

**APPENDIX E:  
DETAILED COST ESTIMATE SHEETS**

Construction Cost Estimate

Project 1.1.C - South of S 180th Street from Southcenter Parkway to West Valley Highway: New Roadway Construction

Project Description: New roadway with bicycle lanes and sidewalks or multi-use path. Five lanes between Southcenter Parkway and Andover Park W, and three lanes between Andover Park W and West Valley Highway.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	112,550	SF	\$ 2.80	\$ 315,140
Asphalt Concrete Overlay Structure	76,600	SF	\$ 0.18	\$ 13,788
Earthwork	22,500	SF	\$ 230.00	\$ 5,175,000
Curb and Gutter	0	LF	\$ 90.00	\$ -
Sidewalk	6,320	LF	\$ 12.00	\$ 75,840
Curb Ramps	37,920	SF	\$ 4.40	\$ 166,848
Lighting	35	EA	\$ 1,500.00	\$ 52,500
Signing and Striping	3,610	LF	\$ 65.00	\$ 234,650
Storm Drainage - New	3,610	LF	\$ 4.00	\$ 14,440
Storm Drainage - Modify	1,250	LF	\$ 130.00	\$ 162,500
Storm Drainage - Containment	2,360	LF	\$ 40.00	\$ 94,400
Landscaping / Irrigation - Planters & Restoration	3,610	LF	\$ 80.00	\$ 288,800
Retaining Walls	3,160	LF	\$ 125.00	\$ 395,000
Fence	0	SF	\$ 120.00	\$ -
Railing	0	LF	\$ 35.00	\$ -
New Signal	0	LF	\$ 55.00	\$ -
Modify Signal	3	EA	\$ 200,000.00	\$ 600,000
Seismic Improvements	0	EA	\$ 75,000.00	\$ -
Excavation - Roadway	1	EA	\$ 400,000.00	\$ 400,000
Remove Curb and Gutter	0	SF	\$ 0.99	\$ -
Remove Sidewalk	2,750	LF	\$ 10.00	\$ 27,500
Mobilization (10% of Const. Subtotal)	3,000	SF	\$ 1.90	\$ 5,700
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 802,211	\$ 802,211
<b>SUBTOTAL (w/o mobilization and traffic control)</b>	1	LS	\$ 401,105	\$ 401,105
<b>SUBTOTAL</b>				\$ 8,022,106
<b>CONTINGENCY</b>			30%	\$ 2,767,627
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 11,993,048</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	115,000	SF	\$ 65	\$ 7,475,000
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	1	EA	\$ 9,650,000	\$ 9,650,000
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 17,125,000</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 2,398,610
Construction Management, Inspection			15%	\$ 1,798,957
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 4,197,567</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 11,993,048</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 17,125,000</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 4,197,567</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 33,315,615</b>

Notes:

Assumes the Segale Park Drive C and S Glacier Street alignment.  
Project will require coordination with land owners.

Construction Cost Estimate

Project 1.2.A - S 180th Street and Southcenter Parkway: Intersection Improvement

Project Description: Add new westbound and southbound left turn lanes and eliminate the north-south split phasing by restriping the southbound approach. Add sidewalks or hillclimb up S 178th Street toward SeaTac.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	10,000	SF	\$ 2.80	\$ 28,000
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	1,800	LF	\$ 90.00	\$ 162,000
Curb and Gutter	2,000	LF	\$ 12.00	\$ 24,000
Sidewalk	25,920	SF	\$ 4.40	\$ 114,048
Curb Ramps	12	EA	\$ 1,500.00	\$ 18,000
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	1,200	LF	\$ 4.00	\$ 4,800
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	1,200	LF	\$ 40.00	\$ 48,000
Storm Drainage - Containment	1,200	LF	\$ 80.00	\$ 96,000
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	1,000	LF	\$ 125.00	\$ 125,000
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	1	EA	\$ 200,000.00	\$ 200,000
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	1,000	LF	\$ 10.00	\$ 10,000
Remove Sidewalk	6,400	SF	\$ 1.90	\$ 12,160
Mobilization (10% of Const. Subtotal)	1	LS	\$ 84,201	\$ 84,201
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 42,100	\$ 42,100
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 842,008
<b>SUBTOTAL</b>				\$ 968,309
<b>CONTINGENCY</b>			30%	\$ 290,493
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 1,258,802</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	5,500	SF	\$ 65	\$ 357,500
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 357,500</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 251,760
Construction Management, Inspection			15%	\$ 188,820
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 440,581</b>
TOTAL CONSTRUCTION COST				\$ 1,258,802
TOTAL RIGHT OF WAY COST				\$ 357,500
TOTAL ENGINEERING / MANAGEMENT COST				\$ 440,581
<b>TOTAL PROJECT COSTS</b>				<b>\$ 2,056,883</b>

Notes:

Recommended improvements with no realignment of S 178th Street and no new Green River crossings.

Construction Cost Estimate

Project 1.3.A - S 180th Street and Andover Park W: Intersection Improvement

Project Description: Restripe the northbound approach to include a single left, through, and right turn lane. Restripe the southbound approach to include a single left turn lane and a shared through-right lane. Eliminate the north-south split phasing and add protected-permitted left turn phasing on all approaches. Add bicycle lanes on the north leg.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	22,500	SF	\$ 0.18	\$ 4,050
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	0	SF	\$ 4.40	\$ -
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	600	LF	\$ 4.00	\$ 2,400
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	1	EA	\$ 75,000.00	\$ 75,000
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 16,290	\$ 16,290
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 4,073	\$ 4,073
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 81,450
<b>SUBTOTAL</b>				\$ 101,813
<b>CONTINGENCY</b>			30%	\$ 30,544
<b>TOTAL CONSTRUCTION COST</b>				\$ <b>132,356</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 26,471
Construction Management, Inspection			15%	\$ 19,853
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ <b>46,325</b>
<b>TOTAL CONSTRUCTION COST</b>				\$ 132,356
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ 46,325
<b>TOTAL PROJECT COSTS</b>				\$ <b>178,681</b>

Notes:

Construction Cost Estimate

Project 1.4.A - S 180th Street from Sperry Drive S to Green River Bridge: Sidewalk Improvement

Project Description: Construct a sidewalk on the south side of S 180th Street between Sperry Drive S and the Green River Bridge.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	270	LF	\$ 12.00	\$ 3,240
Sidewalk	2,160	SF	\$ 4.40	\$ 9,504
Curb Ramps	7	EA	\$ 1,500.00	\$ 10,500
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	0	LF	\$ 4.00	\$ -
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	270	LF	\$ 125.00	\$ 33,750
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 11,399	\$ 11,399
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 2,850	\$ 2,850
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 56,994
<b>SUBTOTAL</b>				\$ 71,243
<b>CONTINGENCY</b>			30%	\$ 21,373
<b>TOTAL CONSTRUCTION COST</b>				\$ <b>92,615</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 18,523
Construction Management, Inspection			15%	\$ 13,892
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ <b>32,415</b>
TOTAL CONSTRUCTION COST				\$ 92,615
TOTAL RIGHT OF WAY COST				\$ -
TOTAL ENGINEERING / MANAGEMENT COST				\$ 32,415
<b>TOTAL PROJECT COSTS</b>				\$ <b>125,031</b>

Notes:

Construction Cost Estimate

Project 1.5.A - Andover Park E or Andover Park W from Minkler Boulevard to S 180th Street: Bicycle Facility Improvement

Project Description: Restripe the traffic lanes on Andover Parkway W between Minkler Boulevard and S 180th Street from four to three lanes.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	117,000	SF	\$ 0.18	\$ 21,060
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	0	SF	\$ 4.40	\$ -
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	2,600	LF	\$ 4.00	\$ 10,400
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 6,292	\$ 6,292
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 1,573	\$ 1,573
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 31,460
<b>SUBTOTAL</b>				\$ 39,325
<b>CONTINGENCY</b>			30%	\$ 11,798
<b>TOTAL CONSTRUCTION COST</b>				\$ <b>51,123</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 10,225
Construction Management, Inspection			15%	\$ 7,668
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ <b>17,893</b>
<b>TOTAL CONSTRUCTION COST</b>				\$ 51,123
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ 17,893
<b>TOTAL PROJECT COSTS</b>				\$ <b>69,015</b>

Notes:

Construction Cost Estimate

Project 1.6.A - Minkler Boulevard and Andover Park W: Intersection Improvement

Project Description: 1. Realign the eastbound approach of the intersection to squarely meeting the westbound approach.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	9,900	SF	\$ 2.80	\$ 27,720
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	720	LF	\$ 12.00	\$ 8,640
Sidewalk	1,920	SF	\$ 4.40	\$ 8,448
Curb Ramps	8	EA	\$ 1,500.00	\$ 12,000
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	700	LF	\$ 4.00	\$ 2,800
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	480	LF	\$ 40.00	\$ 19,200
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	240	LF	\$ 125.00	\$ 30,000
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	1	EA	\$ 200,000.00	\$ 200,000
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	5,000	SF	\$ 0.99	\$ 4,950
Remove Curb and Gutter	720	LF	\$ 10.00	\$ 7,200
Remove Sidewalk/Parking Lot	9,920	SF	\$ 1.90	\$ 18,848
Mobilization (10% of Const. Subtotal)	1	LS	\$ 33,981	\$ 33,981
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 16,990	\$ 16,990
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 339,806
<b>SUBTOTAL</b>				\$ 390,777
<b>CONTINGENCY</b>			30%	\$ 117,233
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 508,010</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	5,000	SF	\$ 65	\$ 325,000
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
Parking Removal	27	EA	\$ 20,000	\$ 540,000
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 865,000</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 101,602
Construction Management, Inspection			15%	\$ 76,201
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 177,803</b>
TOTAL CONSTRUCTION COST				\$ 508,010
TOTAL RIGHT OF WAY COST				\$ 865,000
TOTAL ENGINEERING / MANAGEMENT COST				\$ 177,803
<b>TOTAL PROJECT COSTS</b>				<b>\$ 1,550,813</b>

Notes:

Realignment would occur on private property.

Construction Cost Estimate

Project 1.7.B - Minkler Boulevard from Andover Park W to W Valley Highway: Roadway Extension

Project Description: Widen roadway to four-to-five lanes between Andover Parkway W and West Valley Highway, including bike lanes, sidewalks, new bridge over the Green River, and new traffic signal at West Valley Highway.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	89,250	SF	\$ 2.80	\$ 249,900
Asphalt Concrete Overlay	70,125	SF	\$ 0.18	\$ 12,623
Structure	45,240	SF	\$ 230.00	\$ 10,405,200
Earthwork	55,000	LF	\$ 90.00	\$ 4,950,000
Curb and Gutter	4,250	LF	\$ 12.00	\$ 51,000
Sidewalk	30,140	SF	\$ 4.40	\$ 132,616
Curb Ramps	20	EA	\$ 1,500.00	\$ 30,000
Lighting	2,705	LF	\$ 65.00	\$ 175,825
Signing and Striping	2,705	LF	\$ 4.00	\$ 10,820
Storm Drainage - New	375	LF	\$ 130.00	\$ 48,750
Storm Drainage - Modify	1,750	LF	\$ 40.00	\$ 70,000
Storm Drainage - Containment	2,705	LF	\$ 80.00	\$ 216,400
Landscaping / Irrigation - Planters & Restoration	2,125	LF	\$ 125.00	\$ 265,625
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	4	EA	\$ 200,000.00	\$ 800,000
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	1	EA	\$ 400,000.00	\$ 400,000
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	1,875	LF	\$ 10.00	\$ 18,750
Remove Sidewalk	250	SF	\$ 1.90	\$ 475
Mobilization (10% of Const. Subtotal)	1	LS	\$ 1,783,798	\$ 1,783,798
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 891,899	\$ 891,899
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 17,837,984
<b>SUBTOTAL</b>				\$ 20,513,681
<b>CONTINGENCY</b>			30%	\$ 6,154,104
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 26,667,785</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	34,125	SF	\$ 65	\$ 2,218,125
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	1	EA	\$ 220,000	\$ 220,000
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 2,438,125</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 5,333,557
Construction Management, Inspection			15%	\$ 4,000,168
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 9,333,725</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 26,667,785</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 2,438,125</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 9,333,725</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 38,439,635</b>

Notes:

City owns property on west side of Green River.



Construction Cost Estimate

Project 1.8.A - Andover Park E from Minkler Boulevard to Strander Boulevard: Bicycle Facility

Project Description: Restripe the traffic lanes on Andover Parkway E between Minkler Boulevard and Strander Boulevard Street from four to three lanes.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	117,000	SF	\$ 0.18	\$ 21,060
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	0	SF	\$ 4.40	\$ -
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	2,600	LF	\$ 4.00	\$ 10,400
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 6,292	\$ 6,292
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 1,573	\$ 1,573
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 31,460
<b>SUBTOTAL</b>				\$ 39,325
<b>CONTINGENCY</b>			30%	\$ 11,798
<b>TOTAL CONSTRUCTION COST</b>				\$ <b>51,123</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 10,225
Construction Management, Inspection			15%	\$ 7,668
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ <b>17,893</b>
TOTAL CONSTRUCTION COST				\$ 51,123
TOTAL RIGHT OF WAY COST				\$ -
TOTAL ENGINEERING / MANAGEMENT COST				\$ 17,893
<b>TOTAL PROJECT COSTS</b>				\$ <b>69,015</b>

Notes:

Construction Cost Estimate

Project 1.9.C - W Valley Highway from Strander Boulevard to S 180th Street: Sidewalk Improvement

Project Description: Require property owners along this corridor to provide sidewalk as redevelopment occurs; the improvements are not recommended as a City project, and have no direct City cost.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	0	SF	\$ 4.40	\$ -
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	0	LF	\$ 4.00	\$ -
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ -	\$ -
Traffic Control (5% of Const. Subtotal)	1	LS	\$ -	\$ -
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ -
<b>SUBTOTAL</b>				\$ -
<b>CONTINGENCY</b>			30%	\$ -
<b>TOTAL CONSTRUCTION COST</b>				\$ -
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ -
Construction Management, Inspection			15%	\$ -
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ -
<b>TOTAL CONSTRUCTION COST</b>				\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ -
<b>TOTAL PROJECT COSTS</b>				\$ -

Notes:

Construction Cost Estimate

Project 1.10.C - S 168th (Pond) Street from Southcenter Boulevard to Andover Park E: New Street Construction

Project Description: Construct new two-lane street with sidewalks, planter strip and on-street parking.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	120,000	SF	\$ 2.80	\$ 336,000
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	3,000	LF	\$ 90.00	\$ 270,000
Curb and Gutter	6,000	LF	\$ 12.00	\$ 72,000
Sidewalk	54,000	SF	\$ 4.40	\$ 237,600
Curb Ramps	30	EA	\$ 1,500.00	\$ 45,000
Lighting	3,000	LF	\$ 65.00	\$ 195,000
Signing and Striping	3,000	LF	\$ 4.00	\$ 12,000
Storm Drainage - New	3,000	LF	\$ 130.00	\$ 390,000
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	3,000	LF	\$ 80.00	\$ 240,000
Landscaping		SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	3,000	LF	\$ 125.00	\$ 375,000
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	1,500	LF	\$ 35.00	\$ 52,500
Railing	0	LF	\$ 55.00	\$ -
New Signal	3	EA	\$ 200,000.00	\$ 600,000
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Asphalt/Concrete	120,000	SF	\$ 1.90	\$ 228,000
Mobilization (10% of Const. Subtotal)	1	LS	\$ 305,310	\$ 305,310
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 152,655	\$ 152,655
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 3,053,100
<b>SUBTOTAL</b>				\$ 3,511,065
<b>CONTINGENCY</b>			30%	\$ 1,053,320
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 4,564,385</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	120,000	SF	\$ 65	\$ 7,800,000
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	1	EA	\$ 3,463,800	\$ 3,463,800
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 11,263,800</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 912,877
Construction Management, Inspection			15%	\$ 684,658
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 1,597,535</b>
TOTAL CONSTRUCTION COST				\$ 4,564,385
TOTAL RIGHT OF WAY COST				\$ 11,263,800
TOTAL ENGINEERING / MANAGEMENT COST				\$ 1,597,535
<b>TOTAL PROJECT COSTS</b>				<b>\$ 17,425,719</b>

Notes:

3,000 feet of new road.

Design based on recommendations in the Tukwila Urban Center Plan. TIP cost estimate at \$23M.

Construction Cost Estimate

Project 1.11.A - Treck Drive from Andover Park W to Andover Park E: New Street Construction

Project Description: Extend Treck Drive to provide a connection between Andover Park W and Andover Park E

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	21,840	SF	\$ 2.80	\$ 61,152
Asphalt Concrete Overlay Structure	0	SF	\$ 0.18	\$ -
Earthwork	0	SF	\$ 230.00	\$ -
Curb and Gutter	0	LF	\$ 90.00	\$ -
Sidewalk	830	LF	\$ 12.00	\$ 9,960
Curb Ramps	0	SF	\$ 4.40	\$ -
Lighting	2	EA	\$ 1,500.00	\$ 3,000
Signing and Striping	0	LF	\$ 65.00	\$ -
Storm Drainage - New	546	LF	\$ 4.00	\$ 2,184
Storm Drainage - Modify	0	LF	\$ 130.00	\$ -
Storm Drainage - Containment	0	LF	\$ 40.00	\$ -
Landscaping	0	LF	\$ 80.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	SF	\$ 7.00	\$ -
Retaining Walls	1,090	LF	\$ 125.00	\$ 136,250
Fence	0	SF	\$ 120.00	\$ -
Railing	0	LF	\$ 35.00	\$ -
New Signal	0	LF	\$ 55.00	\$ -
Modify Signal	1	EA	\$ 200,000.00	\$ 200,000
Seismic Improvements	0	EA	\$ 75,000.00	\$ -
Excavation - Roadway	0	EA	\$ 400,000.00	\$ -
Remove Curb and Gutter	23,900	SF	\$ 0.99	\$ 23,661
Remove Roadway	700	LF	\$ 10.00	\$ 7,000
Mobilization (10% of Const. Subtotal)	23,900	SF	\$ 1.90	\$ 45,410
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 48,862	\$ 48,862
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 488,617
<b>SUBTOTAL</b>				\$ 561,910
<b>CONTINGENCY</b>			30%	\$ 168,573
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 730,482</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	14520	SF	\$ 65	\$ 943,800
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 943,800</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 146,096
Construction Management, Inspection			15%	\$ 109,572
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 255,669</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 730,482</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 943,800</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 255,669</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 1,929,951</b>

Notes:

Construction Cost Estimate

Project 1.12.A - Green River and Interurban Trails from West Valley Highway: Bicycle Facility

Project Description: Construct improvements to the Green River Trail near S 180th Street. Provide wayfinding signs at 10 locations.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	3,600	SF	\$ 2.80	\$ 10,080
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	0	SF	\$ 4.40	\$ -
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	3,750	LF	\$ 4.00	\$ 65,000
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	3,600	SF	\$ 0.99	\$ 3,564
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 15,729	\$ 15,729
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 3,932	\$ 3,932
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 78,644
<b>SUBTOTAL</b>				\$ 98,305
<b>CONTINGENCY</b>			30%	\$ 29,492
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 127,797</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 25,559
Construction Management, Inspection			15%	\$ 19,169
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 44,729</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 127,797</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 44,729</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 172,526</b>

Notes:

Work with property owners along the east side of West Valley Highway to gain more access to the Interurban Trail between Strander Boulevard and S 180th Street.

Construction Cost Estimate

Project 1.13.B - Strander Boulevard and W Valley Highway: Intersection Improvement

Project Description: Modify the proposed Strander Boulevard extension project design to add a westbound to northbound right turn lane, widen the eastbound approach to include two left turn lanes, a through lane, and a shared through-right lane, and add sidewalks on the south side of Strander Boulevard between the Green River bridge and the east City Limit.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	12,600	SF	\$ 2.80	\$ 35,280
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	1,050	LF	\$ 90.00	\$ 94,500
Curb and Gutter	350	LF	\$ 12.00	\$ 4,200
Sidewalk	2,100	SF	\$ 4.40	\$ 9,240
Curb Ramps	2	EA	\$ 1,500.00	\$ 3,000
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	0	LF	\$ 4.00	\$ -
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	350	LF	\$ 40.00	\$ 14,000
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	4,375	SF	\$ 120.00	\$ 525,000
Fence	0	LF	\$ 35.00	\$ -
Railing	350	LF	\$ 55.00	\$ 19,250
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	1	EA	\$ 75,000.00	\$ 75,000
Seismic Improvements	0	Each	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	350	LF	\$ 10.00	\$ 3,500
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (10% of Const. Subtotal)	1	LS	\$ 78,297	\$ 78,297
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 39,149	\$ 39,149
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 782,970
<b>SUBTOTAL</b>				\$ 900,416
<b>CONTINGENCY</b>			30%	\$ 270,125
<b>TOTAL CONSTRUCTION COST</b>				\$ 1,170,540
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	14000	SF	\$ 65	\$ 910,000
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ 910,000
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 234,108
Construction Management, Inspection			15%	\$ 175,581
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ 409,689
<b>TOTAL CONSTRUCTION COST</b>				\$ 1,170,540
<b>TOTAL RIGHT OF WAY COST</b>				\$ 910,000
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ 409,689
<b>TOTAL PROJECT COSTS</b>				\$ 2,490,000

Notes:

Per an interlocal agreement, Tukwila and Renton will split the project costs equally.  
 Total project cost at \$37 million, in addition to the costs identified above.

Construction Cost Estimate

Project 1.15.B - Baker Boulevard from Andover Park W to W Valley Highway: Pedestrian and Bicycle Facility Improvement

Project Description: Restripe the traffic lanes on Baker Boulevard from Andover Park West to W Valley Highway to provide bicycle lanes

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	70,000	SF	\$ 0.18	\$ 12,600
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	0	SF	\$ 4.40	\$ -
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	1,400	LF	\$ 4.00	\$ 5,600
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 3,640	\$ 3,640
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 910	\$ 910
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 18,200
<b>SUBTOTAL</b>				\$ 22,750
<b>CONTINGENCY</b>			30%	\$ 6,825
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 29,575</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 5,915
Construction Management, Inspection			15%	\$ 4,436
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 10,351</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 29,575</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 10,351</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 8,759,926</b>

Notes:

Includes TIP project costs for Baker Boulevard trail and Green River Bridge (\$7.6 million) and Southcenter/Urban Center Pedestrian Improvements (\$1.1 million)

Construction Cost Estimate

Project 1.16.C - I-5 Northbound Off-Ramp and Southcenter Parkway: Intersection Improvement

Project Description: Realign the westbound approach of the intersection to squarely meet the eastbound approach. Eliminate eastbound and westbound split phasing, and add a new westbound lane.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	18,000	SF	\$ 2.80	\$ 50,400
Asphalt Concrete Overlay Structure	0	SF	\$ 0.18	\$ -
Earthwork	600	LF	\$ 90.00	\$ 54,000
Curb and Gutter	500	LF	\$ 12.00	\$ 6,000
Sidewalk	1,800	SF	\$ 4.40	\$ 7,920
Curb Ramps	3	EA	\$ 1,500.00	\$ 4,500
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	350	LF	\$ 4.00	\$ 1,400
Storm Drainage - New	80	LF	\$ 130.00	\$ 10,400
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	600	LF	\$ 125.00	\$ 75,000
Retaining Walls	1,800	SF	\$ 120.00	\$ 216,000
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	1	EA	\$ 75,000.00	\$ 75,000
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	18,000	SF	\$ 0.99	\$ 17,820
Remove Curb and Gutter	900	LF	\$ 10.00	\$ 9,000
Remove Sidewalk	1,800	SF	\$ 1.90	\$ 3,420
Mobilization (10% of Const. Subtotal)	1	LS	\$ 53,086	\$ 53,086
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 26,543	\$ 26,543
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 530,860
<b>SUBTOTAL</b>				\$ 610,489
<b>CONTINGENCY</b>			30%	\$ 183,147
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 793,636</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 158,727
Construction Management, Inspection			15%	\$ 119,045
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 277,772</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 793,636</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 277,772</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 1,071,000</b>

Notes:

Project will require coordination with Southcenter Mall owner and potentially WSDOT.



Construction Cost Estimate

Project 1.18.A - Andover Park E from Strander Boulevard to Tukwila Parkway: Bicycle Facility Improvement

Project Description: Construct bicycle lanes along Andover Park E between Tukwila Parkway and Strander Boulevard by creating two travel lanes with a center two-way left turn lane.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	0	SF	\$ 4.40	\$ -
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	2,016	LF	\$ 4.00	\$ 8,064
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	3	EA	\$ 75,000.00	\$ 225,000
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Roadway	0	SF	\$ 1.90	\$ -
Mobilization (10% of Const. Subtotal)	1	LS	\$ 23,306	\$ 23,306
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 11,653	\$ 11,653
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 233,064
<b>SUBTOTAL</b>				\$ 268,024
<b>CONTINGENCY</b>			30%	\$ 80,407
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 348,431</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 69,686
Construction Management, Inspection			15%	\$ 52,265
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 121,951</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 348,431</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 121,951</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 470,381</b>

Notes:

Alternative 2

Construction Cost Estimate

Project 1.19.B - Tukwila Parkway and 61st Avenue S: Intersection Improvement

Project Description: Add a raised island to southbound approach to allow free right turns. Add a C-curb west of the island to prevent any lane changes to turn into the first Southcenter Mall entrance west of 61st Avenue S.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Asphalt Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	575	LF	\$ 12.00	\$ 6,900
Sidewalk	300	SF	\$ 4.40	\$ 1,320
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	0	LF	\$ 4.00	\$ -
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	1	EA	\$ 75,000.00	\$ 75,000
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Asphalt/Concrete	600	SF	\$ 1.90	\$ 1,140
Mobilization (20% of Const. Subtotal)	1	LS	\$ 16,872	\$ 16,872
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 4,218	\$ 4,218
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 84,360
<b>SUBTOTAL</b>				\$ 105,450
<b>CONTINGENCY</b>			30%	\$ 31,635
<b>TOTAL CONSTRUCTION COST</b>				\$ 137,085
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 27,417
Construction Management, Inspection			15%	\$ 20,563
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ 47,980
<b>TOTAL CONSTRUCTION COST</b>				\$ 137,085
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ 47,980
<b>TOTAL PROJECT COSTS</b>				\$ 185,065

Notes:

Mall owner would be responsible for the new roadway entering the Southcenter Mall parking lot.

Construction Cost Estimate

Project 1.21.C - Tukwila Parkway from 66th Avenue S to W Valley Highway: Roadway Extension  
 Project Description: WSDOT project to be constructed as part of future I-405 widening. Extend Tukwila Parkway from 68th Avenue S to West Valley Highway.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	73,810	SF	\$ 2.80	\$ 206,668
Asphalt Concrete Overlay Structure	0	SF	\$ 0.18	\$ -
Earthwork	33,000	SF	\$ 230.00	\$ 7,590,000
Curb and Gutter	2,460	LF	\$ 12.00	\$ 29,520
Sidewalk	19,680	SF	\$ 4.40	\$ 86,592
Curb Ramps	20	EA	\$ 1,500.00	\$ 30,000
Lighting	1,230	LF	\$ 65.00	\$ 79,950
Signing and Striping	1,230	LF	\$ 4.00	\$ 4,920
Storm Drainage - New	1,230	LF	\$ 130.00	\$ 159,900
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	1,230	LF	\$ 80.00	\$ 98,400
Landscaping		SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	2,460	LF	\$ 125.00	\$ 307,500
Retaining Walls	15,000	SF	\$ 120.00	\$ 1,800,000
Fence	1,000	LF	\$ 35.00	\$ 35,000
Railing	2,000	LF	\$ 55.00	\$ 110,000
New Signal	3	EA	\$ 200,000.00	\$ 600,000
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	1	EA	\$ 400,000.00	\$ 400,000
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (10% of Const. Subtotal)	1	LS	\$ 1,175,985	\$ 1,175,985
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 587,993	\$ 587,993
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 11,759,850
<b>SUBTOTAL</b>				\$ 13,523,828
<b>CONTINGENCY</b>			30%	\$ 4,057,148
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 17,580,976</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	80,000	SF	\$ 65	\$ 5,200,000
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	1	EA	\$ 572,400	\$ 572,400
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 5,772,400</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 3,516,195
Construction Management, Inspection			15%	\$ 2,637,146
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 6,153,342</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 17,580,976</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ 5,772,400</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 6,153,342</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 29,506,718</b>

Notes:

Structure costs based on WSDOT estimate and do not include the ramp connections to I-405.

Construction Cost Estimate

Project 1.22.C - Southcenter Boulevard and I-405 Southbound Off-Ramp: Intersection Improvement

Project Description: Coordinate with WSDOT to add a new signal. The intersection is controlled by WSDOT and WSDOT would be responsible for the cost of a new signal.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	0	SF	\$ 4.40	\$ -
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	0	LF	\$ 4.00	\$ -
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	1	EA	\$ 200,000.00	\$ 200,000
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 40,000	\$ 40,000
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 10,000	\$ 10,000
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 200,000
<b>SUBTOTAL</b>				\$ 250,000
<b>CONTINGENCY</b>			30%	\$ 75,000
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 325,000</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 65,000
Construction Management, Inspection			15%	\$ 48,750
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 113,750</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 325,000</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 113,750</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 438,750</b>

Notes:

Assumes minimal modification to the intersection other than new signal.

Construction Cost Estimate

Project 1.24.A - Southcenter Boulevard from 61st Avenue S to 62nd Avenue S: Sidewalk and Crosswalk Improvement

Project Description: Add a sidewalk on the south side of Southcenter Boulevard between 61st Avenue S Bridge and 62nd Avenue S. New crosswalks at 62nd Avenue S.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	2,760	SF	\$ 4.40	\$ 12,144
Curb Ramps	10	EA	\$ 1,500.00	\$ 15,000
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	100	LF	\$ 4.00	\$ 400
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	1,500	SF	\$ 0.99	\$ 1,485
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 5,806	\$ 5,806
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 1,451	\$ 1,451
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 29,029
<b>SUBTOTAL</b>				\$ 36,286
<b>CONTINGENCY</b>			30%	\$ 10,886
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 47,172</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 9,434
Construction Management, Inspection			15%	\$ 7,076
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 16,510</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 47,172</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 16,510</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 63,682</b>

Notes:

Construction Cost Estimate

Project 1.25.B - Southcenter Boulevard and 65th Avenue S: Crosswalk Improvement

Project Description: Add a sidewalk on the south side of Southcenter Boulevard near 65th Avenue S. New crosswalks at 65th Ave S.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	420	SF	\$ 4.40	\$ 1,848
Curb Ramps	4	EA	\$ 1,500.00	\$ 6,000
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	100	LF	\$ 4.00	\$ 400
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	1,200	SF	\$ 120.00	\$ 144,000
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	1,500	SF	\$ 0.99	\$ 1,485
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 30,747	\$ 30,747
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 7,687	\$ 7,687
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 153,733
<b>SUBTOTAL</b>				\$ 192,166
<b>CONTINGENCY</b>			30%	\$ 57,650
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 249,816</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 49,963
Construction Management, Inspection			15%	\$ 37,472
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 87,436</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 249,816</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 87,436</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 337,252</b>

Notes:

Project costs include new retaining wall at the 65th Avenue intersection.

Construction Cost Estimate

Project 1.26.A - Southcenter Boulevard and 66th Avenue S: Intersection Improvement

Project Description: Restripe westbound approach lane configuration to one through lane and two left turn lanes.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	14,400	SF	\$ 0.18	\$ 2,592
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	0	LF	\$ 12.00	\$ -
Sidewalk	0	SF	\$ 4.40	\$ -
Curb Ramps	0	EA	\$ 1,500.00	\$ -
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	400	LF	\$ 4.00	\$ 1,600
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ 18,750
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (20% of Const. Subtotal)	1	LS	\$ 4,588	\$ 4,588
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 1,147	\$ 1,147
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 22,942
<b>SUBTOTAL</b>				\$ 28,678
<b>CONTINGENCY</b>			30%	\$ 8,603
<b>TOTAL CONSTRUCTION COST</b>				\$ <b>37,281</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 7,456
Construction Management, Inspection			15%	\$ 5,592
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ <b>13,048</b>
TOTAL CONSTRUCTION COST				\$ 37,281
TOTAL RIGHT OF WAY COST				\$ -
TOTAL ENGINEERING / MANAGEMENT COST				\$ 13,048
<b>TOTAL PROJECT COSTS</b>				\$ <b>50,329</b>

Notes:

Restripe 400 feet of Southcenter Boulevard. Short-term project.  
 Replace westbound loop detector and signal head.

Construction Cost Estimate

Project 1.27.B - Southcenter Boulevard and W Valley Highway: Intersection Improvement

Project Description: Modify the southbound channelized right turn lane by reducing the corner radius of the lane. Add textured crosswalks to eastbound and northbound approaches to the intersection.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	350	LF	\$ 12.00	\$ 4,200
Sidewalk	1,500	SF	\$ 4.40	\$ 6,600
Curb Ramps	9	EA	\$ 1,500.00	\$ 13,500
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	550	LF	\$ 4.00	\$ 2,200
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	310	LF	\$ 40.00	\$ 12,400
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	5,000	SF	\$ 7.00	\$ 35,000
Landscaping / Irrigation - Planters & Restoration	100	LF	\$ 125.00	\$ 12,500
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	20,000	SF	\$ 0.99	\$ 19,800
Remove Curb and Gutter	225	LF	\$ 10.00	\$ 2,250
Remove Sidewalk	2500	SF	\$ 1.90	\$ 4,750
Mobilization (20% of Const. Subtotal)	1	LS	\$ 22,640	\$ 22,640
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 5,660	\$ 5,660
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 113,200
<b>SUBTOTAL</b>				\$ 141,500
<b>CONTINGENCY</b>			30%	\$ 42,450
<b>TOTAL CONSTRUCTION COST</b>				\$ <b>183,950</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 36,790
Construction Management, Inspection			15%	\$ 27,593
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ <b>64,383</b>
TOTAL CONSTRUCTION COST				\$ 183,950
TOTAL RIGHT OF WAY COST				\$ -
TOTAL ENGINEERING / MANAGEMENT COST				\$ 64,383
<b>TOTAL PROJECT COSTS</b>				\$ <b>248,333</b>

Notes:

WSDOT Right of Way.



Construction Cost Estimate

Project 3.2.B - Klickitat Drive from 53rd Avenue S to Southcenter Parkway: Walkway Improvement

Project Description: Extend the multi-use trail from 53rd Avenue S to the Southcenter Boulevard bridge. Enhance the existing multi-use trail with pedestrian lighting and shorter fence.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	1,900	SF	\$ 230.00	\$ 437,000
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	1,260	LF	\$ 12.00	\$ 15,120
Sidewalk	12,600	SF	\$ 4.40	\$ 55,440
Curb Ramps	10	EA	\$ 1,500.00	\$ 15,000
Lighting	3,500	LF	\$ 65.00	\$ 227,500
Signing and Striping	0	LF	\$ 4.00	\$ -
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	1,600	LF	\$ 35.00	\$ 56,000
Railing	310	LF	\$ 55.00	\$ 17,050
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	12,600	SF	\$ 0.99	\$ 12,474
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (10% of Const. Subtotal)	1	LS	\$ 83,558	\$ 83,558
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 41,779	\$ 41,779
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 835,584
<b>SUBTOTAL</b>				\$ 960,922
<b>CONTINGENCY</b>			30%	\$ 288,276
<b>TOTAL CONSTRUCTION COST</b>				\$ <b>1,249,198</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 249,840
Construction Management, Inspection			15%	\$ 187,380
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ <b>437,219</b>
<b>TOTAL CONSTRUCTION COST</b>				\$ 1,249,198
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ 437,219
<b>TOTAL PROJECT COSTS</b>				\$ <b>1,686,417</b>

Notes:

Assumes existing structure can accommodate trail. Need to confirm with WSDOT.

New bridge structure would cost \$5-10M. Coordinate with the WSDOT to widen the overpass.

Construction Cost Estimate

Project 3.15.B - S 141st Street from Tukwila International Boulevard to 42nd Avenue S: Sidewalk Improvement

Project Description: Add a 6 foot sidewalk on the south side of S 141st Street between Tukwila International Boulevard and 42nd Avenue S.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	510	LF	\$ 12.00	\$ 6,120
Sidewalk	3,060	SF	\$ 4.40	\$ 13,464
Curb Ramps	4	EA	\$ 1,500.00	\$ 6,000
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	0	LF	\$ 4.00	\$ -
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	510	LF	\$ 40.00	\$ 20,400
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	0	SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	0	SF	\$ 0.99	\$ -
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Sidewalk	0	SF	\$ 1.90	\$ -
Mobilization (10% of Const. Subtotal)	1	LS	\$ 4,598	\$ 4,598
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 2,299	\$ 2,299
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 45,984
<b>SUBTOTAL</b>				\$ 52,882
<b>CONTINGENCY</b>			30%	\$ 15,864
<b>TOTAL CONSTRUCTION COST</b>				\$ 68,746
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 13,749
Construction Management, Inspection			15%	\$ 10,312
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ 24,061
<b>TOTAL CONSTRUCTION COST</b>				\$ 68,746
<b>TOTAL RIGHT OF WAY COST</b>				\$ -
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				\$ 24,061
<b>TOTAL PROJECT COSTS</b>				\$ 92,807

Notes:

This is an adjustment to Walk & Roll project P3. That project widened the road and added sidewalks to both sides, requiring ROW and a fill wall. This project adds a sidewalk on one side only.

Construction Cost Estimate

Project 3.22.B - E Marginal Way/40th Avenue S and S 130th Street: Intersection Improvement

Project Description: Re-align 40th Avenue S and create a new unsignalized intersection at E Marginal Way south of the intersection with S 130th Street.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	80	LF	\$ 90.00	\$ 7,200
Curb and Gutter	240	LF	\$ 12.00	\$ 2,880
Sidewalk	1,100	SF	\$ 4.40	\$ 4,840
Curb Ramps	8	EA	\$ 1,500.00	\$ 12,000
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	300	LF	\$ 4.00	\$ 1,200
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	250	LF	\$ 40.00	\$ 10,000
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	3,300	SF	\$ 7.00	\$ 23,100
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation	3,300	SF	\$ 0.99	\$ 3,267
Remove Curb and Gutter	350	LF	\$ 10.00	\$ 3,500
Remove Roadway	3300	SF	\$ 1.90	\$ 6,270
Mobilization (20% of Const. Subtotal)	1	LS	\$ 14,851	\$ 14,851
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 3,713	\$ 3,713
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 74,257
<b>SUBTOTAL</b>				\$ 92,821
<b>CONTINGENCY</b>			30%	\$ 27,846
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 120,668</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 24,134
Construction Management, Inspection			15%	\$ 18,100
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 42,234</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 120,668</b>
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 42,234</b>
<b>TOTAL PROJECT COSTS</b>				<b>\$ 162,901</b>

Notes:

Construction Cost Estimate

Project 4.3.C - S Boeing Access Road and E Marginal Way S/Tukwila International Boulevard: Intersection Improvement

Project Description: Redesign the intersection by restricting the northbound movement on E Marginal Way S to right turn only.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	0	SF	\$ 2.80	\$ -
Asphalt Concrete Overlay	0	SF	\$ 0.18	\$ -
Structure	0	SF	\$ 230.00	\$ -
Earthwork	0	LF	\$ 90.00	\$ -
Curb and Gutter	600	LF	\$ 12.00	\$ 7,200
Sidewalk	2,100	SF	\$ 4.40	\$ 9,240
Curb Ramps	3	EA	\$ 1,500.00	\$ 4,500
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	500	LF	\$ 4.00	\$ 2,000
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping	2,000	SF	\$ 7.00	\$ 14,000
Landscaping / Irrigation - Planters & Restoration	0	LF	\$ 125.00	\$ -
Retaining Walls	0	SF	\$ 120.00	\$ -
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	0	EA	\$ 200,000.00	\$ -
Modify Signal	1	EA	\$ 75,000.00	\$ 75,000
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	2,100	SF	\$ 0.99	\$ 2,079
Remove Curb and Gutter	0	LF	\$ 10.00	\$ -
Remove Roadway	2,100	SF	\$ 1.90	\$ 3,990
Mobilization (20% of Const. Subtotal)	1	LS	\$ 23,602	\$ 23,602
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 5,900	\$ 5,900
<b>SUBTOTAL (w/o mobilization and traffic control)</b>				\$ 118,009
<b>SUBTOTAL</b>				\$ 147,511
<b>CONTINGENCY</b>			30%	\$ 44,253
<b>TOTAL CONSTRUCTION COST</b>				<b>\$ 191,765</b>
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>				<b>\$ -</b>
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20%	\$ 38,353
Construction Management, Inspection			15%	\$ 28,765
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>				<b>\$ 67,118</b>
TOTAL CONSTRUCTION COST				\$ 191,765
TOTAL RIGHT OF WAY COST				\$ -
TOTAL ENGINEERING / MANAGEMENT COST				\$ 67,118
<b>TOTAL PROJECT COSTS</b>				<b>\$ 258,882</b>

Notes:

Construct raised island to restrict northbound movement to right turn only.

Construction Cost Estimate

Project 4.4.B - S Boeing Access Road from Martin Luther King Junior Way S to E Marginal Way S: Walkway Improvement

Project Description: Construct sidewalks on the north side of S Boeing Access Road from Martin Luther King Jr Way S to E Marginal Way S. Re-align the southbound ramps from I-5 and Airport Way S that connect with S Boeing Access Road by creating right-angle intersections. TIP cost estimate to replace all bridges from Airport Way S to I-5 is \$30.7 M.

Description	Quantity	Unit	Unit Cost	Total
Asphalt Concrete Pavement	11,600	SF	\$ 2.80	\$ 32,480
Asphalt Concrete Overlay Structure	0	SF	\$ 0.18	\$ -
Earthwork	800	LF	\$ 90.00	\$ 72,000
Curb and Gutter	2,050	LF	\$ 12.00	\$ 24,600
Sidewalk	18,600	SF	\$ 4.40	\$ 81,840
Curb Ramps	8	EA	\$ 1,500.00	\$ 12,000
Lighting	0	LF	\$ 65.00	\$ -
Signing and Striping	2,400	LF	\$ 4.00	\$ 9,600
Storm Drainage - New	0	LF	\$ 130.00	\$ -
Storm Drainage - Modify	0	LF	\$ 40.00	\$ -
Storm Drainage - Containment	0	LF	\$ 80.00	\$ -
Landscaping		SF	\$ 7.00	\$ -
Landscaping / Irrigation - Planters & Restoration	1,600	LF	\$ 125.00	\$ 200,000
Retaining Walls	1,000	SF	\$ 120.00	\$ 120,000
Fence	0	LF	\$ 35.00	\$ -
Railing	0	LF	\$ 55.00	\$ -
New Signal	4	EA	\$ 200,000.00	\$ 800,000
Modify Signal	0	EA	\$ 75,000.00	\$ -
Seismic Improvements	0	EA	\$ 400,000.00	\$ -
Excavation - Roadway	23,900	SF	\$ 0.99	\$ 23,661
Remove Curb and Gutter	1,000	LF	\$ 10.00	\$ 10,000
Remove Roadway	12,000	SF	\$ 1.90	\$ 22,800
Mobilization (10% of Const. Subtotal)	1	LS	\$ 140,898	\$ 140,898
Traffic Control (5% of Const. Subtotal)	1	LS	\$ 70,449	\$ 70,449
<b>SUBTOTAL (w/o mobilization and traffic control)</b>			\$	\$ 1,408,981
<b>SUBTOTAL</b>			\$	\$ 1,620,328
<b>CONTINGENCY</b>			40% \$	\$ 648,131
<b>TOTAL CONSTRUCTION COST</b>			\$	\$ 2,268,459
<b>RIGHT OF WAY COST ESTIMATE</b>				
Land - Commercial	0	SF	\$ 65	\$ -
Land - Residential	0	SF	\$ 35	\$ -
Building - Commercial	0	EA	\$ 1,000,000	\$ -
Building - Residential	0	EA	\$ 250,000	\$ -
<b>TOTAL RIGHT OF WAY COST</b>			\$	\$ -
<b>ENGINEERING / MANAGEMENT COST ESTIMATE</b>				
Design, Survey			20% \$	\$ 453,692
Construction Management, Inspection			15% \$	\$ 340,269
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>			\$	\$ 793,961
<b>TOTAL CONSTRUCTION COST</b>			\$	\$ 2,268,459
<b>TOTAL RIGHT OF WAY COST</b>			\$	\$ -
<b>TOTAL ENGINEERING / MANAGEMENT COST</b>			\$	\$ 793,961
<b>TOTAL PROJECT COSTS</b>			\$	\$ 3,062,420

Notes:

Contingency raised to 40% because of work on structures. Cost assumes that existing structures can be retained. Sidewalks built on existing structure for I-5 and BNSF bridges, new sidewalks assumed to be constructed on Airport Way bridge.