

## VandenBerghe, Alissa (Consultant)

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**From:** Conner, Bill (Consultant)  
**Sent:** Thursday, March 12, 2009 7:50 AM  
**To:** Williamson, Alec; Phelps, Don (Consultant)  
**Cc:** Clark, Gordon T. (Consultant); Rigsby, Mike (Consultant)  
**Subject:** RE: Draft Message for New Tunnel Scope  
**Follow Up Flag:** Follow up  
**Flag Status:** Red

Alec,

Thanks for the clarification regarding the new configuration. Will go with the 5-10 cross section range of sketches. We should be able to "draw circles" for quite some time before we have to settle on one set of dimensions to meet the 30 June deadline.

Will get the team mobilized and try to have something by Wednesday.

Bill

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**From:** Williamson, Alec  
**Sent:** Wednesday, March 11, 2009 5:23 PM  
**To:** Conner, Bill (Consultant); Phelps, Don (Consultant)  
**Cc:** Clark, Gordon T. (Consultant); Rigsby, Mike (Consultant)  
**Subject:** RE: Draft Message for New Tunnel Scope

Hi Bill- Thanks for summarizing this discussion from earlier today. I agree with your email with a few exceptions. This is not a new scope of work but a request to look at a range of cross sectional sketches that will better inform the decision making process by highlighting trade-offs in design standards and constructability. I am thinking we should see about 5-10 different possible tunnel cross section sketches for discussion. We would like to see them and discuss them with your team around Wednesday of next week. Will that work for you?

Also, to clarify we are not suggesting that this effort will determine a new configuration at this early stage of conceptual development. We are still committed to development of an EIS configuration plan set by June, and I believe that the cross sectional configuration will not be a factor in delivery of that plan set. It will be a big issue when we eventually issue an RFQ and RFP for the design build project, but that won't be critical for a while.

Thanks,  
Alec

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**From:** Conner, Bill (Consultant)  
**Sent:** Wednesday, March 11, 2009 2:10 PM  
**To:** Phelps, Don (Consultant)  
**Cc:** Williamson, Alec; Clark, Gordon T. (Consultant); Rigsby, Mike (Consultant)  
**Subject:** Draft Message for New Tunnel Scope

Don,

Per our discussion this afternoon, here is a draft e-mail message directing the team to perform new scope work for the bored tunnel:

TITLE: "New Bored Tunnel Configuration"

OBJECTIVE: "Conceptual design of a bored tunnel configuration that enables construction of tunnel interior that coincides with driving of tunnel and also simplifies the interior design."

ASSUMPTIONS:

- "1. Sidewall is non-structural (continuous slab design)
2. Shoulder width is consistent with or without egress (safety consideration)
3. Sidewalls are continuous without step-ins (constructability and safety considerations)
4. Sufficient below deck clearance to permit segment cars and pipes"

TASK: "Develop a new configuration sketch that:

1. Provides a vertical clearance in the range of 15.5' to 16.5'
2. Provides below slab clearance in the range of 6' to 8'
3. Provides shoulders in the range of 8' and 4' to 8' and 2'
4. Provides an overall tunnel outer diameter of 54' to 56"

Bill