



TR-040675 (P)

RECEIVED  
ORDS MANAGEMENT  
04 APR -9 AM 9:22  
STATE OF WASH.  
IL. AND TRANSP.  
COMMISSION

April 7, 2004

Mr. Ahmer Nizam  
Rail Safety Manager  
Washington Utilities & Transportation Commission  
1300S Evergreen Drive, SW  
Olympia, WA 98504

**Re: Sound Transit Central Link Light Rail Project  
Second Request for Exemption from WAC 480-60-020 and WAC 480-60-040**

Dear Mr. Nizam:

Following my letter of March 24, 2004 on this subject, I realized that a clearance exemption for the proposed Beacon Hill Tunnel will also be required where the vertical clearance from top of rail (TOR) to the roof of the tunnel will be less than twenty-two feet six inches above TOR as required by WAC 480-60-040(3). Please see the attached plan and sketch for dimensions and details of Sound Transit's current design. The Beacon Hill Tunnel will consist of two 18'-10" (inside diameter) bores each approximately 5,000 ft. long, with a deep mined passenger station at roughly the mid-point. The proposed TOR elevation through the main tunnel is proposed to be a minimum of 15'-9" below the crown of the tunnel. The 1.5 kV DC overhead contact wire will generally be 15'-0" above TOR through the tunnel.

We request the Commission grant a vertical clearance exemption for construction and operation of the Link Line at this location since the Link Light Rail tracks will be in a dedicated guideway, operated exclusively for light rail, and designed in accordance established Link Design Criteria, which have been adhered to here, as well as throughout the system.

If you or the Commission should require any further information regarding this request, please do not hesitate to contact the undersigned at (206) 398-5404.

Sincerely,

John A. Harrison, PE  
Initial Segment Project Manager

Attachments

Cc: Ahmad Fazel, Joseph Gildner, Ron Lewis, Mike Williams, LDCC

Chair

John Ladenburg  
Pierce County Executive

Vice Chairs

Greg Nickels  
Seattle Mayor

Mark Olson  
Everett Councilmember

Fred Butler  
Issaquah Deputy Council  
President

Jack Crawford  
Kenmore Councilmember

David Enslow  
Summer Councilmember

Doug MacDonald  
Washington State Department  
of Transportation Secretary

Connie Marshall  
Bellevue Mayor

Richard McIver  
Seattle Councilmember

Julia Patterson  
King County Councilmember

Dwight Pelz  
King County Councilmember

Kevin Phelps  
Tacoma Councilmember

Larry Phillips  
Chair, King County Council

Aaron Reardon  
Snohomish County Executive

Ron Sims  
King County Executive

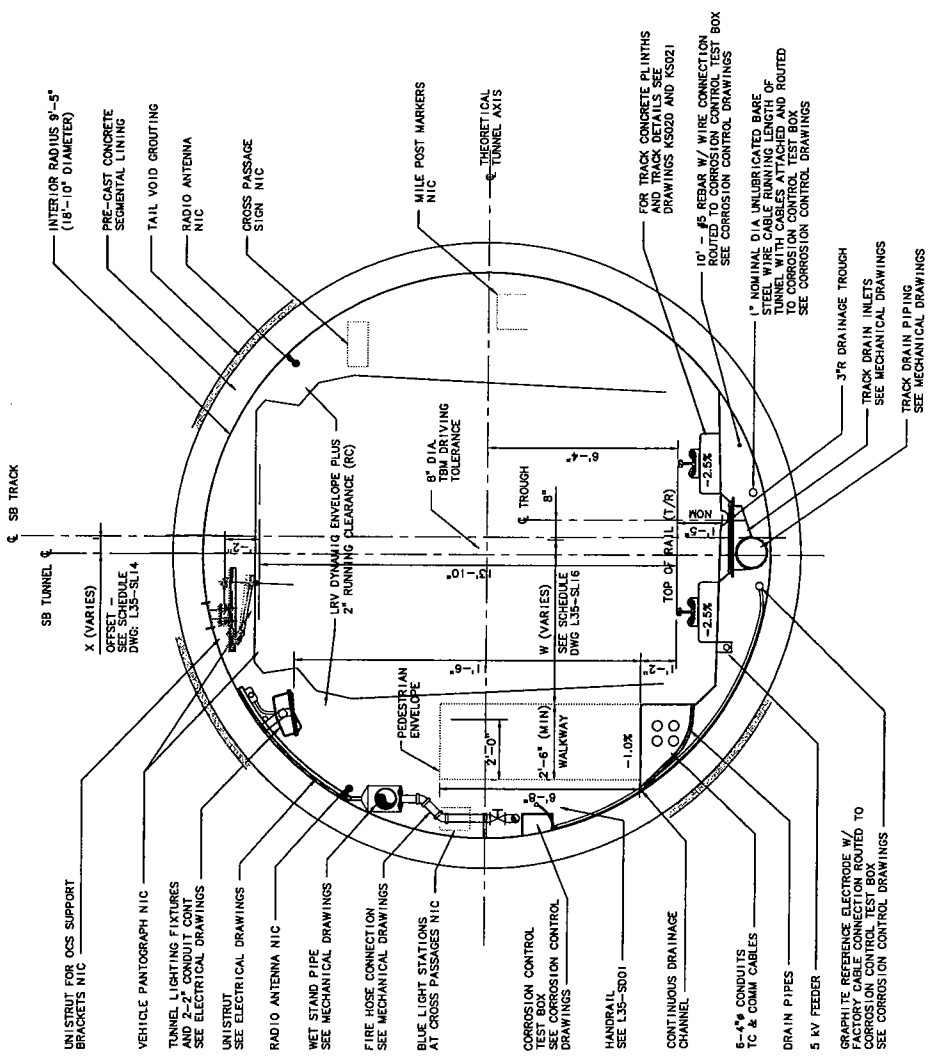
Claudia Thomas  
Lakewood Councilmember

Pete von Reichbauer  
Vice Chair, King County  
Council

Chief Executive Officer  
Joni Earl

**BORED TUNNELING GENERAL NOTES:**

- EQUIPMENT AND SYSTEMS ARE DIAGRAMMATIC ONLY. USED TO ILLUSTRATE SPACE ALLOCATION ON REQUIREMENTS. DIMENSIONS SHOWN FOR EQUIPMENT ARE NOMINALLY COINCIDE AS SHOWN. REFER TO APPROPRIATE EQUIPMENT AND SYSTEMS DRAWINGS FOR ACTUAL DIMENSIONS AND DETAILS.
- SIGNALING EQUIPMENT IS SHOWN TO IDENTIFY "WORST CASE" SCENARIOS. DIMENSIONS AND SPACES NOT NECESSARILY REPRESENT ACTUAL EQUIPMENT TO BE USED.
- DRAWING IS FOR TANGENT TRACK. CLEARANCES ON CURVED OR SUPERELEVATED TRACK MAY PRECLUDE CERTAIN MOUNTING ARRANGEMENTS AND SPACE ALLOCATIONS.
- RELATIVE LOCATION OF EQUIPMENT FROM CENTERLINE OF TRACK MAY VARY DUE TO CONSTRUCTION TOLERANCES.



**RUNNING TUNNEL SECTION**  
SB TANGENT TRACK SHOWN, NB OPP HAND



<b>City of Seattle</b> Dept. No. _____ Div. _____ Date _____ Appr. _____ Rev. _____		Prepared By: T. GREGOR Drawn By: M. WHITE Checked By: R. STEWART Approved By: _____		Scale: 1/2" = 1'-0" Filename: C:\DLS_SX01.dwg Contract No.: C 710 Date: 7/18/03		<b>SOUNDTRANSIT</b> Date: _____ Approved: _____		<b>JE JACOBS CIVIL INC</b> Submittee: _____		<b>LINK LIGHT RAIL PROJECT</b> SOUTH CORRIDOR BEACON HILL STATION & TUNNEL RUNNING TUNNELS TYPICAL CROSS SECTION & BORED TUNNELING GENERAL NOTES		Drawing No.: L35-SX01 Vault File No.: 231-710 Sheet No.: 102 Rev: _____	
--	--	--	--	--	--	---	--	--	--	---	--	--	--

NO.	DATE	REVISIONS
1		
2		

343206  
 07/18/03 15:48:11 b:\mtrd\0EW2507445

