

**APPENDIX K: Estimated Quantities & Opinions of Probable Construction Cost – Half-Mile Improvements**



**Parker Road Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**

1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 1A				1A-PR-SP-02		1A-PR-SW-23		1A-PR-SW-32		1A-PR-SW-33		1A-PR-RP-43		1A-PR-VW-V02	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	950	\$33,250.00	505	\$17,675.00	210	\$7,350.00	600	\$21,000.00	12	\$420.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1195	\$83,650.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00	12	\$240.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	900	\$67,500.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	40	\$1,588.80
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	5	\$17,590.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	50	\$2,900.00
TXDOT	PED RAMPS	EA	\$2,182.75	8	\$17,462.00	4	\$8,731.00	1	\$2,182.75		\$0.00		\$0.00	4	\$8,731.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00	1	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00	2	\$44,000.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	75	\$66,450.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33	2	\$1,458.66	2	\$1,458.66		\$0.00		\$0.00		\$0.00	1	\$729.33
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	800	\$42,400.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	90	\$8,730.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL		\$74,170.66		\$27,864.66		\$9,532.75		\$21,000.00		\$660.00		\$344,269.13	
CONSTRUCTION COST	TOTAL		\$74,170.66		\$27,864.66		\$9,532.75		\$21,000.00		\$660.00		\$344,269.13	
ENGINEERING DESIGN	10%		\$7,417.07		\$2,786.47		\$953.28		\$2,100.00		\$66.00		\$34,426.91	
GENERAL LANDSCAPING	4%		\$2,966.83		\$1,114.59		\$381.31		\$840.00		\$26.40		\$13,770.77	
STORMWATER POLLUTION PREVENTION PLAN	2%		\$1,483.41		\$557.29		\$190.66		\$420.00		\$13.20		\$6,885.38	
TRAFFIC CONTROL	3%		\$2,225.12		\$835.94		\$285.98		\$630.00		\$19.80		\$10,328.07	
MOBILIZATION	4%		\$3,233.84		\$1,214.90		\$415.63		\$915.60		\$28.78		\$15,010.13	
FEDERAL CONTINGENCY	2%		\$1,829.94		\$687.48		\$235.19		\$518.11		\$16.28		\$8,493.81	
OPCC	TOTAL		\$93,400.00		\$35,100.00		\$12,000.00		\$26,500.00		\$900.00		\$433,200.00	
AVERAGE COST PER LF OF SIDEWALK				\$98.32 PER LF		\$69.50 PER LF		\$57.14 PER LF		\$44.17 PER LF		\$75.00 PER LF		\$362.51 PER LF
GRAND TOTAL FOR GROUP 1A		\$2,305,200.00		Min Cost/LF	\$44.17 PER LF		Max Cost/LF	\$404.62 PER LF						

**Parker Road Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**

1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 1A				1A-PR-VW-V03		1A-PR-VW-V04		1A-PR-VW-V05		1A-PR-SW-01		1A-PR-SW-11		1A-PR-SW-14	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00		\$0.00	675	\$23,625.00	130	\$4,550.00	170	\$5,950.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00	820	\$57,400.00	1180	\$82,600.00	700	\$49,000.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	150	\$3,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00	740	\$29,392.80		\$0.00	0	\$0.00	130	\$5,163.60	170	\$6,752.40
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00	2	\$7,036.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00	20	\$1,160.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	6	\$13,096.50	3	\$6,548.25	2	\$4,365.50	2	\$4,365.50	1	\$2,182.75	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00	2	\$44,000.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00	1	\$572.00	1	\$572.00	2	\$1,144.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00	1	\$2,768.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00	3	\$2,658.00		\$0.00	4	\$3,544.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00	2	\$446.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00	1	\$8.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33	1	\$729.33		\$0.00		\$0.00	2	\$1,458.66		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00	500	\$26,500.00	1000	\$53,000.00	250	\$13,250.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00	50	\$4,850.00	30	\$2,910.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$117,001.83	\$219,023.05	\$71,757.50	\$32,217.16	\$11,896.35	\$14,885.15
CONSTRUCTION COST	TOTAL	\$117,001.83	\$219,023.05	\$71,757.50	\$32,217.16	\$11,896.35	\$14,885.15
ENGINEERING DESIGN	10%	\$11,700.18	\$21,902.31	\$7,175.75	\$3,221.72	\$1,189.64	\$1,488.52
GENERAL LANDSCAPING	4%	\$4,680.07	\$8,760.92	\$2,870.30	\$1,288.69	\$475.85	\$595.41
STORMWATER POLLUTION PREVENTION PLAN	2%	\$2,340.04	\$4,380.46	\$1,435.15	\$644.34	\$237.93	\$297.70
TRAFFIC CONTROL	3%	\$3,510.05	\$6,570.69	\$2,152.73	\$966.51	\$356.89	\$446.55
MOBILIZATION	4%	\$5,101.28	\$9,549.40	\$3,128.63	\$1,404.67	\$518.68	\$648.99
FEDERAL CONTINGENCY	2%	\$2,886.67	\$5,403.74	\$1,770.40	\$794.86	\$293.51	\$367.25
OPCC	TOTAL	\$147,300.00	\$275,600.00	\$90,300.00	\$40,600.00	\$15,000.00	\$18,800.00
AVERAGE COST PER LF OF SIDEWALK		\$179.63 PER LF	\$233.56 PER LF	\$129.00 PER LF	\$60.15 PER LF	\$115.38 PER LF	\$110.59 PER LF
GRAND TOTAL FOR GROUP 1A		<b>\$2,305,200.00</b>					

















**Median Island Detailed Estimate - LOCATION 1B-DP-CW-46**

(NOTES FROM WAP 2020-05-06)

This is similar +/- to similar location developed for 5A  
 copied and pasted from 05A OPCC for reference  
 will use same methodology and quantities and final cost  
 did not change anything from 05A

**Assumptions**

is across 8th Street on west side of Denley  
 assume 45 foot long  
 tear drop shape on west side - estimate as 2 triangles  
 assume max width at Denley is 10 foot

remove ex conc pavement (will equal new median area plus couple feet for C & G construction)  
 add median refuge island median pavement  
 add conc roadway pavement thru refuge island space  
 add conc curb across median refuge island  
 add C & C along 8th street across median refuge length  
 add striping east of Denley directing traffic to one lane each direction  
 add striping west of tear drop to direct traffic around island approach  
 add signs - west 1 on median, 2 advance signs to merge  
 add signs east of Hanley - heading WB 2 signs lane ends merge right

area of median - assume 2 triangles  
 $0.5 \times 45 \times 10 \times 2 = 450 \text{ sf}$

area of removal  
 add 45 lf x 2 sides plus 20 feet for median nose to median area  
 $= 450 + [(45 \times 2) + 20] = 560 \text{ SF}$

conc rdway pvmt at median refuge assume 10 ft wide x 10 ft long = 100 SF

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	560	\$0.49	\$274.40
356	SF	450	\$6.00	\$2,700.00
454	SF	100	\$6.33	\$633.00
407	LF	20	\$32.00	\$640.00
407	LF	110	\$32.00	\$3,520.00
0666 6035	LF	200	\$0.84	\$168.00
0666 6035	LF	200	\$0.84	\$168.00
0636 & 0646	EACH	3	\$650.00	\$1,950.00
0636 & 0646	EACH	2	\$650.00	\$1,300.00
				<b>\$11,353.40</b>

**Median Island Detailed Estimate - LOCATION 1B-DP-CW-58**

Assumptions

existing median width 10 plus conc curb and gutter

remove median pvmt

remove conc C & G

need to remove existing brick pavers and also reinstall along revised median configuration

remove ex pavers

replace/reinstall brick pavers

for refuge along tracks remove 14 ft width to allow for construction of 10 wide refuge - 2 wheelchairs to pass

install 10 ft conc pavement

install curb along road - each side

install curb along median refuge

remove ex median nose at west end to extend

remove median pvmt

remove C & G

remove ex pavers

replace/reinstall brick pavers

install new conc median (leave opening to park drive on north side)

measure on street view 135 lf

assume width 10 ft to match existing width

remove existing pavers

replace/reinstall brick pavers

install concrete median pavement

install conc C & G

remove existing signs (between I avenue and DART tracks)

install new signs west of I Avenue

add painted arrows on pavement west of I Ave for right turn only

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	140	\$1.38	\$193.20
0104 6022	LF	28	\$7.62	\$213.36
ASSUMED	SF	56	\$5.00	\$280.00
ASSUMED	SF	56	\$15.00	\$840.00
454	SF	120	\$6.33	\$759.60
407	LF	16	\$32.00	\$512.00
407	LF	20	\$32.00	\$640.00
0104 6001	SF	50	\$1.38	\$69.00
0104 6022	LF	20	\$7.62	\$152.40
ASSUMED	SF	40	\$5.00	\$200.00
ASSUMED	SF	30	\$15.00	\$450.00
ASSUMED	SF	1890	\$5.00	\$9,450.00
ASSUMED	SF	540	\$15.00	\$8,100.00
350	SF	1350	\$6.00	\$8,100.00
407	LF	600	\$32.00	\$19,200.00
807B	EACH	2	\$223.00	\$446.00
0636 &0646	EACH	3	\$650.00	\$1,950.00
0668 6019	EACH	2	\$495.00	\$990.00
				<b>\$52,545.56</b>

CityLine Bush Station

Improvement Code Legend: ID: 1A-PR-SW-01
1A ← Station Number
PR ← Station Abbreviation
SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)
01 ← Improvement Number (matches 1 on Map)

Table with columns for Entity, Item, Unit, Cost, Quantity, and various Improvement Code categories (1C-CB-SW-009 to 1C-CB-SW-040). Includes a summary section at the bottom for Construction Cost, Engineering Design, Traffic Control, and Grand Total for Group 1C.



CityLine Bush Station

Improvement Code Legend: ID: 1A-PR-SW-01
1A ← Station Number
SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)
PR ← Station Abbreviation
01 ← Improvement Number (matches 1 on Map)

Table with columns: ENTITY, ITEM, UNIT, COST, 1C-CB-SW-050, 1C-CB-SW-051, 1C-CB-SW-052, 1C-CB-SW-054, 1C-CB-SW-060, 1C-CB-SW-061, 1C-CB-SW-042, 1C-CB-SW-044. Rows include items like SIDEWALK (5'), SIDEWALK (10' PATH), REMOVE SIDEWALK, RETAINING WALL (1'), etc.

Summary table with columns: Category, Unit, and Cost. Includes rows for CONSTRUCTION COST (WITHOUT SIGNALS), CONSTRUCTION COST, ENGINEERING DESIGN, GENERAL LANDSCAPING, SWPPP, TRAFFIC CONTROL, MOBILIZATION, FEDERAL CONTINGENCY, OPCC, AVERAGE COST PER LF OF SIDEWALK, and GRAND TOTAL FOR GROUP 1C.





**CityLine Bush Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 1C				1C-CB-CW-042		1C-CB-CW-043	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00	1	\$572.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00	2	\$446.00	2	\$446.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	4	\$2,600.00	4	\$2,600.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	80	\$720.00	80	\$720.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00	12	\$720.00	12	\$720.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33	2	\$1,458.66	2	\$1,458.66
DALLAS	MEDIAN ISLAND (SEE SHEET(S) THAT FOLLOW FOR MORE INFO)	EA	SEE OTHER SHEET		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00
N/A	PED GENERAL LIGHTING (NOT FOR CROSSWALK)	EA	\$21,000.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000	0.5	\$75,000.00	0.5	\$75,000.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$6,516.66	\$5,944.66
CONSTRUCTION COST	TOTAL	\$81,516.66	\$80,944.66
ENGINEERING DESIGN	10%	\$8,151.67	\$8,094.47
GENERAL LANDSCAPING	4%	\$260.67	\$237.79
SWPPP	2%	\$130.33	\$118.89
TRAFFIC CONTROL	3%	\$195.50	\$178.34
MOBILIZATION	4%	\$284.13	\$259.19
FEDERAL CONTINGENCY	2%	\$1,810.78	\$1,796.67
OPCC	TOTAL	\$92,400.00	\$91,700.00
AVERAGE COST PER LF OF SIDEWALK		#DIV/0!	#DIV/0!
GRAND TOTAL FOR GROUP 1C		\$1,950,700.00	

## Median Island Detailed Estimate - LOCATION 1C-CB-CW-31

### Assumptions

along Executive Drive, heading west from Crawford

assume 45 foot long

tear drop shape - will estimate as 2 triangles

assume max width at Crawford as 10 foot wide

remove existing conc pavement (will equal median area plus couple of feet for curb and gutter)

add median refuge conc pvmt

add conc curb across median refuge

conc C & G along Executive

add striping west of tear drop directing traffic around median refuge

add signs for median - assume 2 and then one on median

area of median - assume 2 triangles

$0.5 \times 45 \times 10 \times 2 = 450 \text{ sf}$

area of removal

add 45 lf x 2 sides plus 20 feet for median nose to median area

$= 450 + [(45 \times 2) + 20] = 560 \text{ SF}$

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	560	\$0.49	\$274.40
356	SF	450	\$6.00	\$2,700.00
407	LF	20	\$32.00	\$640.00
407	LF	110	\$32.00	\$3,520.00
0666 6035	LF	200	\$0.84	\$168.00
0636 & 0646	EACH	2	\$650.00	\$1,300.00
				<b>\$8,602.40</b>









**CityLine Bush Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 1C				1C-CB-CW-042		1C-CB-CW-043	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00	1	\$572.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00	2	\$446.00	2	\$446.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	4	\$2,600.00	4	\$2,600.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	80	\$720.00	80	\$720.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00	12	\$720.00	12	\$720.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33	2	\$1,458.66	2	\$1,458.66
DALLAS	MEDIAN ISLAND (SEE SHEET(S) THAT FOLLOW FOR MORE INFO)	EA	SEE OTHER SHEET		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00
N/A	PED GENERAL LIGHTING (NOT FOR CROSSWALK)	EA	\$21,000.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000	0.5	\$75,000.00	0.5	\$75,000.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$6,516.66	\$5,944.66
CONSTRUCTION COST	TOTAL	\$81,516.66	\$80,944.66
ENGINEERING DESIGN	10%	\$8,151.67	\$8,094.47
GENERAL LANDSCAPING	4%	\$260.67	\$237.79
SWPPP	2%	\$130.33	\$118.89
TRAFFIC CONTROL	3%	\$195.50	\$178.34
MOBILIZATION	4%	\$284.13	\$259.19
FEDERAL CONTINGENCY	2%	\$1,810.78	\$1,796.67
OPCC	TOTAL	\$92,400.00	\$91,700.00
AVERAGE COST PER LF OF SIDEWALK		#DIV/0!	#DIV/0!
GRAND TOTAL FOR GROUP 1C		\$1,950,700.00	

## Median Island Detailed Estimate - LOCATION 1C-CB-CW-31

### Assumptions

along Executive Drive, heading west from Crawford

assume 45 foot long

tear drop shape - will estimate as 2 triangles

assume max width at Crawford as 10 foot wide

remove existing conc pavement (will equal median area plus couple of feet for curb and gutter)

add median refuge conc pvmt

add conc curb across median refuge

conc C & G along Executive

add striping west of tear drop directing traffic around median refuge

add signs for median - assume 2 and then one on median

area of median - assume 2 triangles

$0.5 \times 45 \times 10 \times 2 = 450 \text{ sf}$

area of removal

add 45 lf x 2 sides plus 20 feet for median nose to median area

$= 450 + [(45 \times 2) + 20] = 560 \text{ SF}$

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	560	\$0.49	\$274.40
356	SF	450	\$6.00	\$2,700.00
407	LF	20	\$32.00	\$640.00
407	LF	110	\$32.00	\$3,520.00
0666 6035	LF	200	\$0.84	\$168.00
0636 & 0646	EACH	2	\$650.00	\$1,300.00
				<b>\$8,602.40</b>







**Median Island Detailed Estimate - LOCATION 2A-GP-CW-26**

**Assumptions**

along Palisades Blvd at S Gate Dr  
 assume 60 foot long  
 tear drop shape - will estimate as 2 triangles  
 assume max width at S Gate Dr as 10 foot wide

remove existing conc pavement (will equal median area plus couple of feet for curb and gutter)  
 add median refuge conc pvmt  
 add conc curb across median refuge  
 conc C & G along Palisades Blvd  
 add striping west of tear drop directing traffic around median refuge  
 and also reducing EB traffic to one lane each way. Also along median both sides/edges  
 add signs for median - assume 2 for PED Crossing,  
 plus 1 on each end of median directing traffic around would be 6 total

area of median - assume 2 triangles  
 $0.5 \times 60 \times 10 \times 2 = 600$  sf  
 area of removal  
 add 60 lf x 2 sides plus 20 feet for median nose to median area  
 $= 600 + [(60 \times 2) + 20] = 740$  SF

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	740	\$0.49	\$362.60
356	SF	600	\$6.00	\$3,600.00
407	LF	20	\$32.00	\$640.00
407	LF	220	\$32.00	\$7,040.00
0666 6035	LF	800	\$0.84	\$672.00
0636 & 0646	EACH	6	\$650.00	\$3,900.00
				<b>\$16,214.60</b>

**Median Island Detailed Estimate - LOCATION 2A-GP-CW-27**

**Assumptions**

along Palisades Blvd at S Gate Dr  
 assume 60 foot long  
 tear drop shape - will estimate as 2 triangles  
 assume max width at S Gate Dr as 10 foot wide

remove existing conc pavement (will equal median area plus couple of feet for curb and gutter  
 add median refuge conc pvmt  
 add conc curb across median refuge  
 conc C & G along Palisades Blvd  
 add striping west of tear drop directing traffic around median refuge  
 and also reducing EB traffic to one lane each way. Also along median both sides/edges  
 add signs for median - assume 2 for PED Crossing,  
 plus 1 on each end of median directing traffic around would be 6 total

area of median - assume 2 triangles  
 $0.5 \times 60 \times 10 \times 2 = 600$  sf  
 area of removal  
 add 60 lf x 2 sides plus 20 feet for median nose to median area  
 $= 600 + [(60 \times 2) + 20] = 740$  SF

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	740	\$0.49	\$362.60
356	SF	600	\$6.00	\$3,600.00
407	LF	20	\$32.00	\$640.00
407	LF	220	\$32.00	\$7,040.00
0666 6035	LF	800	\$0.84	\$672.00
0636 & 0646	EACH	6	\$650.00	\$3,900.00
				<b>\$16,214.60</b>

**Median Island Detailed Estimate - LOCATION 2A-GP-SW-33**

**Assumptions**

Sidewalk along north side of Galatyn Parkway

Sidewalk and drainage inlet modification accounted for on main spreadsheet tab

Median island work for DDI accounted for under 2A-GP-SW-42

Eliminate existing pavement markings (4")

Eliminate existing pavement markings (12")

New double yellow markings (4") - 290 ft x 2

Remove pavement marking arrows

Pavement marking arrows

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
6776001	LF	1500	\$0.39	\$585.00
6776005	LF	304	\$1.51	\$459.04
6686043	LF	580	\$5.06	\$2,934.80
6776008	EA	6	\$53.30	\$319.80
6686122	EA	4	\$800.00	\$3,200.00
				<b>\$7,498.64</b>

length of 6" pavement marking removal

200 left turn solid white + 620 double yellow + 230/4 skip white = 1497.5 round to 1500

length of 12" pavement marking removal for diagonal lines

16 x 19 = 304 ft

## Median Island Detailed Estimate - LOCATION 2A-GP-SW-33

### Assumptions

Road diet with Diverging Diamond Interchange (DDI) - sidewalk in median

Median & splitter island construction for crossovers on bridge abutment/deck (see below)

Eliminate existing pavement markings (4")

Remove pavement marking arrows

Pavement marking arrows

Eliminate existing pavement markings (24")

New double yellow markings (4")

area of islands - assume each approach splitter island approximated by 200' x 14' diamond

0.5 x 200 x 14 = 1400 sf x 2 islands = 2800 sf total

Assume median island approximated by 130' x 16' diamond

0.5 x 130 x 16 = 1040 sf

Assume 2 crossover islands per intersection, each approximated by 30' x 15' diamonds

0.5 x 30 x 15 = 225 sf x 4 islands = 900 sf total

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
XXX	SF	4740	\$110.00	\$521,400.00
6776001	LF	200	\$0.39	\$78.00
6776008	EA	5	\$53.30	\$266.50
6686122	EA	8	\$800.00	\$6,400.00
6776007	LF	44	\$3.39	\$149.16
6686043	LF	250	\$5.06	\$1,265.00
				<b>\$529,558.66</b>

**LOCATION 2A-GP-SW-61**

**Assumptions**

Sidewalk along north side of Galatyn Parkway

Median island work for DDI accounted for under 2A-GP-SW-42

New single white marking (edge line) (4")

Remove pavement marking arrows

Pavement marking arrows

<u>ITEM NO</u>	<u>ITEM UNIT</u>	<u>QTY</u>	<u>UNIT COST</u>	<u>TOTAL</u>
6686043	LF	620	\$5.06	\$3,137.20
6776008	EA	2	\$53.30	\$106.60
6686122	EA	2	\$800.00	\$1,600.00
				<b>\$4,843.80</b>

length of 6" pavement marking removal

200 left turn solid white + 620 double yellow + 230/4 skip white = 1497.5 round to 1500

length of 12" pavement marking removal for diagonal lines

16 x 19 = 304 ft





**Arapaho Center Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation 01 ← Improvement Number (matches 1 on Map)

OPCC 2B				2B-AC-RP-34		2B-AC-RP-41		2B-AC-RP-23		2B-AC-RP-24		2B-AC-RP-35		2B-AC-SW-36	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	65	\$2,275.00	95	\$3,325.00	285	\$9,975.00	15	\$525.00	45	\$1,575.00	540	\$18,900.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	65	\$1,300.00	95	\$1,900.00	285	\$5,700.00	15	\$300.00	45	\$900.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	150	\$6,000.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00	285	\$11,320.20	15	\$595.80		\$0.00	540	\$21,448.80
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00	1	\$3,518.00		\$0.00		\$0.00		\$0.00	1	\$3,518.00
TXDOT	RAIL (HANDRAIL TYPE)	LF	\$140.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	6	\$13,096.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	3	\$25,333.32
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	2	\$1,772.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	3	\$669.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND/OTHER IMPROVEMENTS	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	3	\$2,187.99
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$4,758.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	GUARDRAIL END TREATMENT (MOVE & RESET)	EA	\$1,369.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$3,575.00	\$8,743.00	\$26,995.20	\$1,420.80	\$2,475.00	\$97,683.61
CONSTRUCTION COST	TOTAL	\$3,575.00	\$8,743.00	\$26,995.20	\$1,420.80	\$2,475.00	\$97,683.61
ENGINEERING DESIGN	10%	\$357.50	\$874.30	\$2,699.52	\$142.08	\$247.50	\$9,768.36
GENERAL LANDSCAPING	4%	\$143.00	\$349.72	\$1,079.81	\$56.83	\$99.00	\$3,907.34
SWPPP	2%	\$71.50	\$174.86	\$539.90	\$28.42	\$49.50	\$1,953.67
TRAFFIC CONTROL	3%	\$107.25	\$262.29	\$809.86	\$42.62	\$74.25	\$2,930.51
MOBILIZATION	4%	\$155.87	\$381.19	\$1,176.99	\$61.95	\$107.91	\$4,259.01
FEDERAL CONTINGENCY	2%	\$88.20	\$215.71	\$666.03	\$35.05	\$61.06	\$2,410.05
OPCC	TOTAL	\$4,500.00	\$11,100.00	\$34,000.00	\$1,800.00	\$3,200.00	\$123,000.00
AVERAGE COST PER LF OF SIDEWALK		\$69.23 PER LF	\$116.84 PER LF	\$119.30 PER LF	\$120.00 PER LF	\$71.11 PER LF	#DIV/0!
GRAND TOTAL FOR GROUP 2B		\$481,600.00					

**Arapaho Center Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**

1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Vegetation, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 2B				2B-AC-CW-04		2B-AC-CW-05		2B-AC-CW-55	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00
TXDOT	RAIL (HANDRAIL TYPE)	LF	\$140.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00		\$0.00	2	\$4,365.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	2	\$1,300.00	2	\$1,300.00	8	\$5,200.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	35	\$315.00	30	\$270.00	65	\$585.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00	4	\$240.00	4	\$240.00	14	\$840.00
N/A	MEDIAN ISLAND/OTHER IMPROVEMENTS	EA	SEE OTHER SHEET		\$0.00		\$0.00	1	\$85,391.50
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00
TXDOT	GUARDRAIL END TREATMENT (MOVE & RESET)	EA	\$1,369.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000	1	\$24,000.00	1	\$24,000.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00	1	\$36,000.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$1,855.00	\$1,810.00	\$96,382.00
CONSTRUCTION COST	TOTAL	\$25,855.00	\$25,810.00	\$132,382.00
ENGINEERING DESIGN	10%	\$2,585.50	\$2,581.00	\$13,238.20
GENERAL LANDSCAPING	4%	\$74.20	\$72.40	\$3,855.28
SWPPP	2%	\$37.10	\$36.20	\$1,927.64
TRAFFIC CONTROL	3%	\$55.65	\$54.30	\$2,891.46
MOBILIZATION	4%	\$80.88	\$78.92	\$4,202.26
FEDERAL CONTINGENCY	2%	\$573.77	\$572.66	\$3,169.94
OPCC	TOTAL	\$29,300.00	\$29,300.00	\$161,700.00
AVERAGE COST PER LF OF SIDEWALK		#DIV/0!	#DIV/0!	#DIV/0!
GRAND TOTAL FOR GROUP 2B		\$481,600.00		

## Median Island Detailed Estimate - LOCATION 2B-AC-CW-55

### ASSUMPTIONS

Assume 3 median islands that will be 8 ft wide and total 700 ft long so the leading end is visible from both ends of S-curve

add median nose signs each end as well as road narrows signs NB and SB - 8 total

add striping around new island and on both approaches to median

	ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
rem ex conc rdwy pvmt plus couple (4) ft for new C & G	0104 6001	SF	8450	\$0.49	\$4,140.50
add refuge conc rdwy pvmt	454	SF	100	\$6.33	\$633.00
conc refuge med pvmt	356	SF	5500	\$6.00	\$33,000.00
add C & G across refuge	407	LF	20	\$32.00	\$640.00
add C & G along median edges	407	LF	1430	\$32.00	\$45,760.00
add striping along new median	0666 6035	LF	1450	\$0.84	\$1,218.00
					<b>\$85,391.50</b>

remove conc rdwy pvmt

8 ft wide + 4 ft C & G = 12 ft wide

700 ft long + 4 ft C & G = 704 LF

total rem 704 x 12 = 8448 SF

conc rdwy refuge pvmt

10 x 10 = 100 SF

conc refuge med pvmt

take total width req'd minus refuge rdwy pvmt

$(700 \times 8) - 100 = 5500$  SF

C & G across refuge med

10 x 2 = 20 LF

C & G along median

take total length plus end minus refuge width times each side

$(700 + 8 \times 3 - 10) \times 2$

714 x 2 = 1428 LF

striping around median go thru refuge leaveout

$700 + 700 + 8 \times 6 = 1448$  LF



**Spring Valley Station**

<b>Improvement Code Legend: ID: 1A-PR-SW-01</b>	
1A ← Station Number	SW ← Sidewalk (or CW=Crosswalk, VW=Ve oweb, RP=Sidewalk Repair, GR=Gap to Remain)
PR ← Station Abbreviation	01 ← Improvement Number (matches <span style="border: 1px solid black; padding: 0 2px;">1</span> on Map)

OPCC 2C			2C-SV-CW-17		2C-SV-CW-38		
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00	2	\$4,365.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00	10	\$361.50
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	2	\$1,300.00	4	\$2,600.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	55	\$495.00	85	\$765.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00	8	\$480.00	16	\$960.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET	1	\$10,053.40		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000	1	\$36,000.00	1	\$36,000.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$12,328.40	\$9,052.00
CONSTRUCTION COST	TOTAL	\$48,328.40	\$45,052.00
ENGINEERING DESIGN	10%	\$4,832.84	\$4,505.20
GENERAL LANDSCAPING	4%	\$493.14	\$362.08
SWPPP	2%	\$246.57	\$181.04
TRAFFIC CONTROL	3%	\$369.85	\$271.56
MOBILIZATION	4%	\$537.52	\$394.67
FEDERAL CONTINGENCY	2%	\$1,096.17	\$1,015.33
OPCC	TOTAL	\$56,000.00	\$51,800.00
AVERAGE COST PER LF OF SIDEWALK			
GRAND TOTAL FOR GROUP 2C		\$528,600.00	

## Median Island Detailed Estimate - LOCATION 2C-SV-CW-17

### Assumptions

is across Lingco Dr at DART Park & Ride Crosswalk

assume 45 foot long

tear drop shape on both sides - estimate as 2 triangles

assume max width is 10 foot

remove ex conc pavement (will equal new median area plus couple feet for C & G construction)

add median refuge island median pavement

add conc roadway pavement thru refuge island space

add conc curb across median refuge island

add C & C along Lingco Dr across median refuge length

add striping on SB Lingco Dr directing traffic to one lane each direction

add striping north of tear drop to direct traffic around island approach

add signs - north 1 on median, 2 advance signs to merge

area of median - assume 2 triangles

$0.5 \times 45 \times 10 \times 2 = 450 \text{ sf}$

area of removal

add 45 lf x 2 sides plus 20 feet for median nose to median area

$= 450 + [(45 \times 2) + 20] = 560 \text{ SF}$

conc rdway pvmt at median refuge assume 10 ft wide x 10 ft long = 100 SF

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	560	\$0.49	\$274.40
356	SF	450	\$6.00	\$2,700.00
454	SF	100	\$6.33	\$633.00
407	LF	20	\$32.00	\$640.00
407	LF	110	\$32.00	\$3,520.00
0666 6035	LF	200	\$0.84	\$168.00
0666 6035	LF	200	\$0.84	\$168.00
0636 & 0646	EACH	3	\$650.00	\$1,950.00
				<b>\$10,053.40</b>

















**Downtown Garland Station**

**Improvement Code Legend; ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 3A				3A-DG-CW-215		3A-DG-CW-216		3A-DG-CW-217	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (6")	LF	\$42.00		\$0.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMP	EA	\$2,182.75		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15	6	\$216.90		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00	2	\$446.00	2	\$446.00	1	\$223.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	2	\$1,300.00	4	\$2,600.00	2	\$1,300.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	50	\$450.00	100	\$900.00	100	\$900.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00	24	\$192.00		\$0.00	48	\$384.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00	16	\$960.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00	1	\$26,435.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00	1	\$40,407.50
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$2,604.90	\$4,906.00	\$2,807.00
CONSTRUCTION COST	TOTAL	\$29,039.90	\$4,906.00	\$43,214.50
ENGINEERING DESIGN	10%	\$2,903.99	\$490.60	\$4,321.45
GENERAL LANDSCAPING	4%	\$104.20	\$196.24	\$112.28
SWPPP	2%	\$52.10	\$98.12	\$56.14
TRAFFIC CONTROL	3%	\$78.15	\$147.18	\$84.21
MOBILIZATION	4%	\$113.57	\$213.90	\$122.39
FEDERAL CONTINGENCY	2%	\$645.84	\$121.04	\$958.22
OPCC	TOTAL	\$33,000.00	\$6,200.00	\$48,900.00
AVERAGE COST PER LF OF SIDEWALK				
GRAND TOTAL FOR GROUP 3A		<b>\$7,134,400.00</b>		















**LBJ Central Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation 01 ← Improvement Number (matches [1](#) on Map)

OPCC 3C				3C-LC-CW-48	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00	16	\$960.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET	1	\$12,863.80
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75	1	\$41,183.75
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000	1	\$48,000.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$13,823.80
CONSTRUCTION COST	TOTAL	\$103,007.55
ENGINEERING DESIGN	10%	\$1,382.38
GENERAL LANDSCAPING	4%	\$552.95
SWPPP	2%	\$276.48
TRAFFIC CONTROL	3%	\$414.71
MOBILIZATION	4%	\$602.72
FEDERAL CONTINGENCY	2%	\$2,124.74
OPCC	TOTAL	\$108,400.00
AVERAGE COST PER LF OF SIDEWALK		#DIV/0!
GRAND TOTAL FOR GROUP 3C		\$1,432,100.00

**Median Island Detailed Estimate - LOCATION 3C-LC-CW-38**

**Assumptions**

along TI Blvd NW of DART tracks  
 assume 100 foot long due to approaching roadway curves  
 tear drop shape - will estimate as 2 triangles  
 assume max width at DART tracks as 10 foot wide

remove existing conc pavement (will equal median area plus couple of feet for curb and gutter)  
 add median refuge conc pvmt  
 add conc curb across median refuge  
 conc C & G along TI Blvd  
 add striping west of tear drop directing traffic around median refuge  
 and also reducing EB traffic to one lane each way. Also along median both sides/edges  
 add signs for median - assume 2 for PED Crossing, 2 for reducing to one lane each side  
 plus 1 on each end of median directing traffic around would be 10 total

area of median - assume 2 triangles  
 $0.5 \times 100 \times 10 \times 2 = 1,000 \text{ sf}$

area of removal  
 add 100 lf x 2 sides plus 20 feet for median nose to median area  
 $= 1000 + [(100 \times 2) + 20] = 1,220 \text{ SF}$

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	1220	\$0.49	\$597.80
356	SF	1000	\$6.00	\$6,000.00
407	LF	20	\$32.00	\$640.00
407	LF	220	\$32.00	\$7,040.00
0666 6035	LF	800	\$0.84	\$672.00
0636 & 0646	EACH	10	\$650.00	\$6,500.00
				<b>\$21,449.80</b>

## Median Island Detailed Estimate - LOCATION 3C-LC-CW-48

### Assumptions

along Markville east of Vantage  
 existing median to be partially removed and extended to the west to align with crosswalks  
 assume 1 tree to be removed and replaced  
 measured ex length from street view = 20 ft  
 measured proposed length from removal limit to past crosswalk = 50 ft  
 will match existing width measured 15 ft

remove existing conc pavement diff between ex and prop lengths (50 - 20) = 30  
 (plus couple of feet for curb and gutter)  
 remove existing conc C & G  
 remove ex median pavement  
 add median refuge conc pvmt  
 add conc curb across median refuge  
 add conc median pavement  
 conc C & G along Markville  
 add striping along median edges  
 add signs for median - assume 2 for PED Crossing one each side/direction of travel  
 remove and replace ex trees  
 topsoil for disturbed area

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	480	\$0.49	\$235.20
0104 6022	LF	30	\$7.62	\$228.60
209	SF	140	\$2.00	\$280.00
356	SF	150	\$6.33	\$949.50
407	LF	30	\$32.00	\$960.00
356	SF	200	\$6.00	\$1,200.00
407	LF	150	\$32.00	\$4,800.00
0666 6035	LF	150	\$0.84	\$126.00
0636 & 0646	EACH	2	\$650.00	\$1,300.00
639 & 900	EACH	1	\$2,768.00	\$2,768.00
0160 6003	SF	150	\$0.11	\$16.50
				<b>\$12,863.80</b>

removal area  
 =30 ft x 15 ft = 450 SF  
 plus C & G 2 ft x 15 ft long = 30 SF  
 TOTAL = 450+30 = 480 SF

area of median  
 35 x 10 = 350 sf  
 minus conc refuge pavement 10 ft wide x 15 ft medina width = 150 SF  
 TOTAL MEDIAN PVMT 350 - 150 = 200 SF

topsoil  
 assume 10 ft long x 15 ft wide = 150 SF

01606003	FURNISHING AND PLACING TOPSOIL (4")	SY	9	334,283.00	\$1.24	97	8,645,115.70	\$1.03 from TxDOT avg unit costs	1.03/9 = \$0.11/SF
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**Park Lane Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 4B				4B-PL-CW-74	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00
TXDOT	PED RAMP	EA	\$2,182.75	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	4	\$2,600.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	96	\$864.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500	1	\$9,500.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$5,646.75
CONSTRUCTION COST	TOTAL	\$15,146.75
ENGINEERING DESIGN	10%	\$1,514.68
GENERAL LANDSCAPING	4%	\$225.87
SWPPP	2%	\$112.94
TRAFFIC CONTROL	3%	\$169.40
MOBILIZATION	4%	\$246.20
FEDERAL CONTINGENCY	2%	\$348.32
OPCC	TOTAL	\$17,800.00
AVERAGE COST PER LF OF SIDEWALK		#DIV/0!
GRAND TOTAL FOR GROUP 4B		<b>\$2,459,200.00</b>



**Lovers Lane Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation 01 ← Improvement Number (matches 1 on Map)

OPCC 4C		UNIT	COST	4C-LL-VW-V02	
ENTITY	ITEM			QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00	1120	\$78,400.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72	50	\$1,986.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	2	\$4,365.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00	2	\$446.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$85,197.50
CONSTRUCTION COST	TOTAL	\$85,197.50
ENGINEERING DESIGN	10%	\$8,519.75
GENERAL LANDSCAPING	4%	\$3,407.90
SWPPP	2%	\$1,703.95
TRAFFIC CONTROL	3%	\$2,555.93
MOBILIZATION	4%	\$3,714.61
FEDERAL CONTINGENCY	2%	\$2,101.99
OPCC	TOTAL	\$107,300.00
AVERAGE COST PER LF OF SIDEWALK		\$95.80 PER LF
GRAND TOTAL FOR GROUP 4C		<b>\$476,900.00</b>

**Mockingbird Station**

<b>Improvement Code Legend: ID: 1A-PR-SW-01</b>	
1A ← Station Number	SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)
PR ← Station Abbreviation	01 ← Improvement Number (matches 1 on Map)

OPCC 4D				4D-MB-SW-19		4D-MB-SW-20		4D-MB-RP-24		4D-MB-SW-39		4D-MB-SW-46		4D-MB-CW-16	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	235	\$8,225.00	230	\$8,050.00	10	\$350.00	165	\$5,775.00	390	\$13,650.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00	10	\$200.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00	165	\$3,300.00	150	\$3,000.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00	100	\$10,000.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72	235	\$9,334.20	230	\$9,135.60	10	\$397.20	165	\$6,553.80	390	\$15,490.80		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	2	\$4,365.50	3	\$6,548.25	2	\$4,365.50		\$0.00	15	\$32,741.25		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44	1	\$8,444.44	1	\$8,444.44	1	\$8,444.44		\$0.00	8	\$67,555.52		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00	7	\$154,000.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00	2	\$1,144.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00	7	\$6,202.00	3	\$2,658.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00	4	\$892.00	1	\$223.00		\$0.00		\$0.00		\$0.00	1	\$223.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	4	\$2,600.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	100	\$900.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	16	\$960.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33	1	\$729.33		\$0.00		\$0.00		\$0.00	4	\$2,917.32		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL		\$38,192.47		\$45,059.29		\$13,757.14		\$15,628.80		\$290,498.89		\$4,683.00
CONSTRUCTION COST	TOTAL		\$38,192.47		\$45,059.29		\$13,757.14		\$15,628.80		\$290,498.89		\$4,683.00
ENGINEERING DESIGN	10%		\$3,819.25		\$4,505.93		\$1,375.71		\$1,562.88		\$29,049.89		\$468.30
GENERAL LANDSCAPING	4%		\$1,527.70		\$1,802.37		\$550.29		\$625.15		\$11,619.96		\$187.32
SWPPP	2%		\$763.85		\$901.19		\$275.14		\$312.58		\$5,809.98		\$93.66
TRAFFIC CONTROL	3%		\$1,145.77		\$1,351.78		\$412.71		\$468.86		\$8,714.97		\$140.49
MOBILIZATION	4%		\$1,665.19		\$1,964.59		\$599.81		\$681.42		\$12,665.75		\$204.18
FEDERAL CONTINGENCY	2%		\$942.28		\$1,111.70		\$339.42		\$385.59		\$7,167.19		\$115.54
OPCC	TOTAL		\$48,100.00		\$56,700.00		\$17,400.00		\$19,700.00		\$365,600.00		\$5,900.00
AVERAGE COST PER LF OF SIDEWALK			\$204.68 PER LF		\$246.52 PER LF		\$174.00 PER LF		\$119.39 PER LF		\$937.44 PER LF		#DIV/0!
GRAND TOTAL FOR GROUP 4D			\$513,400.00	Min Cost/LF	\$119.39 PER LF	Max Cost/LF	\$1740.00 PER LF						

















**White Rock Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 4F			4F-WR-SW-54		4F-WR-RP-65		4F-WR-SW-83		4F-WR-CW-101		4F-WR-CW-102		
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	160	\$5,600.00	135	\$4,725.00	1950	\$68,250.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00	135	\$2,700.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00	200	\$4,000.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00	200	\$8,000.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00	300	\$22,500.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00	100	\$10,000.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	SELECT FILL DIRT (EMPANKMENT)	CY	\$11.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00	30	\$1,191.60		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00	10	\$580.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	1	\$2,182.75		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22	1	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00	1	\$22,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00	1	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00	1	\$650.00	1	\$650.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00	192	\$1,728.00	192	\$1,728.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00	48	\$384.00	48	\$384.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$11,977.97	\$8,616.60	\$135,330.00	\$2,762.00	\$2,762.00
CONSTRUCTION COST	TOTAL	\$11,977.97	\$8,616.60	\$135,330.00	\$2,762.00	\$2,762.00
ENGINEERING DESIGN	10%	\$1,197.80	\$861.66	\$13,533.00	\$276.20	\$276.20
GENERAL LANDSCAPING	4%	\$479.12	\$344.66	\$5,413.20	\$110.48	\$110.48
SWPPP	2%	\$239.56	\$172.33	\$2,706.60	\$55.24	\$55.24
TRAFFIC CONTROL	3%	\$359.34	\$258.50	\$4,059.90	\$82.86	\$82.86
MOBILIZATION	4%	\$522.24	\$375.68	\$5,900.39	\$120.42	\$120.42
FEDERAL CONTINGENCY	2%	\$295.52	\$212.59	\$3,338.86	\$68.14	\$68.14
OPCC	TOTAL	\$15,100.00	\$10,900.00	\$170,300.00	\$3,500.00	\$3,500.00
AVERAGE COST PER LF OF SIDEWALK		\$94.38 PER LF	\$80.74 PER LF	\$87.33 PER LF	#DIV/0!	#DIV/0!
GRAND TOTAL FOR GROUP 4F		<b>\$1,232,700.00</b>				













## Median Island Detailed Estimate – LOCATION 5A-EC-CW-89

### Assumptions

this is at Corinth St and Avenue B across Corinth - north side  
 will reduce to 2 SB lanes and also reconstruct left turn pocket  
 on north side ex back to back left turn pockets so start lane reduction at Ave D  
 only lanes reduced from 3 to 2 will be for SB Corinth

remove ex conc rdwy pvmt  
 remove ex conc median pvmt  
 add conc pvmt thru refuge area  
 add median refuge median pvmt  
 add conc C & G along Corinth  
 add conc C & G across refuge island  
 add striping on north side to reduce to 2 lanes  
 add 1 painted left turn arrow  
 add signs north side @ lane reduction  
     lane ends advance sign s- 2, median nose sign - 1, left lane must turn left -1 total 4

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	2720	\$0.49	\$1,332.80
209	SF	640	\$2.00	\$1,280.00
454	SF	170	\$6.33	\$1,076.10
356	SF	2550	\$6.00	\$15,300.00
407	LF	34	\$32.00	\$1,088.00
407	LF	340	\$32.00	\$10,880.00
0666 6035	LF	208	\$0.84	\$174.72
0668 6019	EACH	1	\$495.00	\$495.00
0636 & 0646	EACH	4	\$650.00	\$2,600.00
				<b>\$34,226.62</b>

length of roadway pvmt to be removed = 160 LF  
 width of rdwy pvmt to be removed = only SB pvmt and 2 ft +/- on NB side = 17 ft  
 length of median pvmt to be removed = 160 LF  
 width of median pvmt to be removed = 4 ft

remove conc pvmt  $160 \times 17 = 2,720$  SF  
 remove median pvmt  $160 \times 4 = 640$  SF

conc pvmt - only for ped median refuge x'ing 10 ft wide x 17 ft wide = 170 SF  
 conc median pvmt 160 ft long x 17 ft wide minus conc median refuge area  
 $(160 \times 17) - 170 = 2720 - 170 = 2,550$  SF

median conc C & G  $17 \times 2 = 34$  LF  
 rdwy conc C & G  $(160 \times 2) + 20 = 340$  LF

striping SB Cornith 160 ft long plus diagonal stripes = 160 LF long  
 assume diagonal stripes ever 20 feet avg length 6 ft -  $(160/20) \times 6$  ft = 8 stripes x 6 ft long - 46 LF  
 therefore total striping -  $160 + 48 = 208$  LF

## Median Island Detailed Estimate – LOCATION 5A-EC-CW-90

### Assumptions

this is at Corinth St and Avenue B across Corinth on the south side  
 will reduce to 2 NB lanes and also construct left turn pocket  
 on south side short section of wide median so will start there for NB travel  
 only lanes reduced from 3 to 2 will be NB Corinth

remove ex conc rdwy pvmt  
 remove ex conc median pvmt  
 add conc pvmt thru refuge area  
 add median refuge median pvmt  
 add conc C & G along Corinth  
 add conc C & G across refuge island  
 add striping on south side to reduce to 2 lanes  
 add 1 painted left turn arrow  
 add signs south side @ lane reduction  
     lane ends advance sign s- 2, median nose sign - 1, left lane must turn left -1 total 4

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	3230	\$0.49	\$1,582.70
209	SF	760	\$2.00	\$1,520.00
454	SF	170	\$6.33	\$1,076.10
356	SF	3040	\$6.00	\$18,240.00
407	LF	400	\$32.00	\$12,800.00
407	LF	34	\$32.00	\$1,088.00
0666 6035	LF	250	\$0.84	\$210.00
0668 6019	EACH	1	\$495.00	\$495.00
0636 & 0646	EACH	4	\$650.00	\$2,600.00
				<b>\$39,611.80</b>

length of roadway pvmt to be removed = 190 LF  
 width of rdwy pvmt to be removed = only NB pvmt and 2 ft +/- on SB side = 17 ft  
 length of median pvmt to be removed = 190 LF  
 width of median pvmt to be removed = 4 ft +/-

remove conc pvmt 190 x 17 = 3,230 SF  
 remove median pvmt 190 x 4 = 760 SF

conc pvmt - only for ped median refuge x'ing 10 ft wide x 17 ft wide = 170 SF  
 conc median pvmt 190 ft long x 17 ft wide minus conc median refuge area  
 (190 x 17) - 190 = 3230 - 190 = 3,040 SF

median conc C & G 17 x 2 = 34 LF  
 rdwy conc C & G (190 x 2) + 20 = 400 LF

striping NB Corinth 190 ft long plus diagonal stripes = 190 LF long  
 assume diagonal stripes ever 20 feet avg length 6 ft - (190/20) x 6 ft = 10 stripes x 6 ft long - 60 LF  
 therefore total striping - 190 + 60 = 250 LF

topsoil  
 assume 10 ft long x 15 ft wide = 150 SF

01606003	FURNISHING AND PLACING SY TOPSOIL (4")	9	334,283.00	\$1.24	97	8,645,115.70	\$1.03 from TxDOT avg unit costs	1.03/9 = \$0.11/SF
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**Dallas Zoo Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Velgweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 5B				5B-DZ-SW-155		5B-DZ-SW-159	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	246	\$8,610.00	20	\$700.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00	75	\$3,000.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	2	\$4,365.50	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22	5	\$19,861.10		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44	1	\$8,444.44		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00	1	\$22,000.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$66,281.04	\$2,882.75
CONSTRUCTION COST	TOTAL	\$66,281.04	\$2,882.75
ENGINEERING DESIGN	10%	\$6,628.10	\$288.28
GENERAL LANDSCAPING	4%	\$2,651.24	\$115.31
SWPPP	2%	\$1,325.62	\$57.66
TRAFFIC CONTROL	3%	\$1,988.43	\$86.48
MOBILIZATION	4%	\$2,889.85	\$125.69
FEDERAL CONTINGENCY	2%	\$1,635.29	\$71.12
OPCC	TOTAL	\$83,400.00	\$3,700.00
AVERAGE COST PER LF OF SIDEWALK		\$339.02 PER LF	\$185.00 PER LF
GRAND TOTAL FOR GROUP 5B		<b>\$3,304,400.00</b>	



















## Median Island Detailed Estimate - LOCATION 5C-MO-CW-66

### Assumptions

EB Morrell at Moore st

add tear drop median 45 ft long and 10 ft at nose - est as 2 triangles

ex Morrell 2 lanes - extra wide lanes

remove ex conc pvmt plus couple of extra feet for C & G

add median refuge median rdwy conc x'ing

add median refuge median pvmt

add C & G across refuge

add C & G along Morrell

add striping west of tear drop median

add EB signs lane narrows -2 and median sign -1

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	540	\$0.49	\$264.60
454	SF	100	\$6.33	\$633.00
356	SF	350	\$6.00	\$2,100.00
407	LF	20	\$32.00	\$640.00
407	LF	110	\$32.00	\$3,520.00
0666 6035	LF	105	\$0.84	\$88.20
0636 & 0646	EACH	3	\$650.00	\$1,950.00
				<b>\$9,195.80</b>

area of conc refuge rdwy pvmt

10 ft wide x 10 ft long = 100 SF

area of median = assume 2 triangles minus conc median rdwy pvmt

$((0.5 \times 45) \times 10) \times 2 - 100 = 350$  SF

remove conc pvmt

add 45 lf x 2 sides plus 20 feet for median nose to median area

$350 + 100 + (45 \times 2) = 540$  SF

striping assume 45 long both sides plus diagonal striping @ 20 ctrs

dia stripe  $45/2 =$  say 3 x 5 ft avg length = 15 LF

total striping  $(45 \times 2) + 15 = 105$  LF

## Median Island Detailed Estimate - LOCATION 5C-MO-CW-67

### Assumptions

EB Morrell at Moore st

remove ex median and replace with 10 ft wide to match EB Morrell approach see 66

ex Morrell 2 lanes - extra wide lanes

assume no pre beacon since shown on 66

assume no lighting since shown on 66

median length will be from Moore to where it currently stops at RR x'ing

remove ex conc pvmt plus couple of extra feet for C & G

remove conc median pvmt

add median refuge median rdwy conc x'ing

add median refuge median pvmt

add C & G across refuge

add C & G along Morrell

add striping along edges of median median

add EB signs lane narrows -2 and median sign -1

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	350	\$0.49	\$171.50
209	SF	210	\$6.00	\$1,260.00
454	SF	140	\$6.33	\$886.20
356	SF	500	\$6.00	\$3,000.00
407	LF	20	\$32.00	\$640.00
407	LF	110	\$32.00	\$3,520.00
0666 6035	LF	120	\$0.84	\$100.80
0636 & 0646	EACH	3	\$650.00	\$1,950.00
				<b>\$11,528.50</b>

total length of new median = 50 LF

length of median pvmt to be removed = 35

therefore length of conc rdwy pvmt to be removed  $50 - 35 = 15$  LF

conc pvmt rem

15 LF x (10 wide + 4 ft for C & G) plus length of med for C & G each side 35 ft lg x 2ft wide x 2 sides

$[15 \times (10 + 4)] + (35 \times 2 \times 2)$

$210 + 140 = 350$  SF

remove conc median pvmt

$35 \times 6 = 210$  SF

median refuge rdwy conc pvmt  $(10+2+2) \times 10 = 140$  SF

new conc med pvmt

$50 \times 10 = 500$

striping - along each edge of median plus at each end

$(50 \times 2) + (10 \times 2) = 120$  LF

## Median Island Detailed Estimate - LOCATION 5C-MO-CW-68

### Assumptions

WB Morrell at Moore st

remove ex median and replace with 10 ft wide to match WB Morrell approach see 66

ex Morrell 2 lanes - extra wide lanes

assume no pre beacon since shown on 69

assume no lighting since shown on 69

median length will be from Woodbine to where it currently stops at RR x'ing

remove ex conc pvmt plus couple of extra feet for C & G

remove conc median pvmt

add median refuge median rdwy conc x'ing

add median refuge median pvmt

add C & G across refuge

add C & G along Morrell

add striping along edges of median median

add WSB signs lane narrows -2 and median sign -1

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	590	\$0.49	\$289.10
209	SF	318	\$6.00	\$1,908.00
454	SF	140	\$6.33	\$886.20
356	SF	800	\$6.00	\$4,800.00
407	LF	20	\$32.00	\$640.00
407	LF	110	\$32.00	\$3,520.00
0666 6035	LF	180	\$0.84	\$151.20
0636 & 0646	EACH	3	\$650.00	\$1,950.00
				<b>\$14,144.50</b>

total length of new median = 80 LF

length of median pvmt to be removed = 53

therefore length of conc rdwy pvmt to be removed  $80 - 53 = 27$  LF

conc pvmt rem

$27 \text{ LF} \times (10 \text{ wide} + 4 \text{ ft for C \& G})$  plus length of med for C & G each side  $53 \text{ ft lg} \times 2 \text{ft wide} \times 2 \text{ sides}$

$[27 \times (10 + 4)] + (53 \times 2 \times 2)$

$378 + 212 = 590 \text{ SF}$

remove conc median pvmt

$53 \times 6 = 318 \text{ SF}$

median refuge rdwy conc pvmt  $(10+2+2) \times 10 = 140 \text{ SF}$

new conc med pvmt

$80 \times 10 = 800 \text{ SF}$

striping - along each edge of median plus at each end

$(80 \times 2) + (10 \times 2) = 180 \text{ LF}$

## Median Island Detailed Estimate - LOCATION 5C-MO-CW-69

### Assumptions

WB Morrell at Woodbine Ave

add tear drop median 45 ft long and 10 ft at nose - est as 2 triangles

ex Morrell 2 lanes - extra wide lanes

will be same qtys.assumptions, etc. as 5C-MO-CW-66

remove ex conc pvmt plus couple of extra feet for C & G

add median refuge median rdwy conc x'ing

add median refuge median pvmt

add C & G across refuge

add C & G along Morrell

add striping west of tear drop median

add EB signs lane narrows -2 and median sign -1

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	540	\$0.49	\$264.60
454	SF	100	\$6.33	\$633.00
356	SF	350	\$6.00	\$2,100.00
407	LF	20	\$32.00	\$640.00
407	LF	110	\$32.00	\$3,520.00
0666 6035	LF	105	\$0.84	\$88.20
0636 & 0646	EACH	3	\$650.00	\$1,950.00
				<b>\$9,195.80</b>

area of conc refuge rdwy pvmt

10 ft wide x 10 ft long = 100 SF

area of median = assume 2 triangles minus conc median rdwy pvmt

$((05 \times 45) \times 10) \times 2 - 100 = 350$  SF

remove conc pvmt

add 45 lf x 2 sides plus 20 feet for median nose to median area

$350 + 100 + (45 \times 2) = 540$  SF

striping assume 45 long both sides plus diagonal striping @ 20 ctrs

dia stripe  $45/2 =$  say 3 x 5 ft avg length = 15 LF

total striping  $(45 \times 2) + 15 = 105$  LF

## Median Island Detailed Estimate - LOCATION 5C-MO-CW-108

### Assumptions

this is along Cornith st north of High Hill WB exit

will reduce to 2 SB lanes and also reconstruct shorter left turn pocket

will start where ex left turn pocket begins transition

only lanes reduced from 3 to 2 will be for SB Corinth

remove ex conc rdwy pvmt

remove ex conc median pvmt

add conc pvmt thru refuge area

add median refuge median pvmt

add conc C & G along Corinth

add conc C & G across refuge island

add striping on each side

add 1 painted left turn arrow

add signs north side @ lane reduction

left lane must turn left advance warning signs- 2, median nose sign - 1, left lane must turn left -1 total 4

length of roadway pvmt to be removed = 210 LF

width of rdwy pvmt to be removed = only SB pvmt and 2 ft +/- on NB side = 17 ft

length of median pvmt to be removed = 130 LF

width of median pvmt to be removed = 4 ft

length of new median pvmt = 130 LF

remove conc pvmt  $210 \times 17 = 3,570$  SF

remove median pvmt  $130 \times 4 = 520$  SF

conc pvmt - only for ped median refuge x'ing 10 ft wide x 17 ft wide = 170 SF

conc median pvmt 210 ft long x 17 ft wide minus conc median refuge area

$$(210 \times 17) - 170 = 3570 - 170 = 3,400 \text{ SF}$$

median conc C & G  $17 \times 2 = 34$  LF

rdwy conc C & G  $(210 \times 2) + 20 = 440$  LF

striping along Cornith SB start at drive to the north to High Hill along each side =  $415 \text{ LF} \times 2 = 830$  LF

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	3570	\$0.49	\$1,749.30
209	SF	520	\$2.00	\$1,040.00
454	SF	170	\$6.33	\$1,076.10
356	SF	3400	\$6.00	\$20,400.00
407	LF	440	\$32.00	\$14,080.00
407	LF	34	\$32.00	\$1,088.00
0666 6035	LF	830	\$0.84	\$697.20
0668 6019	EACH	1	\$495.00	\$495.00
0636 & 0646	EACH	4	\$650.00	\$2,600.00
				<b>\$43,225.60</b>

**Median Island Detailed Estimate - LOCATION 5C-MO-CW-108**

**Assumptions**

this is along Cornith st South of High Hill WB entrance  
 existing conc and grass median = remove conc and extend to the north at ADA ramp  
 remove/reset 1 light pole  
 no reduction in lanes required

remove ex conc rdwy pvmt  
 remove ex conc median pvmt  
 add conc pvmt thru refuge area  
 add median refuge median pvmt  
 add conc C & G along Corinth  
 add conc C & G across refuge island  
 add striping on each side  
 remove reset light pole (inc elec and fdn)

length of roadway pvmt to be removed = 30 LF  
 width of rdwy pvmt to be removed = 15 ft plus 2 ft +/- on each side for C & G = 19 ft  
 length of median pvmt to be removed = 12 LF  
 width of median pvmt to be removed = 15 ft  
 length of median pvmt and C & G to be built = 30 + 12 = 42

remov conc pvmt  
 30 x 19 = 570 SF  
 remo med pvmt  
 12 x 15 = 180 SF  
 conc pvmt thru refuge  
 10 x 10 = 100 SF  
 conc median pvmt  
 total median area (new) minus refuge conc pvmt area  
 total median area (new)  
 42 x 15 = 630 SF  
 new median minus refuge rdwy pvmt  
 630 - 100 = 530 SF

C & G along Cornith plus at nose  
 (42 x 2) + 15 = 99 LF  
 C & C across refuge pvmt  
 10 x 2 = 20 LF  
 striping along median will equal C & G total = 99

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	570	\$0.49	\$279.30
209	SF	180	\$2.00	\$360.00
454	SF	100	\$6.33	\$633.00
356	SF	530	\$6.00	\$3,180.00
407	LF	99	\$32.00	\$3,168.00
407	LF	20	\$32.00	\$640.00
0666 6035	LF	99	\$0.84	\$83.16
626A	EACH	1	\$2,329.00	\$2,329.00
				<b>\$10,672.46</b>

length of roadway pvmt to be removed = 210 LF  
 width of rdwy pvmt to be removed = only SB pvmt and 2 ft +/- on NB side = 17 ft  
 length of median pvmt to be removed = 130 LF  
 width of median pvmt to be removed = 4 ft  
 length of new median pvmt = 130 LF

remove conc pvmt 210 x 17 = 3,570 SF  
 remove median pvmt 130 x 4 = 520 SF

conc pvmt - only for ped median refuge x'ing 10 ft wide x 17 ft wide = 170 SF

conc median pvmt 210 ft long x 17 ft wide minus conc median refuge area  
 (210 x 17) - 170 = 3570 - 170 = 3,400 SF

median conc C & G 17 x 2 = 34 LF  
 rdwy conc C & G (210 x 2) + 20 = 440 LF

striping along Cornith SB start at drive to the north to High Hill along each side = 415 LF x 2 = 830 LF









Tyler Vernon Station

<b>Improvement Code Legend: ID: 1A-PR-SW-01</b>	
1A ← Station Number	SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)
PR ← Station Abbreviation	01 ← Improvement Number (matches 1 on Map)

OPCC 6A				6A-TV-SW-88		6A-TV-RP-89		6A-TV-SW-94		6A-TV-SW-97		6A-TV-RP-120		6A-TV-SW-122		6A-TV-SW-123		6A-TV-SW-125	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	500	\$17,500.00	55	\$1,925.00	150	\$5,250.00	145	\$5,075.00	30	\$1,050.00	20	\$700.00	70	\$2,450.00	35	\$1,225.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00	55	\$1,100.00		\$0.00	50	\$1,000.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00	60	\$4,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72	500	\$19,860.00		\$0.00	145	\$5,759.40		\$0.00		\$0.00	70	\$2,780.40		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00	1	\$3,518.00		\$0.00		\$0.00		\$0.00	1	\$3,518.00	1	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMP	EA	\$2,182.75		\$0.00		\$0.00	2	\$4,365.50	2	\$4,365.50	1	\$2,182.75	2	\$4,365.50		\$0.00	2	\$4,365.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22	6	\$23,833.32	1	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$22,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00	3	\$1,716.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$886.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$223.00	1	\$223.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00	50	\$2,650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$66,427.32	\$6,997.22	\$16,765.50	\$16,199.90	\$3,232.75	\$8,806.50	\$31,857.40	\$5,590.50
CONSTRUCTION COST	TOTAL	\$66,427.32	\$6,997.22	\$16,765.50	\$16,199.90	\$3,232.75	\$8,806.50	\$31,857.40	\$5,590.50
ENGINEERING DESIGN	10%	\$6,642.73	\$699.72	\$1,676.55	\$1,619.99	\$323.28	\$880.65	\$3,185.74	\$559.05
GENERAL LANDSCAPING	4%	\$2,657.09	\$279.89	\$670.62	\$648.00	\$129.31	\$352.26	\$1,274.30	\$223.62
SWPPP	2%	\$1,328.55	\$139.94	\$335.31	\$324.00	\$64.66	\$176.13	\$637.15	\$111.81
TRAFFIC CONTROL	3%	\$1,992.82	\$209.92	\$502.97	\$486.00	\$96.98	\$264.20	\$955.72	\$167.72
MOBILIZATION	4%	\$2,896.23	\$305.08	\$730.98	\$706.32	\$140.95	\$383.96	\$1,388.98	\$243.75
FEDERAL CONTINGENCY	2%	\$1,638.89	\$172.64	\$413.64	\$399.68	\$79.76	\$217.27	\$785.99	\$137.93
OPCC	TOTAL	\$83,600.00	\$8,900.00	\$21,100.00	\$20,400.00	\$4,100.00	\$11,100.00	\$40,100.00	\$7,100.00
AVERAGE COST PER LF OF SIDEWALK		\$167.20 PER LF	\$161.82 PER LF	\$140.67 PER LF	\$140.69 PER LF	\$136.67 PER LF	\$555.00 PER LF	\$572.86 PER LF	\$202.86 PER LF
GRAND TOTAL FOR GROUP 6A		\$3,917,300.00							











**Tyler Vernon Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 6A				6A-TV-CW-76		6A-TV-CW-77	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET	1	\$4,326.31		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	5	\$3,250.00	5	\$3,250.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	72	\$648.00	72	\$648.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00	12	\$720.00	12	\$720.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000	0.5	\$105,000.00	0.5	\$105,000.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL		\$8,944.31	\$4,618.00
CONSTRUCTION COST	TOTAL		\$113,944.31	\$109,618.00
ENGINEERING DESIGN	10%		\$11,394.43	\$10,961.80
GENERAL LANDSCAPING	4%		\$357.77	\$184.72
SWPPP	2%		\$178.89	\$92.36
TRAFFIC CONTROL	3%		\$268.33	\$138.54
MOBILIZATION	4%		\$389.97	\$201.34
FEDERAL CONTINGENCY	2%		\$2,530.67	\$2,423.94
<b>OPCC</b>	<b>TOTAL</b>		<b>\$129,100.00</b>	<b>\$123,700.00</b>
AVERAGE COST PER LF OF SIDEWALK			#DIV/0!	#DIV/0!
<b>GRAND TOTAL FOR GROUP 6A</b>			<b>\$3,917,300.00</b>	

## Median Island Detailed Estimate - 6A-TV-CW-63

### ASSUMPTIONS

On south side of Lebanon across Polk

will be oval and not tear drop due to close proximity of DART tracks

existing 2 lane road - narrow lanes up to include 10 ft wide refuge island

signs required

SB Polk will only be on on median showing arrow to keep right

NB polk will need road narrows signs - 2 and median sign - 1

total signs = 4

striping along along edges of new median

	ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
remove existing conc pvmt plus 4 extra ft for C & G	0104 6001	SF	420	\$0.49	\$205.80
add conc pvmt for refuge island	454	SF	100	\$6.33	\$633.00
add conc median pvmt refuge islanc	356	SF	200	\$6.00	\$1,200.00
add C & G across refuge island	407	LF	20	\$32.00	\$640.00
add C & G along refuge island	407	LF	60	\$32.00	\$1,920.00
add striping	0666 6035	LF	80	\$0.84	\$67.20
add signs	0636 & 0646	EACH	5	\$650.00	\$3,250.00
					<b>\$7,916.00</b>

total length of new median = 30 ft

remove conc pvmt

$(10+2+2) \times 30$

$14 \times 30 = 420 \text{ Sf}$

length of Refgue conc rdwy pvmt

$10 \times 10 = 100 \text{ SF}$

median pvmt new island minus refuge rdwy pvmt

$(30 \times 10) - 100$

$300 - 100 = 200 \text{ SF}$

C & G

refuge island

$10 \text{ LF} \times 2 \text{ sides} = 20 \text{ LF}$

along median along edges and also at ends

$(30 \times 2) + (10 \times 2) - (2 \times 10) \text{ median opg}$

$60 + 20 - 20 = 60 \text{ LF}$

signs - see above 5

striping - around median island

$(30 \times 2) + (10 \times 2)$

$60 + 20 = 80 \text{ LF}$

**Median Island Detailed Estimate - 6A-TV-CW-76**

**ASSUMPTIONS**

there is an existing concrete median - will need to rem ex median to add refuge space  
 will need to extend to the north to get 10 ft wide refuge plus couple of ft of new median nose at NB to WB Lebanon  
 do not want to have to adjust/relocate ex utilities on south end of ex median  
 will need to remove ex conc rdwy pvmt  
 no new rdwy pvmt req'd for this only refuge pvmt  
 existing RR X'ing arm to remain  
 add ADA ramp on west side of Tyler - if this is built then ramp needed if not then not req'd  
 cross walk striping shown on master = add striping ONLY along median disturbed  
 no signs required  
 assume no disruption to ex utilities in median

	ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
rem ex conc rdwy pvmt plus couple (4) ft for new C & G	0104 6001	SF	128	\$0.49	\$62.72
remove existing med pvmt	209	SF	96	\$2.00	\$192.00
add refuge conc rdwy pvmt	454	SF	100	\$6.33	\$633.00
add C & G across refuge	407	LF	20	\$32.00	\$640.00
add minor med pvmt due to const of refuge plus 2 ft at Lebanon	356	SF	48	\$6.00	\$288.00
add minor C & G along Tyler due to refuge construction	407	LF	16	\$32.00	\$512.00
add ADA ramp east side of Tyler	531 TxDOT	EACH	1	\$2,182.75	\$2,182.75
add striping along median - assume full length	0666 6035	LF	84	\$0.84	\$70.56
					<b>\$4,326.31</b>

remo conc rdwy pvmt

assume for length of total median req'd  
 assume 4 ft from ex MH, then 10 refuge x'ing then 2 ft new med pvmt plus 2 ft for new C & G  
 total length of median = 4 + 10 + 2 = 16 FT  
 measured length street view from MH to end ex med nose = 10 ft  
 therefore length of rdwy pvmt rem  
 16 ft med req'd - 10 ft ex med + 2 ft for new C & G  
 16 - 10 + 2 = 8 LF  
 avg ex med width measured = 12 LF  
 add 4 ft for new C & G  
 width of rdwy pvmt rem = 12 + 4 = 16 LF  
 rem conc rdwy pvmt  
 8 x 16 = 128 SF

remove conc med pvmt

take ex med length - stay 2 feet min from ex MH  
 10 - 2 = 8 ft long  
 width from above = 12  
 remo conc med pvmt 8 x 12 = 96 SF

conc rdwy pvmt at refuge

10 x 10 = 100 SF

C & G across refuge

10 x 2 = 20 LF

C & G along rdwy/med

2 ft from ex MH plus 2 ft at Lebanon plus 12 ft along nose  
 2 + 2 + 12 = 16 LF

new med conc pvmt 2 ft from ex mh +/- plus 2 ft at Lebanon nose

(2 + 2) x 12 = 48 SF

striping - assume replace around entire island

length from south nose to ex MH = 12 LF  
 total length would be 12 ft s nose to ex mh plus 10 ft ex mh to ex n nose med plus 8 ft length of rdwy pvmt removal  
 12 + 10 + 8 = 30 LF  
 width at nose = 12 LF  
 therefore length of striping  
 30 + 30 + 12 + 12 = 84 LF







**Hampton Station**

**Improvement Code Legend:** ID: 1A-PR-SW-01

1A ← Station Number	SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)
PR ← Station Abbreviation	01 ← Improvement Number (matches 1 on Map)

OPCC 6B		6B-HA-RP-81		6B-HA-SW-82		6B-HA-SW-83		6B-HA-SW-84		6B-HA-SW-86		6B-HA-SW-93		6B-HA-SW-99		6B-HA-SW-104			
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
DALLAS	SIDEWALK (5')	LF	\$35.00	50	\$1,750.00	75	\$2,625.00	130	\$4,550.00	115	\$4,025.00	370	\$12,950.00	420	\$14,700.00	15	\$525.00	825	\$28,875.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	50	\$1,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	420	\$16,682.40		\$0.00	825	\$32,769.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	40	\$2,320.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00		\$0.00	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75	2	\$4,365.50	1	\$2,182.75	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN REFUGE ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,972.22	1	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00	2	\$1,772.00	1	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00	2	\$1,772.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE/INSTALL)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>	TOTAL	\$2,750.00	\$4,397.00	\$7,618.75	\$6,207.75	\$19,104.97	\$45,558.12	\$2,707.75	\$65,598.75
<b>CONSTRUCTION COST</b>	TOTAL	\$2,750.00	\$4,397.00	\$7,618.75	\$6,207.75	\$19,104.97	\$45,558.12	\$2,707.75	\$65,598.75
ENGINEERING DESIGN	10%	\$275.00	\$439.70	\$761.88	\$620.78	\$1,910.50	\$4,555.81	\$270.78	\$6,559.88
GENERAL LANDSCAPING	4%	\$110.00	\$175.88	\$304.75	\$248.31	\$764.20	\$1,822.32	\$108.31	\$2,623.95
SWPPP	2%	\$55.00	\$87.94	\$152.38	\$124.16	\$382.10	\$911.16	\$54.16	\$1,311.98
TRAFFIC CONTROL	3%	\$82.50	\$131.91	\$228.56	\$186.23	\$573.15	\$1,366.74	\$81.23	\$1,967.96
MOBILIZATION	4%	\$119.90	\$191.71	\$332.18	\$270.66	\$832.98	\$1,986.33	\$118.06	\$2,860.11
FEDERAL CONTINGENCY	2%	\$67.85	\$108.48	\$187.97	\$153.16	\$471.36	\$1,124.01	\$66.81	\$1,618.45
<b>OPCC</b>	TOTAL	\$3,500.00	\$5,600.00	\$9,600.00	\$7,900.00	\$24,100.00	\$57,400.00	\$3,500.00	\$82,600.00
<b>AVERAGE COST PER LF OF SIDEWALK</b>		\$70.00 PER LF	\$74.67 PER LF	\$73.85 PER LF	\$68.70 PER LF	\$65.14 PER LF	\$136.67 PER LF	\$233.33 PER LF	\$100.12 PER LF
<b>GRAND TOTAL FOR GROUP 6B</b>		\$1,286,200.00							





**Hampton Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**

1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veiloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 6B		UNIT	COST	6B-HA-SW-135	6B-HA-SW-136	6B-HA-SW-137	6B-HA-SW-138	6B-HA-RP-152	6B-HA-SW-156	6B-HA-SW-157	6B-HA-SW-161								
ENTITY	ITEM			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST								
DALLAS	SIDEWALK (5')	LF	\$35.00	25	\$875.00	25	\$875.00	30	\$1,050.00	25	\$875.00	25	\$875.00	55	\$1,925.00	310	\$10,850.00	160	\$5,600.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00	25	\$500.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75		\$0.00	3	\$6,548.25	3	\$6,548.25
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN REFUGE ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00	1	\$886.00		\$0.00		\$0.00		\$0.00	1	\$886.00	5	\$4,430.00	2	\$1,772.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00	2	\$446.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00	1	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE/INSTALL)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00	1	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>	TOTAL		\$3,943.75	\$3,057.75	\$3,232.75	\$7,873.08	\$3,557.75	\$2,811.00	\$21,828.25	\$13,920.25
<b>CONSTRUCTION COST</b>	TOTAL		\$3,943.75	\$3,057.75	\$3,232.75	\$7,873.08	\$3,557.75	\$2,811.00	\$21,828.25	\$13,920.25
<b>ENGINEERING DESIGN</b>	10%		\$394.38	\$305.78	\$323.28	\$787.31	\$355.78	\$281.10	\$2,182.83	\$1,392.03
<b>GENERAL LANDSCAPING</b>	4%		\$157.75	\$122.31	\$129.31	\$314.92	\$142.31	\$112.44	\$873.13	\$556.81
<b>SWPPP</b>	2%		\$78.88	\$61.16	\$64.66	\$157.46	\$71.16	\$56.22	\$436.57	\$278.41
<b>TRAFFIC CONTROL</b>	3%		\$118.31	\$91.73	\$96.98	\$236.19	\$106.73	\$84.33	\$654.85	\$417.61
<b>MOBILIZATION</b>	4%		\$171.95	\$133.32	\$140.95	\$343.27	\$155.12	\$122.56	\$951.71	\$606.92
<b>FEDERAL CONTINGENCY</b>	2%		\$97.30	\$75.44	\$79.76	\$194.24	\$87.78	\$69.35	\$538.55	\$343.44
<b>OPCC</b>	TOTAL		\$5,000.00	\$3,900.00	\$4,100.00	\$10,000.00	\$4,500.00	\$3,600.00	\$27,500.00	\$17,600.00
<b>AVERAGE COST PER LF OF SIDEWALK</b>			\$200.00 PER LF	\$156.00 PER LF	\$136.67 PER LF	\$400.00 PER LF	\$180.00 PER LF	\$65.45 PER LF	\$88.71 PER LF	\$110.00 PER LF
<b>GRAND TOTAL FOR GROUP 6B</b>			\$1,286,200.00							



**Hampton Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Ve[loweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 6B				6B-HA-RP-186		6B-HA-RP-187		6B-HA-VW-V01		6B-HA-CW-87		6B-HA-CW-88		6B-HA-CW-89		6B-HA-CW-90		6B-HA-CW-91	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	25	\$875.00	20	\$700.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00	270	\$18,900.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	25	\$500.00	20	\$400.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	1	\$2,182.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$2,182.75	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN REFUGE ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$8,365.35	1	\$8,365.35
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00	2	\$1,772.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	2	\$1,300.00	2	\$1,300.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00	96	\$864.00	168	\$1,512.00	96	\$864.00	60	\$540.00	60	\$540.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE/INSTALL)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL		\$3,557.75	\$2,872.00	\$18,900.00	\$864.00	\$1,512.00	\$864.00	\$12,388.10	\$12,388.10
CONSTRUCTION COST	TOTAL		\$3,557.75	\$2,872.00	\$18,900.00	\$864.00	\$1,512.00	\$864.00	\$12,388.10	\$12,388.10
ENGINEERING DESIGN	10%		\$355.78	\$287.20	\$1,890.00	\$86.40	\$151.20	\$86.40	\$1,238.81	\$1,238.81
GENERAL LANDSCAPING	4%		\$142.31	\$114.88	\$756.00	\$34.56	\$60.48	\$34.56	\$495.52	\$495.52
SWPPP	2%		\$71.16	\$57.44	\$378.00	\$17.28	\$30.24	\$17.28	\$247.76	\$247.76
TRAFFIC CONTROL	3%		\$106.73	\$86.16	\$567.00	\$25.92	\$45.36	\$25.92	\$371.64	\$371.64
MOBILIZATION	4%		\$155.12	\$125.22	\$824.04	\$37.67	\$65.92	\$37.67	\$540.12	\$540.12
FEDERAL CONTINGENCY	2%		\$87.78	\$70.86	\$466.30	\$21.32	\$37.30	\$21.32	\$305.64	\$305.64
OPCC	TOTAL		\$4,500.00	\$3,700.00	\$23,800.00	\$1,100.00	\$2,000.00	\$1,100.00	\$15,600.00	\$15,600.00
AVERAGE COST PER LF OF SIDEWALK			\$180.00 PER LF	\$185.00 PER LF	\$88.15 PER LF	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>GRAND TOTAL FOR GROUP 6B</b>			<b>\$1,286,200.00</b>							

**Hampton Station**

**Improvement Code Legend; ID: 1A-PR-SW-01**

1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 6B			6B-HA-CW-92		6B-HA-CW-105		6B-HA-CW-133		
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	2	\$4,365.50		\$0.00		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00
N/A	MEDIAN REFUGE ISLAND	EA	SEE OTHER SHEET	1	\$8,365.35		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	2	\$1,300.00		\$0.00	4	\$2,600.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	60	\$540.00	168	\$1,512.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00	24	\$1,440.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE/INSTALL)	LF	\$53.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00	1	\$200,000.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL		\$14,570.85		\$1,512.00		\$4,040.00
CONSTRUCTION COST	TOTAL		\$14,570.85		\$1,512.00		\$204,040.00
ENGINEERING DESIGN	10%		\$1,457.09		\$151.20		\$20,404.00
GENERAL LANDSCAPING	4%		\$582.83		\$60.48		\$161.60
SWPPP	2%		\$291.42		\$30.24		\$80.80
TRAFFIC CONTROL	3%		\$437.13		\$45.36		\$121.20
MOBILIZATION	4%		\$635.29		\$65.92		\$176.14
FEDERAL CONTINGENCY	2%		\$359.49		\$37.30		\$4,499.67
<b>OPCC</b>	TOTAL		\$18,400.00		\$2,000.00		\$229,500.00
AVERAGE COST PER LF OF SIDEWALK			#DIV/0!		#DIV/0!		#DIV/0!
<b>GRAND TOTAL FOR GROUP 6B</b>			<b>\$1,286,200.00</b>				

## Median Island Detailed Estimate - Location 6B-HA-CW-90

### Assumptions

across Wright St. south side at Hollywood  
 existing 2 lane road narrow lanes to add median  
 will be tear drop shape 45 ft long and 10 ft wide  
 add striping along Wright next to median  
 add advance striping south of median  
 add advance signs south of median road narrows -2 median sign -1

remove conc pvmt plus 4 ft for new C & G  
 add conc rdwy pvmt for refuge  
 add conc median pvmt refuge island  
 add C & G along Wright  
 add C & G across refuge island  
 add striping  
 add signs

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	315	\$0.49	\$154.35
454	SF	100	\$6.33	\$633.00
356	SF	350	\$6.00	\$2,100.00
407	LF	85	\$32.00	\$2,720.00
407	LF	20	\$32.00	\$640.00
0666 6035	LF	200	\$0.84	\$168.00
0636 & 0646	EACH	3	\$650.00	\$1,950.00
				<b>\$8,365.35</b>

rem conc rdwy pvmt  
 assume 2 triangles 45 ft long by 5 ft wide - half of 10 ft total width  
 add 3 ft to width for C & G

$$[0.5 \times (45 \times 7)] \times 2$$

$$(0.5 \times 315) \times 2 = 315 \text{ SF}$$

median refuge rdwy pvmt  
 $10 \times 10 = 100 \text{ SF}$

conc median pvmt

take area of median minus refuge rdwy pvmt  
 $[0.5 \times (45 \times 10)] \times 2 \text{ minus } 100 \text{ SF}$   
 $(0.5 \times 450) \times 2 \text{ minus } 100 \text{ SF}$   
 $450 - 100 = 350$

curb along Wright

length minus median rdwy pvmt width - 10 ft times 2 plus 15 for nose  
 $[(45 - 10) \times 2] + 15$   
 $(35 \times 2) + 15 = 85 \text{ LF}$

striping

along median edges plus triangle approaching from the west directing traffic around island - both sides  
 around median  
 $45 + 45 + 10 = 100 \text{ LF}$   
 approach trianlge - assume 50 ft long  
 $50 + 50 = 100 \text{ LF}$   
 TOTAL STRIPING  $100 + 100 = 200 \text{ LF}$

## Median Island Detailed Estimate - Location 6B-HA-CW-91

### Assumptions

across Wright St. north side at Hollywood

will be same as 6B-HA-CW-90

existing 2 lane road narrow lanes to add median

will be tear drop shape 45 ft long and 10 ft wide

add striping along Wright next to median

add advance striping south of median

add advance signs south of median road narrows -2 median sign -1

remove conc pvmt plus 4 ft for new C & G

add conc rdwy pvmt for refuge

add conc median pvmt refuge island

add C & G along Wright

add C & G across refuge island

add striping

add signs

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	315	\$0.49	\$154.35
454	SF	100	\$6.33	\$633.00
356	SF	350	\$6.00	\$2,100.00
407	LF	85	\$32.00	\$2,720.00
407	LF	20	\$32.00	\$640.00
0666 6035	LF	200	\$0.84	\$168.00
0636 & 0646	EACH	3	\$650.00	\$1,950.00
				<b>\$8,365.35</b>

rem conc rdwy pvmt

assume 2 triangles 45 ft long by 5 ft wide - half of 10 ft total width

add 3 ft to width for C & G

$$[0.5 \times (45 \times 7)] \times 2$$

$$(0.5 \times 315) \times 2 = 315 \text{ SF}$$

median refuge rdwy pvmt

$$10 \times 10 = 100 \text{ SF}$$

conc median pvmt

take area of median minus refuge rdwy pvmt

$$[0.5 \times (45 \times 10)] \times 2 \text{ minus } 100 \text{ SF}$$

$$(0.5 \times 450) \times 2 \text{ minus } 100 \text{ SF}$$

$$450 - 100 = 350$$

curb along Wright

length minus median rdwy pvmt width - 10 ft times 2 plus 15 for nose

$$[(45 - 10) \times 2] + 15$$

$$(35 \times 2) + 15 = 85 \text{ LF}$$

striping

along median edges plus triangle approaching from the west directing traffic around island - both sides around median

$$45 + 45 + 10 = 100 \text{ LF}$$

approach triangle - assume 50 ft long

$$50 + 50 = 100 \text{ LF}$$

$$\text{TOTAL STRIPING } 100 + 100 = 200 \text{ LF}$$

## Median Island Detailed Estimate - Location 6B-HA-CW-92

### Assumptions

across Wright St. south side at Montreal

will be same as 6B-HA-CW-90

existing 2 lane road narrow lanes to add median

will be tear drop shape 45 ft long and 10 ft wide

add striping along Wright next to median

add advance striping south of median

add advance signs south of median road narrows -2 median sign -1

remove conc pvmt plus 4 ft for new C & G

add conc rdwy pvmt for refuge

add conc median pvmt refuge island

add C & G along Wright

add C & G across refuge island

add striping

add signs

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	315	\$0.49	\$154.35
454	SF	100	\$6.33	\$633.00
356	SF	350	\$6.00	\$2,100.00
407	LF	85	\$32.00	\$2,720.00
407	LF	20	\$32.00	\$640.00
0666 6035	LF	200	\$0.84	\$168.00
0636 & 0646	EACH	3	\$650.00	\$1,950.00
				<b>\$8,365.35</b>

rem conc rdwy pvmt

assume 2 triangles 45 ft long by 5 ft wide - half of 10 ft total width

add 3 ft to width for C & G

$$[0.5 \times (45 \times 7)] \times 2$$

$$(0.5 \times 315) \times 2 = 315 \text{ SF}$$

median refuge rdwy pvmt

$$10 \times 10 = 100 \text{ SF}$$

conc median pvmt

take area of median minus refuge rdwy pvmt

$$[0.5 \times (45 \times 10)] \times 2 \text{ minus } 100 \text{ SF}$$

$$(0.5 \times 450) \times 2 \text{ minus } 100 \text{ SF}$$

$$450 - 100 = 350$$

curb along Wright

length minus median rdwy pvmt width - 10 ft times 2 plus 15 for nose

$$[(45 - 10) \times 2] + 15$$

$$(35 \times 2) + 15 = 85 \text{ LF}$$

striping

along median edges plus triangle approaching from the west directing traffic around island - both sides around median

$$45 + 45 + 10 = 100 \text{ LF}$$

approach triangle - assume 50 ft long

$$50 + 50 = 100 \text{ LF}$$

$$\text{TOTAL STRIPING } 100 + 100 = 200 \text{ LF}$$





**Westmoreland Station**

<b>Improvement Code Legend: ID: 1A-PR-SW-01</b>			
1A ← Station Number	SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)		
PR ← Station Abbreviation	01 ← Improvement Number (matches <a href="#">1</a> on Map)		

OPCC 6C				6C-WM-SW-67		6C-WM-SW-68		6C-WM-RP-69		6C-WM-SW-70		6C-WM-RP-71		6C-WM-RP-73		6C-WM-RP-74		6C-WM-RP-75	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	5	\$175.00	295	\$10,325.00	40	\$1,400.00	280	\$9,800.00	40	\$1,400.00	35	\$1,225.00	40	\$1,400.00	110	\$3,850.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00	40	\$800.00		\$0.00	40	\$800.00	35	\$700.00	40	\$800.00	110	\$2,200.00
DALLAS	STREET EXCAVATION	CY	\$37.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLET (10')	EA	\$3,038.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00	4	\$8,731.00		\$0.00	2	\$4,365.50		\$0.00		\$0.00		\$0.00	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00	1	\$886.00		\$0.00	1	\$886.00		\$0.00	1	\$886.00	2	\$1,772.00		\$0.00	1	\$886.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED/REMOVED	EA	\$223.00		\$0.00	1	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>	TOTAL		\$1,061.00	\$19,279.00	\$3,086.00	\$14,165.50	\$3,086.00	\$3,697.00	\$2,200.00	\$9,118.75
<b>CONSTRUCTION COST</b>	TOTAL		\$1,061.00	\$19,279.00	\$3,086.00	\$14,165.50	\$3,086.00	\$3,697.00	\$2,200.00	\$9,118.75

<b>ENGINEERING DESIGN</b>	10%		\$106.10	\$1,927.90	\$308.60	\$1,416.55	\$308.60	\$369.70	\$220.00	\$911.88
<b>GENERAL LANDSCAPING</b>	4%		\$42.44	\$771.16	\$123.44	\$566.62	\$123.44	\$147.88	\$88.00	\$364.75
<b>SWPPP</b>	2%		\$21.22	\$385.58	\$61.72	\$283.31	\$61.72	\$73.94	\$44.00	\$182.38
<b>TRAFFIC CONTROL</b>	3%		\$31.83	\$578.37	\$92.58	\$424.97	\$92.58	\$110.91	\$66.00	\$273.56
<b>MOBILIZATION</b>	4%		\$46.26	\$840.56	\$134.55	\$617.62	\$134.55	\$161.19	\$95.92	\$397.58

<b>FEDERAL CONTINGENCY</b>	2%		\$26.18	\$475.65	\$76.14	\$349.49	\$76.14	\$91.21	\$54.28	\$224.98
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<b>OPCC</b>	TOTAL		\$1,400.00	\$24,300.00	\$3,900.00	\$17,900.00	\$3,900.00	\$4,700.00	\$2,800.00	\$11,500.00
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<b>AVERAGE COST PER LF OF SIDEWALK</b>			\$280.00 PER LF	\$82.37 PER LF	\$97.50 PER LF	\$63.93 PER LF	\$97.50 PER LF	\$134.29 PER LF	\$70.00 PER LF	\$104.55 PER LF
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<b>GRAND TOTAL FOR GROUP 6C</b>			<b>\$2,937,300.00</b>							
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**Westmoreland Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 6C		UNIT	COST	6C-WM-RP-76	6C-WM-SW-77	6C-WM-SW-78	6C-WM-SW-79	6C-WM-SW-80	6C-WM-SW-81	6C-WM-SW-82	6C-WM-SW-86								
ENTITY	ITEM			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
DALLAS	SIDEWALK (5')	LF	\$35.00	165	\$5,775.00	155	\$5,425.00	225	\$7,875.00	90	\$3,150.00	310	\$10,850.00	420	\$14,700.00	20	\$700.00	5	\$175.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	165	\$3,300.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	STREET EXCAVATION	CY	\$37.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	420	\$16,682.40		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLET (10')	EA	\$3,038.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,038.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	5	\$290.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75		\$0.00		\$0.00	1	\$2,182.75	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$886.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED/REMOVED	EA	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$223.00	1	\$223.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$11,257.75	\$7,607.75	\$10,057.75	\$5,332.75	\$11,736.00	\$35,577.62	\$6,433.75	\$2,357.75
CONSTRUCTION COST	TOTAL	\$11,257.75	\$7,607.75	\$10,057.75	\$5,332.75	\$11,736.00	\$35,577.62	\$6,433.75	\$2,357.75
ENGINEERING DESIGN	10%	\$1,125.78	\$760.78	\$1,005.78	\$533.28	\$1,173.60	\$3,557.76	\$643.38	\$235.78
GENERAL LANDSCAPING	4%	\$450.31	\$304.31	\$402.31	\$213.31	\$469.44	\$1,423.10	\$257.35	\$94.31
SWPPP	2%	\$225.16	\$152.16	\$201.16	\$106.66	\$234.72	\$711.55	\$128.68	\$47.16
TRAFFIC CONTROL	3%	\$337.73	\$228.23	\$301.73	\$159.98	\$352.08	\$1,067.33	\$193.01	\$70.73
MOBILIZATION	4%	\$490.84	\$331.70	\$438.52	\$232.51	\$511.69	\$1,551.18	\$280.51	\$102.80
FEDERAL CONTINGENCY	2%	\$277.75	\$187.70	\$248.14	\$131.57	\$289.55	\$877.77	\$158.73	\$58.17
OPCC	TOTAL	\$14,200.00	\$9,600.00	\$12,700.00	\$6,800.00	\$14,800.00	\$44,800.00	\$8,100.00	\$3,000.00
AVERAGE COST PER LF OF SIDEWALK		\$86.06 PER LF	\$61.94 PER LF	\$56.44 PER LF	\$75.56 PER LF	\$47.74 PER LF	\$106.67 PER LF	\$405.00 PER LF	\$600.00 PER LF
GRAND TOTAL FOR GROUP 6C		\$2,937,300.00							

**Westmoreland Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 6C				6C-WM-RP-92		6C-WM-SW-95		6C-WM-SW-103		6C-WM-RP-106		6C-WM-SW-107		6C-WM-SW-109		6C-WM-SW-121		6C-WM-SW-122	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	60	\$2,100.00	1445	\$50,575.00	65	\$2,275.00	95	\$3,325.00	45	\$1,575.00	5	\$175.00	710	\$24,850.00	250	\$8,750.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	60	\$1,200.00		\$0.00		\$0.00	95	\$1,900.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	STREET EXCAVATION	CY	\$37.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00	1445	\$57,395.40		\$0.00		\$0.00		\$0.00		\$0.00	710	\$28,201.20	250	\$9,930.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,518.00
DALLAS	DRAINAGE INLET (10')	EA	\$3,038.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	1	\$2,182.75	5	\$10,913.75	2	\$4,365.50	8	\$17,462.00	2	\$4,365.50	1	\$2,182.75	4	\$8,731.00	6	\$13,096.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00	8	\$31,777.76		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00	4	\$33,777.76		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$22,000.00	2	\$44,000.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$886.00	1	\$886.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$120,000.00
DALLAS	TRAFFIC SIGNS RELOCATED/REMOVED	EA	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>	TOTAL		\$5,482.75	\$150,661.91	\$6,640.50	\$56,464.76	\$5,940.50	\$24,357.75	\$106,668.20	\$156,180.50
<b>CONSTRUCTION COST</b>	TOTAL		\$5,482.75	\$150,661.91	\$6,640.50	\$56,464.76	\$5,940.50	\$24,357.75	\$106,668.20	\$156,180.50
<b>ENGINEERING DESIGN</b>	10%		\$548.28	\$15,066.19	\$664.05	\$5,646.48	\$594.05	\$2,435.78	\$10,666.82	\$15,618.05
<b>GENERAL LANDSCAPING</b>	4%		\$219.31	\$6,026.48	\$265.62	\$2,258.59	\$974.31	\$4,266.73	\$6,247.22	
<b>SWPPP</b>	2%		\$109.66	\$3,013.24	\$132.81	\$1,129.30	\$118.81	\$487.16	\$2,133.36	\$3,123.61
<b>TRAFFIC CONTROL</b>	3%		\$164.48	\$4,519.86	\$199.22	\$1,693.94	\$178.22	\$730.73	\$3,200.05	\$4,685.42
<b>MOBILIZATION</b>	4%		\$239.05	\$6,568.86	\$289.53	\$2,461.86	\$259.01	\$1,062.00	\$4,650.73	\$6,809.47
<b>FEDERAL CONTINGENCY</b>	2%		\$135.27	\$3,717.13	\$163.83	\$1,393.10	\$146.56	\$600.95	\$2,631.72	\$3,853.29
<b>OPCC</b>	TOTAL		\$6,900.00	\$189,600.00	\$8,400.00	\$71,100.00	\$7,500.00	\$30,700.00	\$134,300.00	\$196,600.00
<b>AVERAGE COST PER LF OF SIDEWALK</b>			\$115.00 PER LF	\$131.21 PER LF	\$129.23 PER LF	\$748.42 PER LF	\$166.67 PER LF	\$614.00 PER LF	\$189.15 PER LF	\$786.40 PER LF
<b>GRAND TOTAL FOR GROUP 6C</b>			<b>\$2,937,300.00</b>							

**Westmoreland Station**

<b>Improvement Code Legend: ID: 1A-PR-SW-01</b>			
1A ← Station Number	SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)		
PR ← Station Abbreviation	01 ← Improvement Number (matches <span style="border: 1px solid black; padding: 0 2px;">1</span> on Map)		

OPCC 6C				6C-WM-SW-123		6C-WM-SW-128		6C-WM-SW-129		6C-WM-SW-132		6C-WM-SW-134		6C-WM-SW-120		6C-WM-CW-36		6C-WM-CW-37	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	785	\$27,475.00	120	\$4,200.00	40	\$1,400.00	1320	\$46,200.00	1410	\$49,350.00	435	\$15,225.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	STREET EXCAVATION	CY	\$37.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	20	\$740.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLET (10')	EA	\$3,038.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00	2	\$4,365.50	2	\$4,365.50	16	\$34,924.00	20	\$43,655.00	2	\$4,365.50	2	\$4,365.50	2	\$4,365.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00	1	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00	1	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00	1	\$886.00	4	\$3,544.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00	1	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED/REMOVED	EA	\$223.00		\$0.00	1	\$223.00		\$0.00	1	\$223.00	1	\$223.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	6	\$3,900.00	6	\$3,900.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	12	\$720.00	12	\$720.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33	1	\$729.33		\$0.00	1	\$729.33	3	\$2,187.99		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0.5	\$100,000.00	0.5	\$100,000.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>	TOTAL	\$28,204.33	\$8,788.50	\$125,765.50	\$91,978.77	\$98,959.99	\$20,330.50	\$8,985.50	\$8,985.50
<b>CONSTRUCTION COST</b>	TOTAL	\$28,204.33	\$8,788.50	\$125,765.50	\$91,978.77	\$98,959.99	\$20,330.50	\$108,985.50	\$108,985.50
<b>ENGINEERING DESIGN</b>	10%	\$2,820.43	\$878.85	\$12,576.55	\$9,197.88	\$9,896.00	\$2,033.05	\$10,898.55	\$10,898.55
<b>GENERAL LANDSCAPING</b>	4%	\$1,128.17	\$351.54	\$5,030.62	\$3,679.15	\$3,958.40	\$813.22	\$359.42	\$359.42
<b>SWPPP</b>	2%	\$564.09	\$175.77	\$2,515.31	\$1,839.58	\$1,979.20	\$406.61	\$179.71	\$179.71
<b>TRAFFIC CONTROL</b>	3%	\$846.13	\$263.66	\$3,772.97	\$2,759.36	\$2,968.80	\$609.92	\$269.57	\$269.57
<b>MOBILIZATION</b>	4%	\$1,229.71	\$383.18	\$5,483.38	\$4,010.27	\$4,314.66	\$886.41	\$391.77	\$391.77
<b>FEDERAL CONTINGENCY</b>	2%	\$695.86	\$216.83	\$3,102.89	\$2,269.30	\$2,441.54	\$501.59	\$2,421.69	\$2,421.69
<b>OPCC</b>	TOTAL	\$35,500.00	\$11,100.00	\$158,300.00	\$115,800.00	\$124,600.00	\$25,600.00	\$123,600.00	\$123,600.00
<b>AVERAGE COST PER LF OF SIDEWALK</b>		\$45.22 PER LF	\$92.50 PER LF	\$3957.50 PER LF	\$87.73 PER LF	\$88.37 PER LF	\$58.85 PER LF	#DIV/0!	#DIV/0!
<b>GRAND TOTAL FOR GROUP 6C</b>		<b>\$2,937,300.00</b>							



**Westmoreland Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 6C				6C-WM-CW-102		6C-WM-CW-104		6C-WM-CW-112	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00
DALLAS	STREET EXCAVATION	CY	\$37.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLET (10')	EA	\$3,038.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00	2	\$4,365.50		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED/REMOVED	EA	\$223.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	2	\$1,300.00		\$0.00	6	\$3,900.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	180	\$1,620.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00	12	\$720.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000	1	\$24,000.00	1	\$24,000.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00	0.5	\$100,000.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$2,920.00	\$4,365.50	\$4,620.00
CONSTRUCTION COST	TOTAL	\$26,920.00	\$28,365.50	\$104,620.00
ENGINEERING DESIGN	10%	\$2,692.00	\$2,836.55	\$10,462.00
GENERAL LANDSCAPING	4%	\$116.80	\$174.62	\$184.80
SWPPP	2%	\$58.40	\$87.31	\$92.40
TRAFFIC CONTROL	3%	\$87.60	\$130.97	\$138.60
MOBILIZATION	4%	\$127.31	\$190.34	\$201.43
FEDERAL CONTINGENCY	2%	\$600.04	\$635.71	\$2,313.98
OPCC	TOTAL	\$30,700.00	\$32,500.00	\$118,100.00
AVERAGE COST PER LF OF SIDEWALK		#DIV/0!	#DIV/0!	#DIV/0!
GRAND TOTAL FOR GROUP 6C		\$2,937,300.00		

## Median Island Detailed Estimate - 6C-WM-CW-85

### ASSUMPTIONS

based on email with Josh 4/8/2020 @ 7:23 PM  
 refuge island will be 8 ft wide and 25 long per email  
 relocate ex drive on NE corner of Rockford to east of Ravinia  
 construct new ADA ramp to replace one with ex drive  
 add median nose signs each end as well as road narrows signs NB and SB Ravinia 4 total  
 add striping around new island and on SB approach to median

rem ex conc rdwy pvmt plus couple (4) ft for new C & G  
 add refuge conc rdwy pvmt  
 conc refuge med pvmt  
 add C & G across refuge  
 add C & G along median edges  
 remove ex res driveway pvmt this was for apron  
 remove ex res drive pvmt \$71/sy divided by 9 = \$7.89/SF  
 add res conc driveway only for apron  
 add res driveway conc pvmt \$72/SY divided by 9 = \$8/SY  
 add ADA ramp  
 add striping along new median  
 add signs

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	350	\$0.49	\$171.50
454	SF	100	\$6.33	\$633.00
356	SF	50	\$6.00	\$300.00
407	LF	20	\$32.00	\$640.00
407	LF	46	\$32.00	\$1,472.00
201	EACH	1	\$1,972.22	\$1,972.22
201	SF	350	\$7.89	\$2,761.50
457	EACH	1	\$2,000.00	\$2,000.00
457	SF	350	\$9.00	\$3,150.00
531 TxDOT	EACH	1	\$2,182.75	\$2,182.75
0666 6035	LF	66	\$0.84	\$55.44
0636 & 0646	EACH	4	\$650.00	\$2,600.00
				<b>\$17,938.41</b>

remove conc rdwy pvmt  
 8 ft wide + 4 ft C & G = 12 ft wide  
 25 ft long + 4 ft C & G = 29 LF  
 total rem 29 x 12 = 348 SF

conc rdwy refuge pvmt  
 10 x 10 = 100 SF

conc refuge med pvmt  
 take total width req'd minus refuge rdwy pvmt  
 (25 x 8) - 100 = 100 SF

C & G across refuge med  
 10 x 2 = 20 LF

C & G along median  
 take total length plus end minus refuge width times each side  
 (25 + 8 - 10) x 2  
 23 x 2 = 46 LF

striping around median go thru refuge leaveout  
 25 + 25 + 8 + 8 = 66 LF

rem driveway pvmt SF measure street view  
 length = 35 ft  
 width = 10 ft  
 therefore rem 35 x 10 = 350 SF

prop driveway pvmt = removal area = 350 SF

**Illinois Station**

<b>Improvement Code Legend; ID: 1A-PR-SW-01</b>	
1A ← Station Number	SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)
PR ← Station Abbreviation	01 ← Improvement Number (matches 1 on Map)

OPCC 7A				7A-IL-SW-43		7A-IL-SW-45		7A-IL-SW-46		7A-IL-RP-50		7A-IL-RP-51		7A-IL-SW-52		7A-IL-RP-53	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	90	\$3,150.00	310	\$10,850.00	300	\$10,500.00	25	\$875.00	195	\$6,825.00	145	\$5,075.00	130	\$4,550.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	90	\$1,800.00		\$0.00		\$0.00	25	\$500.00	195	\$3,900.00		\$0.00	130	\$2,600.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	120	\$4,800.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	30	\$2,250.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72	200	\$7,944.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMP	EA	\$2,182.75	2	\$4,365.50	2	\$4,365.50	2	\$4,365.50		\$0.00		\$0.00	2	\$4,365.50		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22	1	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$2,768.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00	1	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>		TOTAL			\$21,231.72		\$15,438.50		\$14,865.50		\$1,375.00		\$10,725.00		\$14,240.50		\$12,168.00
<b>CONSTRUCTION COST</b>		TOTAL			\$21,231.72		\$15,438.50		\$14,865.50		\$1,375.00		\$10,725.00		\$14,240.50		\$12,168.00
<b>ENGINEERING DESIGN</b>		10%			\$2,123.17		\$1,543.85		\$1,486.55		\$137.50		\$1,072.50		\$1,424.05		\$1,216.80
<b>GENERAL LANDSCAPING</b>		4%			\$849.27		\$617.54		\$594.62		\$55.00		\$429.00		\$569.62		\$486.72
<b>SWPPP</b>		2%			\$424.63		\$308.77		\$297.31		\$27.50		\$214.50		\$284.81		\$243.36
<b>TRAFFIC CONTROL</b>		3%			\$636.95		\$463.16		\$445.97		\$41.25		\$321.75		\$427.22		\$365.04
<b>MOBILIZATION</b>		4%			\$925.70		\$673.12		\$648.14		\$59.95		\$467.61		\$620.89		\$530.52
<b>FEDERAL CONTINGENCY</b>		2%			\$523.83		\$380.90		\$366.76		\$33.92		\$264.61		\$351.34		\$300.21
<b>OPCC</b>		TOTAL			\$26,800.00		\$19,500.00		\$18,800.00		\$1,800.00		\$13,500.00		\$18,000.00		\$15,400.00
<b>AVERAGE COST PER LF OF SIDEWALK</b>					\$297.78 PER LF		\$62.90 PER LF		\$62.67 PER LF		\$72.00 PER LF		\$69.23 PER LF		\$124.14 PER LF		\$118.46 PER LF
<b>GRAND TOTAL FOR GROUP 7A</b>			<b>\$5,082,900.00</b>		Min Cost/LF		\$44.76 PER LF		Max Cost/LF		\$5600.00 PER LF						













































**Illinois Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veeloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 7A				7A-IL-CW-319		7A-IL-CW-321	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	4	\$8,731.00		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	4	\$2,600.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00	200	\$1,800.00	200	\$1,800.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00	50	\$400.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500.00		\$0.00	0.5	\$7,750.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000.00	1	\$210,000.00		\$0.00
CONSTRUCTION COST (WITHOUT SIGNALS)		TOTAL			\$13,131.00		\$2,200.00
CONSTRUCTION COST		TOTAL			\$223,131.00		\$9,950.00
ENGINEERING DESIGN		10%			\$22,313.10		\$995.00
GENERAL LANDSCAPING		4%			\$525.24		\$88.00
SWPPP		2%			\$262.62		\$44.00
TRAFFIC CONTROL		3%			\$393.93		\$66.00
MOBILIZATION		4%			\$572.51		\$95.92
FEDERAL CONTINGENCY		2%			\$4,943.97		\$224.78
OPCC		TOTAL			\$252,200.00		\$11,500.00
AVERAGE COST PER LF OF SIDEWALK					#DIV/0!		#DIV/0!
GRAND TOTAL FOR GROUP 7A			\$5,082,900.00				



**Kiest Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number SW ← Sidewalk (or CW=Crosswalk, VV=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation 01 ← Improvement Number (matches 1 on Map)

OPCC 7B		UNIT	COST	7B-KS-SW-76	7B-KS-SW-77	7B-KS-SW-78	7B-KS-SW-79	7B-KS-SW-80	7B-KS-SW-82	7B-KS-SW-84	7B-KS-SW-85								
ENTITY	ITEM			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST								
DALLAS	SIDEWALK (5')	LF	\$35.00	250	\$8,750.00	190	\$6,650.00	345	\$12,075.00	340	\$11,900.00	345	\$12,075.00	335	\$11,725.00	360	\$12,600.00	360	\$12,600.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	5	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00	20	\$400.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00	50	\$1,000.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00	190	\$7,546.80	345	\$13,703.40	50	\$1,986.00		\$0.00	335	\$13,306.20	360	\$14,299.20		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	30	\$1,740.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	2	\$4,365.50		\$0.00	2	\$4,365.50	1	\$2,182.75	1	\$2,182.75		\$0.00	2	\$4,365.50	2	\$4,365.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00	2	\$7,944.44	4	\$15,888.88	1	\$3,972.22		\$0.00	4	\$15,888.88	2	\$7,944.44	1	\$3,972.22
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$22,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00	1	\$2,768.00		\$0.00		\$0.00	1	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00	1	\$886.00		\$0.00	3	\$2,658.00	2	\$1,772.00	2	\$1,772.00	3	\$2,658.00	1	\$886.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00	1	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00	1	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>				TOTAL		\$17,519.50	\$22,141.24	\$48,913.78	\$24,580.97	\$17,029.75	\$73,418.83	\$40,095.14	\$20,937.72						
<b>CONSTRUCTION COST</b>				TOTAL		\$17,519.50	\$22,141.24	\$48,913.78	\$24,580.97	\$17,029.75	\$73,418.83	\$40,095.14	\$20,937.72						
<b>ENGINEERING DESIGN</b>				10%		\$1,751.95	\$2,214.12	\$4,891.38	\$2,458.10	\$1,702.98	\$7,341.88	\$4,009.51	\$2,093.77						
<b>GENERAL LANDSCAPING</b>				4%		\$700.78	\$885.65	\$1,956.55	\$983.24	\$681.19	\$2,936.75	\$1,603.81	\$837.51						
<b>SWPPP</b>				2%		\$350.39	\$442.82	\$978.28	\$491.62	\$340.60	\$1,468.38	\$801.90	\$418.75						
<b>TRAFFIC CONTROL</b>				3%		\$525.59	\$664.24	\$1,467.41	\$737.43	\$510.89	\$2,202.56	\$1,202.85	\$628.13						
<b>MOBILIZATION</b>				4%		\$763.85	\$965.36	\$2,132.64	\$1,071.73	\$742.50	\$3,201.06	\$1,748.15	\$912.88						
<b>FEDERAL CONTINGENCY</b>				2%		\$432.24	\$546.27	\$1,206.80	\$606.46	\$420.16	\$1,811.39	\$989.23	\$516.58						
<b>OPCC</b>				TOTAL		\$22,100.00	\$27,900.00	\$61,600.00	\$31,000.00	\$21,500.00	\$92,400.00	\$50,500.00	\$26,400.00						
<b>AVERAGE COST PER LF OF SIDEWALK</b>						\$88.40 PER LF	\$146.84 PER LF	\$178.55 PER LF	\$91.18 PER LF	\$62.32 PER LF	\$275.82 PER LF	\$140.28 PER LF	\$73.33 PER LF						
<b>GRAND TOTAL FOR GROUP 7B</b>						<b>\$1,579,400.00</b>													

**Kiest Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veiloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 7B				7B-KS-SW-86		7B-KS-SW-87		7B-KS-SW-88		7B-KS-SW-92		7B-KS-SW-93		7B-KS-SW-94		7B-KS-SW-95		7B-KS-SW-99	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	360	\$12,600.00	400	\$14,000.00	400	\$14,000.00	360	\$12,600.00	355	\$12,425.00	220	\$7,700.00	325	\$11,375.00	355	\$12,425.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00	20	\$400.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00	90	\$3,574.80	50	\$1,986.00		\$0.00		\$0.00		\$0.00	325	\$12,909.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00	1	\$3,518.00	1	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00	5	\$290.00	5	\$290.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	1	\$2,182.75	2	\$4,365.50	2	\$4,365.50	2	\$4,365.50	2	\$4,365.50	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22	1	\$3,972.22		\$0.00	5	\$19,861.10	1	\$3,972.22	2	\$7,944.44		\$0.00	3	\$11,916.66	1	\$3,972.22
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$8,444.44		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00	1	\$22,000.00	1	\$22,000.00		\$0.00		\$0.00		\$0.00	1	\$22,000.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00	1	\$572.00		\$0.00		\$0.00		\$0.00	2	\$1,144.00	2	\$1,144.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00	1	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$886.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00	1	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00	30	\$1,590.00	80	\$4,240.00		\$0.00		\$0.00		\$0.00		\$0.00	50	\$2,650.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$18,754.97	\$51,196.30	\$70,483.60	\$20,937.72	\$24,734.94	\$11,026.75	\$70,857.85	\$21,229.97
CONSTRUCTION COST	TOTAL	\$18,754.97	\$51,196.30	\$70,483.60	\$20,937.72	\$24,734.94	\$11,026.75	\$70,857.85	\$21,229.97

ENGINEERING DESIGN	10%	\$1,875.50	\$5,119.63	\$7,048.36	\$2,093.77	\$2,473.49	\$1,102.68	\$7,085.79	\$2,123.00
GENERAL LANDSCAPING	4%	\$750.20	\$2,047.85	\$2,819.34	\$837.51	\$989.40	\$441.07	\$2,834.31	\$849.20
SWPPP	2%	\$375.10	\$1,023.93	\$1,409.67	\$418.75	\$494.70	\$220.54	\$1,417.16	\$424.60
TRAFFIC CONTROL	3%	\$562.65	\$1,535.89	\$2,114.51	\$628.13	\$742.05	\$330.80	\$2,125.74	\$636.90
MOBILIZATION	4%	\$817.72	\$2,232.16	\$3,073.08	\$912.88	\$1,078.44	\$480.77	\$3,089.40	\$925.63

FEDERAL CONTINGENCY	2%	\$462.72	\$1,263.12	\$1,738.97	\$516.58	\$610.26	\$272.05	\$1,748.20	\$523.79
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OPCC	TOTAL	\$23,600.00	\$64,500.00	\$88,700.00	\$26,400.00	\$31,200.00	\$13,900.00	\$89,200.00	\$26,800.00
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AVERAGE COST PER LF OF SIDEWALK		\$65.56 PER LF	\$161.25 PER LF	\$221.75 PER LF	\$73.33 PER LF	\$87.89 PER LF	\$63.18 PER LF	\$274.46 PER LF	\$75.49 PER LF
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GRAND TOTAL FOR GROUP 7B **\$1,579,400.00**







**Kiest Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matche 1 on Map)

OPCC 7B				7B-KS-SW-169	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	205	\$7,175.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	10	\$200.00
DALLAS	RETAINING WALL (1')	LF	\$20.00	205	\$4,100.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22	2	\$7,944.44
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00	1	\$572.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$22,174.19
CONSTRUCTION COST	TOTAL	\$22,174.19
ENGINEERING DESIGN	10%	\$2,217.42
GENERAL LANDSCAPING	4%	\$886.97
SWPPP	2%	\$443.48
TRAFFIC CONTROL	3%	\$665.23
MOBILIZATION	4%	\$966.79
FEDERAL CONTINGENCY	2%	\$547.08
OPCC	TOTAL	\$28,000.00
AVERAGE COST PER LF OF SIDEWALK		\$136.59 PER LF
GRAND TOTAL FOR GROUP 7B		\$1,579,400.00



VA Medical Center Station

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (match 1 on Map)

OPCC 7C				7C-VA-SW-62		7C-VA-SW-64		7C-VA-SW-65		7C-VA-SW-79		7C-VA-SW-80		7C-VA-RP-81		7C-VA-SW-82		7C-VA-SW-83	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	220	\$7,700.00	215	\$7,525.00	160	\$5,600.00	745	\$26,075.00	110	\$3,850.00	80	\$2,800.00	380	\$13,300.00	75	\$2,625.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	80	\$1,600.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72	220	\$8,738.40		\$0.00	160	\$6,355.20		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	1	\$2,182.75		\$0.00		\$0.00	2	\$4,365.50	1	\$2,182.75		\$0.00	1	\$2,182.75		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00	1	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00	1	\$572.00		\$0.00	3	\$1,716.00	1	\$572.00	1	\$572.00	2	\$1,144.00	1	\$572.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00	1	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00	1	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00	1	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00	1	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL		\$22,261.15	\$33,088.00	\$11,955.20	\$33,042.50	\$6,604.75	\$8,944.22	\$16,626.75	\$3,197.00
CONSTRUCTION COST	TOTAL		\$22,261.15	\$33,088.00	\$11,955.20	\$33,042.50	\$6,604.75	\$8,944.22	\$16,626.75	\$3,197.00
ENGINEERING DESIGN	10%		\$2,226.12	\$3,308.80	\$1,195.52	\$3,304.25	\$660.48	\$894.42	\$1,662.68	\$319.70
GENERAL LANDSCAPING	4%		\$890.45	\$1,323.52	\$478.21	\$1,321.70	\$264.19	\$357.77	\$665.07	\$127.88
SWPPP	2%		\$445.22	\$661.76	\$239.10	\$660.85	\$132.10	\$178.88	\$332.54	\$63.94
TRAFFIC CONTROL	3%		\$667.83	\$992.64	\$358.66	\$991.28	\$198.14	\$268.33	\$498.80	\$95.91
MOBILIZATION	4%		\$970.59	\$1,442.64	\$521.25	\$1,440.65	\$287.97	\$389.97	\$724.93	\$139.39
FEDERAL CONTINGENCY	2%		\$549.23	\$816.35	\$294.96	\$815.22	\$162.95	\$220.67	\$410.22	\$78.88
OPCC	TOTAL		\$28,100.00	\$41,700.00	\$15,100.00	\$41,600.00	\$8,400.00	\$11,300.00	\$21,000.00	\$4,100.00
AVERAGE COST PER LF OF SIDEWALK			\$127.73 PER LF	\$193.95 PER LF	\$94.38 PER LF	\$55.84 PER LF	\$76.36 PER LF	\$141.25 PER LF	\$55.26 PER LF	\$54.67 PER LF
GRAND TOTAL FOR GROUP 7C			<b>\$2,021,000.00</b>							



**VA Medical Center Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**

1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (match 1 on Map)

OPCC 7C			7C-VA-SW-93		7C-VA-SW-94		7C-VA-SW-95		7C-VA-SW-96		7C-VA-SW-97		7C-VA-SW-98		7C-VA-SW-103		7C-VA-SW-104		
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
DALLAS	SIDEWALK (5')	LF	\$35.00	250	\$8,750.00	760	\$26,600.00	140	\$4,900.00	175	\$6,125.00	390	\$13,650.00	190	\$6,650.00	510	\$17,850.00	555	\$19,425.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	70	\$2,800.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	2	\$4,365.50	2	\$4,365.50	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75		\$0.00	2	\$4,365.50	2	\$4,365.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00	3	\$66,000.00		\$0.00		\$0.00		\$0.00		\$0.00	2	\$44,000.00	4	\$88,000.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00	2	\$1,144.00		\$0.00		\$0.00		\$0.00	1	\$572.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00	1	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	3	\$8,304.00
DALLAS	TREE REMOVALS	EA	\$886.00	1	\$886.00	1	\$886.00		\$0.00	1	\$886.00		\$0.00	1	\$886.00	2	\$1,772.00	3	\$2,658.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00	1	\$223.00	1	\$223.00		\$0.00	1	\$223.00		\$0.00		\$0.00		\$0.00	1	\$223.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$650.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33	2	\$1,458.66		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,640.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>	TOTAL	\$18,451.16	\$99,218.50	\$7,082.75	\$9,416.75	\$15,832.75	\$8,108.00	\$72,277.50	\$125,775.50
<b>CONSTRUCTION COST</b>	TOTAL	\$18,451.16	\$99,218.50	\$7,082.75	\$9,416.75	\$15,832.75	\$8,108.00	\$72,277.50	\$125,775.50
<b>ENGINEERING DESIGN</b>	10%	\$1,845.12	\$9,921.85	\$708.28	\$941.68	\$1,583.28	\$810.80	\$7,227.75	\$12,577.55
<b>GENERAL LANDSCAPING</b>	4%	\$738.05	\$3,968.74	\$283.31	\$376.67	\$633.31	\$324.32	\$2,891.10	\$5,031.02
<b>SWPPP</b>	2%	\$369.02	\$1,984.37	\$141.66	\$188.34	\$316.66	\$162.16	\$1,445.55	\$2,515.51
<b>TRAFFIC CONTROL</b>	3%	\$553.53	\$2,976.56	\$212.48	\$282.50	\$474.98	\$243.24	\$2,168.33	\$3,773.27
<b>MOBILIZATION</b>	4%	\$804.47	\$4,325.93	\$308.81	\$410.57	\$690.31	\$353.51	\$3,151.30	\$5,483.81
<b>FEDERAL CONTINGENCY</b>	2%	\$455.23	\$2,447.92	\$174.75	\$232.33	\$390.63	\$200.04	\$1,783.23	\$3,103.13
<b>OPCC</b>	TOTAL	\$23,300.00	\$124,900.00	\$9,000.00	\$11,900.00	\$20,000.00	\$10,300.00	\$91,000.00	\$158,300.00
<b>AVERAGE COST PER LF OF SIDEWALK</b>		\$93.20 PER LF	\$164.34 PER LF	\$64.29 PER LF	\$68.00 PER LF	\$51.28 PER LF	\$54.21 PER LF	\$178.43 PER LF	\$285.23 PER LF
<b>GRAND TOTAL FOR GROUP 7C</b>		<b>\$2,021,000.00</b>							











## VA Median Island Detailed Estimate - 7C-VA-CW-40 OPTION 2

### ASSUMPTIONS

this will be curb extensions along Denley west of Ann Arbor with no refuge median

costlier of 2 options will be one used for our inclusion on master sheet

these will require pedestrian crossing area across curb extension

to prevent parking will assume on south side of Denley extension goes from east side of Ann Arbor extended to 10 ft from existing church drive opg

on north side of Denley will go from west edge of Ann Arbor to same location as south side

WB Denley will need signs right lane must turn right and painted arrows for RT turn only

EB Denley will need sign right lane ends before curb extension

also added painted arrows informing traffic to move right - assume 2

	ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
remove existing conc pvmt plus 2 extra ft for C & G	0104 6001	SF	1980	\$0.49	\$970.20
add conc pvmt for refuge across curb extensions - both sides	454	SF	200	\$6.33	\$1,266.00
add conc median pvmt refuge islands	356	SF	1450	\$6.00	\$8,700.00
add C & G across refuge islands	407	LF	40	\$32.00	\$1,280.00
add C & G along refuge islands	407	LF	185	\$32.00	\$5,920.00
add striping	0666 6035	LF	205	\$0.84	\$172.20
add signs	0636 & 0646	EACH	6	\$650.00	\$3,900.00
painted arrows ( WB right turn and EB str to move left)	0668 6019	EACH	4	\$495.00	\$1,980.00
					<b>\$24,188.40</b>

curb extensions

north side = 70 ft long x 10 ft wide

south side = 95 ft long x 10 ft wide

remove conc rdwy pvmt plus 2 ft for C & G

north side

$$70 \times (10 + 2)$$

$$70 \times 12 = 840 \text{ SF}$$

south side

$$95 \times (10 + 2)$$

$$95 \times 12 = 1140 \text{ SF}$$

TOTAL REM CONC RDWY PVMT

$$840 + 1140 = 1980 \text{ SF}$$

conc pvmt for refuge pvmt both sides same area 10 ft long x 10 ft wide

$$(10 \times 10) \times 2 = 200 \text{ SF}$$

median pvmt for islands

take area of island minus conc rdwy refuge pvmt area (100 SF each side)

north island

$$(70 \times 10) - 100$$

$$700 - 100 = 600 \text{ SF}$$

south island

$$(95 \times 10) - 100$$

$$950 - 100 = 850 \text{ SF}$$

TOTAL MED CONC PVMT

$$600 + 850 = 1450 \text{ SF}$$

C & C

across islands - for refuge pvmt

$$(10 + 10) \times 2 = 40 \text{ LF}$$

around Islands - take llength minus refuge opg (10 ft)

north island

$$(70 + 10 + 10) - 10$$

$$90 - 10 = 80 \text{ LF}$$

south island

$$(95 + 10 + 10) - 10$$

$$115 - 10 = 105 \text{ LF}$$

TOTAL C & G AROUND ISLANDS

$$80 + 105 = 185 \text{ LF}$$

Striping - only around islands

north island

$$10 + 70 + 10 = 90 \text{ LF}$$

south island

$$10 + 95 + 10 = 115 \text{ LF}$$

TOTAL ISLAND STRIPING

$$90 + 115 = 205 \text{ LF}$$

Siigns

EB/South

lane ends move right - 2 each

ped crossing on island - 1 each

WB/north

right lane must turn right - 2 each

ped crossing on issland - 1 each

TOTAL SIGNS

$$2 + 1 + 2 + 1 = 6 \text{ EACH}$$

painted arrows

EB/south

arrows for traffic to move left - 2 each

WB/north

arrows for right lane must turn rt - 2 each

TTOTAL PAINTED ARROWS

$$2 + 2 = 4 \text{ EACH}$$





## Median Island Detailed Estimate - LOCATION 8A-CP-SW-16

### Assumptions

North of Haskell along NB Frontage Rd near entrance ramp

existing brick paver sidewalk is settling measured 100 LF by 8 ft wide

will remove and replace existing pavers and replace existing sand bedding under pavers

will assume cement stabilized base material to prevent future settling

existing utilities adjacent and in sidewalk do NOT NEED to be adjusted

no striping, signs etc.

remove existing brick pavers

replace/reinstall brick pavers

replace paver bedding - cement stabilized base material

sidewalk to be removed and replaced

100 x 8 = 80 SF

use unit prices assumed for LOCATION 1B-DP-CW-58

replace paver bedding

assume 8 inches deep by paver area

use COD unit price for 7053 Cement Stabilized Sand Backfill @\$86/CY

$(0.67 \times 80) / 27$

$53.6 / 27 = 1.98 \text{ CY SAY } 2$

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
SF	80	ASSUMED	\$5.00	\$400.00
SF	80	ASSUMED	\$15.00	\$1,200.00
CY	2	7053	\$86.00	\$172.00
				<b>\$1,772.00</b>

**Median Island Detailed Estimate - LOCATION 8A-CP-CW-31**

**Assumptions**

Haskell Ave east iof US 75 about 480 ft east at first paved median crossing between EB and WB Haskell  
 only for EB lanes will be calculated here  
 need to extend sidewalk/median/parkway area to NOT allow cars to park at existing ADA ramp on south side  
 will need to remove/replace existing granite curb, remove and replace/reinstall brick pavers  
 also need some new granite curb sections to create these curb/parkway bumpouts  
 also new brick pavers

assume removing 2 parking spots each side of ex ADA ramp = say 40 ft each side x 2 = 80 LF  
 width will be 10 ft  
 do not disturb existing slotted drain  
 add no parking signs at both sides - assume 4  
 will use unit prces similar to 84-CP-SW-16 for remove and replace pavers  
 also need cement stabilized sand backfill bedding for replace and new pavers  
 assume new brick pavers @ \$20/SF  
 assume new granite curb @ \$375/LF  
 this includes constructing conc ledge at roadway edge - similar to orignal construction  
 remove existing asphalt pvmt - assume 12 inches thick

	ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
remove existing aspphalt pvmt	SY	108	202A	\$7.00	\$756.00
remove existing brick pavers	SF	640	ASSUMED	\$5.00	\$3,200.00
replace/reinstall brick pavers	SF	640	ASSUMED	\$15.00	\$9,600.00
remove existing granite curb	LF	88	ASSUMED	\$75.00	\$6,600.00
replace/reinstall existing granite curb	LF	88	ASSUMED	\$275.00	\$24,200.00
new granite curb	LF	44	ASSUMED	\$375.00	\$16,500.00
new pavers	SF	968	644B	\$20.00	\$19,360.00
conc header for granite curb	LF	132	460A	\$31.00	\$4,092.00
replace paver bedding - cement stablized base material	CY	24	7053	\$86.00	\$2,064.00
add signs	0636 & 0646	EACH	4	\$650.00	\$2,600.00
				Sub Total	\$88,972.00
Contingency - add 10% due to unknown unit prices for granite curb items					\$8,897.20
					<b>\$97,869.20</b>

remove existing brick pavers - in parkway area - assume 6 ft wide times length of parking spots removed  
 80 x 8 = 640 SF  
 replace/reinstall pavers = removed = 640 SF  
 remove existing granite curb section  
 4 parking spots = 80 LF plus extra section for construction purposes = SAY 80 + 8 = 88 LF  
 replace/reinstall granite curb = removed sections = 88  
 will be cost to reinstall plus construction of conc street header like detail to support granite curb  
 seem to remember this was detail we created for installation of granite curbs  
 new granite curb  
 exsiting will be along Haskell = need ends of extended parkway/island  
 2 sections x 2 sides - 4 ends  
 assume 11 ft wide  
 length of new granite curbs 4 x 11 = 44 LF

new pavers - for extended parkway sections  
 88 ft long (match granite curb removal) by 11 feet wide (new granite curb calcs  
 88 x 11 = 968 SF  
 use COD unit price for street header and add 50% for granite curb foundation  
 Item 460A Reinf Conc Street Header \$21/LF  
 therefore unit price 21 + (21 x 0.5) = 30.5 SAY \$31/LF  
 replace/reinstall granite curb = 88 lf  
 new granite curb = 44  
 total header req'd 88 + 44 = 132 LF  
 remove existing asphalt pvmt  
 988 ft long x 11 ft wide) / 9 = 968/9 = 107.56 SAY 108 SY  
 cement stabilized backfill under pavers - use new pavers area  
 968 SF - assume 8" deep  
 (968 x 0.67) / 9 = 648.56/27 = 24.02 CY say 24 CY

Convention Center Station

**Improvement Code Legend: ID: 1A-PR-SW-01**

1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 8B				8B-CC-RP-06		8B-CC-SW-09		8B-CC-SW-10		8B-CC-RP-18		8B-CC-SW-19		8B-CC-SW-20		8B-CC-SW-22		8B-CC-SW-07	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	65	\$2,275.00	200	\$7,000.00	385	\$13,475.00	20	\$700.00	115	\$4,025.00	655	\$22,925.00	210	\$7,350.00	150	\$5,250.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	65	\$1,300.00	20	\$400.00	70	\$1,400.00	20	\$400.00	115	\$2,300.00		\$0.00	210	\$4,200.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	220	\$4,400.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	220	\$8,800.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00	20	\$1,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72	65	\$2,581.80	200	\$7,944.00	100	\$3,972.00	20	\$794.40	115	\$4,567.80	655	\$26,016.60	110	\$4,369.20	150	\$5,958.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	20	\$1,160.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00	2	\$4,365.50	2	\$4,365.50		\$0.00		\$0.00		\$0.00	1	\$2,182.75	2	\$4,365.50
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00	1	\$8,444.44		\$0.00		\$0.00	1	\$8,444.44		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00	1	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	7	\$6,202.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00	5	\$1,115.00	1	\$223.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	3	\$1,950.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$729.33
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00	1	\$4,758.00		\$0.00	1	\$4,758.00	1	\$4,758.00	1	\$4,758.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00	130	\$6,890.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>				TOTAL		\$7,271.80	\$28,322.50	\$36,986.94	\$1,894.40	\$15,650.80	\$86,224.04	\$22,859.95	\$18,252.83						
<b>CONSTRUCTION COST</b>				TOTAL		\$7,271.80	\$28,322.50	\$36,986.94	\$1,894.40	\$15,650.80	\$86,224.04	\$22,859.95	\$18,252.83						
<b>ENGINEERING DESIGN</b>				10%		\$727.18	\$2,832.25	\$3,698.69	\$189.44	\$1,565.08	\$8,622.40	\$2,286.00	\$1,825.28						
<b>GENERAL LANDSCAPING</b>				4%		\$290.87	\$1,132.90	\$1,479.48	\$75.78	\$626.03	\$3,448.96	\$914.40	\$730.11						
<b>SWPPP</b>				2%		\$145.44	\$566.45	\$739.74	\$37.89	\$313.02	\$1,724.48	\$457.20	\$365.06						
<b>TRAFFIC CONTROL</b>				3%		\$218.15	\$849.68	\$1,109.61	\$56.83	\$469.52	\$2,586.72	\$685.80	\$547.58						
<b>MOBILIZATION</b>				4%		\$317.05	\$1,234.86	\$1,612.63	\$82.60	\$682.37	\$3,759.37	\$996.69	\$795.82						
<b>FEDERAL CONTINGENCY</b>				2%		\$179.41	\$698.77	\$912.54	\$46.74	\$386.14	\$2,127.32	\$564.00	\$450.33						
<b>OPCC</b>				TOTAL		\$9,200.00	\$35,700.00	\$46,600.00	\$2,400.00	\$19,700.00	\$108,500.00	\$28,800.00	\$23,000.00						
<b>AVERAGE COST PER LF OF SIDEWALK</b>						\$141.54 PER LF	\$178.50 PER LF	\$121.04 PER LF	\$120.00 PER LF	\$171.30 PER LF	\$165.65 PER LF	\$137.14 PER LF	\$153.33 PER LF						
<b>GRAND TOTAL FOR GROUP 8B</b>					<b>\$501,300.00</b>	Min Cost/LF	\$120.00 PER LF	Max Cost/LF	\$178.50 PER LF										



**Convention Center Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**

1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VV=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 8B				8B-CC-CW-16		8B-CC-CW-17	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00		\$0.00		\$0.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00	120	\$1,080.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00	20	\$1,200.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000	1	\$200,000.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00
CONSTRUCTION COST (WITHOUT SIGNALS)		TOTAL			\$1,200.00		\$1,080.00
CONSTRUCTION COST		TOTAL			\$201,200.00		\$1,080.00
ENGINEERING DESIGN		10%			\$20,120.00		\$108.00
GENERAL LANDSCAPING		4%			\$48.00		\$43.20
SWPPP		2%			\$24.00		\$21.60
TRAFFIC CONTROL		3%			\$36.00		\$32.40
MOBILIZATION		4%			\$52.32		\$47.09
FEDERAL CONTINGENCY		2%			\$4,429.61		\$26.65
OPCC		TOTAL			\$226,000.00		\$1,400.00
AVERAGE COST PER LF OF SIDEWALK					#DIV/0!		#DIV/0!
GRAND TOTAL FOR GROUP 8B			\$501,300.00				

**Cedars Station**

<b>Improvement Code Legend: ID: 1A-PR-SW-01</b>	
1A ← Station Number	SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)
PR ← Station Abbreviation	01 ← Improvement Number (matches 1 on Map)

OPCC 8C			8C-CS-RP-15		8C-CS-SW-16		8C-CS-SW-18		8C-CS-RP-19		8C-CS-SW-21		8C-CS-SW-24		8C-CS-SW-25		8C-CS-SW-27		
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
DALLAS	SIDEWALK (5')	LF	\$35.00	45	\$1,575.00	360	\$12,600.00	385	\$13,475.00	60	\$2,100.00	390	\$13,650.00	150	\$5,250.00	325	\$11,375.00	150	\$5,250.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00	45	\$900.00	10	\$200.00		\$0.00	60	\$1,200.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	80	\$6,000.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72		\$0.00	380	\$15,093.60	385	\$15,292.20		\$0.00		\$0.00		\$0.00	100	\$3,972.00		\$0.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00	1	\$3,518.00	1	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00	5	\$290.00	5	\$290.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75		\$0.00	6	\$13,096.50	2	\$4,365.50	2	\$4,365.50		\$0.00	2	\$4,365.50		\$0.00	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00	3	\$25,333.32	2	\$16,888.88	1	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00		\$0.00		\$0.00	1	\$22,000.00		\$0.00		\$0.00	1	\$22,000.00	1	\$22,000.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00	1	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00	1	\$886.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00	2	\$446.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$223.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00	150	\$7,950.00	270	\$14,310.00		\$0.00	20	\$1,060.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00	1	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

CONSTRUCTION COST (WITHOUT SIGNALS)	TOTAL	\$2,475.00	\$81,721.42	\$92,043.58	\$16,109.94	\$14,710.00	\$31,615.50	\$43,347.00	\$7,655.75
CONSTRUCTION COST	TOTAL	\$2,475.00	\$81,721.42	\$92,043.58	\$16,109.94	\$14,710.00	\$31,615.50	\$43,347.00	\$7,655.75
ENGINEERING DESIGN	10%	\$247.50	\$8,172.14	\$9,204.36	\$1,610.99	\$1,471.00	\$3,161.55	\$4,334.70	\$765.58
GENERAL LANDSCAPING	4%	\$99.00	\$3,268.86	\$3,681.74	\$644.40	\$588.40	\$1,264.62	\$1,733.88	\$306.23
SWPPP	2%	\$49.50	\$1,634.43	\$1,840.87	\$322.20	\$294.20	\$632.31	\$866.94	\$153.12
TRAFFIC CONTROL	3%	\$74.25	\$2,451.64	\$2,761.31	\$483.30	\$441.30	\$948.47	\$1,300.41	\$229.67
MOBILIZATION	4%	\$107.91	\$3,563.05	\$4,013.10	\$702.39	\$641.36	\$1,378.44	\$1,889.93	\$333.79
FEDERAL CONTINGENCY	2%	\$61.06	\$2,016.23	\$2,270.90	\$397.46	\$362.93	\$780.02	\$1,069.46	\$188.88
OPCC	TOTAL	\$3,200.00	\$102,900.00	\$115,900.00	\$20,300.00	\$18,600.00	\$39,800.00	\$54,600.00	\$9,700.00
AVERAGE COST PER LF OF SIDEWALK		\$71.11 PER LF	\$285.83 PER LF	\$301.04 PER LF	\$338.33 PER LF	\$47.69 PER LF	\$265.33 PER LF	\$168.00 PER LF	\$64.67 PER LF
GRAND TOTAL FOR GROUP 8C		\$2,031,400.00	Min Cost/LF \$44.76 PER LF	Max Cost/LF \$786.67 PER LF					

**Cedars Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matches 1 on Map)

OPCC 8C			8C-CS-SW-32		8C-CS-SW-33		8C-CS-SW-34		8C-CS-SW-35		8C-CS-SW-36		8C-CS-SW-37		8C-CS-SW-42		8C-CS-SW-44		
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
DALLAS	SIDEWALK (5')	LF	\$35.00	100	\$3,500.00	130	\$4,550.00	230	\$8,050.00	235	\$8,225.00	215	\$7,525.00	180	\$6,300.00	90	\$3,150.00	200	\$7,000.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	50	\$1,000.00		\$0.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	50	\$1,000.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00	130	\$5,200.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72	100	\$3,972.00	130	\$5,163.60	230	\$9,135.60	235	\$9,334.20	215	\$8,539.80	160	\$6,355.20	90	\$3,574.80	200	\$7,944.00
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$3,518.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00	10	\$580.00		\$0.00	50	\$2,900.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	2	\$4,365.50	1	\$2,182.75	2	\$4,365.50		\$0.00		\$0.00		\$0.00		\$0.00	1	\$2,182.75
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00	1	\$3,972.22		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	2	\$7,944.44
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00	4	\$33,777.76	2	\$16,888.88		\$0.00	1	\$8,444.44		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00	2	\$44,000.00	1	\$22,000.00		\$0.00	1	\$22,000.00	2	\$44,000.00		\$0.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00		\$0.00		\$0.00		\$0.00	1	\$572.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00		\$0.00	4	\$11,072.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00		\$0.00	1	\$886.00	5	\$4,430.00		\$0.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00	1	\$223.00		\$0.00	2	\$446.00		\$0.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00	1	\$729.33		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00	50	\$2,650.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00	1	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>	TOTAL		\$55,837.50	\$46,708.57	\$55,551.86	\$64,929.58	\$77,314.13	\$28,517.64	\$6,724.80	\$26,071.19
<b>CONSTRUCTION COST</b>	TOTAL		\$55,837.50	\$46,708.57	\$55,551.86	\$64,929.58	\$77,314.13	\$28,517.64	\$6,724.80	\$26,071.19
<b>ENGINEERING DESIGN</b>	10%		\$5,583.75	\$4,670.86	\$5,555.19	\$6,492.96	\$7,731.41	\$2,851.76	\$672.48	\$2,607.12
<b>GENERAL LANDSCAPING</b>	4%		\$2,233.50	\$1,868.34	\$2,222.07	\$2,597.18	\$3,092.57	\$1,140.71	\$268.99	\$1,042.85
<b>SWPPP</b>	2%		\$1,116.75	\$934.17	\$1,111.04	\$1,298.59	\$1,546.28	\$570.35	\$134.50	\$521.42
<b>TRAFFIC CONTROL</b>	3%		\$1,675.13	\$1,401.26	\$1,666.56	\$1,947.89	\$2,319.42	\$855.53	\$201.74	\$782.14
<b>MOBILIZATION</b>	4%		\$2,434.52	\$2,036.49	\$2,422.06	\$2,830.93	\$3,370.90	\$1,243.37	\$293.20	\$1,136.70
<b>FEDERAL CONTINGENCY</b>	2%		\$1,377.62	\$1,152.39	\$1,370.58	\$1,601.94	\$1,907.49	\$703.59	\$165.91	\$643.23
<b>OPCC</b>	TOTAL		\$70,300.00	\$58,800.00	\$69,900.00	\$81,700.00	\$97,300.00	\$35,900.00	\$8,500.00	\$32,900.00
<b>AVERAGE COST PER LF OF SIDEWALK</b>			\$703.00 PER LF	\$452.31 PER LF	\$303.91 PER LF	\$347.66 PER LF	\$452.56 PER LF	\$199.44 PER LF	\$94.44 PER LF	\$164.50 PER LF
<b>GRAND TOTAL FOR GROUP 8C</b>			<span style="background-color: yellow;">\$2,031,400.00</span>							

**Cedars Station**

**Improvement Code Legend: ID: 1A-PR-SW-01**  
 1A ← Station Number      SW ← Sidewalk (or CW=Crosswalk, VW=Veloweb, RP=Sidewalk Repair, GR=Gap to Remain)  
 PR ← Station Abbreviation      01 ← Improvement Number (matched 1 on Map)

OPCC 8C				8C-CS-SW-46		8C-CS-RP-48		8C-CS-SW-66		8C-CS-SW-67		8C-CS-SW-68		8C-CS-SW-69		8C-CS-SW-70		8C-CS-RP-71	
ENTITY	ITEM	UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
DALLAS	SIDEWALK (5')	LF	\$35.00	45	\$1,575.00	180	\$6,300.00	130	\$4,550.00	65	\$2,275.00	345	\$12,075.00	380	\$13,300.00	125	\$4,375.00	30	\$1,050.00
DALLAS	SIDEWALK (10' PATH)	LF	\$70.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	REMOVE SIDEWALK	LF	\$20.00		\$0.00	180	\$3,600.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	30	\$600.00
DALLAS	RETAINING WALL (1')	LF	\$20.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (2')	LF	\$40.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (3')	LF	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (4')	LF	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RETAINING WALL (5')	LF	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	CURB AND GUTTER	LF	\$39.72	45	\$1,787.40	20	\$794.40		\$0.00		\$0.00		\$0.00	20	\$794.40	80	\$3,177.60	30	\$1,191.60
DALLAS	DRAINAGE INLETS (MODIFY)	EA	\$3,518.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	RCP 18"	LF	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	PED RAMPS	EA	\$2,182.75	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75	1	\$2,182.75	3	\$6,548.25	4	\$8,731.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (5')	LF	\$36.15		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	MEDIAN CUT (10' PATH)	LF	\$72.30		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	MEDIAN ISLAND	EA	SEE OTHER SHEET		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	DRIVEWAY (RESIDENTIAL)	EA	\$3,972.22		\$0.00	1	\$3,972.22		\$0.00		\$0.00		\$0.00	1	\$3,972.22		\$0.00		\$0.00
DALLAS	DRIVEWAY (COMMERCIAL)	EA	\$8,444.44		\$0.00		\$0.00		\$0.00		\$0.00	1	\$8,444.44		\$0.00		\$0.00		\$0.00
N/A	UTILITY POLE RELOCATED	EA	\$22,000.00	1	\$22,000.00		\$0.00	2	\$44,000.00		\$0.00		\$0.00	3	\$66,000.00		\$0.00		\$0.00
DALLAS	MANHOLE ADJUSTMENT	EA	\$572.00	1	\$572.00		\$0.00		\$0.00		\$0.00	1	\$572.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE RELOCATIONS	EA	\$2,768.00		\$0.00		\$0.00	0	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TREE REMOVALS	EA	\$886.00		\$0.00		\$0.00	1	\$886.00		\$0.00		\$0.00	1	\$886.00		\$0.00		\$0.00
N/A	RAILROAD CROSSING	EA	\$120,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	TRAFFIC SIGNS RELOCATED	EA	\$223.00		\$0.00		\$0.00		\$0.00	1	\$223.00	2	\$446.00	2	\$446.00		\$0.00		\$0.00
TXDOT	TRAFFIC SIGNS NEW	EA	\$650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (CROSSWALK)	LF	\$9.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PAVEMENT MARKINGS (STOP BAR)	LF	\$8.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PAVEMENT MARKINGS (TRIANGLES)	EA	\$60.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
TXDOT	UTILITY BOX RELOCATION	EA	\$729.33		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	LIGHT POLE RELOCATION	EA	\$4,758.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FENCE (REMOVE AND REPLACE)	LF	\$53.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	FIRE HYDRANT RELOCATED	EA	\$3,640.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
DALLAS	PARKING STOP	EA	\$97.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 2 LANE UNDIVIDED	EA	\$26,435.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 3 LANE UNDIVIDED	EA	\$27,182.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE UNDIVIDED	EA	\$40,407.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 4 LANE DIVIDED	EA	\$41,183.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE UNDIVIDED	EA	\$41,839.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED CROSSWALK LIGHTING (#1) - 6 LANE DIVIDED	EA	\$42,615.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 3 LANES W/O MEDIAN	EA	\$24,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 1 SOLAR SIGN & PUSH BUTTON IN MEDIAN	EA	\$36,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	RRFB (#7) - 2 SOLAR SIGNS & PUSHBUTTON IN MEDIAN	EA	\$48,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED HYBRID BEACON (#9) - 6 LANE DIVIDED	EA	\$200,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 1 CW	EA	\$9,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 2 CW	EA	\$15,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 3 CW	EA	\$21,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	APS & COUNTDOWN PED SIGNAL (#10) - 4 CW	EA	\$27,500		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 3 LANE UNDIVIDED	EA	\$150,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 4 LANE DIVIDED	EA	\$175,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
N/A	PED TRAFFIC SIGNAL (#11) - 6 LANE DIVIDED	EA	\$210,000		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00

<b>CONSTRUCTION COST (WITHOUT SIGNALS)</b>	TOTAL	\$28,117.15	\$16,849.37	\$51,618.75	\$4,680.75	\$28,085.69	\$94,129.62	\$7,552.60	\$2,841.60
<b>CONSTRUCTION COST</b>	TOTAL	\$28,117.15	\$16,849.37	\$51,618.75	\$4,680.75	\$28,085.69	\$94,129.62	\$7,552.60	\$2,841.60
<b>ENGINEERING DESIGN</b>	10%	\$2,811.72	\$1,684.94	\$5,161.88	\$468.08	\$2,808.57	\$9,412.96	\$755.26	\$284.16
<b>GENERAL LANDSCAPING</b>	4%	\$1,124.69	\$673.97	\$2,064.75	\$187.23	\$1,123.43	\$3,765.18	\$302.10	\$113.66
<b>SWPPP</b>	2%	\$562.34	\$336.99	\$1,032.38	\$93.62	\$561.71	\$1,882.59	\$151.05	\$56.83
<b>TRAFFIC CONTROL</b>	3%	\$843.51	\$505.48	\$1,548.56	\$140.42	\$842.57	\$2,823.89	\$226.58	\$85.25
<b>MOBILIZATION</b>	4%	\$1,225.91	\$734.63	\$2,250.58	\$204.08	\$1,224.54	\$4,104.05	\$329.29	\$123.89
<b>FEDERAL CONTINGENCY</b>	2%	\$693.71	\$415.71	\$1,273.54	\$115.48	\$692.93	\$2,322.37	\$186.34	\$70.11
<b>OPCC</b>	TOTAL	\$35,400.00	\$21,300.00	\$65,000.00	\$5,900.00	\$35,400.00	\$118,500.00	\$9,600.00	\$3,600.00
<b>AVERAGE COST PER LF OF SIDEWALK</b>		\$786.67 PER LF	\$118.33 PER LF	\$500.00 PER LF	\$90.77 PER LF	\$102.61 PER LF	\$311.84 PER LF	\$76.80 PER LF	\$120.00 PER LF
<b>GRAND TOTAL FOR GROUP 8C</b>		\$2,031,400.00							











**Median Island Detailed Estimate - LOCATION 8C-CS-CW-23**

**Assumptions**

at Akard & Bellview - south side of intersection  
 this is linked with 28 (28 will be calculated separately for median items)  
 length between both is 380 ft +/- from end of refuge to end of refuge  
 will add oval islands - 45 ft long +/- at each intersection by 10 ft wide and stripe off center of road between them  
 to avoid going from 4 lane to two lane and then back to 4 lane between them  
 only show striping between islands here (also add diagonal striping @ 20 ft ctrs)

rem ex rdwy conc pvmt  
 add median refuge island rdwy pvmt  
 add refuge island median pvmt  
 add C & G across refuge island  
 add C & G along Akard and noses  
 add striping around island and between islands  
 add signs  
 painted right turn arrows

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	686	\$0.49	\$336.14
356	SF	100	\$6.00	\$600.00
454	SF	350	\$6.33	\$2,215.50
407	LF	20	\$32.00	\$640.00
407	LF	90	\$32.00	\$2,880.00
0666 6035	LF	730	\$0.84	\$613.20
0636 & 0646	EACH	4	\$650.00	\$2,600.00
0668 6019	EACH	2	\$495.00	\$990.00
				<b>\$10,874.84</b>

remove conc rdwy pvmt  
 45 ft long plus 4 extra ft for C & G  
 10 ft wide plus 4 extra ft for C & g  
 $(45+4) \times (10+4) = 49 \times 14 = 686$  SF  
 Med Refuge island rdwy pvmt  
 $10 \times 10 = 100$  SF  
 med refuge nedian pvmt  
 area of island minus refuge rdwy pvmt  
 $(45 \times 10) - 100$   
 $450 - 100 = 350$   
 C & G = along median island minus refuge rdy opgs  
 $(45 + 45 + 10 + 10) - (2 \times 10)$   
 $110 - 20 = 90$  LF  
 C & G - across median refuge opgs  
 $10 \times 2 = 20$  LF  
 striping - from Bellview to median at Sullivan plus diagonal stripes @ 20 ft ctrs  
 around refuge island @ Bellview  
 $45 + 45 + 10 + 10 = 120$  LF  
 between islands @ Bellview and Sullivan  
 $(380 - 45 - 45) \times 2$   
 $(380 - 90) \times 2 = 290 \times 2 = 580$  LF  
 diagonal striping @ 20 ft ctrs  
 $290 / 20 = 14.5$  stripes SAY 15 10 ft long  
 $15 \times 10 = 150$  LF  
 TOTAL STRIPING  $250 + 150 = 730$  LF  
 signs advance signs north of Bellview  
 right lane must turn right - 2 plus 2 median signs = 4  
 painted arrows on rd north of Bellview = 2

## Median Island Detailed Estimate - LOCATION 8C-CS-CW-28

### Assumptions

at Akard & Sullkivan - north side of intersection

this is also linked with 23 (23 will be calculated separately for median items)

will only add oval island at tthis location - 45 ft long +/- by 10 ft

striping betweenislands is shown on 23

median island qtys will be same as 23

rem ex rdwy conc pvmt

add median refuge island rdwy pvmt

add refuge island median pvmt

add C & G across refuge island

add C & G along Akard and noses

add striping around island and between islands

add signs

painted right turn arrows

remove conc rdwy pvmt

45 ft long plus 4 extra ft for C & G

10 ft wide plus 4 extra ft for C & g

$(45+4) \times (10+4) = 49 \times 14 = 686$  SF

Med Refuge island rdwy pvmt

$10 \times 10 = 100$  SF

med refuge nedian pvmt

area of island minus refuge rdwy pvmt

$(45 \times 10) - 100$

$450 - 100 = 350$

C & G = along median island minus refuge rdy opgs

$(45 + 45 + 10 + 10) - (2 \times 10)$

$110 - 20 = 90$  LF

C & G - across median refuge opgs

$10 \times 2 = 20$  LF

striping - only around median island

around refuge island @ sullivan

$45 + 45 + 10 + 10 = 120$  LF

signs advance signs south of Sullivan

right lane must turn right - 2 plus 2 median signs = 4

painted arrows on rd south of Sullivan = 2

ITEM NO	ITEM UNIT	QTY	UNIT COST	TOTAL
0104 6001	SF	686	\$0.49	\$336.14
356	SF	100	\$6.00	\$600.00
454	SF	350	\$6.33	\$2,215.50
407	LF	20	\$32.00	\$640.00
407	LF	90	\$32.00	\$2,880.00
0666 6035	LF	120	\$0.84	\$100.80
0636 & 0646	EACH	4	\$650.00	\$2,600.00
0668 6019	EACH	2	\$495.00	\$990.00
				<b>\$10,362.44</b>