

Central Federal Lands Highway Division

Project Schedule and Resource Management

Version (Date): January 16, 2004

Activity ID: D3	Activity Title: Develop 70% PS&E
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Activity Definition: Develop and distribute (70%) detailed plans specifications and estimate (PS&E) package.

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: D2.1SV Rel: FS Lag: 0	1. Succ: D3PR Rel: SS Lag: 0
2. Pred: D2SV Rel: FS Lag: 0 (if no 2.1)	2. Succ: B3 Rel: SS Lag: 0
3. Pred: E3 Rel: FS Lag: 0	3. Succ: D4 Rel: FS Lag: 0
4. Pred: G3 Rel: FF Lag: 0	4. Succ: S4 Rel: FS Lag: 0
5. Pred: H3 Rel: FF Lag: 0	5. Succ: R3 Rel: FS Lag:
6. Pred: Rel: Lag: 0	6. Succ: Rel: Lag:
7. Pred: Rel: Lag: 0	7. Succ: Rel: Lag:

- Required Activity Tasks:
- DESIGN/PLANS**
1. Incorporate comments from 30% (or 50%) field review.
 2. Revise and update earthwork.
 3. Develop approach road/parking area/pullout layouts.
 4. Determine utility coordination and adjustment details.
 5. Develop environmental mitigation features and commitments.
 6. Determine permit requirements and support the application process.
 7. Refine the major structure design.
 8. Develop safety design.
 9. Complete, or update, draft Highway Design Standards form.
 10. Develop drainage design.

11. Revise erosion control design concept and develop preliminary erosion control plan sheets.
12. Revise plan and profile sheets.
13. Calculate quantities and develop bid tabulations.
14. Develop details and specials as necessary.
15. Verify that the most up-to-date standards are included.

SCR's

16. Develop draft SCR's

ESTIMATE

17. Develop/update the unit price analysis.
18. Complete the Engineer's Estimates (Class "B" estimate)
19. Provide a copy of the quantity calculations along with supporting documentation.

SCHEDULE

20. Develop a CPM construction schedule for FHWA review.

REVIEW

21. Assemble, print and distribute the 70% package to internal and external agencies.
22. Schedule and coordinate 70% field review (if necessary)

23. **For A/E projects:**

- Assist PM in writing scope of work & IGE as requested
- Assist PM in negotiations as requested.
- Attend progress meetings as requested
- Items 21 and 22 (above) only apply to outsourced A/E projects