

Central Federal Lands Highway Division

Project Schedule and Resource Management

Version (Date): July 22, 2005

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| Activity ID: G3 | Activity Title: Geotechnical Reporting and Recommendations |
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Activity Definition: Conduct geotechnical analysis and prepare report with final geotechnical recommendations for earthwork, structure foundations, landslides, material sources, etc.

| Predecessor Activities (ID's) & Relationships (i.e.: FS, SS, or FF) & Time Lag: | Successor Activities (ID's) & Relationships (i.e.: FS, SS, or FF) & Time Lag: |
|---|---|
| 1. Pred: G2 Rel: FS Lag: 0 | 1. Succ: B3 Rel: FF Lag: Varies |
| 2. Pred: H3 Rel: FS Lag: 0 | 2. Succ: D3 Rel: FF Lag: 0 |
| 3. Pred: Rel: Lag: | 3. Succ: G4 Rel: SS Lag: 0 |
| 4. Pred: Rel: Lag: | 4. Succ: Rel: Lag: |
| 5. Pred: Rel: Lag: | 5. Succ: Rel: Lag: |
| 6. Pred: Rel: Lag: | 6. Succ: Rel: Lag: |

- Required Activity Tasks:
1. Prepare "Final Geotechnical Report", including the following:
 - Findings from the G1 preliminary investigation.
 - Regional and local geology, seismicity, and geotechnical/geographical setting.
 - Investigation procedures, methods, and results.
 - Structure/feature analyses and design, including alternative designs (when applicable).
 - Discussion and recommendations (earthwork, excavations, structures, foundations, landslides, material sources, etc.).
 - Constructability issues and considerations.
 - Compilation of final location maps, boring logs, laboratory test results, project photos, geophysical test results, relevant plan/profile sheets, etc.
 - Special Contract Requirements (SCR's).
 2. Issue supporting technical memoranda, as needed.
 3. Review 50% and 70% PS&E plans and participate in field reviews.