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**From:** Jarnagan, Harry (Consultant)  
**Sent:** Wednesday, January 21, 2009 2:26 PM  
**To:** White, John; Preedy, Matt; Greco, Theresa; Williamson, Alec; Madden, Tom; Benito, Roland; Sowers, David; Amiri, Ali; Lacy, Paul; Anderson, Mark - UCO; Johnson, Paul (UCO); Johnson, R. Paul ; Robison, Jim (Consultant); Morrison, Mike (Consultant); Smith, Brian (Consultant); Lemus, Rudy (Consultant); Anderson, Ward; Ellington, Larry (Consultant); Stagner, Karen (Consultant); Oblas, Vic (Consultant); Ludington, Chris (Consultant); Laird, Linea; Visconty, Sasha (Consultant); Mattern, Dave (Consultant); Freudenstein, Angela; Reilly, John; Struthers, James; Dyer, Bob; Stone, Craig; Paananen, Ron; Smith, Rick (UCO); Smith, Helena Kennedy; Allen, Tony; Kapur, Jugesh; Bakotich, Pasco; Boyd, Nancy; Rigsby, Mike (Consultant); Clark, Gordon T. (Consultant); Conte, Rick (Consultant); Mansfield, Cliff (Consultant); Korpi, Dave (Consultant); Van Ness, Kristy (Consultant); Grotefendt, Amy; Grotefendt, Amy (Consultant); 'Mauss, Stephen'; Klingman, Kathy; Tharp, Fred; Baker, Tom; Brown, Lloyd; Hopkins, David A.; Chandler, Bob (Consultant); Johnson, Mike ; Powers, Bob; 'bob.chandler@seattle.gov'; 'Eric Tweit'; 'Steve Pearce'; Dye, Dave; Rossi, Kathy (Consultant)  
**Subject:** Material from Brown Bag Presentation on Bored Tunnel Construction  
**Attachments:** Settlement Control 1-20-09.pdf; Soft Ground Tunneling w Boring Machines 1-20-09.pdf

Thanks, everyone, for attending the class given yesterday about Tunneling and Settlement Control that was given by John Townsend and Lee Abramson of Hatch Mott MacDonald. We hope that you found it informative.

Attached below are PDF versions of John's and Lee's presentations for your files and reference. Please let us know if you have any questions concerning it.

Thanks again.



Settlement Control 1-20-09.pdf...    Soft Ground Tunneling w Boring..

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