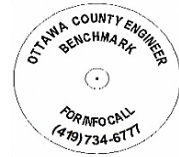




# OTTAWA COUNTY BENCHMARK DATA SHEET



## ALL 54-3.6

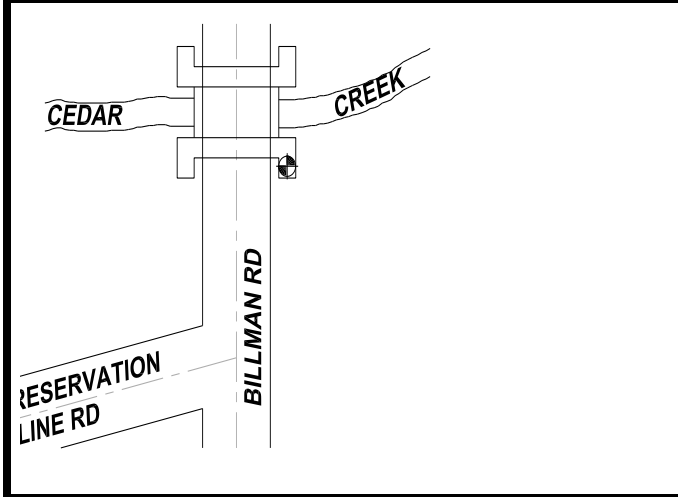
<b>Township</b>	<b>Section</b>	<b>Town</b>	<b>Range</b>	<b>Type of Monument</b>
Allen	32	T8N	R13E	3 1/4" Domed Bronze Disk in Concrete Bridge Wingwall
<b>Set By</b>	<b>Shot By</b>	<b>Calculated</b>	<b>Calculated By</b>	<b>Published</b>
OCE	J. Allen	March 14, 2012	M. J. Wittman, P.S.	March 16, 2012

**Location**

East end south abutment wall of Billman Rd., T.R. #54 bridge over Cedar Creek

Vertical Control		
<b>Vertical Datum</b>	<b>Method</b>	<b>Elevation (U.S. Survey Feet)</b>
NAVD 88	GPS	594.90

Horizontal Control			
<b>Horizontal Datum</b>	<b>Zone</b>	<b>Northing</b>	<b>Easting</b>
NAD 83 CORS 96	OHIO NORTH 3401	709,868.474	1,723,400.503
<b>Method</b>	<b>Latitude</b>	<b>Longitude</b>	
GPS / CORPSCON	41° 36' 41.83821" N	83° 23' 46.68023" W	
<b>Geoid</b>	<b>Scale Factor</b>	<b>Convergence</b>	
GEOID 09	0.999984155	- 00° 35' 19.76859"	



**NOTES:**

1. Monument set: May 6, 2011
2. Data Collected: 1-31-12, 2-16-12, 3-9-12