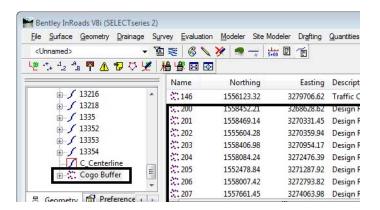
LAB 6 - Reviewing Cogo Points

This lab demonstrates that Cogo points can be reviewed in the InRoads feedback pane and then exported to a text file.

Chapter Objectives:

- Review Cogo points in the feedback pane of the InRoads interface
- Save Cogo points stored in the Geometry Project to a simple text file
- 1. **Open** the MicroStation design file *C:\Projects\12345\ROW_Survey\Drawings\Reference_Files\12345ROW_Model.dgn*
- Open the Geometry Project C:\Projects\12345\ROW_Survey\InRoads\Geometry\12345_ROW.alg that was created in the earlier lab.
- 3. From the Geometry Workspace pane <**R**> on the Geometry Project name *12345_ROW* and select **Set Active** from the fly-out menu.
- 4. In the Geometry Workspace pane review the Cogo Buffer to verify the results by <D> on the *Cogo Buffer* then reviewing the *Feedback pane*.



- **Note:** Cogo points can be assigned either numbers or names. When alpha characters are used, names are case sensitive; RL_10 is not the same point as rl_10.
- 5. **<D>** on the *column* headers **Name** | **Northing** to sort the cogo points in ascending and descending order.
- 6. **<D> hold and drag** a column header to reorder the columns.

7. From the pull down menu select **Geometry > Review Geometry Points** the Review Geometry Points dialog will appear.

🚔 Review Geon	netry Points
Mode: 🔘 Alignm	ent: C_Centerline
All Poi	nts Close
Point	
Name:	5907 • Report
Description:	Centerline of Dirt Road Help
Style:	T_Centerline of Dirt I 👻
Northing:	1555586.76
Easting:	3279672.91
Elevation:	6627.59
Synchronize S	hared Point Elevations 📝 Center in View
Shared Points	
Point Type	Alignment
POE COGO	1313
First	< Previous Next > Last

8. In the *Name* field key-in *200* then the *Tab* key the dialog will display the cogo point information.

🕌 Review Geon	netry Points		
Mode: 🔘 Alignn	nent: C_Centerline	-	Apply
All Poi	ints		Close
Point			Report
Name:	200	+	пероп
Description:	Design Ref line		Help
Style:	ALG_PRO -		
Northing:	1558452.21		
Easting:	3268628.62		
Elevation:	0.00		
Synchronize S	Shared Point Elevations		
Shared Points			
Point Type	Alignment		
COGO			
First	< Previous Next :	>	Last

- **Note:** This dialog can be used to evaluate individual Cogo points (or named geometry points) by navigating with the provided buttons. Also if Center in View is enabled, the MicroStation view will center on the point selected.
- 9. <D> the Next | Previous | First | Last buttons to navigate the cogo points stored in the cogo buffer.

Report Result	s		<u>^</u>	Close
POINT NAME	NORTHING	FASTING	F	Save As
100	1558457.41	3269295.23	-	A 1
102	1558430.90	3266629.98		Append
103	1555770.83	3266639.57		
104	1555781.53	3269304.03		Display
105	1558527.87	3279643.18		_
106	1558562.81	3282329.69		Print
107	1555920.99	3282335.45		-
108	1555884.03	3279671.70	-	Help

10. **<D>** the **Report** button the Results dialog will appear with all the cogo points listed.

- **Note:** This Results dialog will list both Cogo points and named geometry points (named alignment vertices not stored as Cogo points). This is signified by the name of the command used to generate this report Review Geometry Points, not Cogo points. Named geometry points are not written to the Cogo buffer automatically. However they are reserved.
- 11. **<D>** the **Save As** button the Save As dialog will appear.
- 12. Path to the folder *InRoads**Geometry*
- 13. Key-in the file name *GeoPoints.txt*
- 14. **<D>** the **Save** button the file will be stored and the dialog will be dismissed.
- 15. <R> on the Geometry Project name 12345_ROW from the pop up menu <D> Save