



Memorandum

To: E-Distribution

From: David Holien, P.E. *DTH*
Highways Engineer

Date: December 3, 2025

Subject: Contents of Centerline Coordinate Tables from Civil 3D

The purpose of this memo is to inform staff of the changes in the contents of the centerline coordinate tables created in Civil 3D.

Centerline coordinate tables are created using Object Sets within the Project Explorer in Civil 3D. The Project Explorer compartmentalizes design elements by object types. Curve PIs and spiral curve PIs exist in a separate object table from simple curve points, spiral curve points, and tangent-tangent PI points along an alignment chain. Including this information in the centerline coordinate table would require designers to create a separate table containing only this information. Additionally, curve PI data is labeled on PLP sheets in the plans, and XML alignment chains are delivered to Construction with the 963 activity. Because of the difficulties associated with including the curve PI data in the table, this data will no longer be shown in the centerline coordinate table. Effective immediately, centerline coordinate tables will only show the following information:

- Title containing “CENTERLINE COORDINATE TABLE” followed by the alignment’s name
- “STATION” column
- “DESCRIPTION” column containing the following points:
 - Begin and End of Alignment points (BOA and EOA, respectively)*
 - Points of Curvature (PC)
 - Points of Tangency (PT)
 - Tangent to Spiral Points (TS)
 - Spiral to Curve Points (SC)
 - Curve to Spiral Points (CS)
 - Spiral to Tangent Points (ST)
 - Deflection (Tangent-Tangent w/out a curve) Points of Intersection (PI)
- “NORTHING OR Y COORDINATE” column
- “EASTING OR X COORDINATE” column
- “REMARKS” column

- Note at the bottom of the table indicating the name of the design profile associated with the alignment

*BOA and EOA are not representative of the project limits and should extend a minimum of 200 feet beyond the project limits for Right-of-Way Design tapers.

CENTERLINE COORDINATE TABLE - 9727000_RD_PA_MAINLINE				
STATION	DESCRIPTION	NORTHING OR Y COORDINATE	EASTING OR X COORDINATE	REMARKS
2134+00.00	BOA	1,139,772.889	2,819,273.963	BEGIN ALIGNMENT
2166+09.32	PC	1,139,903.395	2,822,480.632	
2178+46.18	PT	1,139,889.969	2,823,716.868	
2488+00.01	PC	1,137,959.842	2,854,610.458	
2494+78.81	PT	1,137,937.529	2,855,288.793	
2494+78.81	PC	1,137,937.529	2,855,288.796	
2501+57.61	PT	1,137,915.215	2,855,967.130	
2521+50.00	EOA	1,137,790.980	2,857,955.645	END ALIGNMENT
PROFILE NAME: 9727000_RD_PP_MAINLINE				

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