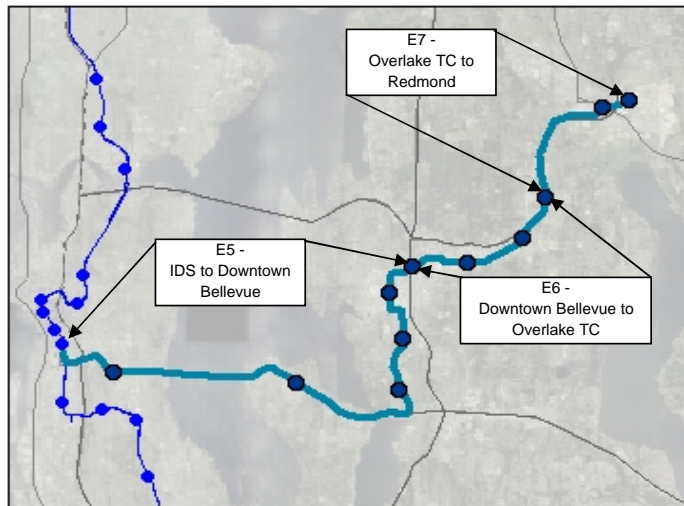


HCT-RC BRT: Seattle to Downtown Bellevue

Project Number	E5
Subarea	East King
Primary Mode Impacted	ST Express
Facility Type	BRT Facility
Version Number	1.0
Date Last Modified	12/8/2005

Project Locator Map



Short Project Description

Construct a Rail Convertible Bus Rapid Transit project (RC BRT) on an exclusive guideway for conversion to future light rail service from downtown Seattle to downtown Bellevue and Overlake Hospital via I-90. Construct a large transfer station in the vicinity of the International District Station in south downtown Seattle to provide transfers to Central Link and buses operating on surface streets. Stations would be provided on I-90 at Rainier Avenue and Mercer Island. In Bellevue, this segment of RC BRT would have three to four stations which would serve a regional park-and-ride, downtown Bellevue, and Overlake Hospital. The alignment and station locations will be determined through project level design and environmental review. Cost estimates for both aerial and underground alignments in downtown Bellevue are presented here. This project is a 11.4 mile component of the total proposed RC BRT line from Seattle to Redmond via I-90 and downtown Bellevue.

Project Purpose: Provide reliable High Capacity Transit (HCT) within its own ROW from Seattle to east of downtown Bellevue.

Cost and Schedule

Cost (in Millions of 2005\$)

Schedule

Alignment incl. underground component cost

	Low	High
Agency Admin	\$77.8	\$89.5
Environmental Clearances and PE	\$48.0	\$55.2
Final Design, Specs, Permitting	\$120.0	\$138.0
ROW Acquisition	\$87.3	\$100.4
Construction	\$1,041.5	\$1,197.7
Vehicles	Not Included	Not Included
Contingency	\$137.0	\$157.5
Total Cost	\$1,511.6	\$1,738.3

Proposed Schedule Not Yet Developed

Alignment incl. aerial component cost

	Low	High
Agency Admin	\$61.0	\$70.2
Environmental Clearances and PE	\$32.4	\$37.3
Final Design, Specs, Permitting	\$81.1	\$93.2
ROW Acquisition	\$200.0	\$230.0
Construction	\$703.8	\$809.3
Vehicles	Not Included	Not Included
Contingency	\$105.9	\$121.7
Total Cost	\$1,184.2	\$1,361.9

Design Basis

Conceptual

Environmental Documentation Required

- Environmental Impact Statement Required
- Environmental Assessment Required
- Environmental Checklist Required

HCT-RC BRT: Seattle to Downtown Bellevue

Relationships to Other Projects

<i>Relationship</i>	<i>Project</i>
Dependent on	Construction and implementation of the I-90 R8-A Alternative
Dependent on	Completion of Central Link
Dependent on	Project E8 - Construction of the Maintenance Facility and Vehicle Purchase
Impacted by	Bus services and ridership impacted by the SR 520 Bridge Replacement Project

Project Partners

<i>Agency</i>	<i>Department</i>	<i>Contact</i>	<i>Phone</i>	<i>e-mail</i>
WSDOT				
KC Metro				
City of Bellevue				
City of Seattle				
City of Mercer Island				

Long Description

This capital project scope and the companion capital cost estimate are intended to include the entire project development cycle (agency and project administration, environmental clearance, design, all aspects of property acquisition permits, agreements, construction, testing, commissioning and contingencies) from project initiation through the start-up of operations.

At this stage of project development, a representative alignment was used to develop a cost estimate. The final alignment and station locations will be determined through project level design and environmental review. The base cost estimate includes design allowance contingency, construction change order contingency, and unallocated contingency. The upper end of the cost range provides for a project reserve of up to 15%.

Assumptions:

- R-8A Project on I-90 will be completed
- No direct access facilities to be provided to the RC BRT transit only guideway
- Existing bridge structures will not be modified for future light rail operations. These modifications will be carried out during the RC BRT conversion to LRT phase of the project
- Guideway infrastructure (drainage, walkways, structural components etc) constructed during the RC BRT phase will facilitate future installation of LRT components, ducting, catenary pole footing and stray current protection
- LRT rail and systems installation will not occur within the RC BRT guideway construction phase
- Fire/Life Safety systems and ventilation facilities constructed in the RC BRT phase will accommodate the more stringent design criteria for both bus and light rail operations within existing I-90 tunnels and lids
- BRT vehicles for the total East Corridor alignment from Seattle to Redmond will be included in the capital costs for the maintenance facility (detailed in Project E8 project description)
- D2 ramp and I-90 center roadway converted to exclusive transit use
- Existing Bellevue Transit Center provides bus transfer facilities in downtown Bellevue

Representative Alignment Project Elements

Alignment facilities

- 6.9 miles of at-grade alignment on I-90
- 4.3 miles of new aerial alignment with elevated alternative through downtown Bellevue
- 2.7 miles of new aerial alignment and 1.8 miles new underground alignment with subway alternative through downtown Bellevue

Station facilities

- Terminal station provide in downtown Seattle south of the existing International District station
- At-grade stations on I-90 center roadway at Rainier Avenue and Mercer Island
- Four new stations in Bellevue (four aerial with elevated alternative through downtown and two aerial and two underground with subway)
- Up to one,420 structured parking stalls built on existing surface park-and-ride
- Kiss-and-ride facilities at up to three stations
- New local bus transfer facilities (four bays) at up to two stations
- 1% of station construction cost to be allocated for art

Utilities

Utility investigations have not been carried out. Relocation of standard utilities along the alignment has been assumed as part of the scope and has been estimated using an average per route-foot allowance.

HCT-RC BRT: Seattle to Downtown Bellevue

ROW

Property interests required for the prototypical alignment include fee acquisitions, partial takes, easements and interagency agreements. Right-of-way requirements include construction staging and contractor laydown areas. No specific provisions are made for contractor parking. Cost estimates include associated relocation, administration and legal costs, and contingency.

Mitigation:

The final project scope will include all mitigation(s) committed to by ST in pertinent, future project-level environmental documents.

Exclusions:

- Maintenance facility will be costed separately (refer to E8 project description)
- Non-structural architectural and aesthetic elements in excess of the ST art program, except at the Bellevue Transit Center
- Vehicle costs will be costed separately (refer to E8 project description)
- R8-A funding requirements
- Modifications to the existing bridge structures
- Grade separated pedestrian crossings of arterials

Permits

WSDOT agreements for:

- Transit operations along the D2 Ramps
- Transit operations on I-90 center guideway and associated bridges
- Transit operations on the I-90 East Channel Bridge
- Removal of the HOV connection from I-90 to South Bellevue Way
- Under or over crossing of I-405

BNSF permits:

- For aerial crossing of BNSF
- For underground crossing of BNSF
- Access to the maintenance facility right-of-way requirements

City of Bellevue agreements:

- Transitway agreement to operate within the city streets
- Mercer Island permits for Station

Others:

- Potential operating agreement with King County Metro
- City of Seattle permit for Rainier Avenue Station and connection to Central Link
- Mercer Island permit for Mercer Island Station

Project Dependencies

- Construction and implementation of the I-90 R8-A Alternative
- Completion of Central Link
- Construction of Project E6 – downtown Bellevue to Overlake Transit Center (or connection to maintenance base)

ST has developed scope definitions for ST2 project proposals for the purposes of developing cost estimates, implementation schedules, a financial plan, and the estimation of project benefits. This scope definition should not be construed as a commitment that all defined features will be included in the final developed project.

Evaluation Measures

Measure	Measurement/ Rating	Notes
Average Weekday Ridership	11,000	
Capital Cost (Underground Align.)	\$1,511.6 - \$1,738.3	in Millions of 2005\$
Capital Cost (Aerial Align.)	\$1,184.2 - \$1,361.9	in Millions of 2005\$
Annual Operating Cost	\$16.0	in Millions of 2005\$
Travel Time & Reliability		
Connectivity & Integration	High	
Land Use & Development		
Customer Experience		
Consistency with Plans		
Public Support		
Risk Avoidance	Low	

HCT-RC BRT: Seattle to Downtown Bellevue

Key Issues and Benefits

Issues:

- System shut-down during conversion/time required to convert to LRT operations.

The estimated capital cost range to convert the prototypical RC BRT alignment to LRT operations between downtown Seattle and Redmond Terminal Station is \$720.3 million to \$940.2 million (\$2005). The conversion cost is dependant on the amount of LRT infrastructure provided at the time of RC BRT implementation, the construction schedule for conversion, the level of bus operations provided during the conversion period and assumes the HCT guideway is closed for the duration of conversion. It is anticipated that further analysis will be completed to define the conversion process and that the conversion cost will be refined.

- Additional terminal/transfer station adjacent to the IDS and pedestrian connections to the Link IDS
- Alignment between I-90 and downtown Bellevue will be determined through project level design and environmental review
- Aerial or subway alignment through downtown Bellevue
- ROW along the alignment
- BNSF interface
- Park-and-ride capacity
- Potential wetland, parkland, and historic impacts
- Environmental mitigation

Benefits:

- Provides exclusive transit right-of-way between downtown Seattle and downtown Bellevue, the two highest density employment centers in the region
- Provides direct HCT connection between the regional growth centers of downtown Seattle and downtown Bellevue
- Supports long range transportation and land use plans
- Increases transit reliability and visibility
- Increases job accessibility, particularly from Seattle to the Eastside
- Increases accessibility to special events in Seattle and Bellevue

HCT-RC BRT: Seattle to Downtown Bellevue

Project Number	E5	Cost	Low	High
Underground via 108th Ave.		Agency Admin	\$77.8	\$89.5
		Environmental Clearance and PE	\$48.0	\$55.2
		Final Design, Specs, Permitting	\$120.0	\$138.0
		ROW Acquisition	\$87.3	\$100.4
		Construction	\$1,041.5	\$1,197.7
		Vehicles	Not Included	Not Included
		Contingency	\$137.0	\$157.5
		Total		\$1,511.6

Aerial via 110th Ave. NE

Cost	Low	High
Agency Admin	\$61.0	\$70.2
Environmental Clearance and PE	\$32.4	\$37.3
Final Design, Specs, Permitting	\$81.1	\$93.2
ROW Acquisition	\$200.0	\$230.0
Construction	\$703.8	\$809.3
Vehicles	Not Included	Not Included
Contingency	\$105.9	\$121.7
Total	\$1,184.2	\$1,361.8

SOUND TRANSIT ST2
HCT Planning
East Corridor: RC BRT Line and Stations
Capital Cost Estimate
(2005 Dollars in Millions)

Description	ALT E5	
	Seattle to Downtown Bellevue	Seattle to Downtown Bellevue
	(Underground via 108th Ave.)	(Aerial via 110th Ave. NE)
Length (Mile):	11.5	11.2
Number of Stations:	6	6
Number of Revenue Vehicles:	0	0
10 GUIDEWAY & TRACK ELEMENTS	\$375.25	\$225.22
20 STATIONS, STOPS, TERMINALS, INTERMODAL	\$290.78	\$161.05
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	\$54.58	\$17.14
40 SITEWORK & SPECIAL CONDITIONS	\$129.32	\$164.24
50 SYSTEMS	\$22.73	\$22.03
Construction Subtotal (Sum Categories 10 - 50)	\$872.65	\$589.68
Change Order Contingency	\$87.27	\$58.97
Construction Total	\$959.92	\$648.64
60 ROW, LAND, EXISTING IMPROVEMENTS	\$87.30	\$200.04
70 VEHICLES	\$0.00	\$0.00
80 PROFESSIONAL SERVICES		
Construction Management	\$81.59	\$55.13
Environmental Clearance and PE	\$48.00	\$32.43
Final Design, Specs, Permitting	\$119.99	\$81.08
Agency Admin (Calculated on subtotal of all items above)	\$77.81	\$61.04
90 UNALLOCATED CONTINGENCY	\$136.99	\$105.86
Total Project Cost	\$1,511.59	\$1,184.24

SOUND TRANSIT ST2
HCT Planning
Rail Convertible Bus Rapid Transit Alternative E5 Seattle - Downtown Bellevue (Underground via 108th Ave.)
Capital Cost Estimate
(2005 Dollars in Millions)

Cat No.	Description	Segment							Yard Lead	Right-Of-Way	Alternative Total
		E5-1 IDS to Mt. Baker Tunnel	E5-2 I-90 Roadway (Bridge)	E5-3 I-90 Roadway (Mercer Island)	E5-4 East Channel Bridge to S. Bellevue Sta.	E5-5 S. Bellevue Sta. to Wilburton Sta.	E5-6 Wilburton Sta. to Bellevue TC Sta. (Underground)	E5-7 Bellevue TC Sta. to Overlake Hospital Sta. (Underground)			
	Length (Mile):	2.4	1.6	3.0	1.0	1.1	1.1	1.3			11.5
	Number of Stations:	1		1	1	1	1	1			6
	Number of Revenue Vehicles:										
10	GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way	\$6.86	\$4.24	\$24.02							\$35.12
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)										\$0.00
10.03	Guideway: At-grade in mixed traffic										\$0.00
10.04	Guideway: Aerial structure				\$40.73	\$46.06	\$19.73				\$106.52
10.05	Guideway: Built-up fill										\$0.00
10.06	Guideway: Underground cut & cover						\$26.45	\$27.76			\$54.21
10.07	Guideway: Underground tunnel	\$14.88					\$48.61	\$114.12			\$177.61
10.08	Guideway: Retained cut or fill			\$1.79							\$1.79
10.09	Track: Direct fixation										\$0.00
10.10	Track: Embedded										\$0.00
10.11	Track: Ballasted										\$0.00
10.12	Track: Special (switches, turnouts)										\$0.00
10.13	Track: Vibration and noise dampening										\$0.00
	Subtotal Category 10	\$21.74	\$4.24	\$25.80	\$40.73	\$46.06	\$94.79	\$141.88			\$375.25
20	STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform	\$44.35		\$4.93							\$49.28
20.02	Aerial station, stop, shelter, mall, terminal, platform				\$18.94	\$18.14					\$37.08
20.03	Underground station, stop, shelter, mall, terminal, platform						\$83.86	\$80.72			\$164.59
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.						\$1.71				\$1.71
20.05	Joint development										\$0.00
20.06	Automobile parking multi-story structure				\$30.00						\$30.00
20.07	Elevators, escalators	\$0.81		\$0.41	\$1.37	\$1.37	\$2.08	\$2.08			\$8.13
	Subtotal Category 20	\$45.16	\$0.00	\$5.33	\$50.32	\$19.51	\$87.65	\$82.81			\$290.78
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS										
30.01	Administration Building: Office, sales, storage, revenue counting										\$0.00
30.02	Light Maintenance Facility										\$0.00
30.03	Heavy Maintenance Facility										\$0.00
30.04	Storage or Maintenance of Way Building										\$0.00
30.05	Yard and Yard Track								\$54.58		\$54.58
	Subtotal Category 30								\$54.58		\$54.58

SOUND TRANSIT ST2
HCT Planning
Rail Convertible Bus Rapid Transit Alternative E5 Seattle - Downtown Bellevue (Underground via 108th Ave.)
Capital Cost Estimate
(2005 Dollars in Millions)

Cat No.	Description	Segment							Yard Lead	Right-Of-Way	Alternative Total	
		E5-1 IDS to Mt. Baker Tunnel	E5-2 I-90 Roadway (Bridge)	E5-3 I-90 Roadway (Mercer Island)	E5-4 East Channel Bridge to S. Bellevue Sta.	E5-5 S. Bellevue Sta. to Wilburton Sta.	E5-6 Wilburton Sta. to Bellevue TC Sta. (Underground)	E5-7 Bellevue TC Sta. to Overlake Hospital Sta. (Underground)				
40 SITEWORK & SPECIAL CONDITIONS												
40.01	Demolition, Clearing, Earthwork	\$1.53	\$1.04	\$1.92	\$0.64	\$0.74	\$0.70	\$0.80		\$1.99	\$9.37	
40.02	Site Utilities, Utility Relocation	\$5.05	\$1.76	\$7.83	\$5.83	\$16.35	\$10.41	\$4.42			\$51.66	
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	\$0.85	\$0.57	\$1.06	\$0.35	\$0.41	\$0.39	\$0.44		\$5.63	\$9.70	
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks	\$3.54	\$2.41	\$4.43	\$1.48	\$1.71	\$1.63	\$1.86			\$17.06	
40.05	Site structures including retaining walls, sound walls					\$3.00					\$3.00	
40.06	Pedestrian / bike access and accommodation, landscaping	\$2.42	\$0.85	\$3.21	\$1.14	\$1.26	\$1.62	\$1.06			\$11.58	
40.07	Automobile, bus, van accessways including roads, parking lots	\$0.04		\$0.10	\$2.47	\$14.07	\$2.31	\$2.31			\$21.29	
40.08	Temporary Facilities and other indirect costs during construction	\$0.65	\$0.32	\$0.90	\$0.58	\$1.84	\$0.83	\$0.53			\$5.66	
	Subtotal Category 40	\$14.09	\$6.96	\$19.45	\$12.49	\$39.39	\$17.89	\$11.43		\$7.62	\$129.32	
50 SYSTEMS												
50.01	Train control and signals										\$0.00	
50.02	Traffic signals and crossing protection	\$0.19			\$0.19						\$0.38	
50.03	Traction power supply: substations										\$0.00	
50.04	Traction power distribution: catenary and third rail										\$0.00	
50.05	Communications	\$4.07	\$2.34	\$4.93	\$2.07	\$2.30	\$2.21	\$2.44			\$20.36	
50.06	Fare collection system and equipment	\$0.26		\$0.26	\$0.26	\$0.26	\$0.48	\$0.48			\$2.00	
50.07	Central Control										\$0.00	
	Subtotal Category 50	\$4.52	\$2.34	\$5.19	\$2.52	\$2.56	\$2.69	\$2.91			\$22.73	
	Subtotal Construction Costs	\$85.51	\$13.54	\$55.78	\$106.06	\$107.52	\$203.02	\$239.03	\$54.58	\$7.62	\$872.65	
	Change Order Contingency	10.0%	\$8.55	\$1.35	\$5.58	\$10.61	\$10.75	\$20.30	\$23.90	\$5.46	\$0.76	\$87.27
	Total Construction Costs	\$94.07	\$14.89	\$61.36	\$116.66	\$118.27	\$223.32	\$262.94	\$60.04	\$8.38	\$959.92	
60 ROW, LAND, EXISTING IMPROVEMENTS												
60.01	Purchase or lease of real estate									\$87.30	\$87.30	
60.02	Relocation of existing households and businesses										\$0.00	
	Subtotal Right-of-Way	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$87.30	\$87.30	
70 VEHICLES												
70.01	Light Rail										\$0.00	

SOUND TRANSIT ST2
HCT Planning
Rail Convertible Bus Rapid Transit Alternative E5 Seattle - Downtown Bellevue (Underground via 108th Ave.)
Capital Cost Estimate
(2005 Dollars in Millions)

Cat No.	Description	Segment								Yard Lead	Right-Of-Way	Alternative Total
		E5-1 IDS to Mt. Baker Tunnel	E5-2 I-90 Roadway (Bridge)	E5-3 I-90 Roadway (Mercer Island)	E5-4 East Channel Bridge to S. Bellevue Sta.	E5-5 S. Bellevue Sta. to Wilburton Sta.	E5-6 Wilburton Sta. to Bellevue TC Sta. (Underground)	E5-7 Bellevue TC Sta. to Overlake Hospital Sta. (Underground)				
Subtotal Vehicles												\$0.00
80	PROFESSIONAL SERVICES											
	Construction Management	8.5%	\$8.00	\$1.27	\$5.22	\$9.92	\$10.05	\$18.98	\$22.35	\$5.10	\$0.71	\$81.59
	Environmental Clearance and PE	5.0%	\$4.70	\$0.74	\$3.07	\$5.83	\$5.91	\$11.17	\$13.15	\$3.00	\$0.42	\$48.00
	Final Design and Specs	8.0%	\$7.53	\$1.19	\$4.91	\$9.33	\$9.46	\$17.87	\$21.03	\$4.80	\$0.67	\$76.79
	Design Services during Construction	2.0%	\$1.88	\$0.30	\$1.23	\$2.33	\$2.37	\$4.47	\$5.26	\$1.20	\$0.17	\$19.20
	Design Review by Others	2.0%	\$1.88	\$0.30	\$1.23	\$2.33	\$2.37	\$4.47	\$5.26	\$1.20	\$0.17	\$19.20
	Permitting	0.5%	\$0.47	\$0.07	\$0.31	\$0.58	\$0.59	\$1.12	\$1.31	\$0.30	\$0.04	\$4.80
	Agency Admin (Calculated on subtotal of all items above)	6.0%	\$7.11	\$1.13	\$4.64	\$8.82	\$8.94	\$16.88	\$19.88	\$4.54	\$5.87	\$77.81
Subtotal Professional Services		LS	\$31.57	\$5.00	\$20.59	\$39.15	\$39.69	\$74.95	\$88.24	\$20.15	\$8.05	\$327.39
90	UNALLOCATED CONTINGENCY	10.0%	\$9.41	\$42.49	\$6.14	\$11.67	\$11.83	\$22.33	\$26.29	\$6.00	\$0.84	\$136.99
Project Total			\$135.04	\$62.38	\$88.08	\$167.48	\$169.78	\$320.59	\$377.47	\$86.19	\$104.57	\$1,511.59

SOUND TRANSIT ST2
HCT Planning
Rail Convertible Bus Rapid Transit Alternative E5 Seattle to Downtown Bellevue (Aerial via 110th Ave.)
Capital Cost Estimate
(2005 Dollars in Millions)

Cat No.	Description	Segment							Yard Lead	Right-Of-Way	Alternative Total
		E5-1 IDS to Mt. Baker Tunnel	E5-2 I-90 Roadway (Bridge)	E5-3 I-90 Roadway (Mercer Island)	E5-4 East Channel Bridge to S. Bellevue Sta.	E5-5 S. Bellevue Sta. to Wilburton Sta.	E5-8 Wilburton Sta. to Bellevue TC Sta. (Aerial)	E5-9 Bellevue TC Sta. to Overlake Hospital Sta. (Aerial)			
	Length (Mile):	2.4	1.6	3.0	1.0	1.1	1.0	1.1			11.2
	Number of Stations:	1		1	1	1	1	1			6
	Number of Revenue Vehicles:										
10	GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way	\$6.86	\$4.24	\$24.02							\$35.12
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)										\$0.00
10.03	Guideway: At-grade in mixed traffic										\$0.00
10.04	Guideway: Aerial structure				\$40.73	\$46.06	\$40.29	\$46.35			\$173.43
10.05	Guideway: Built-up fill										\$0.00
10.06	Guideway: Underground cut & cover										\$0.00
10.07	Guideway: Underground tunnel	\$14.88									\$14.88
10.08	Guideway: Retained cut or fill			\$1.79							\$1.79
10.09	Track: Direct fixation										\$0.00
10.10	Track: Embedded										\$0.00
10.11	Track: Ballasted										\$0.00
10.12	Track: Special (switches, turnouts)										\$0.00
10.13	Track: Vibration and noise dampening										\$0.00
	Subtotal Category 10	\$21.74	\$4.24	\$25.80	\$40.73	\$46.06	\$40.29	\$46.35			\$225.22
20	STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform	\$44.35		\$4.93							\$49.28
20.02	Aerial station, stop, shelter, mall, terminal, platform				\$18.94	\$18.14	\$18.14	\$18.14			\$73.35
20.03	Underground station, stop, shelter, mall, terminal, platform										\$0.00
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.						\$1.71				\$1.71
20.05	Joint development										\$0.00
20.06	Automobile parking multi-story structure				\$30.00						\$30.00
20.07	Elevators, escalators	\$0.81		\$0.41	\$1.37	\$1.37	\$1.37	\$1.37			\$6.71
	Subtotal Category 20	\$45.16	\$0.00	\$5.33	\$50.32	\$19.51	\$21.22	\$19.51			\$161.05
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS										
30.01	Administration Building: Office, sales, storage, revenue counting										\$0.00
30.02	Light Maintenance Facility										\$0.00
30.03	Heavy Maintenance Facility										\$0.00
30.04	Storage or Maintenance of Way Building										\$0.00
30.05	Yard and Yard Track								\$17.14		\$17.14
	Subtotal Category 30								\$17.14		\$17.14

SOUND TRANSIT ST2
HCT Planning
Rail Convertible Bus Rapid Transit Alternative E5 Seattle to Downtown Bellevue (Aerial via 110th Ave.)
Capital Cost Estimate
(2005 Dollars in Millions)

Cat No.	Description	Segment							Yard Lead	Right-Of-Way	Alternative Total	
		E5-1 IDS to Mt. Baker Tunnel	E5-2 I-90 Roadway (Bridge)	E5-3 I-90 Roadway (Mercer Island)	E5-4 East Channel Bridge to S. Bellevue Sta.	E5-5 S. Bellevue Sta. to Wilburton Sta.	E5-8 Wilburton Sta. to Bellevue TC Sta. (Aerial)	E5-9 Bellevue TC Sta. to Overlake Hospital Sta. (Aerial)				
40 SITEWORK & SPECIAL CONDITIONS												
40.01	Demolition, Clearing, Earthwork	\$1.53	\$1.04	\$1.92	\$0.64	\$0.74	\$0.65	\$0.74		\$1.52	\$8.79	
40.02	Site Utilities, Utility Relocation	\$5.05	\$1.76	\$7.83	\$5.83	\$16.35	\$15.49	\$14.71			\$67.03	
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	\$0.85	\$0.57	\$1.06	\$0.35	\$0.41	\$0.36	\$0.41		\$4.32	\$8.32	
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks	\$3.54	\$2.41	\$4.43	\$1.48	\$1.71	\$1.51	\$1.70			\$16.78	
40.05	Site structures including retaining walls, sound walls					\$3.00					\$3.00	
40.06	Pedestrian / bike access and accommodation, landscaping	\$2.42	\$0.85	\$3.21	\$1.14	\$1.26	\$1.16	\$1.26			\$11.32	
40.07	Automobile, bus, van accessways including roads, parking lots	\$0.04		\$0.10	\$2.47	\$14.07	\$16.17	\$8.79			\$41.63	
40.08	Temporary Facilities and other indirect costs during construction	\$0.65	\$0.32	\$0.90	\$0.58	\$1.84	\$1.73	\$1.35			\$7.38	
	Subtotal Category 40	\$14.09	\$6.96	\$19.45	\$12.49	\$39.39	\$37.07	\$28.95		\$5.84	\$164.24	
50 SYSTEMS												
50.01	Train control and signals										\$0.00	
50.02	Traffic signals and crossing protection	\$0.19			\$0.19						\$0.38	
50.03	Traction power supply: substations										\$0.00	
50.04	Traction power distribution: catenary and third rail										\$0.00	
50.05	Communications	\$4.07	\$2.34	\$4.93	\$2.07	\$2.30	\$2.09	\$2.28			\$20.09	
50.06	Fare collection system and equipment	\$0.26		\$0.26	\$0.26	\$0.26	\$0.26	\$0.26			\$1.56	
50.07	Central Control										\$0.00	
	Subtotal Category 50	\$4.52	\$2.34	\$5.19	\$2.52	\$2.56	\$2.35	\$2.54			\$22.03	
	Subtotal Construction Costs	\$85.51	\$13.54	\$55.78	\$106.06	\$107.52	\$100.93	\$97.35	\$17.14	\$5.84	\$589.68	
	Change Order Contingency	10.0%	\$8.55	\$1.35	\$5.58	\$10.61	\$10.75	\$10.09	\$9.74	\$1.71	\$0.58	\$58.97
	Total Construction Costs	\$94.07	\$14.89	\$61.36	\$116.66	\$118.27	\$111.03	\$107.09	\$18.86	\$6.43	\$648.64	
60 ROW, LAND, EXISTING IMPROVEMENTS												
60.01	Purchase or lease of real estate									\$200.04	\$200.04	
60.02	Relocation of existing households and businesses										\$0.00	
	Subtotal Right-of-Way	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$200.04	\$200.04	
70 VEHICLES												
70.01	Light Rail										\$0.00	

SOUND TRANSIT ST2
HCT Planning
Rail Convertible Bus Rapid Transit Alternative E5 Seattle to Downtown Bellevue (Aerial via 110th Ave.)
Capital Cost Estimate
(2005 Dollars in Millions)

Cat No.	Description	Segment								Yard Lead	Right-Of-Way	Alternative Total
		E5-1 IDS to Mt. Baker Tunnel	E5-2 I-90 Roadway (Bridge)	E5-3 I-90 Roadway (Mercer Island)	E5-4 East Channel Bridge to S. Bellevue Sta.	E5-5 S. Bellevue Sta. to Wilburton Sta.	E5-8 Wilburton Sta. to Bellevue TC Sta. (Aerial)	E5-9 Bellevue TC Sta. to Overlake Hospital Sta. (Aerial)				
Subtotal Vehicles												\$0.00
80	PROFESSIONAL SERVICES											
	Construction Management	8.5%	\$8.00	\$1.27	\$5.22	\$9.92	\$10.05	\$9.44	\$9.10	\$1.60	\$0.55	\$55.13
	Environmental Clearance and PE	5.0%	\$4.70	\$0.74	\$3.07	\$5.83	\$5.91	\$5.55	\$5.35	\$0.94	\$0.32	\$32.43
	Final Design and Specs	8.0%	\$7.53	\$1.19	\$4.91	\$9.33	\$9.46	\$8.88	\$8.57	\$1.51	\$0.51	\$51.89
	Design Services during Construction	2.0%	\$1.88	\$0.30	\$1.23	\$2.33	\$2.37	\$2.22	\$2.14	\$0.38	\$0.13	\$12.97
	Design Review by Others	2.0%	\$1.88	\$0.30	\$1.23	\$2.33	\$2.37	\$2.22	\$2.14	\$0.38	\$0.13	\$12.97
	Permitting	0.5%	\$0.47	\$0.07	\$0.31	\$0.58	\$0.59	\$0.56	\$0.54	\$0.09	\$0.03	\$3.24
	Agency Admin (Calculated on subtotal of all items above)	6.0%	\$7.11	\$1.13	\$4.64	\$8.82	\$8.94	\$8.39	\$8.10	\$1.43	\$12.49	\$61.04
Subtotal Professional Services		LS	\$31.57	\$5.00	\$20.59	\$39.15	\$39.69	\$37.26	\$35.94	\$6.33	\$14.16	\$229.69
90	UNALLOCATED CONTINGENCY	10.0%	\$9.41	\$42.49	\$6.14	\$11.67	\$11.83	\$11.10	\$10.71	\$1.89	\$0.64	\$105.86
Project Total			\$135.04	\$62.38	\$88.08	\$167.48	\$169.78	\$159.39	\$153.74	\$27.07	\$221.27	\$1,184.24

SOUND TRANSIT ST2
HCT Planning
Segment E5-1
Sta. 2020+00 to Sta. 2145+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONGTY	TOTAL COST
10 GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way									
	2020+00	- 2056+00	At-Grade Dbl Track on Exist. Structure - RCBRT	AG20-RC	3,600	RF	\$399	\$1,436,184	25%	\$1,795,230
	2056+00	- 2094+00	At-Grade Dbl Track in Express Median - RCBRT	AG09-RC	3,800	RF	\$794	\$3,019,062	25%	\$3,773,828
	2094+00	- 2097+00	At-Grade Dbl Track on Exist. Structure - RCBRT	AG20-RC	300	RF	\$399	\$119,682	25%	\$149,603
	2097+00	- 2107+00	At-Grade Dbl Track in Express Median - RCBRT	AG09-RC	1,000	RF	\$794	\$794,490	25%	\$993,113
	2142+00	- 2145+00	At-Grade Dbl Track on Exist. Structure - RCBRT	AG20-RC	300	RF	\$399	\$119,682	25%	\$149,603
			Element Total		9,000	RF		\$5,489,100		\$6,861,376
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)									
			N/A							
			Element Total		0	RF		\$0		\$0
10.03	Guideway: At-grade in mixed traffic									
			N/A							
			Element Total		0	RF		\$0		\$0
10.04	Guideway: Aerial structure									
			N/A							
			Element Total		0	RF		\$0		\$0
10.05	Guideway: Built-up fill									
			N/A							
			Element Total		0	RF		\$0		\$0
10.06	Guideway: Underground cut & cover									
			N/A							
			Element Total		0	RF		\$0		\$0
10.07	Guideway: Underground tunnel									
	2107+00	- 2142+00	Dbl Track in Exist. Tunnel - RCBRT	TL20-RC	3,500	RF	\$3,149	\$11,021,535	35%	\$14,879,072
			Element Total		3,500	RF		\$11,021,535		\$14,879,072
10.08	Guideway: Retained cut or fill									
			N/A							
			Element Total		0	RF		\$0		\$0
10.09	Track: Direct fixation									
			N/A							
			Element Total		0	RF		\$0		\$0
10.10	Track: Embedded									
			N/A							
			Element Total		0	RF		\$0		\$0
10.11	Track: Ballasted									
			N/A							
			Element Total		0	RF		\$0		\$0
10.12	Track: Special (switches, turnouts)									
			N/A							
			Element Total		1	LS		\$0		\$0
10.13	Track: Vibration and noise dampening									
			N/A							
			Element Total		1	LS		\$0		\$0
20 STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform									
	IDS Station		IDS Station		1	LS	\$21,000,000	\$21,000,000	15%	\$24,150,000
			IDS Station, Access		1	LS	\$10,000,000	\$10,000,000	15%	\$11,500,000
			IDS Station, Demolition of Existing Structure		1	LS	\$2,500,000	\$2,500,000	15%	\$2,875,000

SOUND TRANSIT ST2
HCT Planning
Segment E5-1
Sta. 2020+00 to Sta. 2145+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
	Rainer Ave. Station		At-Grade - 20 ft. Center Platform - 4 Vehicle Platform	ST08	1	LS	\$2,956,713	\$2,956,713	25%	\$3,695,891
			Roadway Modifications Allow. - Temporary Paving at BRT Stations	RM04	1	EA	\$37,523	\$37,523	25%	\$46,904
	Access to Rainer Ave.		Station Pedestrian Vertical Access, to 25ft.	PA20	2	EA	\$362,149	\$724,299	15%	\$832,944
			Allowance for Abutment Modifications for Ped Access		50.0%			\$362,149	15%	\$416,472
	Access to 23rd Ave.		Station Pedestrian Vertical Access, to 25ft.	PA20	2	EA	\$362,149	\$724,299	15%	\$832,944
			Element Total		1	LS		\$38,304,983		\$44,350,154

SOUND TRANSIT ST2
HCT Planning
Segment E5-1
Sta. 2020+00 to Sta. 2145+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
20.02	Aerial station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.03	Underground station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.		N/A							
			Element Total		1	LS		\$0		\$0
20.05	Joint development		N/A							
			Element Total		1	LS		\$0		\$0
20.06	Automobile parking multi-story structure		N/A							
			Element Total		1	LS		\$0		\$0
20.07	Elevators, escalators									
	Access to Rainer Ave.		Pedestrian Vertical Access - Elevator, 25ft.	PA30	2	EA	\$162,410	\$324,820	25%	\$406,025
	Access to 23rd Ave.		Pedestrian Vertical Access - Elevator, 25ft.	PA30	2	EA	\$162,410	\$324,820	25%	\$406,025
			Element Total		1	LS		\$649,640		\$812,050
40 SITEWORK & SPECIAL CONDITIONS										
40.01	Demolition, Clearing, Earthwork									
	2020+00	- 2145+00	Demolition Allow. - Guideway	DM80	12,500	RF	\$98	\$1,226,250	25%	\$1,532,813
			Element Total		1	LS		\$1,226,250		\$1,532,813
40.02	Site Utilities, Utility Relocation									
	2020+00	- 2056+00	Utility Modifications Allow. - Level 3	UM03	3,600	RF	\$676	\$2,432,880	30%	\$3,162,744
	2056+00	- 2145+00	Utility Modifications Allow. - Level 1	UM01	8,900	RF	\$164	\$1,455,150	30%	\$1,891,695
			Element Total		1	LS		\$3,888,030		\$5,054,439
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments									
	2020+00	- 2145+00	Hazardous Material Removal Allowance	HM01	12,500	RF	\$52	\$650,000	30%	\$845,000
			Element Total		1	LS		\$650,000		\$845,000
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks									
	2020+00	- 2145+00	Enviromental Mitigation Allow. - Level 3	EM03	12,500	RF	\$218	\$2,725,000	30%	\$3,542,500
			Element Total		1	LS		\$2,725,000		\$3,542,500
40.05	Site structures including retaining walls, sound walls		N/A							
			Element Total		1	LS		\$0		\$0
40.06	Pedestrian / bike access and accommodation, landscaping									
	2020+00	- 2145+00	Landscaping Allow. - Guideway	LS10	12,500	RF	\$76	\$953,750	25%	\$1,192,188
	Ped Access on Rainer Ave.		Station Pedestrian Access - Plaza	PA10	18,000	SF	\$27	\$486,000	25%	\$607,500
			Artwork (1% of Guideway & Stations)		1%			\$498,393	25%	\$622,991
			Element Total		1	LS		\$1,938,143		\$2,422,678
40.07	Automobile, bus, van accessways including roads, parking lots									
	Airport Way and D2 Ramp		Roadway Modifications Allow. - Half Intersection	RM02	1	EA	\$20,315	\$20,315	25%	\$25,394
			Allowance for Closing D2 Ramp		50%			\$10,158	25%	\$12,697
			Element Total		1	LS		\$30,473		\$38,091
40.08	Temporary Facilities and other indirect costs during construction									
			Temporary Facilities (5.% of Category 40)		5.0%			\$522,895	25%	\$653,618
			Element Total		1	LS		\$522,895		\$653,618
50 SYSTEMS										
50.01	Train control and signals		N/A							
			Element Total		0	RF		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-1
Sta. 2020+00 to Sta. 2145+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
50.02 Traffic signals and crossing protection										
	Airport Way and D2 Ramp		Roadway Modifications Allow. - New Signal	RM21	1	EA	\$163,500	\$163,500	15%	\$188,025
			Element Total		1	EA		\$163,500		\$188,025
50.03 Traction power supply: substations										
			N/A							
			Element Total		0	EA		\$0		\$0
50.04 Traction power distribution: catenary and third rail										
			N/A							
			Element Total		0	RF		\$0		\$0
50.05 Communications										
	2020+00 - 2145+00		Communication, Line - Double	CM02	12,500	RF	\$240	\$2,997,500	15%	\$3,447,125
			Communication, Station	CM05	1	EA	\$545,000	\$545,000	15%	\$626,750
			Element Total		12,500	RF		\$3,542,500		\$4,073,875
50.06 Fare collection system and equipment										
			Fare Collection - 1 Entrance	FC01	1	EA	\$226,720	\$226,720	15%	\$260,728
			Element Total		1	LS		\$226,720		\$260,728
50.07 Central Control										
			N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-2
Sta. 2145+00 to Sta. 2230+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
10 GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way		At-Grade Dbl Track on Exist. Structure -							
	2145+00	- 2230+00	RCBRT	AG20-RC	8,500	RF	\$399	\$3,390,990	25%	\$4,238,738
			Element Total		8,500	RF		\$3,390,990		\$4,238,738
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)		N/A							
			Element Total		0	RF		\$0		\$0
10.03	Guideway: At-grade in mixed traffic		N/A							
			Element Total		0	RF		\$0		\$0
10.04	Guideway: Aerial structure		N/A							
			Element Total		0	RF		\$0		\$0
10.05	Guideway: Built-up fill		N/A							
			Element Total		0	RF		\$0		\$0
10.06	Guideway: Underground cut & cover		N/A							
			Element Total		0	RF		\$0		\$0
10.07	Guideway: Underground tunnel		N/A							
			Element Total		0	RF		\$0		\$0
10.08	Guideway: Retained cut or fill		N/A							
			Element Total		0	RF		\$0		\$0
10.09	Track: Direct fixation		N/A							
			Element Total		0	RF		\$0		\$0
10.10	Track: Embedded		N/A							
			Element Total		0	RF		\$0		\$0
10.11	Track: Ballasted		N/A							
			Element Total		0	RF		\$0		\$0
10.12	Track: Special (switches, turnouts)		N/A							
			Element Total		1	LS		\$0		\$0
10.13	Track: Vibration and noise dampening		N/A							
			Element Total		1	LS		\$0		\$0
20 STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.02	Aerial station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.03	Underground station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-2
Sta. 2145+00 to Sta. 2230+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
20.04			Other stations, landings, terminals: Intermodal, ferry, trolley, etc.							
			N/A							
			Element Total		1	LS		\$0		\$0
20.05			Joint development							
			N/A							
			Element Total		1	LS		\$0		\$0
20.06			Automobile parking multi-story structure							
			N/A							
			Element Total		1	LS		\$0		\$0
20.07			Elevators, escalators							
			N/A							
			Element Total		1	LS		\$0		\$0
40 SITEWORK & SPECIAL CONDITIONS										
40.01			Demolition, Clearing, Earthwork							
	2145+00	- 2230+00	Demolition Allow. - Guideway	DM80	8,500	RF	\$98	\$833,850	25%	\$1,042,313
			Element Total		1	LS		\$833,850		\$1,042,313
40.02			Site Utilities, Utility Relocation							
	2145+00	- 2230+00	Utility Modifications Allow. - Level 1	UM01	3,500	RF	\$164	\$572,250	30%	\$743,925
			Storm Water Management Allowance	UM10	84,000	SF	\$9	\$778,260	30%	\$1,011,738
			Element Total		1	LS		\$1,350,510		\$1,755,663
40.03			Haz. mat'l, contam'd soil removal/mitigation, ground water treatments							
	2145+00	- 2230+00	Hazardous Material Removal Allowance	HM01	8,500	RF	\$52	\$442,000	30%	\$574,600
			Element Total		1	LS		\$442,000		\$574,600
40.04			Environmental mitigation, e.g. wetlands, historic/archeologic, parks							
	2145+00	- 2230+00	Environmental Mitigation Allow. - Level 3	EM03	8,500	RF	\$218	\$1,853,000	30%	\$2,408,900
			Element Total		1	LS		\$1,853,000		\$2,408,900
40.05			Site structures including retaining walls, sound walls							
			N/A							
			Element Total		1	LS		\$0		\$0
40.06			Pedestrian / bike access and accommodation, landscaping							
	2145+00	- 2230+00	Landscaping Allow. - Guideway	LS10	8,500	RF	\$76	\$648,550	25%	\$810,688
			Artwork (1% of Guideway & Stations)		1%			\$33,910	25%	\$42,387
			Element Total		1	LS		\$682,460		\$853,075
40.07			Automobile, bus, van accessways including roads, parking lots							
			N/A							
			Element Total		1	LS		\$0		\$0
40.08			Temporary Facilities and other indirect costs during construction							
			Temporary Facilities (5.% of Category 40)		5.0%			\$258,091	25%	\$322,614
			Element Total		1	LS		\$258,091		\$322,614
50 SYSTEMS										
50.01			Train control and signals							
			N/A							
			Element Total		0	RF		\$0		\$0
50.02			Traffic signals and crossing protection							
			N/A							
			Element Total		0	EA		\$0		\$0
50.03			Traction power supply: substations							
			N/A							
			Element Total		0	EA		\$0		\$0
50.04			Traction power distribution: catenary and third rail							
			N/A							
			Element Total		0	RF		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-2
Sta. 2145+00 to Sta. 2230+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
50.05	Communications									
	2145+00	- 2230+00	Communication, Line - Double	CM02	8,500	RF	\$240	\$2,038,300	15%	\$2,344,045
			Element Total		8,500	RF		\$2,038,300		\$2,344,045
50.06	Fare collection system and equipment									
			N/A							
			Element Total		1	LS		\$0		\$0
50.07	Central Control									
			N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-3
Sta. 2230+00 to Sta. 2386+18

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
10 GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way									
	2230+00	- 2237+00	At-Grade Dbl Track in Express Median - RCBRT	AG09-RC	700	RF	\$794	\$556,143	25%	\$695,179
	2237+00	- 2266+00	Dbl Track in Exist. Tunnel - RCBRT	TL20-RC	2,900	RF	\$3,149	\$9,132,129	25%	\$11,415,161
	2266+00	- 2300+00	At-Grade Dbl Track in Express Median - RCBRT	AG09-RC	3,400	RF	\$794	\$2,701,266	25%	\$3,376,583
	2300+00	- 2304+00	Dbl Track in Exist. Tunnel - RCBRT	TL20-RC	400	RF	\$3,149	\$1,259,604	25%	\$1,574,505
	2304+00	- 2367+00	At-Grade Dbl Track in Express Median - RCBRT	AG09-RC	6,300	RF	\$794	\$5,005,288	25%	\$6,256,610
	2367+00	- 2381+00	At-Grade Dbl Track on Exist. Structure - RCBRT	AG20-RC	1,400	RF	\$399	\$558,516	25%	\$698,145
			Element Total		15,100	RF		\$19,212,946		\$24,016,183
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)									
			N/A							
			Element Total		0	RF		\$0		\$0
10.03	Guideway: At-grade in mixed traffic									
			N/A							
			Element Total		0	RF		\$0		\$0
10.04	Guideway: Aerial structure									
			N/A							
			Element Total		0	RF		\$0		\$0
10.05	Guideway: Built-up fill									
			N/A							
			Element Total		0	RF		\$0		\$0
10.06	Guideway: Underground cut & cover									
			N/A							
			Element Total		0	RF		\$0		\$0
10.07	Guideway: Underground tunnel									
			N/A							
			Element Total		0	RF		\$0		\$0
10.08	Guideway: Retained cut or fill									
	2381+00	- 2386+18	Retained Fill - Two Sides (Avg. 20' Height) - RCBRT	RF22-RC	518	RF	\$2,762	\$1,430,470	25%	\$1,788,088
			Element Total		518	RF		\$1,430,470		\$1,788,088
10.09	Track: Direct fixation									
			N/A							
			Element Total		0	RF		\$0		\$0
10.10	Track: Embedded									
			N/A							
			Element Total		0	RF		\$0		\$0
10.11	Track: Ballasted									
			N/A							
			Element Total		0	RF		\$0		\$0
10.12	Track: Special (switches, turnouts)									
			N/A							
			Element Total		1	LS		\$0		\$0
10.13	Track: Vibration and noise dampening									
			N/A							
			Element Total		1	LS		\$0		\$0
20 STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform									
	Mercer Island Sta.		At-Grade - 25 ft. Center Platform - 4 Vehicle Platform	ST10	1	LS	\$3,519,548	\$3,519,548	15%	\$4,047,480

SOUND TRANSIT ST2
HCT Planning
Segment E5-3
Sta. 2230+00 to Sta. 2386+18

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONGY	TOTAL COST
			Roadway Modifications Allow. - Temporary Paving at BRT Stations	RM04	1	EA	\$37,523	\$37,523	25%	\$46,904
			Station Pedestrian Vertical Access, to 25ft.	PA20	2	EA	\$362,149	\$724,299	15%	\$832,944
			Element Total		1	LS		\$4,281,370		\$4,927,328
20.02	Aerial station, stop, shelter, mall, terminal, platform		N/A		1	LS		\$0		\$0
20.03	Underground station, stop, shelter, mall, terminal, platform		N/A		1	LS		\$0		\$0
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.		N/A		1	LS		\$0		\$0
20.05	Joint development		N/A		1	LS		\$0		\$0
20.06	Automobile parking multi-story structure		N/A		1	LS		\$0		\$0
20.07	Elevators, escalators Mercer Island Sta.		Pedestrian Vertical Access - Elevator, 25ft.	PA30	2	EA	\$162,410	\$324,820	25%	\$406,025
			Element Total		1	LS		\$324,820		\$406,025
40 SITEWORK & SPECIAL CONDITIONS										
40.01	Demolition, Clearing, Earthwork 2230+00 - 2386+18		Demolition Allow. - Guideway	DM80	15,618	RF	\$98	\$1,532,126	25%	\$1,915,157
			Element Total		1	LS		\$1,532,126		\$1,915,157
40.02	Site Utilities, Utility Relocation 2230+00 - 2386+18		Utility Modifications Allow. - Level 1	UM01	15,618	RF	\$164	\$2,553,543	30%	\$3,319,606
			Storm Water Management Allowance	UM10	374,832	SF	\$9	\$3,472,818	30%	\$4,514,664
			Element Total		1	LS		\$6,026,361		\$7,834,270
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments 2230+00 - 2386+18		Hazardous Material Removal Allowance	HM01	15,618	RF	\$52	\$812,136	30%	\$1,055,777
			Element Total		1	LS		\$812,136		\$1,055,777
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks 2230+00 - 2386+18		Enviromental Mitigation Allow. - Level 3	EM03	15,618	RF	\$218	\$3,404,724	30%	\$4,426,141
			Element Total		1	LS		\$3,404,724		\$4,426,141
40.05	Site structures including retaining walls, sound walls		N/A		1	LS		\$0		\$0
40.06	Pedestrian / bike access and accommodation, landscaping 2230+00 - 2386+18		Landscaping Allow. - Guideway	LS10	15,618	RF	\$76	\$1,191,653	25%	\$1,489,567
	Ped Access Improvements		Station Pedestrian Access - Plaza	PA10	41,600	SF	\$27	\$1,123,200	25%	\$1,404,000
			Artwork (1% of Guideway & Stations)		1%		\$255,707	25%	\$319,634	
			Element Total		1	LS		\$2,570,561		\$3,213,201
40.07	Automobile, bus, van accessways including roads, parking lots Kiss & Ride @ P&R Lot		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	2,500	SF	\$32	\$81,044	25%	\$101,305
			Element Total		1	LS		\$81,044		\$101,305
40.08	Temporary Facilities and other indirect costs during construction		Temporary Facilities (5.% of Category 40)		5.0%			\$721,348	25%	\$901,684
			Element Total		1	LS		\$721,348		\$901,684
50 SYSTEMS										
50.01	Train control and signals		N/A							

SOUND TRANSIT ST2
HCT Planning
Segment E5-3
Sta. 2230+00 to Sta. 2386+18

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
			Element Total		0	RF		\$0		\$0
50.02	Traffic signals and crossing protection		N/A							
			Element Total		0	EA		\$0		\$0
50.03	Traction power supply: substations		N/A							
			Element Total		0	EA		\$0		\$0
50.04	Traction power distribution: catenary and third rail		N/A							
			Element Total		1	LS		\$0		\$0
50.05	Communications									
	2230+00	- 2386+18	Communication, Line - Double	CM02	15,618	RF	\$240	\$3,745,196	15%	\$4,306,976
			Communication, Station	CM05	1	EA	\$545,000	\$545,000	15%	\$626,750
			Element Total		15,618	RF		\$4,290,196		\$4,933,726
50.06	Fare collection system and equipment									
			Fare Collection - 1 Entrance	FC01	1	EA	\$226,720	\$226,720	15%	\$260,728
			Element Total		1	LS		\$226,720		\$260,728
50.07	Central Control		N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-4
Sta. 3020+00 to Sta. 3072+22

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
10 GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way		N/A							
			Element Total		0	RF		\$0		\$0
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)		N/A							
			Element Total		0	RF		\$0		\$0
10.03	Guideway: At-grade in mixed traffic		N/A							
			Element Total		0	RF		\$0		\$0
10.04	Guideway: Aerial structure									
	3020+00	- 3021+00	Precast Segmental Box Girder (Avg. Pier 20' Ht.) - RCBRT	EL22-RC	100	RF	\$6,219	\$621,900	25%	\$777,375
	3021+00	- 3023+40	Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL23-RC	240	RF	\$6,337	\$1,520,880	25%	\$1,901,100
	3023+40	- 3030+00	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	660	RF	\$6,475	\$4,273,500	25%	\$5,341,875
	3030+00	- 3032+80	Precast Segmental Box Girder (Avg. Pier 50' Ht.) - RCBRT	EL25-RC	280	RF	\$6,636	\$1,858,080	25%	\$2,322,600
	3032+80	- 3035+30	Precast Segmental Box Girder (Avg. Pier 60' Ht.) - RCBRT	EL26-RC	250	RF	\$6,826	\$1,706,500	25%	\$2,133,125
	3035+30	- 3045+00	Precast Segmental Box Girder (Avg. Pier 70' Ht.) - RCBRT	EL27-RC	970	RF	\$7,043	\$6,831,710	25%	\$8,539,638
	3045+00	- 3054+00	Precast Segmental Box Girder (Avg. Pier 60' Ht.) - RCBRT	EL26-RC	900	RF	\$6,826	\$6,143,400	25%	\$7,679,250
	3054+00	- 3060+00	Precast Segmental Box Girder (Avg. Pier 50' Ht.) - RCBRT	EL25-RC	600	RF	\$6,636	\$3,981,600	25%	\$4,977,000
	3060+00	- 3064+32	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	432	RF	\$6,475	\$2,797,200	25%	\$3,496,500
	3064+32	- 3068+32	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL33-RC	400	RF	\$6,949	\$2,779,600	25%	\$3,474,500
	3068+32	- 3072+12	Guideway included in station cost below		380	RF				
	3072+12	- 3072+22	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL33-RC	10	RF	\$6,949	\$69,490	25%	\$86,863
			Element Total		5,222	RF		\$32,583,860		\$40,729,825
10.05	Guideway: Built-up fill		N/A							
			Element Total		0	RF		\$0		\$0
10.06	Guideway: Underground cut & cover		N/A							
			Element Total		0	RF		\$0		\$0
10.07	Guideway: Underground tunnel		N/A							
			Element Total		0	RF		\$0		\$0
10.08	Guideway: Retained cut or fill		N/A							
			Element Total		0	RF		\$0		\$0
10.09	Track: Direct fixation		N/A							
			Element Total		0	RF		\$0		\$0
10.10	Track: Embedded		N/A							
			Element Total		0	RF		\$0		\$0
10.11	Track: Ballasted		N/A							
			Element Total		0	RF		\$0		\$0
10.12	Track: Special (switches, turnouts)		N/A							
			Element Total		0	RF		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-4
Sta. 3020+00 to Sta. 3072+22

TRANSIT MODE: RCBRT

CAT NO.	STATIONING		DESCRIPTION	COST		UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
	BEGIN	END		ID	QTY					
			Element Total			1	LS	\$0		\$0
10.13	Track: Vibration and noise dampening									
		N/A								
			Element Total			1	LS	\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-4
Sta. 3020+00 to Sta. 3072+22

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
20 STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.02	Aerial station, stop, shelter, mall, terminal, platform									
	South Bellevue Sta.		Aerial - 30' Center Platform - 4 Vehicle with Mezz.	ST23	1	LS	\$15,729,107	\$15,729,107	15%	\$18,088,473
			Roadway Modifications Allow. - Temporary Paving at BRT Stations	RM04	1	EA	\$37,523	\$37,523	25%	\$46,904
			Station Pedestrian Access Bridge	PA01	4,000	SF	\$175	\$700,000	15%	\$805,000
			Element Total		1	LS		\$16,466,630		\$18,940,377
20.03	Underground station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.		N/A							
			Element Total		1	LS		\$0		\$0
20.05	Joint development		N/A							
			Element Total		1	LS		\$0		\$0
20.06	Automobile parking multi-story structure									
	South Bellevue Sta.		Station Site Facilities - Parking Garage	SF20	1,420	SP	\$18,372	\$26,088,240	15%	\$30,001,476
			Element Total		1	LS		\$26,088,240		\$30,001,476
20.07	Elevators, escalators									
			Pedestrian Vertical Access - Elevator, 40ft.	PA31	2	EA	\$239,800	\$479,600	15%	\$551,540
			Pedestrian Vertical Access - Escalator, 25ft.	PA35	2	EA	\$212,550	\$425,100	15%	\$488,865
			Pedestrian Vertical Access - Escalator, 40ft.	PA36	1	EA	\$289,940	\$289,940	15%	\$333,431
			Element Total		1	LS		\$1,194,640		\$1,373,836
40 SITEWORK & SPECIAL CONDITIONS										
40.01	Demolition, Clearing, Earthwork									
	3020+00 - 3072+22		Demolition Allow. - Guideway	DM80	5,222	RF	\$98	\$512,278	25%	\$640,348
			Element Total		1	LS		\$512,278		\$640,348
40.02	Site Utilities, Utility Relocation									
	3020+00 - 3050+00		Utility Modifications Allow. - Level 1	UM01	3,000	RF	\$164	\$490,500	30%	\$637,650
	3050+00 - 3072+22		Utility Modifications Allow. - Level 2	UM03	2,222	RF	\$676	\$1,501,628	30%	\$1,952,116
	3050+00 - 3072+22		Utility Undergrounding Allow	UM04	2,222	RF	\$872	\$1,937,584	30%	\$2,518,859
			Storm Water Management Allowance	UM10	60,000	SF	\$9	\$555,900	30%	\$722,670
			Element Total		1	LS		\$4,485,612		\$5,831,295
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments									
	3020+00 - 3072+22		Hazardous Material Removal Allowance	HM01	5,222	RF	\$52	\$271,544	30%	\$353,007
			Element Total		1	LS		\$271,544		\$353,007
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks									
	3020+00 - 3072+22		Environmental Mitigation Allow. - Level 1	EM03	5,222	RF	\$218	\$1,138,396	30%	\$1,479,915
			Element Total		1	LS		\$1,138,396		\$1,479,915
40.05	Site structures including retaining walls, sound walls		N/A							
			Element Total		1	LS		\$0		\$0
40.06	Pedestrian / bike access and accommodation, landscaping									
	3020+00 - 3072+22		Landscaping Allow. - Guideway	LS10	5,222	RF	\$76	\$398,439	25%	\$498,048
			Artwork (1% of Guideway & Stations)		1%			\$515,242	25%	\$644,053
			Element Total		1	LS		\$913,681		\$1,142,101
40.07	Automobile, bus, van accessways including roads, parking lots									
	P&R Access		Roadway Modifications Allow. - Full Intersection	RM01	1	EA	\$28,541	\$28,541	25%	\$35,676

SOUND TRANSIT ST2
HCT Planning
Segment E5-4
Sta. 3020+00 to Sta. 3072+22

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
	South Bellevue Way		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	60,000	SF	\$32	\$1,945,050	25%	\$2,431,313
			Element Total		1	LS		\$1,973,591		\$2,466,989
40.08	Temporary Facilities and other indirect costs during construction		Temporary Facilities (5.0% of Category 40)		5.0%			\$464,755	25%	\$580,944
			Element Total		1	LS		\$464,755		\$580,944
50 SYSTEMS										
50.01	Train control and signals		N/A							
			Element Total		0	RF		\$0		\$0
50.02	Traffic signals and crossing protection		Roadway Modifications Allow. - New Signal	RM21	1	EA	\$163,500	\$163,500	15%	\$188,025
			Element Total		1	EA		\$163,500		\$188,025
50.03	Traction power supply: substations		N/A							
			Element Total		0	EA		\$0		\$0
50.04	Traction power distribution: catenary and third rail		N/A							
			Element Total		0	RF		\$0		\$0
50.05	Communications		Communication, Line - Double	CM02	5,222	RF	\$240	\$1,252,236	15%	\$1,440,071
	3020+00 - 3072+22		Communication, Station	CM05	1	EA	\$545,000	\$545,000	15%	\$626,750
			Element Total		5,222	RF		\$1,797,236		\$2,066,821
50.06	Fare collection system and equipment		Fare Collection - 1 Entrance	FC01	1	EA	\$226,720	\$226,720	15%	\$260,728
			Element Total		1	LS		\$226,720		\$260,728
50.07	Central Control		N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-5
Sta. 3072+22 to Sta. 3105+72
Sta. 4020+00 to Sta. 4047+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
10 GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way		N/A							
			Element Total		0	RF		\$0		\$0
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)		N/A							
			Element Total		0	RF		\$0		\$0
10.03	Guideway: At-grade in mixed traffic		N/A							
			Element Total		0	RF		\$0		\$0
10.04	Guideway: Aerial structure									
	3072+22	- 3076+12	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL33-RC	390	RF	\$6,949	\$2,710,110	25%	\$3,387,638
	3076+12	- 3098+00	Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL23-RC	2,188	RF	\$6,337	\$13,865,356	25%	\$17,331,695
	3098+00	- 3105+72	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	772	RF	\$6,475	\$4,998,700	25%	\$6,248,375
	4020+00	- 4039+10	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	1,910	RF	\$6,475	\$12,367,250	25%	\$15,459,063
	4039+10	- 4043+10	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL34-RC	400	RF	\$7,095	\$2,838,000	25%	\$3,547,500
	4043+10	- 4046+90	Guideway included in Station Cos		380	RF				
	4046+90	- 4047+00	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL34-RC	10	RF	\$7,095	\$70,950	25%	\$88,688
			Element Total		6,050	RF		\$36,850,366		\$46,062,958
10.05	Guideway: Built-up fill		N/A							
			Element Total		0	RF		\$0		\$0
10.06	Guideway: Underground cut & cover		N/A							
			Element Total		0	RF		\$0		\$0
10.07	Guideway: Underground tunnel		N/A							
			Element Total		0	RF		\$0		\$0
10.08	Guideway: Retained cut or fill		N/A							
			Element Total		0	RF		\$0		\$0
10.09	Track: Direct fixation		N/A							
			Element Total		0	RF		\$0		\$0
10.10	Track: Embedded		N/A							
			Element Total		0	RF		\$0		\$0
10.11	Track: Ballasted		N/A							
			Element Total		0	RF		\$0		\$0
10.12	Track: Special (switches, turnouts)		N/A							
			Element Total		1	LS		\$0		\$0
10.13	Track: Vibration and noise dampening		N/A							
			Element Total		1	LS		\$0		\$0
20 STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform		N/A							

SOUND TRANSIT ST2
HCT Planning
Segment E5-5
Sta. 3072+22 to Sta. 3105+72
Sta. 4020+00 to Sta. 4047+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING		DESCRIPTION	COST		UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
	BEGIN	END		ID	QTY					
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-5
Sta. 3072+22 to Sta. 3105+72
Sta. 4020+00 to Sta. 4047+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
20.02	Aerial station, stop, shelter, mall, terminal, platform									
	Wilburton Sta.		Aerial - 30' Center Platform - 4 Vehicle with Mezz.	ST23	1	LS	\$15,729,107	\$15,729,107	15%	\$18,088,473
			Roadway Modifications Allow. - Temporary Paving at BRT Stations	RM04	1	EA	\$37,523	\$37,523	25%	\$46,904
			Element Total		1	LS		\$15,766,630		\$18,135,377
20.03	Underground station, stop, shelter, mall, terminal, platform									
			N/A							
			Element Total		1	LS		\$0		\$0
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.									
			N/A							
			Element Total		1	LS		\$0		\$0
20.05	Joint development									
			N/A							
			Element Total		1	LS		\$0		\$0
20.06	Automobile parking multi-story structure									
			N/A							
			Element Total		1	LS		\$0		\$0
20.07	Elevators, escalators									
			Pedestrian Vertical Access - Elevator, 40ft.	PA31	2	EA	\$239,800	\$479,600	15%	\$551,540
			Pedestrian Vertical Access - Escalator, 25ft.	PA35	2	EA	\$212,550	\$425,100	15%	\$488,865
			Pedestrian Vertical Access - Escalator, 40ft.	PA36	1	EA	\$289,940	\$289,940	15%	\$333,431
			Element Total		1	LS		\$1,194,640		\$1,373,836
40 SITEWORK & SPECIAL CONDITIONS										
40.01	Demolition, Clearing, Earthwork									
	3072+22 - 3105+72		Demolition Allow. - Guideway	DM80	3,350	RF	\$98	\$328,635	25%	\$410,794
	4020+00 - 4047+00		Demolition Allow. - Guideway	DM80	2,700	RF	\$98	\$264,870	25%	\$331,088
			Element Total		1	LS		\$593,505		\$741,881
40.02	Site Utilities, Utility Relocation									
	3072+22 - 3105+72		Utility Modifications Allow. - Level 3	UM03	3,350	RF	\$676	\$2,263,930	30%	\$2,943,109
	4020+00 - 4047+00		Utility Modifications Allow. - Level 3	UM03	2,700	RF	\$676	\$1,824,660	30%	\$2,372,058
	3072+22 - 3105+72		Utility Undergrounding Allow	UM04	3,350	RF	\$872	\$2,921,200	30%	\$3,797,560
	4020+00 - 4047+00		Utility Undergrounding Allow	UM04	2,700	RF	\$872	\$2,354,400	30%	\$3,060,720
			Storm Water Management Allowance	UM10	347,160	SF	\$9	\$3,216,437	30%	\$4,181,369
			Element Total		1	LS		\$12,580,627		\$16,354,816
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments									
	3072+22 - 3105+72		Hazardous Material Removal Allowance	HM01	3,350	RF	\$52	\$174,200	30%	\$226,460
	4020+00 - 4047+00		Hazardous Material Removal Allowance	HM01	2,700	RF	\$52	\$140,400	30%	\$182,520
			Element Total		1	LS		\$314,600		\$408,980
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks									
	3072+22 - 3105+72		Environmental Mitigation Allow. - Level 3	EM03	3,350	RF	\$218	\$730,300	30%	\$949,390
	4020+00 - 4047+00		Environmental Mitigation Allow. - Level 3	EM03	2,700	RF	\$218	\$588,600	30%	\$765,180
			Element Total		1	LS		\$1,318,900		\$1,714,570
40.05	Site structures including retaining walls, sound walls									
	South Bellevue Way		Retaining Wall - Secant Pile < 30ft.	RW03	7,000	SF	\$330	\$2,307,312	30%	\$2,999,506
			Element Total		1	LS		\$2,307,312		\$2,999,506
40.06	Pedestrian / bike access and accommodation, landscaping									
	3072+22 - 3105+72		Landscaping Allow. - Guideway	LS10	3,350	RF	\$76	\$255,605	25%	\$319,506
	4020+00 - 4047+00		Landscaping Allow. - Guideway	LS10	2,700	RF	\$76	\$206,010	25%	\$257,513
			Artwork (1% of Guideway & Stations)		1%			\$549,857	25%	\$687,322
			Element Total		1	LS		\$1,011,472		\$1,264,341
40.07	Automobile, bus, van accessways including roads, parking lots									
	South Bellevue Way		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	192,000	SF	\$32	\$6,224,161	25%	\$7,780,201

SOUND TRANSIT ST2
HCT Planning
Segment E5-5
Sta. 3072+22 to Sta. 3105+72
Sta. 4020+00 to Sta. 4047+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
	112th Ave. SE		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	155,160	SF	\$32	\$5,029,900	25%	\$6,287,375
			Element Total		1	LS		\$11,254,061		\$14,067,576
40.08	Temporary Facilities and other indirect costs during construction									
			Temporary Facilities (5.% of Category 40)		5.0%			\$1,469,024	25%	\$1,836,280
			Element Total		1	LS		\$1,469,024		\$1,836,280

SOUND TRANSIT ST2
HCT Planning
Segment E5-5
Sta. 3072+22 to Sta. 3105+72
Sta. 4020+00 to Sta. 4047+00

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
50 SYSTEMS										
50.01	Train control and signals		N/A							
			Element Total		0	RF		\$0		\$0
50.02	Traffic signals and crossing protection		N/A							
			Element Total		0	EA		\$0		\$0
50.03	Traction power supply: substations		N/A							
			Element Total		0	EA		\$0		\$0
50.04	Traction power distribution: catenary and third rail		N/A							
			Element Total		0	RF		\$0		\$0
50.05	Communications									
	3072+22 -	3105+72	Communication, Line - Double	CM02	3,350	RF	\$240	\$803,330	15%	\$923,830
	4020+00 -	4047+00	Communication, Line - Double	CM02	2,700	RF	\$240	\$647,460	15%	\$744,579
			Communication, Station	CM05	1	EA	\$545,000	\$545,000	15%	\$626,750
			Element Total		6,050	RF		\$1,995,790		\$2,295,159
50.06	Fare collection system and equipment									
			Fare Collection - 1 Entrance	FC01	1	EA	\$226,720	\$226,720	15%	\$260,728
			Element Total		1	LS		\$226,720		\$260,728
50.07	Central Control		N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-6
Sta. 4047+00 to Sta. 4104+40
(Underground Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
10 GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way		N/A							
			Element Total		0	RF		\$0		\$0
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)		N/A							
			Element Total		0	RF		\$0		\$0
10.03	Guideway: At-grade in mixed traffic		N/A							
			Element Total		0	RF		\$0		\$0
10.04	Guideway: Aerial structure									
	4047+00	4050+90	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL34-RC	390	RF	\$7,095	\$2,767,050	25%	\$3,458,813
	4050+90	4051+50	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	60	RF	\$6,475	\$388,500	25%	\$485,625
	4051+50	4071+00	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	1,950	RF	\$6,475	\$12,626,250	25%	\$15,782,813
			Element Total		2,400	RF		\$15,781,800		\$19,727,250
10.05	Guideway: Built-up fill		N/A							
			Element Total		0	RF		\$0		\$0
10.06	Guideway: Underground cut & cover									
	4071+00	4079+00	Cut and Cover Box (Avg. 35' Depth) - RCBRT	CC03-RC	800	RF	\$24,495	\$19,596,284	35%	\$26,454,984
			Element Total		800	RF		\$19,596,284		\$26,454,984
10.07	Guideway: Underground tunnel									
	4079+00	4099+00	TBM Tunnel - Twin Bore (18'-10" I.D.) - RCBRT	TL05-RC	2,000	RF	\$15,655	\$31,309,552	35%	\$42,267,896
	4099+00	4104+40	Guideway included in Station Cos		540	RF				
			Allowance for Bldg Fndt Stabilizator		15%			\$4,696,433	35%	\$6,340,184
			Element Total		2,540	RF		\$36,005,985		\$48,608,080
10.08	Guideway: Retained cut or fill		N/A							
			Element Total		0	RF		\$0		\$0
10.09	Track: Direct fixation		N/A							
			Element Total		0	RF		\$0		\$0
10.10	Track: Embedded		N/A							
			Element Total		0	RF		\$0		\$0
10.11	Track: Ballasted		N/A							
			Element Total		0	RF		\$0		\$0
10.12	Track: Special (switches, turnouts)		N/A							
			Element Total		1	LS		\$0		\$0
10.13	Track: Vibration and noise dampening		N/A							
			Element Total		1	LS		\$0		\$0
20 STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.02	Aerial station, stop, shelter, mall, terminal, platform									

SOUND TRANSIT ST2
HCT Planning
Segment E5-6
Sta. 4047+00 to Sta. 4104+40
(Underground Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING		DESCRIPTION	COST		UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
	BEGIN	END		ID	QTY					
		N/A								
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-6
Sta. 4047+00 to Sta. 4104+40
(Underground Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
20.03 Underground station, stop, shelter, mall, terminal, platform										
	Bellevue TC Sta.		Cut & Cover - 30' Center Platform - 4 Vehicle Allowance for Restrictive Site	ST30	1	LS	\$48,308,799	\$48,308,799	30%	\$62,801,439
			Roadway Modifications Allow. - Temporary Paving at BRT Stations	RM04	1	EA	\$37,523	\$37,523	25%	\$46,904
	Sta. East Access		Station Pedestrian Access Cut & Cover Box	PA05	125	LF	\$55,004	\$6,875,500	30%	\$8,938,150
	Sta. West Access		Station Pedestrian Access Cut & Cover Box	PA05	125	LF	\$55,004	\$6,875,500	30%	\$8,938,150
			Element Total		1	LS		\$64,512,762		\$83,864,715
20.04 Other stations, landings, terminals: Intermodal, ferry, trolley, etc.										
	Upgrade Exist. Bellevue TC		Station Site Facilities - Intermodal Facility	SF10	55,000	SF	\$27	\$1,485,000	15%	\$1,707,750
			Element Total		1	LS		\$1,485,000		\$1,707,750
20.05 Joint development										
			N/A							
			Element Total		1	LS		\$0		\$0
20.06 Automobile parking multi-story structure										
			N/A							
			Element Total		1	LS		\$0		\$0
20.07 Elevators, escalators										
	Bellevue TC Sta.		Pedestrian Vertical Access - Elevator, 25ft.	PA30	2	EA	\$162,410	\$324,820	15%	\$373,543
			Pedestrian Vertical Access - Elevator, 40ft.	PA31	2	EA	\$239,800	\$479,600	15%	\$551,540
			Pedestrian Vertical Access - Escalator, 25ft.	PA35	2	EA	\$212,550	\$425,100	15%	\$488,865
			Pedestrian Vertical Access - Escalator, 40ft.	PA36	2	EA	\$289,940	\$579,880	15%	\$666,862
			Element Total		1	LS		\$1,809,400		\$2,080,810
40 SITEWORK & SPECIAL CONDITIONS										
40.01 Demolition, Clearing, Earthwork										
	4047+00 - 4104+40		Demolition Allow. - Guideway	DM80	5,740	RF	\$98	\$563,094	25%	\$703,868
			Element Total		1	LS		\$563,094		\$703,868
40.02 Site Utilities, Utility Relocation										
	4047+00 - 4079+00		Utility Modifications Allow. - Level 3	UM03	3,200	RF	\$676	\$2,162,560	30%	\$2,811,328
	4047+00 - 4079+00		Utility Undergrounding Allow	UM04	3,200	RF	\$872	\$2,790,400	30%	\$3,627,520
	4079+00 - 4099+00		Utility Modifications Allow. - Level 2	UM02	2,000	RF	\$403	\$806,600	30%	\$1,048,580
	4079+00 - 4104+40		Utility Modifications Allow. - Level 3	UM03	2,540	RF	\$676	\$1,716,532	30%	\$2,231,492
			Storm Water Management Allowance	UM10	57,000	SF	\$9	\$528,105	30%	\$686,537
			Element Total		67,940	RF		\$8,004,197		\$10,405,456
40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatments										
	4047+00 - 4104+40		Hazardous Material Removal Allowance	HM01	5,740	RF	\$52	\$298,480	30%	\$388,024
			Element Total		1	LS		\$298,480		\$388,024
40.04 Environmental mitigation, e.g. wetlands, historic/archeologic, parks										
	4047+00 - 4104+40		Enviromental Mitigation Allow. - Level 3	EM03	5,740	RF	\$218	\$1,251,320	30%	\$1,626,716
			Element Total		1	LS		\$1,251,320		\$1,626,716
40.05 Site structures including retaining walls, sound walls										
			N/A							
			Element Total		1	LS		\$0		\$0
40.06 Pedestrian / bike access and accommodation, landscaping										
	4047+00 - 4079+00		Landscaping Allow. - Guideway	LS10	3,200	RF	\$76	\$244,160	25%	\$305,200
	4099+00 - 4104+40		Landscaping Allow. - Guideway	LS10	540	RF	\$76	\$41,202	25%	\$51,503
			Artwork (1% of Guideway & Stations)		1%			\$1,013,543	25%	\$1,266,928
			Element Total		1	LS		\$1,298,905		\$1,623,631
40.07 Automobile, bus, van accessways including roads, parking lots										
	108th Ave. SE		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	57,000	SF	\$32	\$1,847,798	25%	\$2,309,747
			Element Total		1	LS		\$1,847,798		\$2,309,747

SOUND TRANSIT ST2
HCT Planning
Segment E5-6
Sta. 4047+00 to Sta. 4104+40
(Underground Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTCY	TOTAL COST
40.08			Temporary Facilities and other indirect costs during construction							
			Temporary Facilities (5.% of Category 40)		5.0%			\$663,190	25%	\$828,987
			Element Total		1	LS		\$663,190		\$828,987
50 SYSTEMS										
50.01			Train control and signals							
			N/A							
			Element Total		0	RF		\$0		\$0
50.02			Traffic signals and crossing protection							
			N/A							
			Element Total		0	EA		\$0		\$0
50.03			Traction power supply: substations							
			N/A							
			Element Total		0	EA		\$0		\$0
50.04			Traction power distribution: catenary and third rail							
			N/A							
			Element Total		0	RF		\$0		\$0
50.05			Communications							
	4047+00	- 4104+40	Communication, Line - Double	CM02	5,740	RF	\$240	\$1,376,452	15%	\$1,582,920
			Communication, Station	CM05	1	EA	\$545,000	\$545,000	15%	\$626,750
			Element Total		5,740	RF		\$1,921,452		\$2,209,670
50.06			Fare collection system and equipment							
			Fare Collection - 2 Entrance	FC02	1	EA	\$414,200	\$414,200	15%	\$476,330
			Element Total		1	LS		\$414,200		\$476,330
50.07			Central Control							
			N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-7
Sta. 4104+40 to Sta. 4170+00
(Underground Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
10 GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way		N/A							
			Element Total		0	RF		\$0		\$0
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)		N/A							
			Element Total		0	RF		\$0		\$0
10.03	Guideway: At-grade in mixed traffic		N/A							
			Element Total		0	RF		\$0		\$0
10.04	Guideway: Aerial structure		N/A							
			Element Total		0	RF		\$0		\$0
10.05	Guideway: Built-up fill		N/A							
			Element Total		0	RF		\$0		\$0
10.06	Guideway: Underground cut & cover									
	4155+50	- 4157+00	Cut and Cover Box (Avg. 55' Depth) - RCBRT	CC05-RC	150	RF	\$28,450	\$4,267,445	35%	\$5,761,051
	4164+00	- 4165+50	Cut and Cover Box (Avg. 55' Depth) - RCBRT	CC05-RC	150	RF	\$28,450	\$4,267,445	35%	\$5,761,051
			Allowance for Turnout Special Box		20%			\$1,706,978	35%	\$2,304,420
	4137+42	- 4140+62	Cut and Cover Box (Avg. 75' Depth) - RCBRT	CC07-RC	320	RF	\$32,251	\$10,320,421	35%	\$13,932,568
			Element Total		620	RF		\$20,562,290		\$27,759,091
10.07	Guideway: Underground tunnel									
	4104+40	- 4137+42	TBM Tunnel - Twin Bore (18'-10" I.D.) - RCBRT	TL05-RC	3,302	RF	\$15,655	\$51,692,071	35%	\$69,784,296
	4137+42	- 4146+02	Guideway included in Station Cos		860	RF				
	4146+02	- 4155+50	TBM Tunnel - Twin Bore (18'-10" I.D.) - RCBRT	TL05-RC	948	RF	\$15,655	\$14,840,728	35%	\$20,034,983
	4157+00	- 4164+00	TBM Tunnel - Twin Bore (18'-10" I.D.) - RCBRT	TL05-RC	700	RF	\$15,655	\$10,958,343	35%	\$14,793,764
	4165+50	- 4170+00	TBM Tunnel - Twin Bore (18'-10" I.D.) - RCBRT	TL05-RC	450	RF	\$15,655	\$7,044,649	35%	\$9,510,277
			Element Total		6,260	RF		\$84,535,791		\$114,123,318
10.08	Guideway: Retained cut or fill		N/A							
			Element Total		0	RF		\$0		\$0
10.09	Track: Direct fixation		N/A							
			Element Total		0	RF		\$0		\$0
10.10	Track: Embedded		N/A							
			Element Total		0	RF		\$0		\$0
10.11	Track: Ballasted		N/A							
			Element Total		0	RF		\$0		\$0
10.12	Track: Special (switches, turnouts)		N/A							
			Element Total		1	LS		\$0		\$0
10.13	Track: Vibration and noise dampening		N/A							
			Element Total		1	LS		\$0		\$0
20 STATIONS, STOPS, TERMINALS, INTERMODAL										

SOUND TRANSIT ST2
HCT Planning
Segment E5-7
Sta. 4104+40 to Sta. 4170+00
(Underground Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
20.01	At-grade station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.02	Aerial station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.03	Underground station, stop, shelter, mall, terminal, platform									
	Overlake Hospital Sta.		Cut & Cover - 30' Center Platform - 4 Vehicle Roadway Modifications Allow. - Temporary Paving at BRT Stations	ST30	1	LS	\$48,308,799	\$48,308,799	30%	\$62,801,439
				RM04	1	EA	\$37,523	\$37,523	25%	\$46,904
	Sta. North Access		Station Pedestrian Access Cut & Cover Box	PA05	100	LF	\$55,004	\$5,500,400	30%	\$7,150,520
	Sta. South Access		Station Pedestrian Access Cut & Cover Box	PA05	150	LF	\$55,004	\$8,250,600	30%	\$10,725,780
			Element Total		1	LS		\$62,097,322		\$80,724,643
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.		N/A							
			Element Total		1	LS		\$0		\$0
20.05	Joint development		N/A							
			Element Total		1	LS		\$0		\$0
20.06	Automobile parking multi-story structure		N/A							
			Element Total		1	LS		\$0		\$0
20.07	Elevators, escalators									
	Overlake Hospital Sta.		Pedestrian Vertical Access - Elevator, 25ft.	PA30	2	EA	\$162,410	\$324,820	15%	\$373,543
			Pedestrian Vertical Access - Elevator, 40ft.	PA31	2	EA	\$239,800	\$479,600	15%	\$551,540
			Pedestrian Vertical Access - Escalator, 25ft.	PA35	2	EA	\$212,550	\$425,100	15%	\$488,865
			Pedestrian Vertical Access - Escalator, 40ft.	PA36	2	EA	\$289,940	\$579,880	15%	\$666,862
			Element Total		1	LS		\$1,809,400		\$2,080,810
40 SITEWORK & SPECIAL CONDITIONS										
40.01	Demolition, Clearing, Earthwork									
	4104+40 - 4170+00		Demolition Allow. - Guideway	DM80	6,560	RF	\$98	\$643,536	25%	\$804,420
			Element Total		1	LS		\$643,536		\$804,420
40.02	Site Utilities, Utility Relocation									
	4104+40 - 4140+62		Utility Modifications Allow. - Level 2	UM02	3,622	RF	\$403	\$1,460,753	30%	\$1,898,978
	4140+62 - 4146+02		Utility Modifications Allow. - Level 3	UM03	540	RF	\$676	\$364,932	30%	\$474,412
	4146+02 - 4155+50		Utility Modifications Allow. - Level 2	UM02	948	RF	\$403	\$382,328	30%	\$497,027
	4155+50 - 4157+00		Utility Modifications Allow. - Level 3	UM03	150	RF	\$676	\$101,370	30%	\$131,781
	4157+00 - 4164+00		Utility Modifications Allow. - Level 2	UM02	700	RF	\$403	\$282,310	30%	\$367,003
	4164+00 - 4165+50		Utility Modifications Allow. - Level 3	UM03	150	RF	\$676	\$101,370	30%	\$131,781
	4165+50 - 4170+00		Utility Modifications Allow. - Level 2	UM02	450	RF	\$403	\$181,485	30%	\$235,931
			Storm Water Management Allowance	UM10	57,000	SF	\$9	\$528,105	30%	\$686,537
			Element Total		1	LS		\$3,402,653		\$4,423,449
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments									
	4104+40 - 4170+00		Hazardous Material Removal Allowance	HM01	6,560	RF	\$52	\$341,120	30%	\$443,456
			Element Total		1	LS		\$341,120		\$443,456
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks									
	4104+40 - 4170+00		Enviromental Mitigation Allow. - Level 3	EM03	6,560	RF	\$218	\$1,430,080	30%	\$1,859,104
			Element Total		1	LS		\$1,430,080		\$1,859,104
40.05	Site structures including retaining walls, sound walls		N/A							
			Element Total		1	LS		\$0		\$0
40.06	Pedestrian / bike access and accommodation, landscaping									

SOUND TRANSIT ST2
HCT Planning
Segment E5-7
Sta. 4104+40 to Sta. 4170+00
(Underground Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
	4140+62	- 4146+02	Landscaping Allow. - Guideway	LS10	540	RF	\$76	\$41,202	25%	\$51,503
			Artwork (1% of Guideway & Stations)		1%			\$807,246	25%	\$1,009,058
			Element Total		1	LS		\$848,448		\$1,060,561
40.07	Automobile, bus, van accessways including roads, parking lots									
	108th Ave. SE		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	27,000	SF	\$32	\$875,273	25%	\$1,094,091
	Sta. South Access		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	12,000	SF	\$32	\$389,010	25%	\$486,263
	C&C Box		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	18,000	SF	\$32	\$583,515	25%	\$729,394
			Element Total		1	LS		\$1,847,798		\$2,309,747
40.08	Temporary Facilities and other indirect costs during construction									
			Temporary Facilities (5.0% of Category 40)		5.0%			\$425,682	25%	\$532,102
			Element Total		1	LS		\$425,682		\$532,102
50	SYSTEMS									
50.01	Train control and signals									
			N/A							
			Element Total		0	RF		\$0		\$0
50.02	Traffic signals and crossing protection									
			N/A							
			Element Total		0	EA		\$0		\$0
50.03	Traction power supply: substations									
			N/A							
			Element Total		0	EA		\$0		\$0
50.04	Traction power distribution: catenary and third rail									
			N/A							
			Element Total		0	RF		\$0		\$0
50.05	Communications									
	4104+40	- 4170+00	Communication, Line - Double	CM02	6,560	RF	\$240	\$1,573,088	15%	\$1,809,051
			Communication, Station	CM05	1	EA	\$545,000	\$545,000	15%	\$626,750
			Element Total		6,560	RF		\$2,118,088		\$2,435,801
50.06	Fare collection system and equipment									
			Fare Collection - 2 Entrance	FC02	1	EA	\$414,200	\$414,200	15%	\$476,330
			Element Total		1	LS		\$414,200		\$476,330
50.07	Central Control									
			N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-8
Sta. 4047+00 to Sta. 4100+12
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
10 GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way		N/A							
			Element Total		0	RF		\$0		\$0
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)		N/A							
			Element Total		0	RF		\$0		\$0
10.03	Guideway: At-grade in mixed traffic		N/A							
			Element Total		0	RF		\$0		\$0
10.04	Guideway: Aerial structure									
	4047+00	- 4050+90	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL34-RC	390	RF	\$7,095	\$2,767,050	25%	\$3,458,813
	4050+90	- 4051+50	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	60	RF	\$6,475	\$388,500	25%	\$485,625
	4051+50	- 4071+00	Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL23-RC	1,950	RF	\$6,337	\$12,357,150	25%	\$15,446,438
	4071+00	- 4081+00	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	1,000	RF	\$6,475	\$6,475,000	25%	\$8,093,750
	4081+00	- 4084+00	Precast Segmental Box Girder (Avg. Pier 50' Ht.) - RCBRT	EL25-RC	300	RF	\$6,636	\$1,990,800	25%	\$2,488,500
	4084+00	- 4086+00	Precast Segmental Box Girder (Avg. Pier 60' Ht.) - RCBRT	EL26-RC	200	RF	\$6,826	\$1,365,200	25%	\$1,706,500
	4086+00	- 4088+00	Precast Segmental Box Girder (Avg. Pier 50' Ht.) - RCBRT	EL25-RC	200	RF	\$6,636	\$1,327,200	25%	\$1,659,000
	4088+00	- 4091+00	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	300	RF	\$6,475	\$1,942,500	25%	\$2,428,125
	4091+00	- 4092+22	Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL23-RC	122	RF	\$6,337	\$773,114	25%	\$966,393
	4092+22	- 4096+22	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL33-RC	400	RF	\$6,949	\$2,779,600	25%	\$3,474,500
	4096+22	- 4100+02	Guideway included in station cost below		380	RF				
	4100+02	- 4100+12	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL33-RC	10	RF	\$6,949	\$69,490	25%	\$86,863
			Element Total		5,312	RF		\$32,235,604		\$40,294,505
10.05	Guideway: Built-up fill		N/A							
			Element Total		0	RF		\$0		\$0
10.06	Guideway: Underground cut & cover		N/A							
			Element Total		0	RF		\$0		\$0
10.07	Guideway: Underground tunnel		N/A							
			Element Total		0	RF		\$0		\$0
10.08	Guideway: Retained cut or fill		N/A							
			Element Total		0	RF		\$0		\$0
10.09	Track: Direct fixation		N/A							
			Element Total		0	RF		\$0		\$0
10.10	Track: Embedded		N/A							
			Element Total		0	RF		\$0		\$0
10.11	Track: Ballasted		N/A							
			Element Total		0	RF		\$0		\$0
10.12	Track: Special (switches, turnouts)		N/A							
			Element Total		0	RF		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-8
Sta. 4047+00 to Sta. 4100+12
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING		DESCRIPTION	COST		UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
	BEGIN	END		ID	QTY					
			Element Total		1	LS		\$0		\$0
10.13	Track: Vibration and noise dampening									
		N/A								
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-8
Sta. 4047+00 to Sta. 4100+12
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
20 STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.02	Aerial station, stop, shelter, mall, terminal, platform									
	Bellevue TC Sta.		Aerial - 30' Center Platform - 4 Vehicle with Mezz.	ST23	1	LS	\$15,729,107	\$15,729,107	15%	\$18,088,473
			Roadway Modifications Allow. - Temporary Paving at BRT Stations	RM04	1	EA	\$37,523	\$37,523	25%	\$46,904
			Element Total		1	LS		\$15,766,630		\$18,135,377
20.03	Underground station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.									
	Upgrade Exist. Bellevue TC		Station Site Facilities - Intermodal Facility	SF10	55,000	SF	\$27	\$1,485,000	15%	\$1,707,750
			Element Total		1	LS		\$1,485,000		\$1,707,750
20.05	Joint development		N/A							
			Element Total		1	LS		\$0		\$0
20.06	Automobile parking multi-story structure		N/A							
			Element Total		1	LS		\$0		\$0
20.07	Elevators, escalators									
			Pedestrian Vertical Access - Elevator, 40ft.	PA31	2	EA	\$239,800	\$479,600	15%	\$551,540
			Pedestrian Vertical Access - Escalator, 25ft.	PA35	2	EA	\$212,550	\$425,100	15%	\$488,865
			Pedestrian Vertical Access - Escalator, 40ft.	PA36	1	EA	\$289,940	\$289,940	15%	\$333,431
			Element Total		1	LS		\$1,194,640		\$1,373,836
40 SITEWORK & SPECIAL CONDITIONS										
40.01	Demolition, Clearing, Earthwork									
	4047+00 - 4100+12		Demolition Allow. - Guideway	DM80	5,312	RF	\$98	\$521,107	25%	\$651,384
			Element Total		1	LS		\$521,107		\$651,384
40.02	Site Utilities, Utility Relocation									
	4047+00 - 4100+12		Utility Modifications Allow. - Level 3	UM03	5,312	RF	\$676	\$3,589,850	30%	\$4,666,804
	4047+00 - 4100+12		Utility Undergrounding Allow	UM04	5,312	RF	\$872	\$4,632,064	30%	\$6,021,683
			Storm Water Management Allowance	UM10	399,000	SF	\$9	\$3,696,735	30%	\$4,805,756
			Element Total		1	LS		\$11,918,649		\$15,494,243
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments									
	4047+00 - 4100+12		Hazardous Material Removal Allowance	HM01	5,312	RF	\$52	\$276,224	30%	\$359,091
			Element Total		1	LS		\$276,224		\$359,091
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks									
	4047+00 - 4100+12		Enviromental Mitigation Allow. - Level 3	EM03	5,312	RF	\$218	\$1,158,016	30%	\$1,505,421
			Element Total		1	LS		\$1,158,016		\$1,505,421
40.05	Site structures including retaining walls, sound walls		N/A							
			Element Total		1	LS		\$0		\$0
40.06	Pedestrian / bike access and accommodation, landscaping									
	4047+00 - 4100+12		Landscaping Allow. - Guideway	LS10	5,312	RF	\$76	\$405,306	25%	\$506,632
			Artwork (1% of Guideway & Stations)		1%			\$520,787	25%	\$650,984
			Element Total		1	LS		\$926,093		\$1,157,616
40.07	Automobile, bus, van accessways including roads, parking lots									
	112th Ave. SE		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	312,000	SF	\$32	\$10,114,261	25%	\$12,642,827
	NE 4th Ave.		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	36,000	SF	\$32	\$1,167,030	25%	\$1,458,788

SOUND TRANSIT ST2
HCT Planning
Segment E5-8
Sta. 4047+00 to Sta. 4100+12
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
	110th Ave.		Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)	RM82	51,000	SF	\$32	\$1,653,293	25%	\$2,066,616
			Element Total		1	LS		\$12,934,584		\$16,168,230
40.08			Temporary Facilities and other indirect costs during construction							
			Temporary Facilities (5.% of Category 40)		5.0%			\$1,386,734	25%	\$1,733,417
			Element Total		1	LS		\$1,386,734		\$1,733,417

SOUND TRANSIT ST2
HCT Planning
Segment E5-8
Sta. 4047+00 to Sta. 4100+12
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
50 SYSTEMS										
50.01	Train control and signals		N/A							
			Element Total		0	RF		\$0		\$0
50.02	Traffic signals and crossing protection		N/A							
			Element Total		0	EA		\$0		\$0
50.03	Traction power supply: substations		N/A							
			Element Total		0	EA		\$0		\$0
50.04	Traction power distribution: catenary and third rail		N/A							
			Element Total		0	RF		\$0		\$0
50.05	Communications									
	4047+00 - 4100+12		Communication, Line - Double	CM02	5,312	RF	\$240	\$1,273,818	15%	\$1,464,890
			Communication, Station	CM05	1	EA	\$545,000	\$545,000	15%	\$626,750
			Element Total		5,312	RF		\$1,818,818		\$2,091,640
50.06	Fare collection system and equipment									
			Fare Collection - 1 Entrance	FC01	1	EA	\$226,720	\$226,720	15%	\$260,728
			Element Total		1	LS		\$226,720		\$260,728
50.07	Central Control		N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-9
Sta. 4100+12 to Sta. 4160+22
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
10 GUIDEWAY & TRACK ELEMENTS										
10.01	Guideway: At-grade exclusive right-of-way		N/A							
			Element Total		0	RF		\$0		\$0
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)		N/A							
			Element Total		0	RF		\$0		\$0
10.03	Guideway: At-grade in mixed traffic		N/A							
			Element Total		0	RF		\$0		\$0
10.04	Guideway: Aerial structure									
	4100+12	- 4104+02	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL33-RC	390	RF	\$6,949	\$2,710,110	25%	\$3,387,638
	4104+02	- 4127+34	Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL23-RC	2,332	RF	\$6,337	\$14,777,884	25%	\$18,472,355
	4127+34	- 4131+34	Precast Segmental Box Girder, Long Span (Avg. Pier 40' Ht.) - RCBRT	EL44-RC	400	RF	\$6,805	\$2,722,000	25%	\$3,402,500
	4131+34	- 4132+34	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL33-RC	100	RF	\$6,949	\$694,900	25%	\$868,625
	4132+34	- 4136+14	Guideway included in station cost below		380	RF				
	4136+14	- 4136+24	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL33-RC	10	RF	\$6,949	\$69,490	25%	\$86,863
	4136+24	- 4140+14	Twin-Sgl. Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL34-RC	390	RF	\$7,095	\$2,767,050	25%	\$3,458,813
	4140+14	- 4145+00	Precast Segmental Box Girder (Avg. Pier 50' Ht.) - RCBRT	EL25-RC	486	RF	\$6,636	\$3,225,096	25%	\$4,031,370
	4145+00	- 4150+00	Precast Segmental Box Girder (Avg. Pier 60' Ht.) - RCBRT	EL26-RC	500	RF	\$6,826	\$3,413,000	25%	\$4,266,250
	4150+00	- 4155+00	Precast Segmental Box Girder (Avg. Pier 50' Ht.) - RCBRT	EL25-RC	500	RF	\$6,636	\$3,318,000	25%	\$4,147,500
	4155+00	- 4160+22	Precast Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL24-RC	522	RF	\$6,475	\$3,379,950	25%	\$4,224,938
			Element Total		6,010	RF		\$37,077,480		\$46,346,850
10.05	Guideway: Built-up fill		N/A							
			Element Total		0	RF		\$0		\$0
10.06	Guideway: Underground cut & cover		N/A							
			Element Total		0	RF		\$0		\$0
10.07	Guideway: Underground tunnel		N/A							
			Element Total		0	RF		\$0		\$0
10.08	Guideway: Retained cut or fill		N/A							
			Element Total		0	RF		\$0		\$0
10.09	Track: Direct fixation		N/A							
			Element Total		0	RF		\$0		\$0
10.10	Track: Embedded		N/A							
			Element Total		0	RF		\$0		\$0
10.11	Track: Ballasted		N/A							
			Element Total		0	RF		\$0		\$0
10.12	Track: Special (switches, turnouts)		N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-9
Sta. 4100+12 to Sta. 4160+22
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING		DESCRIPTION	COST		UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
	BEGIN	END		ID	QTY					
10.13	Track: Vibration and noise dampening									
		N/A								
			Element Total			1	LS	\$0		\$0

SOUND TRANSIT ST2
HCT Planning
Segment E5-9
Sta. 4100+12 to Sta. 4160+22
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	STATIONING END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
20 STATIONS, STOPS, TERMINALS, INTERMODAL										
20.01	At-grade station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.02	Aerial station, stop, shelter, mall, terminal, platform									
	Overlake Hospital Sta.	Aerial - 30' Center Platform - 4 Vehicle with Mezz.		ST23	1	LS	\$15,729,107	\$15,729,107	15%	\$18,088,473
		Roadway Modifications Allow. - Temporary Paving at BRT Stations		RM04	1	EA	\$37,523	\$37,523	25%	\$46,904
			Element Total		1	LS		\$15,766,630		\$18,135,377
20.03	Underground station, stop, shelter, mall, terminal, platform		N/A							
			Element Total		1	LS		\$0		\$0
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.		N/A							
			Element Total		1	LS		\$0		\$0
20.05	Joint development		N/A							
			Element Total		1	LS		\$0		\$0
20.06	Automobile parking multi-story structure		N/A							
			Element Total		1	LS		\$0		\$0
20.07	Elevators, escalators									
		Pedestrian Vertical Access - Elevator, 40ft.		PA31	2	EA	\$239,800	\$479,600	15%	\$551,540
		Pedestrian Vertical Access - Escalator, 25ft.		PA35	2	EA	\$212,550	\$425,100	15%	\$488,865
		Pedestrian Vertical Access - Escalator, 40ft.		PA36	1	EA	\$289,940	\$289,940	15%	\$333,431
			Element Total		1	LS		\$1,194,640		\$1,373,836
40 SITEWORK & SPECIAL CONDITIONS										
40.01	Demolition, Clearing, Earthwork									
	4100+12 - 4160+22	Demolition Allow. - Guideway		DM80	6,010	RF	\$98	\$589,581	25%	\$736,976
			Element Total		1	LS		\$589,581		\$736,976
40.02	Site Utilities, Utility Relocation									
	4100+12 - 4160+22	Utility Modifications Allow. - Level 3		UM03	6,010	RF	\$676	\$4,061,558	30%	\$5,280,025
	4100+12 - 4160+22	Utility Undergrounding Allow		UM04	6,010	RF	\$872	\$5,240,720	30%	\$6,812,936
		Storm Water Management Allowance		UM10	216,900	SF	\$9	\$2,009,579	30%	\$2,612,452
			Element Total		1	LS		\$11,311,857		\$14,705,413
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments									
	4100+12 - 4160+22	Hazardous Material Removal Allowance		HM01	6,010	RF	\$52	\$312,520	30%	\$406,276
			Element Total		1	LS		\$312,520		\$406,276
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks									
	4100+12 - 4160+22	Enviromental Mitigation Allow. - Level 3		EM03	6,010	RF	\$218	\$1,310,180	30%	\$1,703,234
			Element Total		1	LS		\$1,310,180		\$1,703,234
40.05	Site structures including retaining walls, sound walls		N/A							
			Element Total		1	LS		\$0		\$0
40.06	Pedestrian / bike access and accommodation, landscaping									
	4100+12 - 4160+22	Landscaping Allow. - Guideway		LS10	6,010	RF	\$76	\$458,563	25%	\$573,204
		Artwork (1% of Guideway & Stations)			1%			\$552,129	25%	\$690,161
			Element Total		1	LS		\$1,010,692		\$1,263,364
40.07	Automobile, bus, van accessways including roads, parking lots									
	NE 12th St.	Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)		RM82	115,500	SF	\$32	\$3,744,222	25%	\$4,680,277
	110th Ave.	Roadway Modifications Allow. - AC Paving (incl. Curb & Sidewalk)		RM82	101,400	SF	\$32	\$3,287,135	25%	\$4,108,919

SOUND TRANSIT ST2
HCT Planning
Segment E5-9
Sta. 4100+12 to Sta. 4160+22
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING		DESCRIPTION	COST		UNIT	UNIT COST	BASE COST	ALLCTD CONTRY	TOTAL COST
	BEGIN	END		ID	QTY					
			Element Total		1	LS		\$7,031,357		\$8,789,196
40.08			Temporary Facilities and other indirect costs during construction							
			Temporary Facilities (5.% of Category 40)		5.0%			\$1,078,309	25%	\$1,347,887
			Element Total		1	LS		\$1,078,309		\$1,347,887

SOUND TRANSIT ST2
HCT Planning
Segment E5-9
Sta. 4100+12 to Sta. 4160+22
(Aerial Alignment)

TRANSIT MODE: RCBRT

CAT NO.	STATIONING BEGIN	END	DESCRIPTION	COST ID	QTY	UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
50 SYSTEMS										
50.01	Train control and signals		N/A							
			Element Total		0	RF		\$0		\$0
50.02	Traffic signals and crossing protection		N/A							
			Element Total		0	EA		\$0		\$0
50.03	Traction power supply: substations		N/A							
			Element Total		0	EA		\$0		\$0
50.04	Traction power distribution: catenary and third rail		N/A							
			Element Total		0	RF		\$0		\$0
50.05	Communications									
	4100+12 -	4160+22	Communication, Line - Double	CM02	6,010	RF	\$240	\$1,441,198	15%	\$1,657,378
			Communication, Station	CM05	1	EA	\$545,000	\$545,000	15%	\$626,750
			Element Total		6,010	RF		\$1,986,198		\$2,284,128
50.06	Fare collection system and equipment									
			Fare Collection - 1 Entrance	FC01	1	EA	\$226,720	\$226,720	15%	\$260,728
			Element Total		1	LS		\$226,720		\$260,728
50.07	Central Control		N/A							
			Element Total		1	LS		\$0		\$0

SOUND TRANSIT ST2
HCT Planning
SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS

TRANSIT MODE: RCBRT

(Underground Alignment)

STATIONING		DESCRIPTION	COST		UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
BEGIN	END		ID	QTY					
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS									
30.01 Administration Building: Office, sales, storage, revenue counting		N/A							
		Element Total		1	LS		\$0		\$0
30.02 Light Maintenance Facility		N/A							
		Element Total		1	LS		\$0		\$0
30.03 Heavy Maintenance Facility		N/A							
		Element Total		1	LS		\$0		\$0
30.04 Storage or Maintenance of Way Building		N/A							
		Element Total		1	LS		\$0		\$0
30.05 Yard and Yard Track									
Yard Lead, Eastbound Tk		TBM Tunnel - Single Bore (18'-10" I.D.) - RCBRT	TL01-RC	500	RF	\$7,487	\$3,743,382	35%	\$5,053,565
Yard Lead, Westbound Tk		TBM Tunnel - Single Bore (18'-10" I.D.) - RCBRT	TL01-RC	800	RF	\$7,487	\$5,989,410	35%	\$8,085,704
Yard Lead		Cut and Cover Box (Avg. 45' Depth) - RCBRT	CC04-RC	300	RF	\$26,511	\$7,953,197	35%	\$10,736,816
Yard Lead		Retained Cut - Two Side (Avg. 30' Depth) - RCBRT	RC13-RC	1,000	RF	\$22,763	\$22,762,852	25%	\$28,453,564
Yard Lead		At-Grade Dbl Track in Roadway - RCBRT	AG10-RC	1,100	RF	\$893	\$981,849	25%	\$1,227,311
Yard Lead		Communication, Line - Single	CM01	1,300	RF	\$240	\$311,740	15%	\$358,501
Yard Lead		Communication, Line - Double	CM02	2,400	RF	\$240	\$575,520	15%	\$661,848
		Element Total		1	LS		\$42,317,950		\$54,577,310

SOUND TRANSIT ST2
HCT Planning
SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS

TRANSIT MODE: RCBRT

(Aerial Alignment)

STATIONING		DESCRIPTION	COST		UNIT	BASE COST	ALLCTD CONTGY	TOTAL COST	
BEGIN	END		ID	QTY					
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS									
30.01 Administration Building: Office, sales, storage, revenue counting		N/A							
Element Total					1	LS	\$0	\$0	
30.02 Light Maintenance Facility		N/A							
Element Total					1	LS	\$0	\$0	
30.03 Heavy Maintenance Facility		N/A							
Element Total					1	LS	\$0	\$0	
30.04 Storage or Maintenance of Way Building		N/A							
Element Total					1	LS	\$0	\$0	
30.05 Yard and Yard Track									
Yard Lead, Eastbound Tk		Precast Single Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL14-RC	500	RF	\$5,057	\$2,528,500	35%	\$3,413,475
Yard Lead, Westbound Tk		Precast Single Segmental Box Girder (Avg. Pier 40' Ht.) - RCBRT	EL14-RC	800	RF	\$5,057	\$4,045,600	35%	\$5,461,560
Yard Lead		Precast Segmental Box Girder (Avg. Pier 30' Ht.) - RCBRT	EL23-RC	300	RF	\$6,337	\$1,901,100	35%	\$2,566,485
Yard Lead		Retained Fill - Two Sides (Avg. 20' Height) - RCBRT	RF22-RC	1,000	RF	\$2,762	\$2,761,526	25%	\$3,451,907
Yard Lead		At-Grade Dbl Track in Roadway - RCBRT	AG10-RC	1,100	RF	\$893	\$981,849	25%	\$1,227,311
Yard Lead		Communication, Line - Single	CM01	1,300	RF	\$240	\$311,740	15%	\$358,501
Yard Lead		Communication, Line - Double	CM02	2,400	RF	\$240	\$575,520	15%	\$661,848
Element Total					1	LS	\$13,105,835		\$17,141,088

**SOUND TRANSIT ST2
HCT Planning
Right of Way**

TRANSIT MODE: RCBRT

(Underground Alignment)

STATIONING		DESCRIPTION	COST		UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
BEGIN	END		ID	QTY					
40 SITEWORK & SPECIAL CONDITIONS									
40.01 Demolition, Clearing, Earthwork									
	IDS to Main St/112th	Demolition Allow. - Existing Building	DM06	7,360	SF	\$10	\$70,276	25%	\$87,845
	Bellevue CBD to OLH	Demolition Allow. - Existing Building	DM06	159,297	SF	\$10	\$1,521,031	25%	\$1,901,289
		Element Total		1	LS		\$1,591,308		\$1,989,135
40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatments									
	IDS to Main St/112th	Hazardous Material Removal Allowance	HM05	7,360	SF	\$26	\$191,360	30%	\$248,768
	Bellevue CBD to OLH	Hazardous Material Removal Allowance	HM05	159,297	SF	\$26	\$4,141,722	30%	\$5,384,239
		Element Total		1	LS		\$4,333,082		\$5,633,007
60 ROW, LAND, EXISTING IMPROVEMENTS									
60.01 Purchase or lease of real estate									
		Alignment Total (See separate cost estimate)		1	LS		\$65,472,492	33%	\$87,296,656
		Element Total		1	LS		\$65,472,492		\$87,296,656

**SOUND TRANSIT ST2
HCT Planning
Right of Way**

TRANSIT MODE: RCBRT

(Aerial Alignment)

STATIONING		DESCRIPTION	COST		UNIT	UNIT COST	BASE COST	ALLCTD CONTGY	TOTAL COST
BEGIN	END		ID	QTY					
40 SITEWORK & SPECIAL CONDITIONS									
40.01 Demolition, Clearing, Earthwork									
	IDS to Main St/112th	Demolition Allow. - Existing Building	DM06	7,360	SF	\$10	\$70,276	25%	\$87,845
	Bellevue CBD to OLH	Demolition Allow. - Existing Building	DM06	120,403	SF	\$10	\$1,149,656	25%	\$1,437,070
		Element Total		1	LS		\$1,219,932		\$1,524,915
40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatments									
	IDS to Main St/112th	Hazardous Material Removal Allowance	HM05	7,360	SF	\$26	\$191,360	30%	\$248,768
	Bellevue CBD to OLH	Hazardous Material Removal Allowance	HM05	120,403	SF	\$26	\$3,130,478	30%	\$4,069,621
		Element Total		1	LS		\$3,321,838		\$4,318,389
60 ROW, LAND, EXISTING IMPROVEMENTS									
60.01 Purchase or lease of real estate									
		Alignment Total (See separate cost estimate)		1	LS		\$150,032,822	33%	\$200,043,762
		Element Total		1	LS		\$150,032,822		\$200,043,762