



BEACON HILL LINK LIGHT RAIL Construction Update

Update No. 2 in 2006

February 7, 2006

Tunnel boring machine starts digging the Beacon Hill tunnel

In late January, the tunnel boring machine (TBM) started digging the Beacon Hill tunnel's southbound tunnel. The initial tunneling is proceeding carefully and slowly, as the TBM pushes off against a jacking frame and cuts through a concrete headwall. The initial mining – approximately 400 feet – will take place through the end of February.

The contractor will then install a “continuous conveyor belt” from the portal to the TBM. The TBM is expected to operate only during the day until it reaches the Beacon Hill Station. In this stage and after the initial 400 feet, the TBM is expected to advance 15 feet per day. Later in the project, the tunneling work will take place around the clock and the TBM would then move up to 50 feet per day. As it advances, the TBM moves the excavated material (spoils) out the back of the tunnel with a conveyor system.

開始挖掘 Beacon 隧道。
Se inicia la excavación del túnel en Beacon Hill.
Khởi công đào Beacon Tunnel.

TBM starts digging at the west portal (right)

Operator in the cab behind the TBM (below)



Pre-cast tunnel liner segments at the west portal

Pre-cast liner segments have been brought in and are assembled immediately behind the machine to provide structural support and prevent settlement in the surrounding ground. The TBM also will push against this liner to move forward.

Tunneling on the southbound tunnel should be complete in fall 2006. When the TBM exits the east portal, it will be removed, taken apart, and returned to the west portal to dig the northbound tunnel. Excavated material will be removed from the tunnel at the west portal only (located between Airport Way and I-5 just north of the Tully's Coffee plant).



Mining the station's underground concourse

Beacon Hill Station

Mining the underground concourse. Obayashi continues to construct the station's underground concourse, using the sequential excavation mining technique. This work occurs around-the-clock.

Auxiliary shaft. In February, the contractor will begin excavating the station's second shaft, located inside the noise wall near the corner of South Lander Street and 17th Avenue South. This work also takes place around-the-clock and will be very similar to the main shaft's excavation.

Construction Hotline. If you have construction-related concerns, please call the 24-hour construction hotline at 1 (888) 298-2395.

Mount Baker Station Area

Columns. The drilled shafts in and around the Mount Baker Station area are complete, and columns are being constructed on top of those shafts, using rebar cages and concrete. The columns for the station and elevated trackway are expected to be completed by early March.

Installing falsework. The elevated trackway structure is being constructed in sections. A type of scaffolding called falsework is being installed in between the columns. After the falsework and forms are in place, concrete is poured to create the elevated trackway structure. The falsework will be in one location for a few months and then will move over to the next section to repeat the process.

Obayashi is pouring the concrete for the elevated trackway in between 26th & 27th Avenues. The contractor also is starting to install the next section of falsework at the intersection of Forest Street and 27th Avenue. While they build this section of the elevated trackway, 27th Avenue in between Forest and Stevens Streets will be temporarily closed. Please use Winthrop Street to access the Grocery Outlet.

For More Information

For more information about the Beacon Hill Tunnel and Station and the Mount Baker Station, please contact Liz Ellis at (206) 398-5283 or ellis@soundtransit.org.



*Pouring concrete for the elevated trackway (above)
Constructing columns for the Mount Baker Station
(below)*

Beacon Hill Public Meetings

Sound Transit holds regular meetings about the Beacon Hill project to explain upcoming construction activities and answer your questions. The next meeting will be held:

Monday, Feb. 27
6:30–7:30 p.m.
Beacon Hill Library Meeting Room
2821 Beacon Ave S.

Actualización de construcción para el Riel ligero en Beacon Hill. Para mayor información, por favor llame al (206) 398-5000 durante horas normales de oficina.

碧肯山 (Beacon Hill) Link 輕鐵建造最新資訊。若要獲取詳細資訊，請在正常的工作時間內致電 (206) 398-5000。

Cập nhật tin tức xây cất đường hỏa xa nhẹ Link tại Beacon Hill. Muốn biết thêm chi tiết, xin gọi số (206) 398-5000 trong giờ làm việc bình thường.



SOUNDTRANSIT
401 S. Jackson St
Seattle, WA 98104-2826

**Beacon Hill light rail meeting:
Feb. 27 at Beacon Hill Library**

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