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**From:** Grotefendt, Amy (Consultant)  
**Sent:** Tuesday, February 03, 2009 8:16 PM  
**To:** White, John; Paananen, Ron  
**Subject:** FW: Tunnel from France to England

Here is the proposed response (fact checked by Harvey and Reilly). If it looks okay, I'll forward to Amanda. Thanks.

England and France are connected under the British Channel by a 31-mile long bored tunnel that carries high-speed Eurostar passenger trains. At its lowest point the tunnel is 250 feet deep. It has the longest undersea portion of any tunnel in the world. Eleven tunnel boring machines were used on both sides of the British Channel to cut through chalk (soft rock) under the channel to construct two tunnels and a service tunnel. The two rail tunnels are 28.5 feet in diameter; the service tunnel is located between them and is 18.5 feet in diameter.

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**From:** Dye, Dave  
**Sent:** Mon 1/26/2009 5:21 PM  
**To:** Paananen, Ron; Grotefendt, Amy (Consultant)  
**Subject:** FW: Tunnel from France to England

Please follow up when we get a chance...thanks all!

-dave

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**From:** Cecil, Amanda [mailto:Cecil.Amanda@leg.wa.gov]  
**Sent:** Monday, January 26, 2009 5:18 PM  
**To:** Dye, Dave  
**Subject:** Tunnel from France to England

Dave,

I wanted to follow up with you on Senator Jacobson's question about the tunnel from France to England. Can you confirm if this was deep bore and any other interesting details?

Thanks!

:0) Amanda

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