
From: Ralph Iboshi [ralph.iboshi@kpff.com]
Sent: Wednesday, November 19, 2008 3:21 PM
To: Williamson, Alec; Clark, Gordon T. (Consultant)
Cc: Rigsby, Mike (Consultant); Parsons, Jim
Subject: RE: Latest SR 99 Scenarios G and H

Hi Alec,

I had assumed that the cost estimates were based on the scenarios, so I stand corrected. So the new hybrid lengths are:

$G = 4600 \text{ lf} + 200 = 4800 \text{ lf}$ and $H = 2400 + 600 = 3000 \text{ lf}$ as noted in your email. Also for F the bored tunnel I assume the length is $10,000 \text{ lf} \times 2 = 20,000 \text{ lf}$ total of 43' O.D. tunnel.

Thanks,
Ralph

From: Williamson, Alec [mailto:WilliAR@wsdot.wa.gov]
Sent: Wednesday, November 19, 2008 2:34 PM
To: Ralph Iboshi; Clark, Gordon T. (Consultant)
Cc: Rigsby, Mike (Consultant); Parsons, Jim
Subject: RE: Latest SR 99 Scenarios G and H

Hi Ralph- Here are the latest tunnel lengths in response to your question. These are what the current cost estimates are based on. I believe that the lengths you have were in the original scenarios, while the numbers I show below are the latest "hybrid" numbers. Both options G and H got longer, but H increased in length by 600 feet while G only increased by 200 feet. The hybrid H was developed and priced at your request, given that you wanted the lidded trench to function more like a bypass tunnel and less like an arterial with intersections. Consequently, the length went up, and the cost also went up.

Gordon did check the unit costs, and based on these new lengths, option H is about 5% higher in unit cost. We can discuss that further with you, but I don't think it is the most productive discussion we could be having.

Scenario F Bored Tunnel:

Approximately 10,000 linear feet, two 12' travel lanes in each direction, 2' and 4' shy distance and a 4' continuous walkway in each direction

Scenario G Cut and Cover Tunnel

Approximately 4,800 linear feet, two 12' travel lanes in each direction, 4' left shy distance and 10' right shoulder each direction

Scenario H Lidded Trench

Approximately 3,000 linear feet, two 12' travel lanes in each direction, 4' left shy distance and 10' right shoulder each direction

From: Ralph Iboshi [mailto:ralph.iboshi@kpff.com]
Sent: Tuesday, November 18, 2008 6:54 PM
To: Clark, Gordon T. (Consultant)
Cc: Rigsby, Mike (Consultant); Williamson, Alec; Parsons, Jim

Subject: Latest SR 99 Scenarios G and H

Hi Gordon,

All the scenarios I've seen have the same lengths for G and H at 4600 lf and 2400 lf respectively. Do you have any later drawings or files of the scenarios that have different lengths? If you do, please send it to me. I'll be at the hybrid workshop tomorrow so I could pick it up if you have it available.

Thanks,

Ralph