

## Rapid Bus Cost Estimate Summary

Corridor	Corridor Improvement			Corridor Improvement	Rapid Bus Station	Right of Way	Vehicles
	TSP	Side Running	Median Busway				
Central-East	\$294,000	\$288,000	\$0	\$582,000	\$2,049,600	\$33,600	\$0
Central-West	\$128,400	\$202,608	\$0	\$331,008	\$1,389,600	\$0	\$0
Central-Square	\$45,600	\$223,200	\$0	\$268,800	\$274,800	\$0	\$0
East	\$276,600	\$618,984	\$0	\$895,584	\$4,864,800	\$61,600	\$7,350,000
West	\$128,400	\$372,744	\$0	\$501,144	\$3,601,200	\$88,200	\$0
West-FG-Univ	\$100,800	\$0	\$8,563,200	\$8,664,000	\$1,288,800	\$999,040	\$0
West-CG-Univ	\$100,800	\$0	\$0	\$100,800	\$2,214,000	\$0	\$0
West-FG-MP	\$270,600	\$0	\$10,422,720	\$10,693,320	\$759,600	\$896,000	\$13,860,000
West-CG-MP	\$270,600	\$1,137,024	\$0	\$1,407,624	\$1,017,600	\$896,000	\$11,550,000
West-Odana	\$298,200	\$222,624	\$0	\$520,824	\$3,301,200	\$0	\$11,550,000
North	\$193,800	\$63,000	\$2,100,000	\$2,356,800	\$3,110,400	\$936,600	\$7,350,000
South	\$45,600	\$0	\$0	\$45,600	\$1,407,600	\$82,600	\$0
South-FG-ParkN	\$149,400	\$0	\$1,674,000	\$1,823,400	\$529,200	\$0	\$11,340,000
South-CG-ParkN	\$149,400	\$0	\$0	\$149,400	\$906,000	\$0	\$9,450,000
South-FG-ParkS	\$100,800	\$0	\$10,693,080	\$10,793,880	\$776,400	\$896,000	\$0
South-CG-ParkS	\$100,800	\$712,872	\$0	\$813,672	\$1,718,400	\$896,000	\$0
South-FG-Fish	\$156,000	\$0	\$4,145,460	\$4,301,460	\$271,200	\$0	\$0
South-CG-Fish	\$156,000	\$452,232	\$0	\$608,232	\$648,000	\$0	\$0

Corridor	Total # of Stations	Total # of TSP Intersections	Total # of Buses	Total Length	Total Cost / Mile (2012\$)	Total Cost / Mile (2016\$)
Central-East	4	9	0	1.13	\$3,489,252	\$3,927,405
Central-West	3	3	0	0.68	\$3,727,662	\$4,196,735
Central-Square	2	0	0	0.59	\$1,369,394	\$1,541,419
East	10	7	7	5.13	\$3,203,729	\$3,605,877
West	6	3	0	2.63	\$2,353,735	\$2,649,333
West-FG-Univ	3	2	0	1.35	\$11,860,762	\$13,349,462
West-CG-Univ	3	2	0	1.35	\$2,531,233	\$2,849,395
West-FG-MP	5	6	11	2.99	\$11,942,188	\$13,441,064
West-CG-MP	5	6	11	2.99	\$6,658,845	\$7,494,711
West-Odana	6	7	11	3.28	\$6,332,042	\$7,126,782
North	6	4	7	3.08	\$6,497,686	\$7,313,270
South	3	0	0	1.45	\$1,561,651	\$1,758,155
South-FG-ParkN	2	2	9	0.29	\$53,011,200	\$59,667,406
South-CG-ParkN	2	2	9	0.29	\$39,620,439	\$44,593,858
South-FG-ParkS	6	2	0	1.88	\$11,263,396	\$12,677,119
South-CG-ParkS	6	2	0	1.88	\$4,140,915	\$4,660,863
South-FG-Fish	2	4	0	1.19	\$5,680,981	\$6,394,676
South-CG-Fish	2	4	0	1.19	\$1,561,051	\$1,757,758

## Rapid Bus Cost Estimate Summary

Central segment costs **NOT** included in North, South, West and East estimates below

Corridor	TSP	Side Running	Median Busway	Corridor Improvement	Rapid Bus Station	Right of Way	Vehicles
North	\$193,800	\$63,000	\$2,100,000	\$2,356,800	\$3,110,400	\$936,600	\$7,350,000
South - FG	\$451,800	\$0	\$16,512,540	\$16,964,340	\$2,984,400	\$978,600	\$11,340,000
South - CG	\$451,800	\$1,165,104	\$0	\$1,616,904	\$4,680,000	\$978,600	\$9,450,000
Central	\$468,000	\$713,808	\$0	\$1,181,808	\$3,714,000	\$33,600	\$0
East	\$276,600	\$618,984	\$0	\$895,584	\$4,864,800	\$61,600	\$7,350,000
West-FG	\$499,800	\$372,744	\$18,985,920	\$19,858,464	\$5,649,600	\$1,983,240	\$13,860,000
West-CG	\$499,800	\$1,509,768	\$0	\$2,009,568	\$6,832,800	\$984,200	\$11,550,000
West-Odana-CG	\$527,400	\$595,368	\$0	\$1,122,768	\$9,116,400	\$88,200	\$11,550,000

Central segment costs **NOT** included in North, South, West and East estimates below

Corridor	Total # of Stations	Total # of TSP Intersections	Total # of Buses	Total Length	Total Cost / Mile (2012\$)	Total Cost / Mile (2016\$)
Central	9	12	0	2.40	\$3,037,408	\$3,418,753
East	10	7	7	5.13	\$3,203,729	\$3,605,877
West-FG	14	11	11	6.97	\$8,313,607	\$9,357,149
West-CG	14	11	11	6.97	\$4,236,027	\$4,767,773
West-Odana-CG	15	12	11	7.26	\$4,186,043	\$4,711,467
North	6	4	7	3.08	\$6,497,686	\$7,313,270
South - FG	13	8	9	4.80	\$9,513,077	\$10,707,181
South - CG	13	8	9	4.80	\$4,893,831	\$5,508,162

Does not include the Central portion of the corridor

Central segment costs included in North, South, West and East estimates below

Corridor	TSP	Side Running	Median Busway	Corridor Improvement	Rapid Bus Station	Right of Way	Vehicles
North	\$533,400	\$574,200	\$2,100,000	\$3,207,600	\$5,434,800	\$970,200	\$7,350,000
South - FG	\$625,800	\$425,808	\$16,512,540	\$17,564,148	\$4,648,800	\$978,600	\$11,340,000
South - CG	\$625,800	\$1,590,912	\$0	\$2,216,712	\$6,344,400	\$978,600	\$9,450,000
East	\$616,200	\$1,130,184	\$0	\$1,746,384	\$7,189,200	\$95,200	\$7,350,000
West-FG	\$673,800	\$798,552	\$18,985,920	\$20,458,272	\$7,314,000	\$1,983,240	\$13,860,000
West-CG	\$673,800	\$1,935,576	\$0	\$2,609,376	\$8,497,200	\$984,200	\$11,550,000
West-Odana-CG	\$701,400	\$1,021,176	\$0	\$1,722,576	\$10,780,800	\$88,200	\$11,550,000

Central segment costs included in North, South, West and East estimates below

Corridor	Total # of Stations	Total # of TSP Intersections	Total # of Buses	Total Length	Total Cost / Mile (2012\$)	Total Cost / Mile (2016\$)
East	16	16	7	6.84	\$3,093,373	\$3,481,707
West-FG	19	14	11	8.24	\$7,438,935	\$8,372,656
West-CG	19	14	11	8.24	\$3,989,714	\$4,490,507
West-Odana-CG	20	15	11	8.53	\$3,955,633	\$4,452,110
North	12	13	7	4.79	\$5,161,233	\$5,809,127
South - FG	18	11	9	6.07	\$8,076,021	\$9,089,702
South - CG	18	11	9	6.07	\$4,422,422	\$4,977,509

- 1 Queue jump lanes are not included as part of this estimate.
- 2 Local bus amenities are not included as part of this estimate.
- 3 Right-of-way costs are included for new/updated transfer point locations, and station locations. No additional ROW is required for the fixed guideway alternatives, unless minimum boulevards are required to be maintained.
- 4 Sidewalk improvements include the full reconstruction of the existing sidewalk and roadway curb/gutter within the limits of the 60' platform.
- 5 Power line relocation costs are not included as part of this estimate. It is assumed that station construction would not impact the existing lines.
- 6 In-slab radiant heat in the platform sidewalk areas is not included as part of this estimate.
- 7 Each station location requires the construction of a concrete pad in the street to accommodate bus movements.
- 8 Existing non-signalized intersections will remain as non-signalized as part of this project. No costs associated with new traffic signal poles are included as part of the cost estimate.
- 9 Existing traffic signal poles have not been assumed to be relocated unless they are a single pole (no mast arm) that is located at a bumpout platform.
- 10 Additional site improvements are based on aerial and site photography and generally relate to potential costs associated with impacts to vertical elements that are located adjacent to proposed platform locations. There are potential costs associated with impacts to unknown elements of the site.
- 11 Station shelter costs are based on the shelter configuration drawings provided by SRF.

East Corridor  
 Length (mi) 5.13  
 No. of Stations 10

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$746,320</b>	<b>\$149,264</b>	<b>\$895,584</b>
1	Transit Signal Priority (per intersection)	7	EA	\$12,000.00	\$84,000	\$16,800	\$100,800
2	Signal Controller (per intersection)	7	EA	\$11,000.00	\$77,000	\$15,400	\$92,400
3	TSP - Bus Hardware (per bus)	7	EA	\$4,500.00	\$31,500	\$6,300	\$37,800
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	8597	RF	\$60.00	\$515,820	\$103,164	\$618,984
6	Median Running Dedicated Lanes		RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements		EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$4,054,000</b>	<b>\$810,800</b>	<b>\$4,864,800</b>
7	Small Shelter	12	EA	\$60,000.00	\$720,000	\$144,000	\$864,000
8	Medium Shelter	2	EA	\$115,000.00	\$230,000	\$46,000	\$276,000
9	Large Shelter	5	EA	\$170,000.00	\$850,000	\$170,000	\$1,020,000
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	19	EA	\$40,000.00	\$760,000	\$152,000	\$912,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	10	EA	\$20,000.00	\$200,000	\$40,000	\$240,000
15	Street Signage (2 per station)	38	EA	\$1,000.00	\$38,000	\$7,600	\$45,600
16	Utilities and Drainage Improvements (Minor)	8	EA	\$4,000.00	\$32,000	\$6,400	\$38,400
17	Utilities and Drainage Improvements (Major)	4	EA	\$20,000.00	\$80,000	\$16,000	\$96,000
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	19	EA	\$5,000.00	\$95,000	\$19,000	\$114,000
21	Surface Parking	10	SPACE	\$3,000.00	\$30,000	\$6,000	\$36,000
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	7	EA	\$75,000.00	\$525,000	\$105,000	\$630,000
24	Fare Enforcement Equipment (per enforcement officer)	1	EA	\$4,000.00	\$4,000	\$800	\$4,800
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	7	EA	\$25,000.00	\$175,000	\$35,000	\$210,000
27	Security Cameras	5	EA	\$20,000.00	\$100,000	\$20,000	\$120,000
28	Wireless Connection	5	EA	\$5,000.00	\$25,000	\$5,000	\$30,000
29	Electrical Service	19	EA	\$10,000.00	\$190,000	\$38,000	\$228,000
30	Transfer Point	0	EA	\$1,600,000.00	\$0	\$0	\$0
<b>Total Construction Costs</b>					<b>\$4,800,320</b>	<b>\$960,064</b>	<b>\$5,760,384</b>
<b>Right of Way</b>					<b>\$30,800</b>	<b>\$30,800</b>	<b>\$61,600</b>
30	Commercial	4400.00	SF	\$7.00	\$30,800	\$30,800	\$61,600
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$7,000,000</b>	<b>\$350,000</b>	<b>\$7,350,000</b>
32	Low Floor 60-foot Buses	7	EA	\$1,000,000.00	\$7,000,000	\$350,000	\$7,350,000
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$2,070,949</b>
34	Preliminary Engineering						\$192,013
35	Final Design						\$358,635
36	Project Management for Design and Construction						\$236,622
37	Construction Administration and Management						\$384,334
38	Insurance						\$192,013
39	Legal; Permits; Review Fees by Other Agencies						\$49,543
40	Surveys, Testing, Investigation, Inspection						\$239,086
41	Agency Force Account Work						\$361,099
42	Public Art						\$57,604
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$1,183,940.02</b>
<b>East Corridor Total Cost</b>							<b>\$16,426,873</b>

West Corridor  
 Length (mi) 2.63  
 No. of Stations 6

Mix Traffic Length  
 8684

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$417,620</b>	<b>\$83,524</b>	<b>\$501,144</b>
1	Transit Signal Priority (per intersection)	3	EA	\$12,000.00	\$36,000	\$7,200	\$43,200
2	Signal Controller (per intersection)	3	EA	\$11,000.00	\$33,000	\$6,600	\$39,600
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	5177	RF	\$60.00	\$310,620	\$62,124	\$372,744
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$3,001,000</b>	<b>\$600,200</b>	<b>\$3,601,200</b>
7	Small Shelter	4	EA	\$60,000.00	\$240,000	\$48,000	\$288,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	7	EA	\$170,000.00	\$1,190,000	\$238,000	\$1,428,000
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	11	EA	\$40,000.00	\$440,000	\$88,000	\$528,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	5	EA	\$20,000.00	\$100,000	\$20,000	\$120,000
15	Street Signage (2 per station)	22	EA	\$1,000.00	\$22,000	\$4,400	\$26,400
16	Utilities and Drainage Improvements (Minor)	5	EA	\$4,000.00	\$20,000	\$4,000	\$24,000
17	Utilities and Drainage Improvements (Major)	1	EA	\$20,000.00	\$20,000	\$4,000	\$24,000
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	11	EA	\$5,000.00	\$55,000	\$11,000	\$66,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	6	EA	\$75,000.00	\$450,000	\$90,000	\$540,000
24	Fare Enforcement Equipment (per enforcement officer)	1	EA	\$4,000.00	\$4,000	\$800	\$4,800
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	7	EA	\$25,000.00	\$175,000	\$35,000	\$210,000
27	Security Cameras	7	EA	\$20,000.00	\$140,000	\$28,000	\$168,000
28	Wireless Connection	7	EA	\$5,000.00	\$35,000	\$7,000	\$42,000
29	Electrical Service	11	EA	\$10,000.00	\$110,000	\$22,000	\$132,000
<b>Total Construction Costs</b>					<b>\$3,418,620</b>	<b>\$683,724</b>	<b>\$4,102,344</b>
<b>Right of Way</b>					<b>\$44,100</b>	<b>\$44,100</b>	<b>\$88,200</b>
30	Commercial	6300.00	SF	\$7.00	\$44,100	\$44,100	\$88,200
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$1,182,398</b>
34	Preliminary Engineering						\$136,745
35	Final Design						\$205,999
36	Project Management for Design and Construction						\$69,254
37	Construction Administration and Management						\$273,931
38	Insurance						\$136,745
39	Legal; Permits; Review Fees by Other Agencies						\$36,391
40	Surveys, Testing, Investigation, Inspection						\$72,782
41	Agency Force Account Work						\$209,527
42	Public Art						\$41,023
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$805,941.31</b>
<b>West Corridor Total Cost</b>							<b>\$6,178,883</b>

Added 1 per Mike C's comments.

West-FG-Univ Corridor  
 Length (mi) 1.35  
 No. of Stations 3

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$7,220,000</b>	<b>\$1,444,000</b>	<b>\$8,664,000</b>
1	Transit Signal Priority (per intersection)	2	EA	\$12,000.00	\$24,000	\$4,800	\$28,800
2	Signal Controller (per intersection)	2	EA	\$11,000.00	\$22,000	\$4,400	\$26,400
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes		RF	\$60.00	\$0	\$0	\$0
6	Median Running Dedicated Lanes - University	7136	RF	\$1,000.00	\$7,136,000	\$1,427,200	\$8,563,200
7	Median Busway Intersection Improvements	3	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$1,074,000</b>	<b>\$214,800</b>	<b>\$1,288,800</b>
7	Small Shelter	0	EA	\$60,000.00	\$0	\$0	\$0
8	Medium Shelter	1	EA	\$115,000.00	\$115,000	\$23,000	\$138,000
9	Large Shelter	2	EA	\$170,000.00	\$340,000	\$68,000	\$408,000
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	0	EA	\$40,000.00	\$0	\$0	\$0
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	3	EA	\$20,000.00	\$60,000	\$12,000	\$72,000
14	Additional Site Improvements	0	EA	\$20,000.00	\$0	\$0	\$0
15	Street Signage (2 per station)	6	EA	\$1,000.00	\$6,000	\$1,200	\$7,200
16	Utilities and Drainage Improvements (Minor)	2	EA	\$4,000.00	\$8,000	\$1,600	\$9,600
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	3	EA	\$5,000.00	\$15,000	\$3,000	\$18,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	5	EA	\$75,000.00	\$375,000	\$75,000	\$450,000
24	Fare Enforcement Equipment (per enforcement officer)		EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	3	EA	\$25,000.00	\$75,000	\$15,000	\$90,000
27	Security Cameras	2	EA	\$20,000.00	\$40,000	\$8,000	\$48,000
28	Wireless Connection	2	EA	\$5,000.00	\$10,000	\$2,000	\$12,000
29	Electrical Service	3	EA	\$10,000.00	\$30,000	\$6,000	\$36,000
<b>Total Construction Costs</b>					<b>\$8,294,000</b>	<b>\$1,658,800</b>	<b>\$9,952,800</b>
<b>Right of Way</b>					<b>\$499,520</b>	<b>\$499,520</b>	<b>\$999,040</b>
30	Commercial	71360	SF	\$7.00	\$499,520	\$499,520	\$999,040
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$2,986,404</b>
34	Preliminary Engineering						\$331,760
35	Final Design						\$507,630
36	Project Management for Design and Construction						\$175,870
37	Construction Administration and Management						\$668,515
38	Insurance						\$331,760
39	Legal; Permits; Review Fees by Other Agencies						\$107,916
40	Surveys, Testing, Investigation, Inspection						\$215,832
41	Agency Force Account Work						\$547,592
42	Public Art						\$99,528
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$2,090,736.60</b>
<b>West-FG-Univ Total Cost</b>							<b>\$16,028,981</b>

West-CG-Univ Corridor  
 Length (mi) 1.35  
 No. of Stations 3

Mix Traffic Length 7136
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Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$84,000</b>	<b>\$16,800</b>	<b>\$100,800</b>
1	Transit Signal Priority (per intersection)	2	EA	\$12,000.00	\$24,000	\$4,800	\$28,800
2	Signal Controller (per intersection)	2	EA	\$11,000.00	\$22,000	\$4,400	\$26,400
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	0	RF	\$60.00	\$0	\$0	\$0
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$1,845,000</b>	<b>\$369,000</b>	<b>\$2,214,000</b>
7	Small Shelter	1	EA	\$60,000.00	\$60,000	\$12,000	\$72,000
8	Medium Shelter	2	EA	\$115,000.00	\$230,000	\$46,000	\$276,000
9	Large Shelter	3	EA	\$170,000.00	\$510,000	\$102,000	\$612,000
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	6	EA	\$40,000.00	\$240,000	\$48,000	\$288,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	6	EA	\$20,000.00	\$120,000	\$24,000	\$144,000
15	Street Signage (2 per station)	12	EA	\$1,000.00	\$12,000	\$2,400	\$14,400
16	Utilities and Drainage Improvements (Minor)	2	EA	\$4,000.00	\$8,000	\$1,600	\$9,600
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	6	EA	\$5,000.00	\$30,000	\$6,000	\$36,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	5	EA	\$75,000.00	\$375,000	\$75,000	\$450,000
24	Fare Enforcement Equipment (per enforcement officer)	0	EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	5	EA	\$25,000.00	\$125,000	\$25,000	\$150,000
27	Security Cameras	3	EA	\$20,000.00	\$60,000	\$12,000	\$72,000
28	Wireless Connection	3	EA	\$5,000.00	\$15,000	\$3,000	\$18,000
29	Electrical Service	6	EA	\$10,000.00	\$60,000	\$12,000	\$72,000
<b>Total Construction Costs</b>					<b>\$1,929,000</b>	<b>\$385,800</b>	<b>\$2,314,800</b>
<b>Right of Way</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
30	Commercial		SF	\$7.00	\$0	\$0	\$0
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$659,718</b>
34	Preliminary Engineering						\$77,160
35	Final Design						\$115,740
36	Project Management for Design and Construction						\$38,580
37	Construction Administration and Management						\$154,320
38	Insurance						\$77,160
39	Legal; Permits; Review Fees by Other Agencies						\$19,290
40	Surveys, Testing, Investigation, Inspection						\$38,580
41	Agency Force Account Work						\$115,740
42	Public Art						\$23,148
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$446,177.70</b>
<b>West-CG-Univ Corridor Total Cost</b>							<b>\$3,420,696</b>

West-FG-MP Corridor  
 Length (mi) 2.99  
 No. of Stations 5

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$8,911,100</b>	<b>\$1,782,220</b>	<b>\$10,693,320</b>
1	Transit Signal Priority (per intersection)	6	EA	\$12,000.00	\$72,000	\$14,400	\$86,400
2	Signal Controller (per intersection)	6	EA	\$11,000.00	\$66,000	\$13,200	\$79,200
3	TSP - Bus Hardware (per bus)	11	EA	\$4,500.00	\$49,500	\$9,900	\$59,400
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	0	RF	\$60.00	\$0	\$0	\$0
6	Median Running Dedicated Lanes - Partial	15792	RF	\$550.00	\$8,685,600	\$1,737,120	\$10,422,720
7	Median Busway Intersection Improvements	6	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$2,233,000</b>	<b>\$446,600</b>	<b>\$2,679,600</b>
7	Small Shelter	5	EA	\$60,000.00	\$300,000	\$60,000	\$360,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	0	EA	\$170,000.00	\$0	\$0	\$0
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	0	EA	\$40,000.00	\$0	\$0	\$0
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	5	EA	\$20,000.00	\$100,000	\$20,000	\$120,000
14	Additional Site Improvements	0	EA	\$20,000.00	\$0	\$0	\$0
15	Street Signage (2 per station)	0	EA	\$1,000.00	\$0	\$0	\$0
16	Utilities and Drainage Improvements (Minor)	2	EA	\$4,000.00	\$8,000	\$1,600	\$9,600
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	5	EA	\$5,000.00	\$25,000	\$5,000	\$30,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	2	EA	\$75,000.00	\$150,000	\$30,000	\$180,000
24	Fare Enforcement Equipment (per enforcement officer)	0	EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	0	EA	\$25,000.00	\$0	\$0	\$0
27	Security Cameras	0	EA	\$20,000.00	\$0	\$0	\$0
28	Wireless Connection	0	EA	\$5,000.00	\$0	\$0	\$0
29	Electrical Service	5	EA	\$10,000.00	\$50,000	\$10,000	\$60,000
30	Transfer Point	1	EA	\$1,600,000.00	\$1,600,000	\$320,000	\$1,920,000
<b>Total Construction Costs</b>					<b>\$11,144,100</b>	<b>\$2,228,820</b>	<b>\$13,372,920</b>
<b>Right of Way</b>					<b>\$448,000</b>	<b>\$448,000</b>	<b>\$896,000</b>
30	Commercial	64000	SF	\$7.00	\$448,000	\$448,000	\$896,000
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$13,200,000</b>	<b>\$660,000</b>	<b>\$13,860,000</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors	11	EA	\$1,200,000.00	\$13,200,000	\$660,000	\$13,860,000
<b>Soft Costs</b>							<b>\$4,737,682</b>
34	Preliminary Engineering						\$445,764
35	Final Design						\$809,606
36	Project Management for Design and Construction						\$495,842
37	Construction Administration and Management						\$896,008
38	Insurance						\$445,764
39	Legal; Permits; Review Fees by Other Agencies						\$133,841
40	Surveys, Testing, Investigation, Inspection						\$531,682
41	Agency Force Account Work						\$845,446
42	Public Art						\$133,729
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$2,850,990.33</b>
<b>West-FG-MP Total Cost</b>							<b>\$35,717,593</b>

Added 1 per Mike C's comments.

West-CG-MP Corridor  
 Length (mi) 2.99  
 No. of Stations 5

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$1,173,020</b>	<b>\$234,604</b>	<b>\$1,407,624</b>
1	Transit Signal Priority (per intersection)	6	EA	\$12,000.00	\$72,000	\$14,400	\$86,400
2	Signal Controller (per intersection)	6	EA	\$11,000.00	\$66,000	\$13,200	\$79,200
3	TSP - Bus Hardware (per bus)	11	EA	\$4,500.00	\$49,500	\$9,900	\$59,400
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	15792	RF	\$60.00	\$947,520	\$189,504	\$1,137,024
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$2,448,000</b>	<b>\$489,600</b>	<b>\$2,937,600</b>
7	Small Shelter	10	EA	\$60,000.00	\$600,000	\$120,000	\$720,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	0	EA	\$170,000.00	\$0	\$0	\$0
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	10	EA	\$40,000.00	\$400,000	\$80,000	\$480,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	6	EA	\$20,000.00	\$120,000	\$24,000	\$144,000
15	Street Signage (2 per station)	20	EA	\$1,000.00	\$20,000	\$4,000	\$24,000
16	Utilities and Drainage Improvements (Minor)	2	EA	\$4,000.00	\$8,000	\$1,600	\$9,600
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	10	EA	\$5,000.00	\$50,000	\$10,000	\$60,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	2	EA	\$75,000.00	\$150,000	\$30,000	\$180,000
24	Fare Enforcement Equipment (per enforcement officer)	0	EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	0	EA	\$25,000.00	\$0	\$0	\$0
27	Security Cameras	0	EA	\$20,000.00	\$0	\$0	\$0
28	Wireless Connection	0	EA	\$5,000.00	\$0	\$0	\$0
29	Electrical Service	10	EA	\$10,000.00	\$100,000	\$20,000	\$120,000
30	Transfer Point	1	EA	\$1,600,000.00	\$1,600,000	\$320,000	\$1,920,000
<b>Total Construction Costs</b>					<b>\$3,621,020</b>	<b>\$724,204</b>	<b>\$4,345,224</b>
<b>Right of Way</b>					<b>\$448,000</b>	<b>\$448,000</b>	<b>\$896,000</b>
30	Commercial	64000	SF	\$7.00	\$448,000	\$448,000	\$896,000
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$11,000,000</b>	<b>\$550,000</b>	<b>\$11,550,000</b>
32	Low Floor 60-foot Buses	11	EA	\$1,000,000.00	\$11,000,000	\$550,000	\$11,550,000
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$2,032,789</b>
34	Preliminary Engineering						\$144,841
35	Final Design						\$336,221
36	Project Management for Design and Construction						\$301,380
37	Construction Administration and Management						\$294,162
38	Insurance						\$144,841
39	Legal; Permits; Review Fees by Other Agencies						\$58,610
40	Surveys, Testing, Investigation, Inspection						\$337,220
41	Agency Force Account Work						\$372,061
42	Public Art						\$43,452
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$1,091,101.93</b>
<b>West-CG-MP Corridor Total Cost</b>							<b>\$19,915,115</b>

Added 1 per Mike C's comments.



West-Odana Corridor  
 Length (mi) 3.28  
 No. of Stations 6

Includes High Point Station

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$434,020</b>	<b>\$86,804</b>	<b>\$520,824</b>
1	Transit Signal Priority (per intersection)	7	EA	\$12,000.00	\$84,000	\$16,800	\$100,800
2	Signal Controller (per intersection)	7	EA	\$11,000.00	\$77,000	\$15,400	\$92,400
3	TSP - Bus Hardware (per bus)	11	EA	\$4,500.00	\$49,500	\$9,900	\$59,400
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	3092	RF	\$60.00	\$185,520	\$37,104	\$222,624
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$4,351,000</b>	<b>\$870,200</b>	<b>\$5,221,200</b>
7	Small Shelter	9	EA	\$60,000.00	\$540,000	\$108,000	\$648,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	4	EA	\$170,000.00	\$680,000	\$136,000	\$816,000
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	13	EA	\$40,000.00	\$520,000	\$104,000	\$624,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	6	EA	\$20,000.00	\$120,000	\$24,000	\$144,000
15	Street Signage (2 per station)	26	EA	\$1,000.00	\$26,000	\$5,200	\$31,200
16	Utilities and Drainage Improvements (Minor)	0	EA	\$4,000.00	\$0	\$0	\$0
17	Utilities and Drainage Improvements (Major)	1	EA	\$20,000.00	\$20,000	\$4,000	\$24,000
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	13	EA	\$5,000.00	\$65,000	\$13,000	\$78,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	6	EA	\$75,000.00	\$450,000	\$90,000	\$540,000
24	Fare Enforcement Equipment (per enforcement officer)	0	EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	4	EA	\$25,000.00	\$100,000	\$20,000	\$120,000
27	Security Cameras	4	EA	\$20,000.00	\$80,000	\$16,000	\$96,000
28	Wireless Connection	4	EA	\$5,000.00	\$20,000	\$4,000	\$24,000
29	Electrical Service	13	EA	\$10,000.00	\$130,000	\$26,000	\$156,000
30	Transfer Point	1	EA	\$1,600,000.00	\$1,600,000	\$320,000	\$1,920,000
<b>Total Construction Costs</b>					<b>\$4,785,020</b>	<b>\$957,004</b>	<b>\$5,742,024</b>
<b>Right of Way</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
30	Commercial	0	SF	\$7.00	\$0	\$0	\$0
31	Residential	0	SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$11,000,000</b>	<b>\$550,000</b>	<b>\$11,550,000</b>
32	Low Floor 60-foot Buses	11	EA	\$1,000,000.00	\$11,000,000	\$550,000	\$11,550,000
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$2,296,477</b>
34	Preliminary Engineering						\$191,401
35	Final Design						\$397,101
36	Project Management for Design and Construction						\$315,700
37	Construction Administration and Management						\$382,802
38	Insurance						\$191,401
39	Legal; Permits; Review Fees by Other Agencies						\$47,850
40	Surveys, Testing, Investigation, Inspection						\$315,700
41	Agency Force Account Work						\$397,101
42	Public Art						\$57,420
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$1,205,775.13</b>
<b>West-Odana Corridors Total Cost</b>							<b>\$20,794,276</b>

Mix Traffic Length  
14248

Added 1 for High Pointe per Mike C's comments.

Added 1 per Mike C's comments.

North Corridor  
 Length (mi) 3.08  
 No. of Stations 6

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$1,964,000</b>	<b>\$392,800</b>	<b>\$2,356,800</b>
1	Transit Signal Priority (per intersection)	4	EA	\$12,000.00	\$48,000	\$9,600	\$57,600
2	Signal Controller (per intersection)	4	EA	\$11,000.00	\$44,000	\$8,800	\$52,800
3	TSP - Bus Hardware (per bus)	7	EA	\$4,500.00	\$31,500	\$6,300	\$37,800
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	875	RF	\$60.00	\$52,500	\$10,500	\$63,000
6	Median Running Dedicated Lanes - Partial	1500	RF	\$550.00	\$825,000	\$165,000	\$990,000
7	Rail Grade Crossing	1	LS	\$400,000.00	\$400,000	\$80,000	\$480,000
8	Yahara Bridge	3000	SF	\$175.00	\$525,000	\$105,000	\$630,000
9	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$4,192,000</b>	<b>\$838,400</b>	<b>\$5,030,400</b>
10	Small Shelter	6	EA	\$60,000.00	\$360,000	\$72,000	\$432,000
11	Medium Shelter	2	EA	\$115,000.00	\$230,000	\$46,000	\$276,000
12	Large Shelter	3	EA	\$170,000.00	\$510,000	\$102,000	\$612,000
13	60' Bus-Bulb Platform Construction (Demolition and Improvements)		EA	\$60,000.00	\$0	\$0	\$0
14	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	11	EA	\$40,000.00	\$440,000	\$88,000	\$528,000
15	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
16	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
17	Additional Site Improvements	5	EA	\$20,000.00	\$100,000	\$20,000	\$120,000
18	Street Signage (2 per station)	22	EA	\$1,000.00	\$22,000	\$4,400	\$26,400
19	Utilities and Drainage Improvements (Minor)	4	EA	\$4,000.00	\$16,000	\$3,200	\$19,200
20	Utilities and Drainage Improvements (Major)	1	EA	\$20,000.00	\$20,000	\$4,000	\$24,000
21	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
22	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
23	Traffic Control	11	EA	\$5,000.00	\$55,000	\$11,000	\$66,000
24	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
25	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
26	Ticket Vending Machine	7	EA	\$75,000.00	\$525,000	\$105,000	\$630,000
27	Fare Enforcement Equipment (per enforcement officer)	1	EA	\$4,000.00	\$4,000	\$800	\$4,800
28	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
29	Readerboards	5	EA	\$25,000.00	\$125,000	\$25,000	\$150,000
30	Security Cameras	3	EA	\$20,000.00	\$60,000	\$12,000	\$72,000
31	Wireless Connection	3	EA	\$5,000.00	\$15,000	\$3,000	\$18,000
32	Electrical Service	11	EA	\$10,000.00	\$110,000	\$22,000	\$132,000
33	Transfer Point	1	EA	\$1,600,000.00	\$1,600,000	\$320,000	\$1,920,000
<b>Total Construction Costs</b>					<b>\$6,156,000</b>	<b>\$1,231,200</b>	<b>\$7,387,200</b>
<b>Right of Way</b>					<b>\$468,300</b>	<b>\$468,300</b>	<b>\$936,600</b>
34	Commercial	66900.00	SF	\$7.00	\$468,300	\$468,300	\$936,600
35	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$7,000,000</b>	<b>\$350,000</b>	<b>\$7,350,000</b>
36	Low Floor 60-foot Buses	7	EA	\$1,000,000.00	\$7,000,000	\$350,000	\$7,350,000
37	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$2,665,842</b>
38	Preliminary Engineering						\$246,240
39	Final Design						\$448,726
40	Project Management for Design and Construction						\$272,486
41	Construction Administration and Management						\$497,163
42	Insurance						\$246,240
43	Legal; Permits; Review Fees by Other Agencies						\$84,975
44	Surveys, Testing, Investigation, Inspection						\$309,950
45	Agency Force Account Work						\$486,190
46	Public Art						\$73,872
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$1,648,446.30</b>
<b>North Corridor Total Cost</b>							<b>\$19,988,088</b>

Mix Traffic Length  
15237

Added 1 per Mike C's comments.  
 Added 1 per Mike C's comments.

South Corridor  
 Length (mi) 1.45  
 No. of Stations 3

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$38,000</b>	<b>\$7,600</b>	<b>\$45,600</b>
1	Transit Signal Priority (per intersection)	0	EA	\$12,000.00	\$0	\$0	\$0
2	Signal Controller (per intersection)	0	EA	\$11,000.00	\$0	\$0	\$0
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	0	RF	\$60.00	\$0	\$0	\$0
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$1,173,000</b>	<b>\$234,600</b>	<b>\$1,407,600</b>
7	Small Shelter	4	EA	\$60,000.00	\$240,000	\$48,000	\$288,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	2	EA	\$170,000.00	\$340,000	\$68,000	\$408,000
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	6	EA	\$40,000.00	\$240,000	\$48,000	\$288,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	3	EA	\$20,000.00	\$60,000	\$12,000	\$72,000
15	Street Signage (2 per station)	12	EA	\$1,000.00	\$12,000	\$2,400	\$14,400
16	Utilities and Drainage Improvements (Minor)	3	EA	\$4,000.00	\$12,000	\$2,400	\$14,400
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	6	EA	\$5,000.00	\$30,000	\$6,000	\$36,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	1	EA	\$75,000.00	\$75,000	\$15,000	\$90,000
24	Fare Enforcement Equipment (per enforcement officer)	1	EA	\$4,000.00	\$4,000	\$800	\$4,800
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	2	EA	\$25,000.00	\$50,000	\$10,000	\$60,000
27	Security Cameras	2	EA	\$20,000.00	\$40,000	\$8,000	\$48,000
28	Wireless Connection	2	EA	\$5,000.00	\$10,000	\$2,000	\$12,000
29	Electrical Service	6	EA	\$10,000.00	\$60,000	\$12,000	\$72,000
<b>Total Construction Costs</b>					<b>\$1,211,000</b>	<b>\$242,200</b>	<b>\$1,453,200</b>
<b>Right of Way</b>					<b>\$41,300</b>	<b>\$41,300</b>	<b>\$82,600</b>
30	Commercial	5900.00	SF	\$7.00	\$41,300	\$41,300	\$82,600
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$426,552</b>
34	Preliminary Engineering						\$48,440
35	Final Design						\$73,486
36	Project Management for Design and Construction						\$25,046
37	Construction Administration and Management						\$97,293
38	Insurance						\$48,440
39	Legal; Permits; Review Fees by Other Agencies						\$14,175
40	Surveys, Testing, Investigation, Inspection						\$28,350
41	Agency Force Account Work						\$76,790
42	Public Art						\$14,532
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$294,352.80</b>
<b>South Corridor Total Cost</b>							<b>\$2,256,705</b>

Mix Traffic Length  
7631

Added 1 per Mike C's comments.

South-FG-ParkN Corridor

Length (mi) 0.29

No. of Stations 2

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$1,519,500</b>	<b>\$303,900</b>	<b>\$1,823,400</b>
1	Transit Signal Priority (per intersection)	2	EA	\$12,000.00	\$24,000	\$4,800	\$28,800
2	Signal Controller (per intersection)	2	EA	\$11,000.00	\$22,000	\$4,400	\$26,400
3	TSP - Bus Hardware (per bus)	9	EA	\$4,500.00	\$40,500	\$8,100	\$48,600
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	0	RF	\$60.00	\$0	\$0	\$0
6	Median Running Dedicated Lanes - Full	1550	RF	\$900.00	\$1,395,000	\$279,000	\$1,674,000
7	Median Busway Intersection Improvements	2	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$441,000</b>	<b>\$88,200</b>	<b>\$529,200</b>
7	Small Shelter	1	EA	\$60,000.00	\$60,000	\$12,000	\$72,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	1	EA	\$170,000.00	\$170,000	\$34,000	\$204,000
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	0	EA	\$40,000.00	\$0	\$0	\$0
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	2	EA	\$20,000.00	\$40,000	\$8,000	\$48,000
14	Additional Site Improvements	0	EA	\$20,000.00	\$0	\$0	\$0
15	Street Signage (2 per station)	4	EA	\$1,000.00	\$4,000	\$800	\$4,800
16	Utilities and Drainage Improvements (Minor)	3	EA	\$4,000.00	\$12,000	\$2,400	\$14,400
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	2	EA	\$5,000.00	\$10,000	\$2,000	\$12,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	1	EA	\$75,000.00	\$75,000	\$15,000	\$90,000
24	Fare Enforcement Equipment (per enforcement officer)		EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	1	EA	\$25,000.00	\$25,000	\$5,000	\$30,000
27	Security Cameras	1	EA	\$20,000.00	\$20,000	\$4,000	\$24,000
28	Wireless Connection	1	EA	\$5,000.00	\$5,000	\$1,000	\$6,000
29	Electrical Service	2	EA	\$10,000.00	\$20,000	\$4,000	\$24,000
<b>Total Construction Costs</b>					<b>\$1,960,500</b>	<b>\$392,100</b>	<b>\$2,352,600</b>
<b>Right of Way</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
30	Commercial		SF	\$7.00	\$0	\$0	\$0
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$10,800,000</b>	<b>\$540,000</b>	<b>\$11,340,000</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors	9	EA	\$1,200,000.00	\$10,800,000	\$540,000	\$11,340,000
<b>Soft Costs</b>							<b>\$1,318,491</b>
34	Preliminary Engineering						\$78,420
35	Final Design						\$225,630
36	Project Management for Design and Construction						\$255,210
37	Construction Administration and Management						\$156,840
38	Insurance						\$78,420
39	Legal; Permits; Review Fees by Other Agencies						\$19,605
40	Surveys, Testing, Investigation, Inspection						\$255,210
41	Agency Force Account Work						\$225,630
42	Public Art						\$23,526
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$550,663.65</b>
<b>South-FG-ParkN Corridor Total Cost</b>							<b>\$15,561,755</b>

South-CG-ParkN Corridor  
 Length (mi) 0.29  
 No. of Stations 2

Mix Traffic Length  
 1550

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$124,500</b>	<b>\$24,900</b>	<b>\$149,400</b>
1	Transit Signal Priority (per intersection)	2	EA	\$12,000.00	\$24,000	\$4,800	\$28,800
2	Signal Controller (per intersection)	2	EA	\$11,000.00	\$22,000	\$4,400	\$26,400
3	TSP - Bus Hardware (per bus)	9	EA	\$4,500.00	\$40,500	\$8,100	\$48,600
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	0	RF	\$60.00	\$0	\$0	\$0
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$755,000</b>	<b>\$151,000</b>	<b>\$906,000</b>
7	Small Shelter	3	EA	\$60,000.00	\$180,000	\$36,000	\$216,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	1	EA	\$170,000.00	\$170,000	\$34,000	\$204,000
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	4	EA	\$40,000.00	\$160,000	\$32,000	\$192,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	2	EA	\$20,000.00	\$40,000	\$8,000	\$48,000
15	Street Signage (2 per station)	8	EA	\$1,000.00	\$8,000	\$1,600	\$9,600
16	Utilities and Drainage Improvements (Minor)	3	EA	\$4,000.00	\$12,000	\$2,400	\$14,400
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	4	EA	\$5,000.00	\$20,000	\$4,000	\$24,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	1	EA	\$75,000.00	\$75,000	\$15,000	\$90,000
24	Fare Enforcement Equipment (per enforcement officer)		EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	1	EA	\$25,000.00	\$25,000	\$5,000	\$30,000
27	Security Cameras	1	EA	\$20,000.00	\$20,000	\$4,000	\$24,000
28	Wireless Connection	1	EA	\$5,000.00	\$5,000	\$1,000	\$6,000
29	Electrical Service	4	EA	\$10,000.00	\$40,000	\$8,000	\$48,000
<b>Total Construction Costs</b>					<b>\$879,500</b>	<b>\$175,900</b>	<b>\$1,055,400</b>
<b>Right of Way</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
30	Commercial		SF	\$7.00	\$0	\$0	\$0
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$9,000,000</b>	<b>\$450,000</b>	<b>\$9,450,000</b>
32	Low Floor 60-foot Buses	9	EA	\$1,000,000.00	\$9,000,000	\$450,000	\$9,450,000
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$840,789</b>
34	Preliminary Engineering						\$35,180
35	Final Design						\$142,770
36	Project Management for Design and Construction						\$197,590
37	Construction Administration and Management						\$70,360
38	Insurance						\$35,180
39	Legal; Permits; Review Fees by Other Agencies						\$8,795
40	Surveys, Testing, Investigation, Inspection						\$197,590
41	Agency Force Account Work						\$142,770
42	Public Art						\$10,554
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$284,428.35</b>
<b>South-CG-ParkN Total Cost</b>							<b>\$11,630,617</b>

South-FG-ParkS Corridor  
 Length (mi) 1.88  
 No. of Stations 6

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$8,994,900</b>	<b>\$1,798,980</b>	<b>\$10,793,880</b>
1	Transit Signal Priority (per intersection)	2	EA	\$12,000.00	\$24,000	\$4,800	\$28,800
2	Signal Controller (per intersection)	2	EA	\$11,000.00	\$22,000	\$4,400	\$26,400
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	0	RF	\$60.00	\$0	\$0	\$0
6	Median Running Dedicated Lanes - Full	9901	RF	\$900.00	\$8,910,900	\$1,782,180	\$10,693,080
7	Median Busway Intersection Improvements	6	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$2,247,000</b>	<b>\$449,400</b>	<b>\$2,696,400</b>
7	Small Shelter	5	EA	\$60,000.00	\$300,000	\$60,000	\$360,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	0	EA	\$170,000.00	\$0	\$0	\$0
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	0	EA	\$40,000.00	\$0	\$0	\$0
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	5	EA	\$20,000.00	\$100,000	\$20,000	\$120,000
14	Additional Site Improvements	0	EA	\$20,000.00	\$0	\$0	\$0
15	Street Signage (2 per station)	10	EA	\$1,000.00	\$10,000	\$2,000	\$12,000
16	Utilities and Drainage Improvements (Minor)	3	EA	\$4,000.00	\$12,000	\$2,400	\$14,400
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	5	EA	\$5,000.00	\$25,000	\$5,000	\$30,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	2	EA	\$75,000.00	\$150,000	\$30,000	\$180,000
24	Fare Enforcement Equipment (per enforcement officer)	0	EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	0	EA	\$25,000.00	\$0	\$0	\$0
27	Security Cameras	0	EA	\$20,000.00	\$0	\$0	\$0
28	Wireless Connection	0	EA	\$5,000.00	\$0	\$0	\$0
29	Electrical Service	5	EA	\$10,000.00	\$50,000	\$10,000	\$60,000
30	Transfer Point	1	EA	\$1,600,000.00	\$1,600,000	\$320,000	\$1,920,000
<b>Total Construction Costs</b>					<b>\$11,241,900</b>	<b>\$2,248,380</b>	<b>\$13,490,280</b>
<b>Right of Way</b>					<b>\$448,000</b>	<b>\$448,000</b>	<b>\$896,000</b>
30	Commercial	64000	SF	\$7.00	\$448,000	\$448,000	\$896,000
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$3,979,130</b>
34	Preliminary Engineering						\$449,676
35	Final Design						\$683,474
36	Project Management for Design and Construction						\$233,798
37	Construction Administration and Management						\$903,832
38	Insurance						\$449,676
39	Legal; Permits; Review Fees by Other Agencies						\$134,819
40	Surveys, Testing, Investigation, Inspection						\$269,638
41	Agency Force Account Work						\$719,314
42	Public Art						\$134,903
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$2,754,811.47</b>
<b>South-FG-ParkS Total Cost</b>							<b>\$21,120,221</b>

Added 1 per Mike C's comments.

South-CG-ParkS Corridor  
 Length (mi) 1.88  
 No. of Stations 6

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$678,060</b>	<b>\$135,612</b>	<b>\$813,672</b>
1	Transit Signal Priority (per intersection)	2	EA	\$12,000.00	\$24,000	\$4,800	\$28,800
2	Signal Controller (per intersection)	2	EA	\$11,000.00	\$22,000	\$4,400	\$26,400
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	9901	RF	\$60.00	\$594,060	\$118,812	\$712,872
6	Median Running Dedicated Lanes		RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements		EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$3,032,000</b>	<b>\$606,400</b>	<b>\$3,638,400</b>
7	Small Shelter	10	EA	\$60,000.00	\$600,000	\$120,000	\$720,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	0	EA	\$170,000.00	\$0	\$0	\$0
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	10	EA	\$40,000.00	\$400,000	\$80,000	\$480,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	5	EA	\$20,000.00	\$100,000	\$20,000	\$120,000
15	Street Signage (2 per station)	20	EA	\$1,000.00	\$20,000	\$4,000	\$24,000
16	Utilities and Drainage Improvements (Minor)	3	EA	\$4,000.00	\$12,000	\$2,400	\$14,400
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	10	EA	\$5,000.00	\$50,000	\$10,000	\$60,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	2	EA	\$75,000.00	\$150,000	\$30,000	\$180,000
24	Fare Enforcement Equipment (per enforcement officer)		EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	0	EA	\$25,000.00	\$0	\$0	\$0
27	Security Cameras	0	EA	\$20,000.00	\$0	\$0	\$0
28	Wireless Connection	0	EA	\$5,000.00	\$0	\$0	\$0
29	Electrical Service	10	EA	\$10,000.00	\$100,000	\$20,000	\$120,000
30	Transfer Point	1	EA	\$1,600,000.00	\$1,600,000	\$320,000	\$1,920,000
<b>Total Construction Costs</b>					<b>\$3,710,060</b>	<b>\$742,012</b>	<b>\$4,452,072</b>
<b>Right of Way</b>					<b>\$448,000</b>	<b>\$448,000</b>	<b>\$896,000</b>
30	Commercial	64000	SF	\$7.00	\$448,000	\$448,000	\$896,000
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$1,403,241</b>
34	Preliminary Engineering						\$148,402
35	Final Design						\$231,564
36	Project Management for Design and Construction						\$83,161
37	Construction Administration and Management						\$301,285
38	Insurance						\$148,402
39	Legal; Permits; Review Fees by Other Agencies						\$59,501
40	Surveys, Testing, Investigation, Inspection						\$119,001
41	Agency Force Account Work						\$267,404
42	Public Art						\$44,521
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$1,012,696.88</b>
<b>South-CG-ParkS Corridor Total Cost</b>							<b>\$7,764,009</b>

Added 1 per Mike C's comments.

South-FG-Fish Corridor  
 Length (mi) 1.19  
 No. of Stations 2

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$3,584,550</b>	<b>\$716,910</b>	<b>\$4,301,460</b>
1	Transit Signal Priority (per intersection)	4	EA	\$12,000.00	\$48,000	\$9,600	\$57,600
2	Signal Controller (per intersection)	4	EA	\$11,000.00	\$44,000	\$8,800	\$52,800
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	0	RF	\$60.00	\$0	\$0	\$0
6	Median Running Dedicated Lanes - Partial	6281	RF	\$550.00	\$3,454,550	\$690,910	\$4,145,460
7	Median Busway Intersection Improvements	2	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$226,000</b>	<b>\$45,200</b>	<b>\$271,200</b>
7	Small Shelter	2	EA	\$60,000.00	\$120,000	\$24,000	\$144,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	0	EA	\$170,000.00	\$0	\$0	\$0
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	0	EA	\$40,000.00	\$0	\$0	\$0
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	2	EA	\$20,000.00	\$40,000	\$8,000	\$48,000
14	Additional Site Improvements	0	EA	\$20,000.00	\$0	\$0	\$0
15	Street Signage (2 per station)	4	EA	\$1,000.00	\$4,000	\$800	\$4,800
16	Utilities and Drainage Improvements (Minor)	3	EA	\$4,000.00	\$12,000	\$2,400	\$14,400
17	Utilities and Drainage Improvements (Major)	1	EA	\$20,000.00	\$20,000	\$4,000	\$24,000
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	2	EA	\$5,000.00	\$10,000	\$2,000	\$12,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	0	EA	\$75,000.00	\$0	\$0	\$0
24	Fare Enforcement Equipment (per enforcement officer)		EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	0	EA	\$25,000.00	\$0	\$0	\$0
27	Security Cameras	0	EA	\$20,000.00	\$0	\$0	\$0
28	Wireless Connection	0	EA	\$5,000.00	\$0	\$0	\$0
29	Electrical Service	2	EA	\$10,000.00	\$20,000	\$4,000	\$24,000
<b>Total Construction Costs</b>					<b>\$3,810,550</b>	<b>\$762,110</b>	<b>\$4,572,660</b>
<b>Right of Way</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
30	Commercial		SF	\$7.00	\$0	\$0	\$0
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$1,303,208</b>
34	Preliminary Engineering						\$152,422
35	Final Design						\$228,633
36	Project Management for Design and Construction						\$76,211
37	Construction Administration and Management						\$304,844
38	Insurance						\$152,422
39	Legal; Permits; Review Fees by Other Agencies						\$38,106
40	Surveys, Testing, Investigation, Inspection						\$76,211
41	Agency Force Account Work						\$228,633
42	Public Art						\$45,727
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$881,380.22</b>
<b>South-FG-Fish Corridor Total Cost</b>							<b>\$6,757,248</b>



South-CG-Fish Corridor  
 Length (mi) 1.19  
 No. of Stations 2

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$506,860</b>	<b>\$101,372</b>	<b>\$608,232</b>
1	Transit Signal Priority (per intersection)	4	EA	\$12,000.00	\$48,000	\$9,600	\$57,600
2	Signal Controller (per intersection)	4	EA	\$11,000.00	\$44,000	\$8,800	\$52,800
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	6281	RF	\$60.00	\$376,860	\$75,372	\$452,232
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$540,000</b>	<b>\$108,000</b>	<b>\$648,000</b>
7	Small Shelter	4	EA	\$60,000.00	\$240,000	\$48,000	\$288,000
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	0	EA	\$170,000.00	\$0	\$0	\$0
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	4	EA	\$40,000.00	\$160,000	\$32,000	\$192,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	2	EA	\$20,000.00	\$40,000	\$8,000	\$48,000
15	Street Signage (2 per station)	8	EA	\$1,000.00	\$8,000	\$1,600	\$9,600
16	Utilities and Drainage Improvements (Minor)	3	EA	\$4,000.00	\$12,000	\$2,400	\$14,400
17	Utilities and Drainage Improvements (Major)	1	EA	\$20,000.00	\$20,000	\$4,000	\$24,000
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	4	EA	\$5,000.00	\$20,000	\$4,000	\$24,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	0	EA	\$75,000.00	\$0	\$0	\$0
24	Fare Enforcement Equipment (per enforcement officer)		EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	0	EA	\$25,000.00	\$0	\$0	\$0
27	Security Cameras	0	EA	\$20,000.00	\$0	\$0	\$0
28	Wireless Connection	0	EA	\$5,000.00	\$0	\$0	\$0
29	Electrical Service	4	EA	\$10,000.00	\$40,000	\$8,000	\$48,000
<b>Total Construction Costs</b>					<b>\$1,046,860</b>	<b>\$209,372</b>	<b>\$1,256,232</b>
<b>Right of Way</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
30	Commercial		SF	\$7.00	\$0	\$0	\$0
31	Residential		SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$358,026</b>
34	Preliminary Engineering						\$41,874
35	Final Design						\$62,812
36	Project Management for Design and Construction						\$20,937
37	Construction Administration and Management						\$83,749
38	Insurance						\$41,874
39	Legal; Permits; Review Fees by Other Agencies						\$10,469
40	Surveys, Testing, Investigation, Inspection						\$20,937
41	Agency Force Account Work						\$62,812
42	Public Art						\$12,562
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$242,138.72</b>
<b>South-CG-Fish Corridor Total Cost</b>							<b>\$1,856,397</b>

Central-East  
 Length (mi) 1.13  
 No. of Stations 4

Mix Traffic Length  
 1953

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$485,000</b>	<b>\$97,000</b>	<b>\$582,000</b>
1	Transit Signal Priority (per intersection)	9	EA	\$12,000.00	\$108,000	\$21,600	\$129,600
2	Signal Controller (per intersection)	9	EA	\$11,000.00	\$99,000	\$19,800	\$118,800
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	4000	RF	\$60.00	\$240,000	\$48,000	\$288,000
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$1,708,000</b>	<b>\$341,600</b>	<b>\$2,049,600</b>
7	Small Shelter	4	EA	\$60,000.00	\$240,000	\$48,000	\$288,000
8	Medium Shelter	4	EA	\$115,000.00	\$460,000	\$92,000	\$552,000
9	Large Shelter	0	EA	\$170,000.00	\$0	\$0	\$0
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	8	EA	\$40,000.00	\$320,000	\$64,000	\$384,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	4	EA	\$20,000.00	\$80,000	\$16,000	\$96,000
15	Street Signage (2 per station)	16	EA	\$1,000.00	\$16,000	\$3,200	\$19,200
16	Utilities and Drainage Improvements (Minor)	3	EA	\$4,000.00	\$12,000	\$2,400	\$14,400
17	Utilities and Drainage Improvements (Major)	3	EA	\$20,000.00	\$60,000	\$12,000	\$72,000
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	8	EA	\$5,000.00	\$40,000	\$8,000	\$48,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	4	EA	\$75,000.00	\$300,000	\$60,000	\$360,000
24	Fare Enforcement Equipment (per enforcement officer)		EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	4	EA	\$25,000.00	\$100,000	\$20,000	\$120,000
27	Security Cameras	0	EA	\$20,000.00	\$0	\$0	\$0
28	Wireless Connection	0	EA	\$5,000.00	\$0	\$0	\$0
29	Electrical Service	8	EA	\$10,000.00	\$80,000	\$16,000	\$96,000
<b>Total Construction Costs</b>					<b>\$2,193,000</b>	<b>\$438,600</b>	<b>\$2,631,600</b>
<b>Right of Way</b>					<b>\$16,800</b>	<b>\$16,800</b>	<b>\$33,600</b>
30	Commercial	2400	SF	\$7.00	\$16,800	\$16,800	\$33,600
31	Residential	0	SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$755,046</b>
34	Preliminary Engineering						\$87,720
35	Final Design						\$131,916
36	Project Management for Design and Construction						\$44,196
37	Construction Administration and Management						\$175,608
38	Insurance						\$87,720
39	Legal; Permits; Review Fees by Other Agencies						\$22,770
40	Surveys, Testing, Investigation, Inspection						\$45,540
41	Agency Force Account Work						\$133,260
42	Public Art						\$26,316
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$513,036.90</b>
<b>Central-East Corridor Total Cost</b>							<b>\$3,933,283</b>

Central-West  
Length (mi) 0.68  
No. of Stations 3

Mix Traffic Length 1577
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Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$275,840</b>	<b>\$55,168</b>	<b>\$331,008</b>
1	Transit Signal Priority (per intersection)	3	EA	\$12,000.00	\$36,000	\$7,200	\$43,200
2	Signal Controller (per intersection)	3	EA	\$11,000.00	\$33,000	\$6,600	\$39,600
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	2814	RF	\$60.00	\$168,840	\$33,768	\$202,608
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$1,158,000</b>	<b>\$231,600</b>	<b>\$1,389,600</b>
7	Small Shelter	0	EA	\$60,000.00	\$0	\$0	\$0
8	Medium Shelter	1	EA	\$115,000.00	\$115,000	\$23,000	\$138,000
9	Large Shelter	2	EA	\$170,000.00	\$340,000	\$68,000	\$408,000
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	3	EA	\$40,000.00	\$120,000	\$24,000	\$144,000
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	1	EA	\$20,000.00	\$20,000	\$4,000	\$24,000
15	Street Signage (2 per station)	6	EA	\$1,000.00	\$6,000	\$1,200	\$7,200
16	Utilities and Drainage Improvements (Minor)	3	EA	\$4,000.00	\$12,000	\$2,400	\$14,400
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	3	EA	\$5,000.00	\$15,000	\$3,000	\$18,000
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	5	EA	\$75,000.00	\$375,000	\$75,000	\$450,000
24	Fare Enforcement Equipment (per enforcement officer)		EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	3	EA	\$25,000.00	\$75,000	\$15,000	\$90,000
27	Security Cameras	2	EA	\$20,000.00	\$40,000	\$8,000	\$48,000
28	Wireless Connection	2	EA	\$5,000.00	\$10,000	\$2,000	\$12,000
29	Electrical Service	3	EA	\$10,000.00	\$30,000	\$6,000	\$36,000
<b>Total Construction Costs</b>					<b>\$1,433,840</b>	<b>\$286,768</b>	<b>\$1,720,608</b>
<b>Right of Way</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
30	Commercial	0	SF	\$7.00	\$0	\$0	\$0
31	Residential	0	SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$490,373</b>
34	Preliminary Engineering						\$57,354
35	Final Design						\$86,030
36	Project Management for Design and Construction						\$28,677
37	Construction Administration and Management						\$114,707
38	Insurance						\$57,354
39	Legal; Permits; Review Fees by Other Agencies						\$14,338
40	Surveys, Testing, Investigation, Inspection						\$28,677
41	Agency Force Account Work						\$86,030
42	Public Art						\$17,206
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$331,647.19</b>
<b>Central-West Corridor Total Cost</b>							<b>\$2,542,628</b>

Central-Square  
 Length (mi) 0.59  
 No. of Stations 2

Item No.	Item Description	Quantity	Unit	Unit Cost	Cost	Allocated	Final Cost
<b>Corridor Improvement</b>					<b>\$224,000</b>	<b>\$44,800</b>	<b>\$268,800</b>
1	Transit Signal Priority (per intersection)	0	EA	\$12,000.00	\$0	\$0	\$0
2	Signal Controller (per intersection)	0	EA	\$11,000.00	\$0	\$0	\$0
3	TSP - Bus Hardware (per bus)	0	EA	\$4,500.00	\$0	\$0	\$0
4	TSP Central System Upgrades	1	LS	\$38,000.00	\$38,000	\$7,600	\$45,600
5	Side Running Dedicated Lanes	3100	RF	\$60.00	\$186,000	\$37,200	\$223,200
6	Median Running Dedicated Lanes	0	RF	\$0.00	\$0	\$0	\$0
7	Median Busway Intersection Improvements	0	EA	\$0.00	\$0	\$0	\$0
<b>Rapid Bus Station</b>					<b>\$229,000</b>	<b>\$45,800</b>	<b>\$274,800</b>
7	Small Shelter	0	EA	\$60,000.00	\$0	\$0	\$0
8	Medium Shelter	0	EA	\$115,000.00	\$0	\$0	\$0
9	Large Shelter	0	EA	\$170,000.00	\$0	\$0	\$0
10	60' Bus-Bulb Platform Construction (Demolition and Improvements)	0	EA	\$60,000.00	\$0	\$0	\$0
11	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	0	EA	\$40,000.00	\$0	\$0	\$0
12	60' Fixed Guideway Split-Side Platform	0	EA	\$40,000.00	\$0	\$0	\$0
13	60' Fixed Guideway Shared Center Platform	0	EA	\$20,000.00	\$0	\$0	\$0
14	Additional Site Improvements	0	EA	\$20,000.00	\$0	\$0	\$0
15	Street Signage (2 per station)	4	EA	\$1,000.00	\$4,000	\$800	\$4,800
16	Utilities and Drainage Improvements (Minor)	0	EA	\$4,000.00	\$0	\$0	\$0
17	Utilities and Drainage Improvements (Major)	0	EA	\$20,000.00	\$0	\$0	\$0
18	Relocate Signal Pole Pedestal	0	EA	\$6,000.00	\$0	\$0	\$0
19	Install Pedestrian Push Button Pole	0	EA	\$5,000.00	\$0	\$0	\$0
20	Traffic Control	0	EA	\$5,000.00	\$0	\$0	\$0
21	Surface Parking	0	SPACE	\$3,000.00	\$0	\$0	\$0
22	Structured Parking	0	SPACE	\$12,000.00	\$0	\$0	\$0
23	Ticket Vending Machine	3	EA	\$75,000.00	\$225,000	\$45,000	\$270,000
24	Fare Enforcement Equipment (per enforcement officer)		EA	\$4,000.00	\$0	\$0	\$0
25	Emergency Phone	0	EA	\$1,000.00	\$0	\$0	\$0
26	Readerboards	0	EA	\$25,000.00	\$0	\$0	\$0
27	Security Cameras	0	EA	\$20,000.00	\$0	\$0	\$0
28	Wireless Connection	0	EA	\$5,000.00	\$0	\$0	\$0
29	Electrical Service	0	EA	\$10,000.00	\$0	\$0	\$0
<b>Total Construction Costs</b>					<b>\$453,000</b>	<b>\$90,600</b>	<b>\$543,600</b>
<b>Right of Way</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
30	Commercial	0	SF	\$7.00	\$0	\$0	\$0
31	Residential	0	SF	\$4.00	\$0	\$0	\$0
<b>Vehicles</b>					<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
32	Low Floor 60-foot Buses		EA	\$1,000,000.00	\$0	\$0	\$0
33	Low Floor 60-foot Buses w/ Left-Side Doors		EA	\$1,200,000.00	\$0	\$0	\$0
<b>Soft Costs</b>							<b>\$154,926</b>
34	Preliminary Engineering						\$18,120
35	Final Design						\$27,180
36	Project Management for Design and Construction						\$9,060
37	Construction Administration and Management						\$36,240
38	Insurance						\$18,120
39	Legal; Permits; Review Fees by Other Agencies						\$4,530
40	Surveys, Testing, Investigation, Inspection						\$9,060
41	Agency Force Account Work						\$27,180
42	Public Art						\$5,436
<b>15% Contingency (Not Applied to Vehicle Costs)</b>							<b>\$104,778.90</b>
<b>Central-Square Corridor Total Cost</b>							<b>\$803,305</b>

Mix Traffic Length 0
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Added 1 per Mike C's comments.

Item No.	Description	Unit	Unit Price
<b>Corridor Improvement</b>			
1	Transit Signal Priority (per intersection)	EA	\$ 12,000
2	Signal Controller (per intersection)	EA	\$ 11,000
3	TSP - Bus Hardware (per bus)	EA	\$ 4,500
4	TSP Central System Upgrades	LS	\$ 38,000
5	Side Running Dedicated Lanes	RF	\$ 60
6	Median Running Dedicated Lanes	RF	\$ -
7	Median Running Dedicated Lanes - Full	RF	\$ 900
8	Median Running Dedicated Lanes - Partial	RF	\$ 550
9	Median Running Dedicated Lanes - University	RF	\$ 1,000
10	Median Busway Intersection Improvements	EA	
<b>Rapid Bus Station</b>			
11	Small Shelter	EA	\$ 60,000
12	Medium Shelter	EA	\$ 115,000
13	Large Shelter	EA	\$ 170,000
14	60' Bus-Bulb Platform Construction (Demolition and Improvements)	EA	\$ 60,000
15	60' In Lane/Turn-Out Platform Construction (Demolition and Improvements)	EA	\$ 40,000
16	60' Fixed Guideway Split-Side Platform	EA	\$ 40,000
17	60' Fixed Guideway Shared Center Platform	EA	\$ 20,000
18	Additional Site Improvements	EA	\$ 20,000
19	Street Signage (2 per station)	EA	\$ 1,000
20	Utilities and Drainage Improvements (Minor)	EA	\$ 4,000
21	Utilities and Drainage Improvements (Major)	EA	\$ 20,000
22	Relocate Signal Pole Pedestal	EA	\$ 6,000
23	Install Pedestrian Push Button Pole	EA	\$ 5,000
24	Traffic Control	EA	\$ 5,000
25	Surface Parking	SPACE	\$ 3,000
26	Structured Parking	SPACE	\$ 12,000
27	Ticket Vending Machine	EA	\$ 75,000
28	Fare Enforcement Equipment (per enforcement officer)	EA	\$ 4,000
29	Emergency Phone	EA	\$ 1,000
30	Readerboards	EA	\$ 25,000
31	Security Cameras	EA	\$ 20,000
32	Wireless Connection	EA	\$ 5,000
33	Electrical Service	EA	\$ 10,000
34	Transfer Point	EA	\$ 1,600,000
<b>Right of Way</b>			
35	Commercial	SF	\$ 7
36	Residential	SF	\$ 4
<b>Vehicles</b>			
37	Low Floor 60-foot Buses	EA	\$ 1,000,000
38	Low Floor 60-foot Buses w/ Left-Side Doors	EA	\$ 1,200,000