

Central Federal Lands Highway Division

Project Schedule and Resource Management

Version (Date): Dec 11, 2003

Activity ID: H1	Activity Title: Preliminary Hydraulic Recommendations
-----------------	---

Activity Definition: Initial hydrology/hydraulics survey to determine the preliminary structural requirements and water resources impact.

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: P1 Rel: FS Lag: 0	1. Succ: B2 Rel: FS Lag: 0
2. Pred: Rel: Lag:	2. Succ: E2 Rel: FS Lag: 0
3. Pred: Rel: Lag:	3. Succ: H2 Rel: FS Lag: 0
4. Pred: Rel: Lag:	4. Succ: D1 Rel: FF Lag: 0
5. Pred: Rel: Lag:	5. Succ: Rel: Lag:
6. Pred: Rel: Lag:	6. Succ: Rel: Lag:

Required Activity Tasks:

1. Reconnaissance – Document Project Scope; Complete Hydraulic Task Order Agreement; gather hydrologic and hydraulic data; perform hydraulic site investigations, initial structural type (i.e. culvert, bridge, other); define computational methods; perform preliminary hydrologic computations; assess potential floodplain encroachments; assess potential water rights and resource impacts; assess channel stability and potential restoration needs; complete hydraulic site investigation report for review and comments.

2. Preliminary Floodplain Analysis – Initiate needed Federal Emergency Management Agency (FEMA) coordination; evaluate floodplain site regulations and compliance requirements; refine hydrology for floodplain analysis; assess project environment and existing hydraulic conditions; assist with stream corridor and wetland determinations.