

GEOPAK Road Training Class

< **TOPICS COVERED** >

<p>1. Introduction</p> <ul style="list-style-type: none"> - The main project commands - Standard naming convention - Starting GEOPAK - User Preferences - Installation help <p>2. Project Manager</p> <ul style="list-style-type: none"> - Introduction - Accessing project manager - Project manager menu bar - Project users - Road flow chart - Working alignment - Project manager flow chart <p>3. Digital Terrain Modeling</p> <ul style="list-style-type: none"> - Overview - The DTM menu bar - Extract graphics - Build triangles - Load DTM features - Build revisited - Reports - Utilities - Edit tools - Analysis tools - Stroking options <p>4. Horizontal Alignments</p> <ul style="list-style-type: none"> - Introduction - Accessing - Horizontal alignments - Cogo based alignments - Store graphics alignments <p>5. Coordinate Geometry</p> <ul style="list-style-type: none"> - Introduction - Accessing - COGO start up dialog 	<p>5. Coordinate Geometry</p> <ul style="list-style-type: none"> - COGO main dialog - File commands - Store curve from tangents - Store curve from PC&PT - Store spiral - Store chains - Describe/list/print chain - Station chain - Store parcel - Describe/list/print parcel - Locate on element - Locate traverse - Inverse - Navigator - Redraw visualized elements - Redefine - Visualization - Sample output file <p>6. D&C Manager</p> <ul style="list-style-type: none"> - Introduction - Accessing the dialog - File commands - Edit commands - Settings - Favorites - Operational modes <p>7. Plan View Design</p> <ul style="list-style-type: none"> - Introduction - Accessing - DP station/offset - Draw transition <p>8. Existing ground profiles</p> <ul style="list-style-type: none"> - Introduction - Select run - Confirming the results - Drafting the profile 	<p>9. Vertical Alignment Tools</p> <p>10. Pattern Lines</p> <p>11. Existing Ground X-sections</p> <p>12. Ancillary Data</p> <p>13. Cross Section Navigator</p> <p>14. Criteria Files</p> <p>15. Shaped Cross Sections</p> <ul style="list-style-type: none"> - Purpose - Prerequisites - Select run - Proposed X-sections - Drainage - Files - Typical sections <p>16. Earthworks</p> <p>17. Cross Section Sheets</p> <p>18. Plan & Profile Sheets</p> <p>19. Limits of Construction</p> <p>20. Plan View Quantities</p> <p>21. Survey SMD File</p> <p>22. Appendix</p>
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About the Instructor:

Dan Calistrat is a licensed professional engineer in 6 states and has been actively practicing for the past 18 years. After engineering for the land development community, Dan joined GEOPAK where he was instrumental in the development, certification, and training of Bentley civil products. After nearly a decade at GEOPAK, Dan left to implement Bentley software on some of the largest construction projects in the United States.

Dan founded DTM Solutions where he consults with all size firms to make their transition and integration to civil engineering software as seamless as possible. His vision for the firm is based on providing billable solutions to clients in need of civil engineering software training.

Dan holds a B.S. degree in Civil Engineering from Texas A&M University and is an active member of the American Society of Civil Engineers.