

MEETING MINUTES

Bored Tunnel Design Criteria and Design Approval Scoping

Date: January 20, 2009

Time: 9:30 am – 11:00 am

Location: 24th Large Conference Room

Lead: Alec Williamson

Purpose: Develop an implementation plan for design criteria and design approval for outbrief to upper management on or about January 23, 2009.

Attendees:

Alec Williamson

Mark Bandy

Mike Grigware

John Klockenteger

Lee MacClellan

Gordon Clark (PB)

Ben Rodenbough (PB)

Sara Schmitt

Jim Robison (PMAC)

Chris Ludington (PMAC)

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I Meeting Purpose – Alec Williamson

- Develop an “implementation plan” within 2 weeks for use by upper management in communications with HQ and the state legislature
- Discuss and brief HQ Design on the bored tunnel concept
- Brainstorm the design steps and approach that will need to be taken to achieve an aggressive schedule of tunnel open to traffic by the end of 2015.
- A set of basic configuration plans must be delivered to the environmental team by June 1, 2009 to meet the schedule.

II Brainstorming - All

- It was agreed that the following issues need resolution/decision making by March 1, 2009:
 - Design matrix selection
 - Possibly a corridor analysis if needed
 - Design speed
 - Horizontal alignment
 - Vertical alignment
 - Bored and cut and cover portal locations
 - Maximum grade (ramp and mainline)
 - Geometric cross section
 - Access control approach – limited or managed, and the limits
 - Boring plan for phase 1 geotechnical
 - Contracting/packaging approach???
 - Preliminary egress/ventilation approach recommendation
- The following items need to be done by June 30, 2009:
 - Draft right-of-way and access plans
 - North and South Portal Interchange design
 - Design Approval Package
 - Tolling Facilities or Infrastructure needs
 - Tunnel Systems Criteria (ventilation approach and validation)
 - Preliminary design drawing set for EIS production
 - Phase 1 geotechnical investigations and preliminary report
- Other ideas expressed at the meeting:
 - May want to contract portal interchanges and south portal TBM launch pit separately from tunnel drive and finish to expedite schedule
 - Close coordination with UCO, HQ and FHWA will be critical in expediting the process
 - Traffic data and analysis will be required to establish a north portal interchange configuration which could delay the design.
 - Interface with the Holgate to King project will be important
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III Next Steps/Action Items

- Summary of this meeting – Alec
- Schedule update and transmittal to group – Chris
- Project Summary revisions check – Sara
- Outbrief to John White and Matt Preedy - Alec

Additional thoughts-

- Need to begin inventory and assessment of building foundations as soon as the tunnel alignment is firmed up.
- Setting the design criteria early will allow many other critical activities to proceed
- May need an IJR (Interchange Justification Report) if limited access is obtained-need to confirm this and put it into the schedule if needed.
- The access hearing (if needed) needs to be scheduled concurrent with the DEIS.
- Early acquisition of the south portal area is important
- Others???