

Workflow 3: Blue Tops Report

1. While in the cross section file, open the Project Manager Workflow Dialog Box.

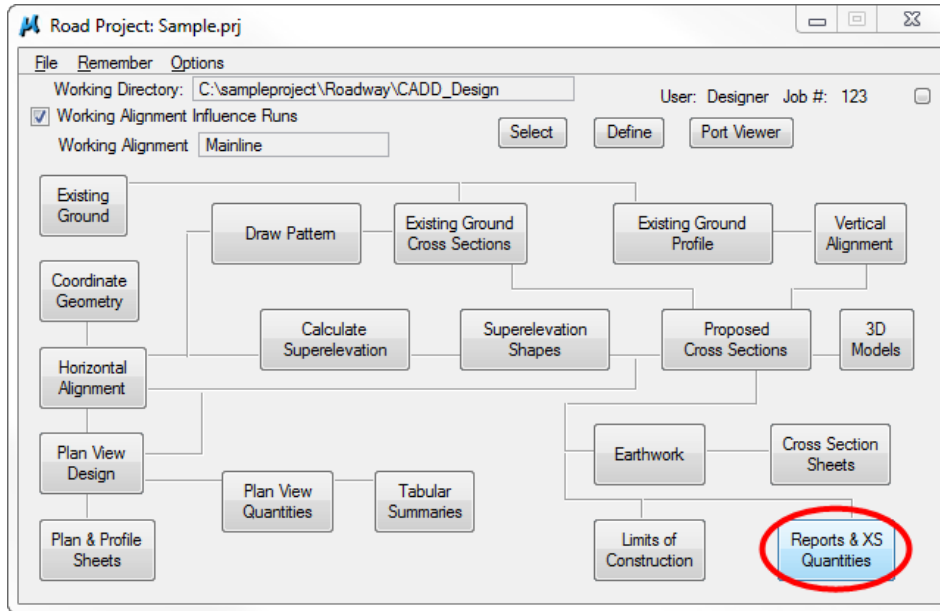


Figure 11.3-1: Accessing Reports from Project Manager Workflow Dialog

Or by selecting the Cross Section Reports icon from the Road Tools Dialog Box.

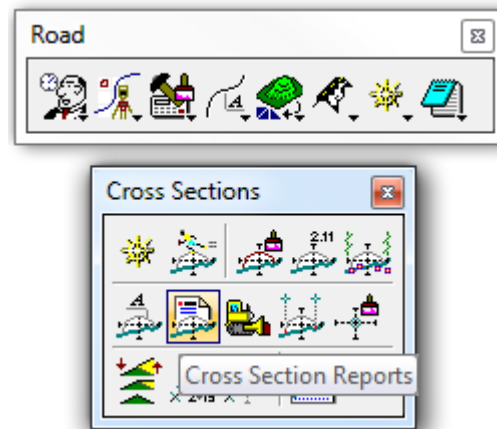


Figure 11.3-2: Reports Dialog Box

Alternatively, reports may be accessed outside of Project Manager Workflow Dialog Box by selecting **Applications>GEOPAK>ROAD>Cross Sections>Reports**.

2. *Select User>Preferences.*

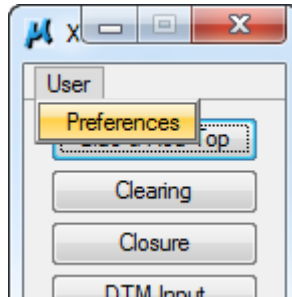


Figure 11.3-3: Reports Dialog Box

3. *Populate the Report headers. Include the Project Number in the Master Header 1 space, and the Road Name in the Master Header 2 space. This information will be put at the top of the report. Close the dialog box.*

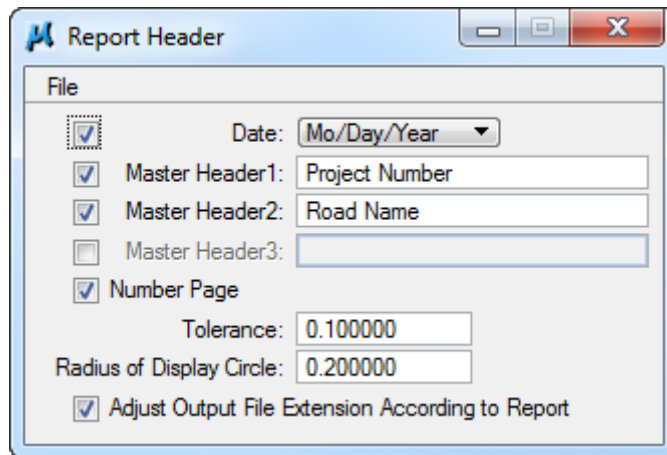


Figure 11.3-4: Report Settings

4. *Select the Blue & Red Top button in the XS Report dialog box.*

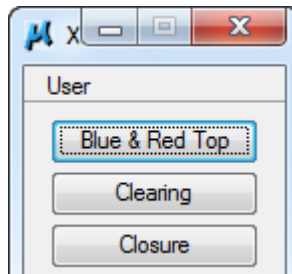
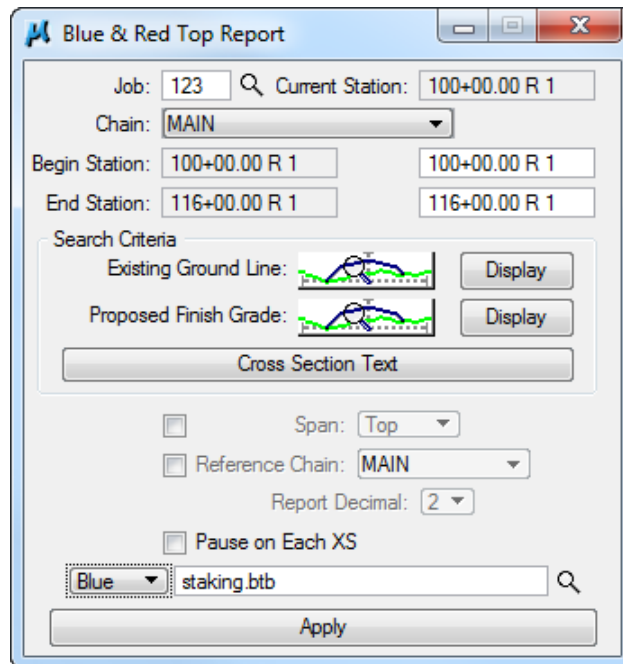


Figure 11.3-5: Blue & Red Top Button

5. *Adjust the Beg Station and End Station to ensure that they are the stations you want.*

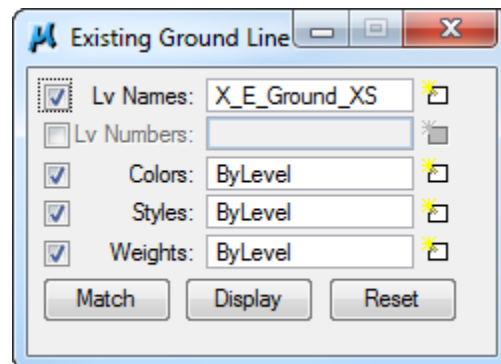


The dialog box is titled "Blue & Red Top Report". It contains the following fields and controls:

- Job: 123
- Current Station: 100+00.00 R 1
- Chain: MAIN
- Begin Station: 100+00.00 R 1
- End Station: 116+00.00 R 1
- Search Criteria:
 - Existing Ground Line: [Preview] [Display]
 - Proposed Finish Grade: [Preview] [Display]
- Cross Section Text: [Button]
- Span: Top
- Reference Chain: MAIN
- Report Decimal: 2
- Pause on Each XS: [Checkbox]
- Blue [Dropdown] staking.btb [Search]
- Apply [Button]

Figure 11.3-6: Blue & Red Top Report Dialog

6. *Select the Existing Ground Line symbology button and set as shown.*

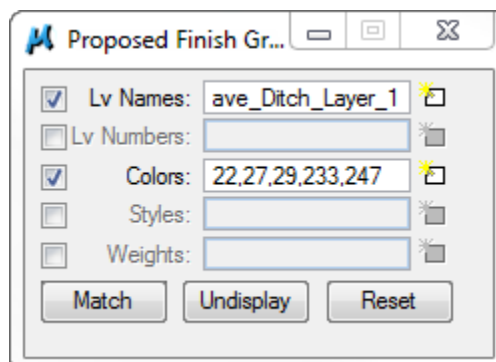


The dialog box is titled "Existing Ground Line". It contains the following fields and controls:

- [Checked] Lv Names: X_E_Ground_XS
- [Unchecked] Lv Numbers: [Field]
- [Checked] Colors: ByLevel
- [Checked] Styles: ByLevel
- [Checked] Weights: ByLevel
- Match [Button]
- Display [Button]
- Reset [Button]

Figure 11.3-7: Existing Ground Symbology

7. *Select the Proposed Finish Grade symbology button and select the bottom of the pavement layer, cut slope and fill slope.*



The dialog box is titled "Proposed Finish Gr...". It contains the following fields and controls:

- [Checked] Lv Names: ave_Ditch_Layer_1
- [Unchecked] Lv Numbers: [Field]
- [Checked] Colors: 22,27,29,233,247
- [Unchecked] Styles: [Field]
- [Unchecked] Weights: [Field]
- Match [Button]
- Undisplay [Button]
- Reset [Button]

Figure 11.3-8: Proposed Finish Grade Symbology

The values shown in the Existing Ground Line and Proposed Finish Grade sections will allow GEOPAK to progress through the top of base course. This is the path needed to get the correct report.



You may need to include the top of pavement symbology if the foreslope has the same symbology along the base course as the pavement section.

8. *Select the Cross Section Text button and enter text points that you want reported. To add a point to the list for the report, type in the Text and Header Label for the point, and select the add button. If you want to change the header or text, highlight the line you want changed, make your modifications and hit modify. To delete a label, highlight the line to delete and pick the Delete button.*

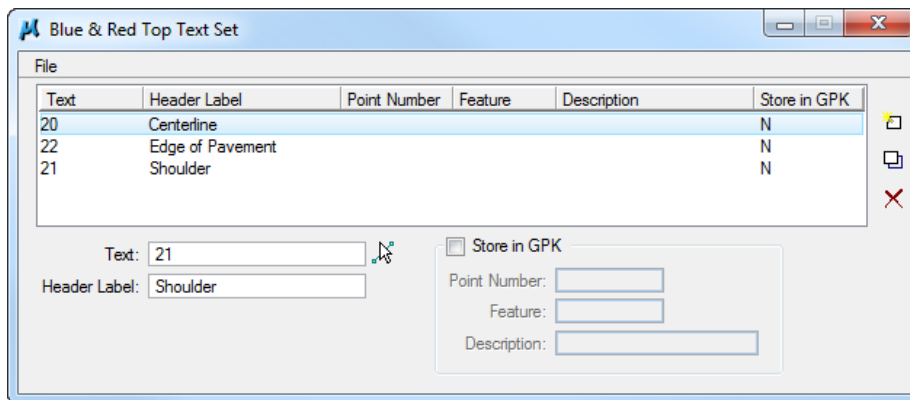


Figure 11.3-9: Text Set Dialog



The text set for your project can be saved as a *.lis file by selecting File>save.

9. *Set the report box to blue, type in the output filename for the report, and select Apply*

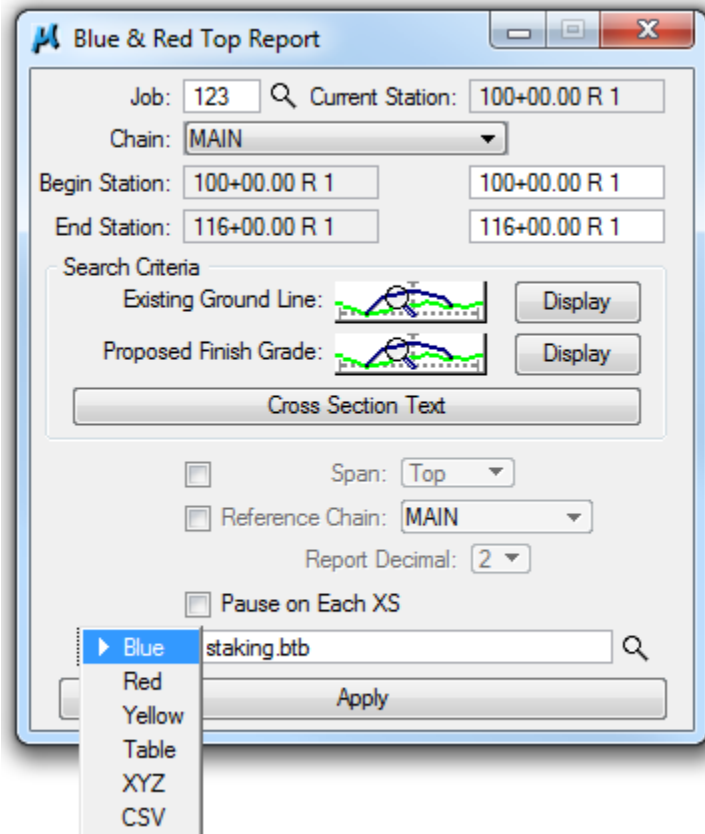


Figure 11.3-10: Blue Top Report Dialog

10. The following report will be created:

09/01/2015		Project Number Road Name BLUE TOPS REPORT(Ft)			
STATION	Edge of PavemenShoulder	Centerline	Shoulder	Edge of Pavemen	
100+00.00R1 [MAIN]	5132.79 -13.09 -0.020	5132.81 -12.00 -0.020	5133.05 0.00 -0.020	5132.81 12.00 -0.020	5132.79 13.09
100+50.00R1 [MAIN]	5132.16 -13.09 -0.020	5132.18 -12.00 -0.020	5132.42 0.00 -0.020	5132.18 12.00 -0.020	5132.16 13.09
101+00.00R1 [MAIN]	5131.53 -13.09 -0.020	5131.55 -12.00 -0.020	5131.79 0.00 -0.020	5131.55 12.00 -0.020	5131.53 13.09
101+50.00R1 [MAIN]	5130.59 -14.00 -0.167	5130.92 -12.00 -0.020	5131.16 0.00 -0.020	5130.92 12.00 -0.020	5130.90 13.09
102+00.00R1 [MAIN]	5129.96	5130.29	5130.53	5130.29	5130.27

Figure 11.3-11: Blue Top Report Output

11. To create a XYZ Blue Top Report change the report box to XYZ, type in the output filename for the report, and select Apply.

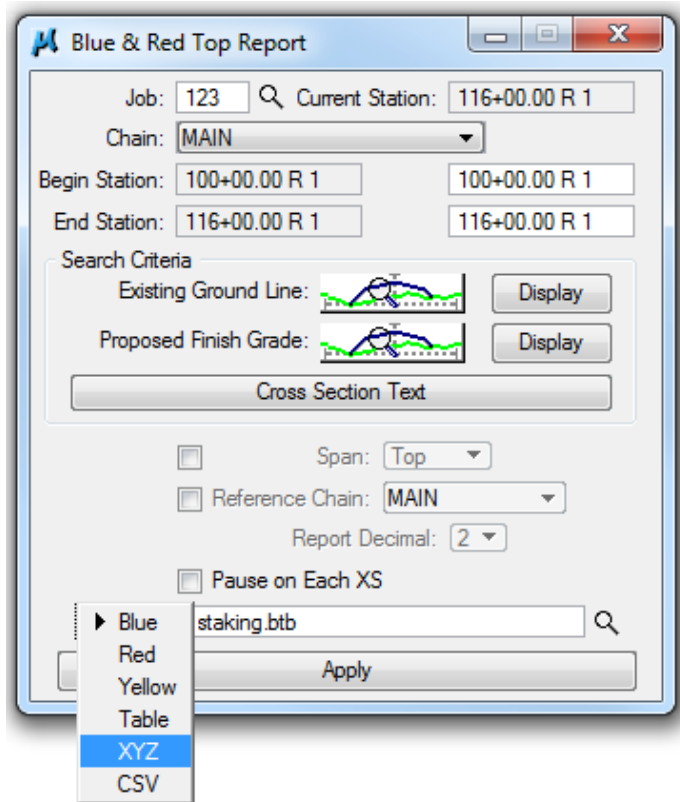


Figure 11.3-12: XYZ Blue Top Report Dialog

12. The following report will be created:

Station	X	Y	Project Number Road Name Z	Offset	ID	SLOPE
100+00.00R1 [MAIN]	2278082.62	7361851.85	5132.79	-13.09	Edge of Pavement	-0.020
	2278082.46	7361850.78	5132.81	-12.00	Shoulder	-0.020
	2278080.63	7361838.92	5133.05	0.00	Centerline	-0.020
	2278078.81	7361827.06	5132.81	12.00	Shoulder	-0.020
	2278078.64	7361825.98	5132.79	13.09	Edge of Pavement	-0.020
100+50.00R1 [MAIN]	2278132.04	7361844.25	5132.16	-13.09	Edge of Pavement	-0.020
	2278131.87	7361843.17	5132.18	-12.00	Shoulder	-0.020
	2278130.05	7361831.31	5132.42	0.00	Centerline	-0.020
	2278128.23	7361819.45	5132.18	12.00	Shoulder	-0.020
	2278128.06	7361818.38	5132.16	13.09	Edge of Pavement	-0.020
101+00.00R1 [MAIN]	2278181.46	7361836.65	5131.53	-13.09	Edge of Pavement	-0.020
	2278181.29	7361835.57	5131.55	-12.00	Shoulder	-0.020
	2278179.47	7361823.71	5131.79	0.00	Centerline	-0.020
	2278177.64	7361811.85	5131.55	12.00	Shoulder	-0.020
	2278177.48	7361810.78	5131.53	13.09	Edge of Pavement	-0.020

Figure 11.3-13: XYZ Blue Top Report Output



The reports should be printed using Ultra Edit. Follow Workflow 11.4 for formatting information.