105+59.65	326839.3824	1588380.9945
POE	106+00.00	326852.3738	1588419.1934
TANGENT DIRECTION: N 71° 13' 01.24" E			
TANGENT LENGTH: 40.35			

**CHANNEL ALIGNMENT**  
 HORIZONTAL ALIGNMENT NAME: BR25channel

ELEMENT:	STATION	NORTHING	EASTING
LINEAR			
POB	10+00.00	326788.2249	1588010.1548
POE	13+00.00	326654.6712	1588278.7873
TANGENT DIRECTION: S 63° 33' 54.71" E			
TANGENT LENGTH: 300.00			

**DATUM**

VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (07)



PROJECT NAME:	LUDLOW	PLOT DATE:	8/23/2016
PROJECT NUMBER:	BRF 025-(142)	DRAWN BY:	E.F. LAWES
FILE NAME:	z10J068allgn.dgn	CHECKED BY:	A.P. GUYETTE
PROJECT LEADER:	A.P. GUYETTE	ALIGNMENT LAYOUT SHEET	SHEET 13 OF 73