

DRAFT - OPINION OF PROBABLE COST - EXECUTIVE SUMMARY

PROJECT: Eastgate Traffic Study

CIP NO.

DATE: 04/25/19

Project	Project Location	Cost (1000's)	Assumptions
C101	150th Ave SE - 2 SB lanes	\$ 2,380,000	Existing shoulders assumed to not be full depth pavement
C102	150th Ave SE - 3 SB lanes	\$ 5,040,000	
C201	150th Ave SE - I-90 off ramp	\$ 1,620,000	No bridge structure retrofit required to add additional lane, Existing shoulders assumed to not be full depth pavement
C203	150th Ave SE - SE 37th ST	\$ 920,000	
C302	SE 37th ST - I-90 on ramp - Signal	\$ 455,000	*Frontage improvements will be completed during redevelopment for R/W and sidewalk
C401	150th Ave SE - SE 38th ST	\$ 520,000	
C500	Newport Way - 150th Ave SE		Full takes required on 5 parcels
C701	Factoria Blvd SE - SE 36th ST		Improvements adjacent to T-Mobile, potential major utility work required, cost not reported due to unknown risk.
C801	Factoria Blvd SE - SE 38th ST - Re-stripe	\$ 175,000	*Frontage improvements will be completed during redevelopment for R/W and sidewalk, Traffic Signal duplicate from C801
C802	Factoria Blvd SE - SE 38th ST - Full Build	\$ 950,000	
C901	SE Eastgate Way and SE 37th St	\$ 1,150,000	
C1001	142nd PL SE & SE 36th ST	\$ 810,000	
C1201	139th Ave SE and SE 32nd ST	\$ 930,000	

Assumptions:

1. Estimate calculated in 2019 dollars.
2. Estimate is based on 5% Design
3. Cost estimate include design and construction costs
4. Work in the vicinity of 150th, costs assume shoulders are not full depth pavement, reconstruction taken to existing edge of traveled way
5. Drainage costs assume, detention structures are vaults or pipes

OPINION OF PROBABLE COST - SUMMARY
PROJECT: Eastgate Transportation Study
C101- 150TH AVE SE AND SE EASTGATE WAY
CIP NO.
DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				
II. CONSTRUCTION				
1. Grading/Drainage				
2. Structures				
3. Surfacing/Paving				
4. Roadside Development				
5. Traffic Services & Safety				
	\$450,800			
6. Miscellaneous Items Not Yet Estimated				
20.0% of (Lines 1 through 5) @ 5% Level	\$90,160			
7. Allowance for 5%-Level Accuracy				
30.0% of (Lines 1 through 6)	\$ 162,288.00			
8. Traffic Signal				
All inclusive Includes such items as: conduits, APS, mast, signal heads, etc.	\$ 500,000.00			
9. Mobilization, Survey, Potholing				
15% of (Line 1 through 8)	\$ 180,487.20			
10. Maintenance of Traffic				
15% of (Line 1 through 8)	\$ 180,487.20			
11. Construction Engineering				
15.0% of (Lines 1 through 10)	\$ 234,633.36			
12. Construction Contingency				
10.0% of (Lines 1 through 10)	\$ 156,422.24			
				\$ 1,955,278.00
III. DESIGN ENGINEERING AND CITY COSTS				
1. Design Engineering (Consultant Contract)				
15.0% of (CONSTRUCTION cost not incl contingency)	\$ 234,633.36			
2. Agency Administration				
10.0% of (CONSTRUCTION cost not incl contingency)	\$ 156,422.24			
3. Alignment Survey				
2.0% of (CONSTRUCTION cost not incl contingency)	\$ 31,284.45			
TOTAL ESTIMATED COST				\$ 2,377,700.00

Assumptions:

1. Estimate calculated in 2019 dollars.
2. Estimate is based on 5% Design

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.



1601 Fifth Avenue, Suite 1600
Seattle, WA 98101
206.622.5822

Client: City of Bellevue
Project: Eastgate Transporation Study
Title: C101- 150TH AVE SE AND SE EASTGATE WAY
By: JES
Date: 04/15/19

Preliminary Engineer's Estimate of Probable Cost

C101- 150TH AVE SE AND SE EASTGATE WAY							
ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
25		CLEARING AND GRUBBING	0.12	Acre	\$60,000	\$7,272.73	1.6%
310		ROADWAY EXCAVATION INCL. HAUL	513	CY	\$25.00	\$12,821.33	2.8%
5120		CRUSHED SURFACING TOP COURSE	358	TON	\$60.00	\$21,507.24	4.8%
5767		HMA CL 1/2" PG 58H-22	895	TON	\$200.00	\$178,932.10	39.7%
6700		CEMENT CONC. TRAFFIC CURB AND GUTTER	938	LF	\$75.00	\$70,350.00	15.6%
7055		CEMENT CONC. SIDEWALK	190	SY	\$125.00	\$23,791.67	5.3%
7058		CEMENT CONC. CURB RAMP TYPE	4	EA	\$3,500.00	\$14,000.00	3.1%
SP		FENCING	0	LF	\$40.00	\$0.00	0.0%
DRAINAGE/UTILITIES							
3541		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	30	LF	\$70.00	\$2,100.00	0.5%
3091		CATCH BASIN TYPE 1	2	EA	\$2,500.00	\$5,000.00	1.1%
3105		CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$5,000.00	\$0.00	0.0%
3767		PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
		WATER QUALITY		SF	\$2.50	\$0.00	0.0%
		DETENTION		SF	\$15.00	\$0.00	0.0%
STRUCTURE							
						\$0.00	0.0%
SP		GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	0.0%
SP		CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL	1	LS	\$10,000.00	\$10,000.00	2.2%
		SWPPP PREPARATION AND MAINTENANCE	1	LS	\$5,000.00	\$5,000.00	1.1%
		SPCC PLAN	1	LS	\$5,000.00	\$5,000.00	1.1%
TRAFFIC AND ILLUMINATION							
							0.0%
		PERMANENT SIGNING AND STRIPING	1	LS	\$15,000.00	\$15,000.00	3.3%
		ILLUMINATION	3	EA	\$25,000.00	\$75,000.00	16.6%
LANDSCAPING							
		LANDSCAPE RESTORATION	1	LS	\$5,000.00	\$5,000.00	1.1%
Subtotal						\$450,800.00	

OPINION OF PROBABLE COST - SUMMARY

PROJECT: Eastgate Transportation Study

C102- 150th AVE SE - 3 SB Lanes

CIP NO.

DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				
II. CONSTRUCTION				
1. Grading/Drainage				
2. Structures				
3. Surfacing/Paving				
4. Roadside Development				
5. Traffic Services & Safety				
	\$1,312,800			
6. Miscellaneous Items Not Yet Estimated				
20.0% of (Lines 1 through 5) @ 5% Level	\$262,560			
7. Allowance for 5%-Level Accuracy				
30.0% of (Lines 1 through 6)	\$ 472,608.00			
8. Traffic Signal				
All inclusive Includes such items as: conduits, APS, mast, signal heads, etc.	\$ 500,000.00			
9. Mobilization, Survey, Potholing				
15% of (Line 1 through 8)	\$ 382,195.20			
10. Maintenance of Traffic				
15% of (Line 1 through 8)	\$ 382,195.20			
11. Construction Engineering				
15.0% of (Lines 1 through 10)	\$ 496,853.76			
12. Construction Contingency				
10.0% of (Lines 1 through 10)	\$ 331,235.84			
				\$ 4,140,448.00
III. DESIGN ENGINEERING AND CITY COSTS				
1. Design Engineering (Consultant Contract)				
15.0% of (CONSTRUCTION cost not incl contingency)	\$ 496,853.76			
2. Agency Administration				
10.0% of (CONSTRUCTION cost not incl contingency)	\$ 331,235.84			
3. Alignment Survey				
2.0% of (CONSTRUCTION cost not incl contingency)	\$ 66,247.17			
TOTAL ESTIMATED COST				\$ 5,034,800.00

Assumptions:

1. Estimate calculated in 2019 dollars.

2. Estimate is based on 5% Design 0

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.



1601 Fifth Avenue, Suite 1600
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206.622.5822

Client: City of Bellevue
Project: Eastgate Transportation Study
Title: C102- 150th AVE SE - 3 SB L
By: JES
Date: 04/15/19

Preliminary Engineer's Estimate of Probable Cost

C102- 150th AVE SE - 3 SB Lanes

ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
	0025	CLEARING AND GRUBBING	0.46	Acre	\$60,000	\$27,548.21	2.1%
	0310	ROADWAY EXCAVATION INCL. HAUL	823	CY	\$25.00	\$20,576.11	1.6%
	5120	CRUSHED SURFACING TOP COURSE	1020	TON	\$60.00	\$61,200.00	4.7%
	5767	HMA CL 1/2" PG 58H-22	3500	TON	\$150.00	\$525,000.00	40.0%
	6700	CEMENT CONC. TRAFFIC CURB AND GUTTER	1650	LF	\$50.00	\$82,500.00	6.3%
	7055	CEMENT CONC. SIDEWALK	300	SY	\$125.00	\$37,500.00	2.9%
	SP	FENCING	0	LF	\$40.00	\$0.00	0.0%
DRAINAGE/UTILITIES							
	3541	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	600	LF	\$45.00	\$27,000.00	2.1%
	3091	CATCH BASIN TYPE 1	4	EA	\$2,500.00	\$10,000.00	0.8%
	3105	CATCH BASIN TYPE 2 48 IN. DIAM.	3	EA	\$5,000.00	\$15,000.00	1.1%
	3767	PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
		WATER QUALITY	22075	SF	\$2.50	\$55,187.50	4.2%
		DETENTION	8946.5	CF	\$15.00	\$134,197.50	10.2%
STRUCTURE							
	SP	GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	0.0%
	SP	CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
	4410	BP RAIL	1100	LF	\$120.00	\$132,000.00	10.1%
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL	1	LS	\$20,000.00	\$20,000.00	1.5%
		SWPPP PREPARATION AND MAINTENANCE	1	LS	\$5,000.00	\$5,000.00	0.4%
		SPCC PLAN	1	LS	\$5,000.00	\$5,000.00	0.4%
TRAFFIC AND ILLUMINATION							
		PERMANENT SIGNING AND STRIPING	1	LS	\$5,000.00	\$5,000.00	0.4%
		ILLUMINATION	4	LS	\$25,000.00	\$100,000.00	7.6%
LANDSCAPING							
		LANDSCAPE RESTORATION	1	LS	\$10,000.00	\$10,000.00	0.8%
		URBAN DESIGN	1	LS	\$40,000.00	\$40,000.00	3.0%
Subtotal						\$1,312,800.00	

DATE:

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.



1601 Fifth Avenue, Suite 1600
Seattle, WA 98101
206.622.5822

Client: City of Bellevue
Project: Eastgate Transportation Study
Title: C102/201 150th Ave SE
By: JES
Date: 04/15/19

Preliminary Engineer's Estimate of Probable Cost

C102/201 150th Ave SE							
ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
25		CLEARING AND GRUBBING	0.18	Acre	\$60,000	\$10,502.75	3.9%
310		ROADWAY EXCAVATION INCL. HAUL	367	CY	\$25.00	\$9,175.13	3.4%
5120		CRUSHED SURFACING TOP COURSE	269	TON	\$40.00	\$10,751.13	4.0%
5767		HMA CL 1/2" PG 58H-22	752	TON	\$150.00	\$112,816.44	42.1%
6700		CEMENT CONC. TRAFFIC CURB AND GUTTER	841	LF	\$35.00	\$29,435.00	11.0%
7055		CEMENT CONC. SIDEWALK	0	SY	\$60.00	\$0.00	0.0%
7058		CEMENT CONC. CURB RAMP TYPE	0	EA	\$2,000.00	\$0.00	0.0%
SP		FENCING	0	LF	\$40.00	\$0.00	0.0%
DRAINAGE/UTILITIES							
3541		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
3091		CATCH BASIN TYPE 1		EA	\$1,500.00	\$0.00	0.0%
3105		CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$1,000.00	\$0.00	0.0%
3767		PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
		WATER QUALITY	5802	SF	\$2.50	\$14,505.00	5.4%
		DETENTION	1843	CF	\$15.00	\$27,637.50	10.3%
STRUCTURE							
SP		GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	0.0%
SP		CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL	1	LS	\$8,000.00	\$8,000.00	3.0%
		SWPPP PREPARATION AND MAINTENANCE	1	LS	\$5,000.00	\$5,000.00	1.9%
		SPCC PLAN	1	LS	\$5,000.00	\$5,000.00	1.9%
TRAFFIC AND ILLUMINATION							
		PERMANENT SIGNING AND STRIPING	1	LS	\$5,000.00	\$5,000.00	1.9%
		ILLUMINATION	1	LS	\$25,000.00	\$25,000.00	9.3%
LANDSCAPING							
		LANDSCAPE RESTORATION	1	LS	\$5,000.00	\$5,000.00	1.9%
Subtotal						\$267,900.00	

OPINION OF PROBABLE COST - SUMMARY

PROJECT: Eastgate Transportation Study

C203 - 150th Ave SE - SE 37th ST

CIP NO.

DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				
II. CONSTRUCTION				
1. Grading/Drainage				
2. Structures				
3. Surfacing/Paving				
4. Roadside Development				
5. Traffic Services & Safety				
	\$298,600			
6. Miscellaneous Items Not Yet Estimated				
20.0% of (Lines 1 through 5) @ 5% Level	\$59,720			
7. Allowance for 5%-Level Accuracy				
30.0% of (Lines 1 through 6)	\$ 107,496.00			
8. Traffic Signal				
All inclusive. Includes such items as: conduits, APS, mast, signal heads, etc.	\$ -			
9. Mobilization, Survey, Potholing				
15% of (Line 1 through 8)	\$ 69,872.40			
10. Maintenance of Traffic				
15% of (Line 1 through 8)	\$ 69,872.40			
11. Construction Engineering				
15.0% of (Lines 1 through 10)	\$ 90,834.12			
12. Construction Contingency				
10.0% of (Lines 1 through 10)	\$ 60,556.08			
				\$ 756,951.00
III. DESIGN ENGINEERING AND CITY COSTS				
1. Design Engineering (Consultant Contract)				
15.0% of (CONSTRUCTION cost not incl contingency)	\$ 90,834.12			
2. Agency Administration				
10.0% of (CONSTRUCTION cost not incl contingency)	\$ 60,556.08			
3. Alignment Survey				
2.0% of (CONSTRUCTION cost not incl contingency)	\$ 12,111.22			
TOTAL ESTIMATED COST				\$ 920,500.00

Assumptions:

1. Estimate calculated in 2019 dollars.

2. Estimate is based on 5% Design

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.



1601 Fifth Avenue, Suite 1600
Seattle, WA 98101
206.622.5822

Client: City of Bellevue
Project: Eastgate Transportation Study
Title: C203 - 150th Ave SE - SE 37th ST
By: JRE
Date: 04/11/19

Preliminary Engineer's Estimate of Probable Cost

C203 - 150th Ave SE - SE 37th ST

ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
25		CLEARING AND GRUBBING	0.11	Acre	\$60,000	\$6,793.39	2.3%
310		ROADWAY EXCAVATION INCL. HAUL	140	CY	\$25.00	\$3,500.03	1.2%
5120		CRUSHED SURFACING TOP COURSE	237	TON	\$60.00	\$14,211.08	4.8%
5767		HMA CL 1/2" PG 58H-22	341	TON	\$200.00	\$68,143.52	22.8%
6700		CEMENT CONC. TRAFFIC CURB AND GUTTER	385	LF	\$75.00	\$28,875.00	9.7%
7055		CEMENT CONC. SIDEWALK	662	SY	\$100.00	\$66,155.56	22.2%
7058		CEMENT CONC. CURB RAMP TYPE		EA	\$3,500.00	\$0.00	0.0%
SP		FENCING		LF	\$40.00	\$0.00	0.0%
DRAINAGE/UTILITIES							
3541		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.		LF	\$70.00	\$0.00	0.0%
3091		CATCH BASIN TYPE 1	1	EA	\$2,500.00	\$2,500.00	0.8%
3105		CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$5,000.00	\$0.00	0.0%
3767		PVC SANITARY SEWER PIPE 8 IN. DIAM.	75	LF	\$45.00	\$3,375.00	1.1%
		WATER QUALITY		SF	\$2.50	\$0.00	0.0%
		DETENTION		CF	\$15.00	\$0.00	0.0%
STRUCTURE							
SP		GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	0.0%
SP		CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL	1	LS	\$10,000.00	\$10,000.00	3.3%
		SWPPP PREPARATION AND MAINTENANCE	1	LS	\$5,000.00	\$5,000.00	1.7%
		SPCC PLAN	1	LS	\$5,000.00	\$5,000.00	1.7%
TRAFFIC AND ILLUMINATION							
		PERMANENT SIGNING AND STRIPING	1	LS	\$5,000.00	\$5,000.00	1.7%
		TRAFFIC SIGNAL	0	LS	\$80,000.00	\$0.00	0.0%
		ILLUMINATION	1	LS	\$75,000.00	\$75,000.00	25.1%
LANDSCAPING							
		LANDSCAPE RESTORATION	1	LS	\$5,000.00	\$5,000.00	1.7%
Subtotal						\$298,600.00	

OPINION OF PROBABLE COST - SUMMARY

PROJECT: Eastgate Transportation Study

C302

CIP NO.

DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				
II. CONSTRUCTION				
1. Grading/Drainage				
2. Structures				
3. Surfacing/Paving				
4. Roadside Development				
5. Traffic Services & Safety				
	\$0			
6. Miscellaneous Items Not Yet Estimated				
20.0% of (Lines 1 through 5) @ 5% Level	\$0	\$	-	
7. Allowance for 5%-Level Accuracy				
30.0% of (Lines 1 through 6)	\$ -			
8. Traffic Signal				
All inclusive Includes such items as: conduits, APS, mast, signal heads, etc.	\$ 280,000.00	\$	280,000.00	
9. Mobilization, Survey, Potholing				
15% of (Line 1 through 8)	\$ 42,000.00			
10. Maintenance of Traffic				
15% of (Line 1 through 8)	\$ 42,000.00	\$	364,000.0	
11. Construction Engineering				
15.0% of (Lines 1 through 10)	\$ 54,600.00			
12. Construction Contingency				
10.0% of (Lines 1 through 10)	\$ 36,400.00			\$ 455,000.00
III. DESIGN ENGINEERING AND CITY COSTS				
1. Design Engineering (Consultant Contract)				
15.0% of (CONSTRUCTION cost not incl contingency)	\$ 54,600.00			
2. Agency Administration				
10.0% of (CONSTRUCTION cost not incl contingency)	\$ 36,400.00			
3. Alignment Survey				
2.0% of (CONSTRUCTION cost not incl contingency)	\$ 7,280.00			
TOTAL ESTIMATED COST				
		\$	553,300.00	

Assumptions:

1. Estimate calculated in 2019 dollars.
2. Estimate is based on 5% Design

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.

Preliminary Engineer's Estimate of Probable Cost

Option C302							
ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
25		CLEARING AND GRUBBING		Acre	\$60,000	\$0.00	#DIV/0!
310		ROADWAY EXCAVATION INCL. HAUL		CY	\$25.00	\$0.00	#DIV/0!
5120		CRUSHED SURFACING TOP COURSE		TON	\$40.00	\$0.00	#DIV/0!
5767		HMA CL 1/2" PG 58H-22		TON	\$150.00	\$0.00	#DIV/0!
6700		CEMENT CONC. TRAFFIC CURB AND GUTTER		LF	\$35.00	\$0.00	#DIV/0!
7055		CEMENT CONC. SIDEWALK		SY	\$60.00	\$0.00	#DIV/0!
7058		CEMENT CONC. CURB RAMP TYPE		EA	\$2,000.00	\$0.00	#DIV/0!
SP		FENCING		LF	\$40.00	\$0.00	#DIV/0!
DRAINAGE/UTILITIES							
3541		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.		LF	\$45.00	\$0.00	#DIV/0!
3091		CATCH BASIN TYPE 1		EA	\$1,500.00	\$0.00	#DIV/0!
3105		CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$1,000.00	\$0.00	#DIV/0!
3767		PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	#DIV/0!
					\$20,000.00		
STRUCTURE							
SP		GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	#DIV/0!
SP		CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	#DIV/0!
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL		LS	\$5,000.00	\$0.00	#DIV/0!
		SWPPP PREPARATION AND MAINTENANCE		LS	\$5,000.00	\$0.00	#DIV/0!
		SPCC PLAN		LS	\$5,000.00	\$0.00	#DIV/0!
TRAFFIC AND ILLUMINATION							
		PERMANENT SIGNING AND STRIPING		LS	\$5,000.00	\$0.00	#DIV/0!
		ILLUMINATION		LS	\$75,000.00	\$0.00	#DIV/0!
LANDSCAPING							
		LANDSCAPE RESTORATION		LS	\$5,000.00	\$0.00	#DIV/0!
Subtotal						\$0.00	

OPINION OF PROBABLE COST - SUMMARY

PROJECT: Eastgate Transportation Study

C401 - 150th Ave SE - SE 38th ST

CIP NO.

DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				
II. CONSTRUCTION				
1. Grading/Drainage				
2. Structures				
3. Surfacing/Paving				
4. Roadside Development				
5. Traffic Services & Safety				
	\$117,900			
6. Miscellaneous Items Not Yet Estimated				
20.0% of (Lines 1 through 5) @ 5% Level	\$23,580			
7. Allowance for 5%-Level Accuracy				
30.0% of (Lines 1 through 6)	\$ 42,444.00			
8. Traffic Signal				
All inclusive. Includes such items as: conduits, APS, mast, signal heads, etc.	\$ 80,000.00			
9. Mobilization, Survey, Potholing				
15% of (Line 1 through 8)	\$ 39,588.60			
10. Maintenance of Traffic				
15% of (Line 1 through 8)	\$ 39,588.60			
11. Construction Engineering				
15.0% of (Lines 1 through 10)	\$ 51,465.18			
12. Construction Contingency				
10.0% of (Lines 1 through 10)	\$ 34,310.12			
				\$ 428,876.50
III. DESIGN ENGINEERING AND CITY COSTS				
1. Design Engineering (Consultant Contract)				
15.0% of (CONSTRUCTION cost not incl contingency)	\$ 51,465.18			
2. Agency Administration				
10.0% of (CONSTRUCTION cost not incl contingency)	\$ 34,310.12			
3. Alignment Survey				
2.0% of (CONSTRUCTION cost not incl contingency)	\$ 6,862.02			
TOTAL ESTIMATED COST				
				\$ 521,600.00

Assumptions:

1. Estimate calculated in 2019 dollars.

2. Estimate is based on 5% Design

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.



1601 Fifth Avenue, Suite 1600
Seattle, WA 98101
206.622.5822

Client: City of Bellevue
Project: Eastgate Transportation Study
Title: C401 - 150th Ave SE - SE 38th ST
By: JRE
Date: 04/12/19

Preliminary Engineer's Estimate of Probable Cost

Cost Estimate assume redevelopment, costs were taken up to back of curb.

C401 - 150th Ave SE - SE 38th ST

ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
25		CLEARING AND GRUBBING		Acre	\$60,000	\$0.00	0.0%
310		ROADWAY EXCAVATION INCL. HAUL	41.97	CY	\$25.00	\$1,049.31	0.9%
5120		CRUSHED SURFACING TOP COURSE	104.76	TON	\$60.00	\$6,285.89	5.3%
5767		HMA CL 1/2" PG 58H-22	138	TON	\$200.00	\$27,568.70	23.4%
6700		CEMENT CONC. TRAFFIC CURB AND GUTTER	406	LF	\$75.00	\$30,450.00	25.8%
7055		CEMENT CONC. SIDEWALK	0	SY	\$125.00	\$0.00	0.0%
7058		CEMENT CONC. CURB RAMP TYPE	0	EA	\$3,500.00	\$0.00	0.0%
SP		FENCING		LF	\$40.00	\$0.00	0.0%
DRAINAGE/UTILITIES							
3541		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.		LF	\$70.00	\$0.00	0.0%
3091		CATCH BASIN TYPE 1		EA	\$2,500.00	\$0.00	0.0%
3105		CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$5,000.00	\$0.00	0.0%
3767		PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
STRUCTURE							
SP		GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	0.0%
SP		CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL	1	LS	\$7,500.00	\$7,500.00	6.4%
		SWPPP PREPARATION AND MAINTENANCE	1	LS	\$5,000.00	\$5,000.00	4.2%
		SPCC PLAN	1	LS	\$5,000.00	\$5,000.00	4.2%
TRAFFIC AND ILLUMINATION							
		PERMANENT SIGNING AND STRIPING	1	LS	\$5,000.00	\$5,000.00	4.2%
		ILLUMINATION	1	LS	\$25,000.00	\$25,000.00	21.2%
LANDSCAPING							
		LANDSCAPE RESTORATION	1	LS	\$5,000.00	\$5,000.00	4.2%
Subtotal						\$117,900.00	

OPINION OF PROBABLE COST - SUMMARY

PROJECT: Eastgate Transportation Study

C801

CIP NO.

DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				
II. CONSTRUCTION				
1. Grading/Drainage				
2. Structures				
3. Surfacing/Paving				
4. Roadside Development				
5. Traffic Services & Safety				
	\$5,000			
6. Miscellaneous Items Not Yet Estimated				
20.0% of (Lines 1 through 5) @ 5% Level	\$1,000			
7. Allowance for 5%-Level Accuracy				
30.0% of (Lines 1 through 6)	\$1,800.00			
8. Traffic Signal				
All inclusive Includes such items as: conduits, APS, mast, signal heads, etc.	\$80,000.00			
9. Mobilization, Survey, Potholing				
15% of (Line 1 through 8)	\$13,170.00			
10. Maintenance of Traffic				
15% of (Line 1 through 8)	\$13,170.00			
11. Construction Engineering				
15.0% of (Lines 1 through 10)	\$17,121.00			
12. Construction Contingency				
10.0% of (Lines 1 through 10)	\$11,414.00			
				\$142,675.00
III. DESIGN ENGINEERING AND CITY COSTS				
1. Design Engineering (Consultant Contract)				
15.0% of (CONSTRUCTION cost not incl contingency)	\$17,121.00			
2. Agency Administration				
10.0% of (CONSTRUCTION cost not incl contingency)	\$11,414.00			
3. Alignment Survey				
2.0% of (CONSTRUCTION cost not incl contingency)	\$2,282.80			
TOTAL ESTIMATED COST				\$173,500.00

Assumptions:

1. Estimate calculated in 2019 dollars.
2. Estimate is based on 5% Design

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.



1601 Fifth Avenue, Suite 1600
Seattle, WA 98101
206.622.5822

Client: City of Bellevue
Project: Eastgate Transportation Study
Title: C801
By: JRE
Date: 04/12/19

Preliminary Engineer's Estimate of Probable Cost

Option C801							
ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
		ROADWAY					
	25	CLEARING AND GRUBBING		Acre	\$60,000	\$0.00	0.0%
	310	ROADWAY EXCAVATION INCL. HAUL		CY	\$25.00	\$0.00	0.0%
	5120	CRUSHED SURFACING TOP COURSE		TON	\$60.00	\$0.00	0.0%
	5767	HMA CL 1/2" PG 58H-22		TON	\$200.00	\$0.00	0.0%
	6700	CEMENT CONC. TRAFFIC CURB AND GUTTER		LF	\$75.00	\$0.00	0.0%
	7055	CEMENT CONC. SIDEWALK		SY	\$125.00	\$0.00	0.0%
	7058	CEMENT CONC. CURB RAMP TYPE		EA	\$3,500.00	\$0.00	0.0%
	SP	FENCING		LF	\$40.00	\$0.00	0.0%
		DRAINAGE/UTILITIES					
	3541	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.		LF	\$70.00	\$0.00	0.0%
	3091	CATCH BASIN TYPE 1		EA	\$2,500.00	\$0.00	0.0%
	3105	CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$5,000.00	\$0.00	0.0%
	3767	PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
					\$20,000.00		
		STRUCTURE				\$0.00	0.0%
	SP	GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	0.0%
	SP	CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
		ENVIRONMENT					
		EROSION/WATER POLLUTION CONTROL		LS	\$7,500.00	\$0.00	0.0%
		SWPPP PREPARATION AND MAINTENANCE		LS	\$5,000.00	\$0.00	0.0%
		SPCC PLAN		LS	\$5,000.00	\$0.00	0.0%
		TRAFFIC AND ILLUMINATION					0.0%
		PERMANENT SIGNING AND STRIPING	1	LS	\$5,000.00	\$5,000.00	100.0%
		ILLUMINATION		LS	\$25,000.00	\$0.00	0.0%
		LANDSCAPING					
		LANDSCAPE RESTORATION		LS	\$5,000.00	\$0.00	0.0%
Subtotal						\$5,000.00	

OPINION OF PROBABLE COST - SUMMARY

PROJECT: Eastgate Transportation Study

C802 - Facteria Blvd SE - SE 38th ST

CIP NO.

DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				
II. CONSTRUCTION				
1. Grading/Drainage				
2. Structures				
3. Surfacing/Paving				
4. Roadside Development				
5. Traffic Services & Safety				
	\$206,300			
6. Miscellaneous Items Not Yet Estimated				
20.0% of (Lines 1 through 5) @ 5% Level	\$41,260			
		\$	247,560	
7. Allowance for 5%-Level Accuracy				
30.0% of (Lines 1 through 6)	\$ 74,268.00			
8. Traffic Signal				
All inclusive Includes such items as: conduits, APS, mast, signal heads, etc.	\$ 160,000.00			
		\$	481,828.00	
9. Mobilization, Survey, Potholing				
15% of (Line 1 through 8)	\$ 72,274.20			
10. Maintenance of Traffic				
15% of (Line 1 through 8)	\$ 72,274.20			
		\$	626,376.4	
11. Construction Engineering				
15.0% of (Lines 1 through 10)	\$ 93,956.46			
12. Construction Contingency				
10.0% of (Lines 1 through 10)	\$ 62,637.64			
				\$ 782,970.50
III. DESIGN ENGINEERING AND CITY COSTS				
1. Design Engineering (Consultant Contract)				
15.0% of (CONSTRUCTION cost not incl contingency)	\$ 93,956.46			
2. Agency Administration				
10.0% of (CONSTRUCTION cost not incl contingency)	\$ 62,637.64			
3. Alignment Survey				
2.0% of (CONSTRUCTION cost not incl contingency)	\$ 12,527.53			
TOTAL ESTIMATED COST				
			\$	952,100.00

Assumptions:

1. Estimate calculated in 2019 dollars.
2. Estimate is based on 5% Design

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.



1601 Fifth Avenue, Suite 1600
Seattle, WA 98101
206.622.5822

Client: City of Bellevue
Project: Eastgate Transportation Study
Title: C802 - Factoria Blvd SE - SE 38th ST
By: JRE
Date: 04/12/19

Preliminary Engineer's Estimate of Probable Cost

Cost Estimate assume redevelopment, costs were taken up to back of curb.

C802 - Factoria Blvd SE - SE 38th ST							
ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
25		CLEARING AND GRUBBING	0.02	Acre	\$60,000	\$1,258.95	0.6%
310		ROADWAY EXCAVATION INCL. HAUL	58	CY	\$40.00	\$2,333.23	1.1%
5120		CRUSHED SURFACING TOP COURSE	82	TON	\$60.00	\$4,900.28	2.4%
5767		HMA CL 1/2" PG 58H-22	229	TON	\$200.00	\$45,707.41	22.2%
6700		CEMENT CONC. TRAFFIC CURB AND GUTTER	964	LF	\$75.00	\$72,300.00	35.0%
7055		CEMENT CONC. SIDEWALK		SY	\$125.00	\$0.00	0.0%
7058		CEMENT CONC. CURB RAMP TYPE		EA	\$3,500.00	\$0.00	0.0%
SP		FENCING		LF	\$40.00	\$0.00	0.0%
DRAINAGE/UTILITIES							
3541		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	90	LF	\$70.00	\$6,300.00	3.1%
3091		CATCH BASIN TYPE 1	9	EA	\$2,500.00	\$22,500.00	10.9%
3105		CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$5,000.00	\$0.00	0.0%
3767		PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
					\$20,000.00		
STRUCTURE							
SP		GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	0.0%
SP		CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL	1	LS	\$6,000.00	\$6,000.00	2.9%
		SWPPP PREPARATION AND MAINTENANCE	1	LS	\$5,000.00	\$5,000.00	2.4%
		SPCC PLAN	1	LS	\$5,000.00	\$5,000.00	2.4%
TRAFFIC AND ILLUMINATION							
		PERMANENT SIGNING AND STRIPING	1	LS	\$5,000.00	\$5,000.00	2.4%
		ILLUMINATION	1	LS	\$25,000.00	\$25,000.00	12.1%
LANDSCAPING							
		LANDSCAPE RESTORATION	1	LS	\$5,000.00	\$5,000.00	2.4%
Subtotal						\$206,300.00	

OPINION OF PROBABLE COST - SUMMARY
PROJECT: Eastgate Transportation Study
C901- SE Eastgate Way and SE 37th St
CIP NO.
DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				
II. CONSTRUCTION				
1. Grading/Drainage				
2. Structures				
3. Surfacing/Paving				
4. Roadside Development				
5. Traffic Services & Safety				
	\$149,200			
6. Miscellaneous Items Not Yet Estimated				
20.0% of (Lines 1 through 5) @ 5% Level	\$29,840			
7. Allowance for 5%-Level Accuracy				
30.0% of (Lines 1 through 6)	\$ 53,712.00			
8. Traffic Signal				
All inclusive Includes such items as: conduits, APS, mast, signal heads, etc.	\$ 350,000.00			
9. Mobilization, Survey, Potholing				
15% of (Line 1 through 8)	\$ 87,412.80			
10. Maintenance of Traffic				
15% of (Line 1 through 8)	\$ 87,412.80			
11. Construction Engineering				
15.0% of (Lines 1 through 10)	\$ 113,636.64			
12. Construction Contingency				
10.0% of (Lines 1 through 10)	\$ 75,757.76			
				\$ 946,972.00
III. DESIGN ENGINEERING AND CITY COSTS				
1. Design Engineering (Consultant Contract)				
15.0% of (CONSTRUCTION cost not incl contingency)	\$ 113,636.64			
2. Agency Administration				
10.0% of (CONSTRUCTION cost not incl contingency)	\$ 75,757.76			
3. Alignment Survey				
2.0% of (CONSTRUCTION cost not incl contingency)	\$ 15,151.55			
TOTAL ESTIMATED COST				\$ 1,151,600.00

Assumptions:

1. Estimate calculated in 2019 dollars.
2. Estimate is based on 5% Design

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.



1601 Fifth Avenue, Suite 1600
Seattle, WA 98101
206.622.5822

Client: City of Bellevue
Project: Eastgate Transportation Study
Title: C901- SE Eastgate Way and SE 37th St
By: JES
Date: 04/15/19

Preliminary Engineer's Estimate of Probable Cost

C901- SE Eastgate Way and SE 37th St							
ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
25		CLEARING AND GRUBBING	0.07	Acre	\$60,000	\$3,988.98	2.7%
310		ROADWAY EXCAVATION INCL. HAUL	95	CY	\$25.00	\$2,371.61	1.6%
5120		CRUSHED SURFACING TOP COURSE	193	TON	\$60.00	\$11,565.58	7.8%
5767		HMA CL 1/2" PG 58H-22	497	TON	\$200.00	\$99,475.62	66.7%
6700		CEMENT CONC. TRAFFIC CURB AND GUTTER	0	LF	\$75.00	\$0.00	0.0%
7055		CEMENT CONC. SIDEWALK	74	SY	\$125.00	\$9,222.22	6.2%
7058		CEMENT CONC. CURB RAMP TYPE	0	EA	\$3,500.00	\$0.00	0.0%
SP		FENCING	0	LF	\$40.00	\$0.00	0.0%
DRAINAGE/UTILITIES							
3541		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.		LF	\$70.00	\$0.00	0.0%
3091		CATCH BASIN TYPE 1		EA	\$2,500.00	\$0.00	0.0%
3105		CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$5,000.00	\$0.00	0.0%
3767		PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
					\$20,000.00		
STRUCTURE							
SP		GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	0.0%
SP		CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL	1	LS	\$7,500.00	\$7,500.00	5.0%
		SWPPP PREPARATION AND MAINTENANCE	1	LS	\$5,000.00	\$5,000.00	3.4%
		SPCC PLAN	1	LS	\$5,000.00	\$5,000.00	3.4%
TRAFFIC AND ILLUMINATION							
		PERMANENT SIGNING AND STRIPING	1	LS	\$5,000.00	\$5,000.00	3.4%
		ILLUMINATION	0	EA	\$25,000.00	\$0.00	0.0%
LANDSCAPING							
		LANDSCAPE RESTORATION		LS	\$5,000.00	\$0.00	0.0%
Subtotal						\$149,200.00	

OPINION OF PROBABLE COST - SUMMARY

PROJECT: Eastgate Transportation Study

C1001- 142nd PL SE & SE 36th ST

CIP NO.

DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				\$	9,375.00
II. CONSTRUCTION					
1. Grading/Drainage					
2. Structures					
3. Surfacing/Paving					
4. Roadside Development					
5. Traffic Services & Safety					
	\$207,800				
6. Miscellaneous Items Not Yet Estimated					
20.0% of (Lines 1 through 5) @ 5% Level	\$41,560			\$	249,360
7. Allowance for 5%-Level Accuracy					
30.0% of (Lines 1 through 6)	\$ 74,808.00				
8. Traffic Signal					
All inclusive Includes such items as: conduits, APS, mast, signal heads, etc.	\$ 80,000.00			\$	404,168.00
9. Mobilization, Survey, Potholing					
15% of (Line 1 through 8)	\$ 60,625.20				
10. Maintenance of Traffic					
15% of (Line 1 through 8)	\$ 60,625.20			\$	525,418.4
11. Construction Engineering					
15.0% of (Lines 1 through 10)	\$ 78,812.76				
12. Construction Contingency					
10.0% of (Lines 1 through 10)	\$ 52,541.84				
					\$ 656,773.00
III. DESIGN ENGINEERING AND CITY COSTS					
1. Design Engineering (Consultant Contract)					
15.0% of (CONSTRUCTION cost not incl contingency)	\$ 78,812.76				
2. Agency Administration					
10.0% of (CONSTRUCTION cost not incl contingency)	\$ 52,541.84				
3. Alignment Survey					
2.0% of (CONSTRUCTION cost not incl contingency)	\$ 10,508.37				
TOTAL ESTIMATED COST					
				\$	808,100.00

Assumptions:

1. Estimate calculated in 2019 dollars.

2. Estimate is based on 5% Design

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.

Preliminary Engineer's Estimate of Probable Cost

C1001- 142nd PL SE & SE 36th ST							
ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
25		CLEARING AND GRUBBING	0.04	Acre	\$60,000	\$2,535.81	1.2%
310		ROADWAY EXCAVATION INCL. HAUL	114	CY	\$25.00	\$2,851.68	1.4%
421		GRAVEL BORROW INCL. HAUL	175	CY	\$75.00	\$13,125.00	6.3%
5120		CRUSHED SURFACING TOP COURSE	73	TON	\$60.00	\$4,356.26	2.1%
5767		HMA CL 1/2" PG 58H-22	115	TON	\$200.00	\$23,056.17	11.1%
6700		CEMENT CONC. TRAFFIC CURB AND GUTTER	174	LF	\$75.00	\$13,050.00	6.3%
7055		CEMENT CONC. SIDEWALK	154	SY	\$125.00	\$19,291.67	9.3%
7058		CEMENT CONC. CURB RAMP TYPE	1	EA	\$3,500.00	\$3,500.00	1.7%
SP		FENCING	0	LF	\$40.00	\$0.00	0.0%
DRAINAGE/UTILITIES							
3541		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	24	LF	\$70.00	\$1,680.00	0.8%
3091		CATCH BASIN TYPE 1	1	EA	\$2,500.00	\$2,500.00	1.2%
3105		CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$5,000.00	\$0.00	0.0%
3767		PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
					\$20,000.00		
STRUCTURE							
SP		GRAVITY BLOCK WALL	786	SF	\$120.00	\$94,320.00	45.4%
SP		CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL	1	LS	\$7,500.00	\$7,500.00	3.6%
		SWPPP PREPARATION AND MAINTENANCE	1	LS	\$5,000.00	\$5,000.00	2.4%
		SPCC PLAN	1	LS	\$5,000.00	\$5,000.00	2.4%
TRAFFIC AND ILLUMINATION							
		PERMANENT SIGNING AND STRIPING	1	LS	\$5,000.00	\$5,000.00	2.4%
		ILLUMINATION		EA	\$25,000.00	\$0.00	0.0%
LANDSCAPING							
		LANDSCAPE RESTORATION	1	LS	\$5,000.00	\$5,000.00	2.4%
Subtotal						\$207,800.00	

OPINION OF PROBABLE COST - SUMMARY
PROJECT: Eastgate Transportation Study
C1201 - 139th Ave SE and SE 32nd ST
CIP NO.
DATE:

I. RIGHT OF WAY ACQUISITION & EASEMENT AND REIMBURSEMENT COSTS				
II. CONSTRUCTION				
1. Grading/Drainage				
2. Structures				
3. Surfacing/Paving				
4. Roadside Development				
5. Traffic Services & Safety				
	\$77,600			
6. Miscellaneous Items Not Yet Estimated				
20.0% of (Lines 1 through 5) @ 5% Level	\$15,520			
7. Allowance for 5%-Level Accuracy				
30.0% of (Lines 1 through 6)	\$ 27,936.00			
8. Traffic Signal				
All inclusive Includes such items as: conduits, APS, mast, signal heads, etc.	\$ 350,000.00			
9. Mobilization, Survey, Potholing				
15% of (Line 1 through 8)	\$ 70,658.40			
10. Maintenance of Traffic				
15% of (Line 1 through 8)	\$ 70,658.40			
11. Construction Engineering				
15.0% of (Lines 1 through 10)	\$ 91,855.92			
12. Construction Contingency				
10.0% of (Lines 1 through 10)	\$ 61,237.28			
				\$ 765,466.00
III. DESIGN ENGINEERING AND CITY COSTS				
1. Design Engineering (Consultant Contract)				
15.0% of (CONSTRUCTION cost not incl contingency)	\$ 91,855.92			
2. Agency Administration				
10.0% of (CONSTRUCTION cost not incl contingency)	\$ 61,237.28			
3. Alignment Survey				
2.0% of (CONSTRUCTION cost not incl contingency)	\$ 12,247.46			
TOTAL ESTIMATED COST				\$ 930,900.00

Assumptions:

1. Estimate calculated in 2019 dollars.
2. Estimate is based on 5% Design

*Items not estimated at 5% level assumed cost for these included in items 6 and 7.



1601 Fifth Avenue, Suite 1600
Seattle, WA 98101
206.622.5822

Client: City of Bellevue
Project: Eastgate Transportation Study
Title: C1201 - 139th Ave SE and SE
By: JRE
Date: 04/12/19

Preliminary Engineer's Estimate of Probable Cost

C1201 - 139th Ave SE and SE 32nd ST

ITEM NO.	STD ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL COST	% OF CONST
ROADWAY							
25		CLEARING AND GRUBBING	0.00	Acre	\$60,000	\$283.75	0.4%
310		ROADWAY EXCAVATION INCL. HAUL		CY	\$25.00	\$0.00	0.0%
5120		CRUSHED SURFACING TOP COURSE	30	TON	\$60.00	\$1,800.30	2.3%
5767		HMA CL 1/2" PG 58H-22	8	TON	\$200.00	\$1,624.81	2.1%
6700		CEMENT CONC. TRAFFIC CURB AND GUTTER	206	LF	\$75.00	\$15,450.00	19.9%
7055		CEMENT CONC. SIDEWALK	147	SY	\$125.00	\$18,430.56	23.8%
7058		CEMENT CONC. CURB RAMP TYPE	4	EA	\$3,500.00	\$14,000.00	18.0%
SP		FENCING		LF	\$40.00	\$0.00	0.0%
DRAINAGE/UTILITIES							
3541		SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.		LF	\$70.00	\$0.00	0.0%
3091		CATCH BASIN TYPE 1		EA	\$2,500.00	\$0.00	0.0%
3105		CATCH BASIN TYPE 2 48 IN. DIAM.		EA	\$5,000.00	\$0.00	0.0%
3767		PVC SANITARY SEWER PIPE 8 IN. DIAM.		LF	\$45.00	\$0.00	0.0%
					\$20,000.00		
STRUCTURE							
SP		GRAVITY BLOCK WALL		SF	\$120.00	\$0.00	0.0%
SP		CONCRETE STAIRWAY		LS	\$3,000.00	\$0.00	0.0%
ENVIRONMENT							
		EROSION/WATER POLLUTION CONTROL	1	LS	\$6,000.00	\$6,000.00	7.7%
		SWPPP PREPARATION AND MAINTENANCE	1	LS	\$5,000.00	\$5,000.00	6.4%
		SPCC PLAN	1	LS	\$5,000.00	\$5,000.00	6.4%
TRAFFIC AND ILLUMINATION							
		PERMANENT SIGNING AND STRIPING	1	LS	\$5,000.00	\$5,000.00	6.4%
		ILLUMINATION		LS	\$75,000.00	\$0.00	0.0%
LANDSCAPING							
		LANDSCAPE RESTORATION	1	LS	\$5,000.00	\$5,000.00	6.4%
Subtotal						\$77,600.00	