











Ball Bank Curve Speed Study



Road Name: _____
 Closest Intersection: _____
 Driving Direction: _____
 Distance to Intersection/ Mile marker: _____

Date: _____
 Time: _____ Weather: _____
 By: _____

Speed Driven (mph)	Ball Bank Reading	
	Maximum Allowed (degrees)	Recorded reading (degrees)
15	16°	
20	16°	
25	14°	
30	14°	
35	12°	
40	12°	
45	12°	
50	10°	
55	10°	
60	10°	

# of Curves	Advisory Speed (mph)		
	Less than or equal 20 mph	25 or 30 mph	Greater than or equal 35 mph
1	W1-1  L  R	Turn or Curve signs may be used.*	W1-2  L  R
2	W1-3  L  R		W1-4  L  R
3 or more	W1-5  L  R		

Advisory Speed: _____ mph
 Posted Speed Limit: _____ mph

Note: If the Advisory speed is less than the Posted Speed Limit, an advisory speed plate is required.



W13-1

* The decision should be based on the geometry and general appearance of the particular curve(s)

Recommended Sign (s): _____