



East Link Extension

Central Bellevue Light Rail Operational Noise
Light Rail Permitting Citizen Advisory Committee
June 3, 2015

City of Bellevue Light Rail CAC

Central Bellevue Operational Noise Mitigation

- Types of barriers and noise mitigation measures
- Wall heights and locations

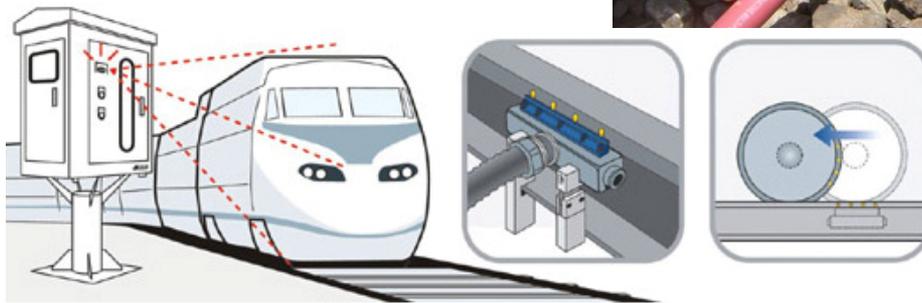
Operational Mitigations Measures

- Sound walls
 - Wall 1: 6 ft above ground level at ROW line
 - Wall 3: 6 ft above top of rail
- Acoustic panels on elevated guideway at Coast Hotel
 - Wall 2: 3 ft above top of rail
 - Sound attenuating composition
 - Stainless steel or aluminum



Additional Operational Mitigations Measures

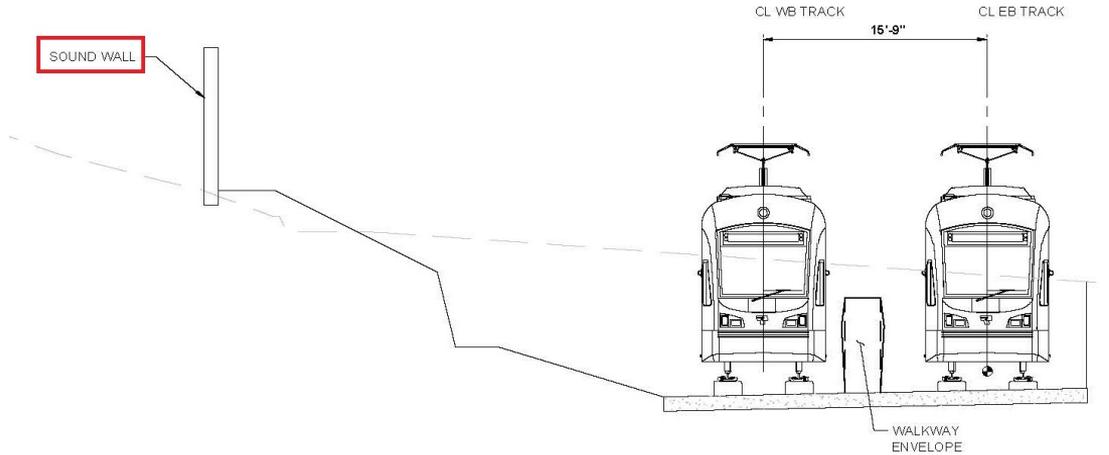
- Track lubricators installed on curves with radius < 600 ft. (EB & WB track)
 - North of East Main Station
 - West of BTC Station
 - East of I-405 as track transitions to BNSF
- Reduced PA volume during nighttime hours



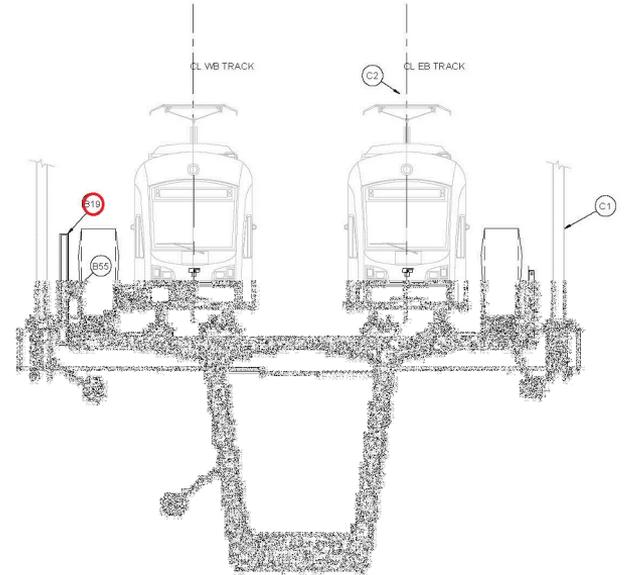
Rail Lubricator near Mt. Baker Station



Barrier Details



112th Ave NE

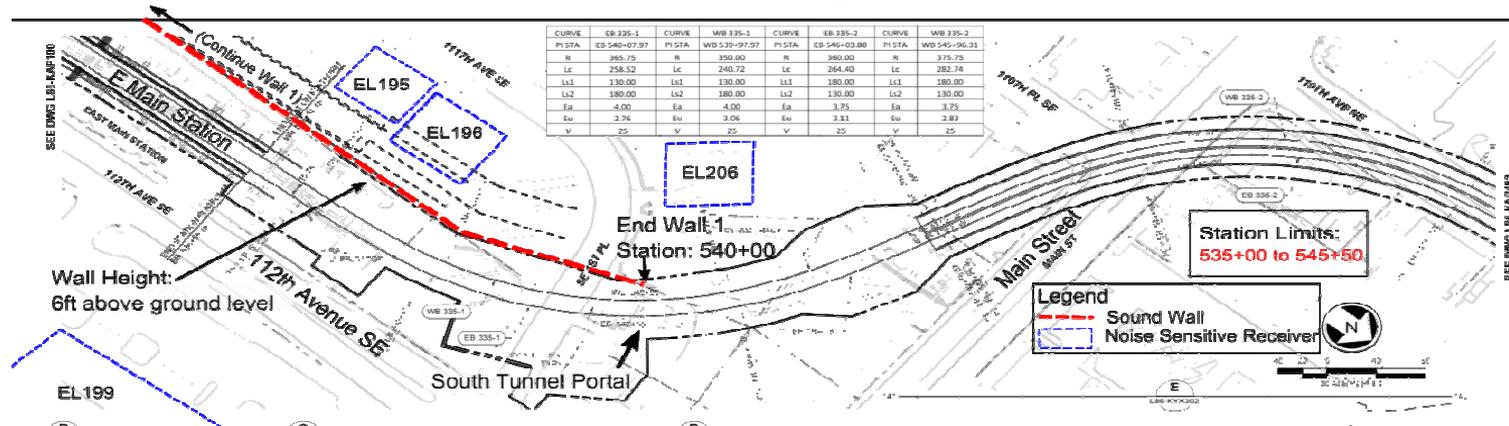
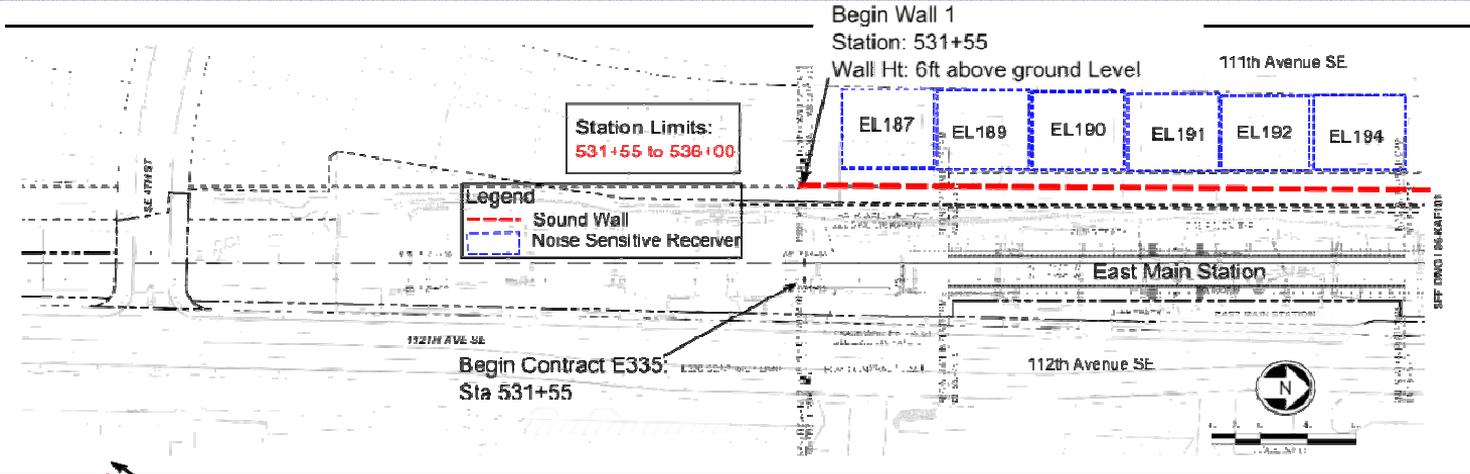


Aerial Guideway: Typical X-Section

Central Bellevue: Sound Wall Lengths & Heights

Wall	Start Station	End Station	Wall Length	Wall Height	Wall Location	Comments
1	WB531+55	EB540+15 South Tunnel Portal	860 ft	6 ft above ground level at ROW line	Along WB right-of-way line	Near south tunnel portal, wall is to be a continuation of the E320 Sound Wall 4.
2	EB577+00	EB583+00	600 ft	3 ft above top of rail	Along east edge of EB guideway	Mitigation for Coast Bellevue Hotel
3	EB601+50	EB609+50	800 ft	6 ft above top-of-rail	Along east edge of EB guideway and at-grade trackway	Mitigation for the Lake Bellevue Condominiums

Wall 1 near East Main Station



Wall 1 near East Main Station



Wall 2 near Coast Hotel



Wall 3 near Lake Bellevue Condos

