

Webster Economic Access Project
Preliminary Estimate of Cost - Summary

Webster Economic Access Project		Orchard Street	Mitcheldean Drive	San Jose Drive	Panama Road	Total Project (rounded to 000)
	Activities					
	Pavement Rehabilitation Activities	\$295,700	\$887,163	\$893,000	\$233,000	\$2,309,000
	Center Medians and Lane Reduction	\$235,000	\$143,900	\$235,000	\$3,000	\$617,000
	Bicycle/Pedestrian Improvements	\$175,500	\$431,150	\$414,000	\$17,000	\$1,038,000
	Street Lighting Improvements	\$105,250	\$230,400	\$232,000	\$59,000	\$627,000
	Underground Utility Improvements	\$87,800	\$270,500	\$305,000	\$83,000	\$746,000
	Landscape Improvements	\$13,600	\$38,000	\$37,000	\$4,000	\$93,000
	Subtotal Unit Cost Items	\$912,850	\$2,001,113	\$2,116,000	\$399,000	\$5,430,000
	Basic Work Zone traffic Control (4%)					\$218,000
	Survey Stakeout Operations (2%)					\$109,000
	Erosion and Sediment Control (0.5%)					\$28,000
	Subtotal Lump Sum & Direct Cost Items					\$355,000
	Subtotal Excluding Mobilization					\$5,785,000
	Mobilization (4%)					\$232,000
	Preliminary Construction Total					\$6,017,000
	Construction Contingency (20%)					\$1,204,000
	CONSTRUCTION TOTAL					\$7,221,000
	Initial Stabilization Activities					\$250,000
	ROW Survey, Mapping and Acquisition (4%)					\$289,000
	Engineering (10%)					\$721,500
	Construction Inspection / RPR (10%)					\$721,500
	PRELIMINARY TOTAL PROJECT COST					\$9,203,000

Webster Economic Access Project Project Budget by Source and Use

Webster Economic Access Project	Total Project	BUILD Funding	%	Non-Federal State	%	Non-Federal Private	%
Activities							
Subtotal Unit Construction Costs	\$5,430,000	\$4,599,210	84.7%	\$830,790	15.3%	-	0.0%
Lump Sum & Direct Cost Items	\$355,000	\$300,685	84.7%	\$54,315	15.3%	-	0.0%
Mobilization (4%)	\$232,000	\$196,504	84.7%	\$35,496	15.3%	-	0.0%
Preliminary Construction Total	\$6,017,000	\$5,096,399	84.7%	\$920,601	15.3%	-	0.0%
Construction Contingency (20%)	\$1,204,000	\$1,019,788	84.7%	\$184,212	15.3%	-	0.0%
2020 Stabilization Activities	\$250,000	\$0	0.0%	\$250,000	100.0%	\$0	0%
CONSTRUCTION TOTAL	\$7,471,000	\$6,116,000	81.9%	\$1,355,000	18.1%	\$0	0.0%
ROW Survey, Mapping and Acquisition (4%)	\$289,000	\$0	0%	\$0	0.0%	\$289,000	100.0%
Engineering (10%)	\$721,500	\$0	0.0%	\$483,500	67.0%	\$238,000	33.0%
Construction Inspection / RPR (10%)	\$721,500	\$721,500	100.0%	\$0	0.0%	\$0	0.0%
PRELIMINARY TOTAL PROJECT COST	\$9,203,000	\$6,837,500	74.3%	\$1,838,500	20.0%	\$527,000	5.7%

Total Project Cost	\$9,203,000	100%
BUILD 2020 Assistance	\$6,837,500	74.3%
NYS ESD Grant	\$1,838,500	20.0%
Private	\$527,000	5.7%

Webster Economic Access Project

Project Roadway Summary

7/1/20

Webster Economic Access Project - Quantity Take-Offs

Roadway	# of Lanes	Width (LF)	Length (LF)	Length (Miles)	Area (SY)	Area (SF)	Lane Miles
Orchard Street	5	62.5	1650	0.3125	11,458	103,125	1.5625
San Jose A	5	62.5	1400	0.27	9,722	87,500	1.325757576
San Jose B	3	37.5	1900	0.36	7,917	71,250	1.079545455
San Jose C	2	25	1775	0.34	4,931	44,375	0.672348485
San Jose			5075.0000	0.9612	22569.4444	203125.0000	3.08
Mitcheldean A	5	62.5	575	0.1089	3,993	35,938	0.544507576
Mitcheldean B	4	50	750	0.1420	4,167	37,500	0.568181818
Mitcheldean C & E	3	37.5	2250	0.4261	9,375	84,375	1.278409091
Mitcheldean D	2	25	1500	0.2841	4,167	37,500	0.568181818
Mitcheldean			5075.0000	0.9612	21701.3889	195312.5000	2.96
Panama	2	25	1650	0.3125	4,583	41,250	0.625
Total - Roadways to Transfer to Village/Town				2.55	60,312	542,813	8.23

**Village of Webster 2019 BUILD Application
Attachment C - Project Costs and Funding**

Webster Economic Access Project

Project Cost		Unit	Unit Cost	Total Quantity	Orchard Street		Mitcheldean Drive		San Jose Drive		Panama Road		Total
					Quantity	Subtotal	Quantity	Subtotal	Quantity	Subtotal	Quantity	Subtotal	
Item	Eligible Activities												
203.02	Unclassified Excavation & Disposal (20" in areas of Full Depth Reconstruction)	CY	\$40	4021	509	\$21,000	1,605	\$64,180	1,473	\$59,000	434	\$18,000	\$162,180
304.12	Subbase Course, Type 2 (12" in areas of Full Depth Reconstruction)	CY	\$38	2948	306	\$12,000	1,219	\$46,311	1,072	\$41,000	352	\$14,000	\$113,311
402.097303	9.5 F3 Top Course HMA, 70 Series Compaction (2")	Ton	\$75	6559	1,246	\$94,000	2,360	\$177,002	2,454	\$185,000	498	\$38,000	\$494,002
402.197903	19 F9 Binder Course HMA, 70 Series Compaction (4" for Full Depth Reconstruction areas)	Ton	\$70	1013	193	\$14,000	365	\$25,521	379	\$27,000	77	\$6,000	\$72,521
402.377903	37.5 F9 Binder Course HMA, 70 Series Compaction (3" for Full Depth Reconstruction areas)	Ton	\$68	760	144	\$10,000	273	\$18,594	284	\$20,000	58	\$4,000	\$52,594
1	Cold in Place Recycling (includes milling, emulsion, stone, placement) Sufficient for 4" binder	SY	\$10	60312	11,458	\$118,000	21,701	\$222,439	22,569	\$232,000	4,583	\$47,000	\$619,439
407.0102	Diluted Tack Coat	Gal	\$4.75	12062	2,292	\$11,000	4,340	\$20,616	4,514	\$22,000	917	\$5,000	\$58,616
624.01	Concrete Gutters Type BB	SF	\$13	52950	900	\$11,700	22,500	\$292,500	22050	\$287,000	7500	\$98,000	\$689,200
1	Pavement Markings	LF	\$2	23250	2,000	\$4,000	10,000	\$20,000	10,000	\$20,000	1,250	\$3,000	\$47,000
1	Saw Cut Existing Pavements (for Medians)	LF	\$2	6850	2,000	\$4,000	1,700	\$3,400	2000	\$4,000	1150	\$3,000	\$14,400
203.02	Center Median Excavation (Assume 12' wide, 36" depth = 1.33CY/LF)	CY	\$40	3333	1,333	\$54,000	667	\$27,000	1,333	\$54,000	0	\$0	\$135,000
610.1404	Topsoil - Special Planting Mix (for Center Medians)	CY	\$80	3333	1,333	\$107,000	667	\$54,000	1,333	\$107,000	0	\$0	\$268,000
609.0401	Center Median Concrete Curb (includes curb install and pavement restoration)	LF	\$35	5700	2,000	\$70,000	1,700	\$59,500	2000	\$70,000	0	\$0	\$199,500
1	Concrete Transit Stop Pads (Assume 5'x8' pad within the tree lawn)	EA	\$2,500	4	0	\$0	2	\$5,000	2	\$5,000	0	\$0	\$10,000
1	HMA Sidewalks, Driveways and Bicycle Paths (12' wide, incl excavation, subbase, binder, top)	LF	\$60.00	7425	0	\$0	3,750	\$225,000	3,675	\$221,000	0	\$0	\$446,000
1	Concrete Sidewalk (incl. excav, subbase, concrete, 5' wide, 4" thick, lawn establishment)	LF	\$55	8150	2,700	\$149,000	2,650	\$145,750	2,800	\$154,000	0	\$0	\$448,750
1	HMA Driveway Aprons (assumes 4 tons HMA per driveway apron @ \$150/T plus subbase as needed)	EA	\$800	16	4	\$4,000	4	\$3,200	2	\$2,000	6	\$5,000	\$14,200
1	Crosswalks (Assume 12" stripe, both sides)	LF	\$6	900	250	\$1,500	400	\$2,400	250	\$2,000	0	\$0	\$5,900
1	Concrete Curb Ramps	EA	\$2,900	23	2	\$6,000	12	\$34,800	5	\$15,000	4	\$12,000	\$67,800
1	Pedestrian Crossing Signals (countdown signal, conduit and timer)	EA	\$7,500	6	2	\$15,000	2	\$15,000	2	\$15,000	0	\$0	\$45,000
1	Storm Sewer (incl excavation and install of 18" HDPE in 4' deep trench)	LF	\$56	4500	300	\$16,800	1,750	\$98,000	2,000	\$112,000	450	\$26,000	\$252,800
1	Storm Manhole/Catch Basin (assumes excavation & install of new 3' dia structure)	EA	\$4,000	93	10	\$40,000	35	\$140,000	40	\$160,000	8	\$32,000	\$372,000
1	Alter existing structure, new frame and grate	EA	\$1,500	14	4	\$6,000	5	\$7,500	5	\$8,000	0	\$0	\$21,500
	Miscellaneous Storm Sewer	LS	\$25,000	4	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000	\$100,000
A	Light Pole Base (60" long)	EA	\$1,250	27	5	\$6,250	10	\$12,500	10	\$13,000	2	\$3,000	\$34,750
A	1" Conduit (includes 10 gage conductor, handhole, excavation, backfill)	LF	\$16	5302	1,500	\$24,000	1,900	\$30,400	1,900	\$31,000	2	\$1,000	\$86,400
A	Single Street Lighting LED Fixture on 16' Pole (includes pole, conductors, fixture, lamp)	EA	\$7,500	12	0	\$0	5	\$37,500	5	\$38,000	2	\$15,000	\$90,500
A	Single Street Lighting LED Fixture on 30' Pole (includes pole, conductors, fixture, lamp)	EA	\$15,000	17	5	\$75,000	5	\$75,000	5	\$75,000	2	\$30,000	\$255,000
A	Street Lighting LED Fixture on Existing Pole (includes fixture and lamp)	EA	\$5,000	32	0	\$0	15	\$75,000	15	\$75,000	2	\$10,000	\$160,000
A	Street Trees (2.5" caliper tree installed)	EA	\$800	82	12	\$9,600	35	\$28,000	35	\$28,000	0	\$0	\$65,600
A	Topsoil and Seeding (4" Topsoil Depth)	SY	\$10	2700	400	\$4,000	1,000	\$10,000	900	\$9,000	400	\$4,000	\$27,000
Construction SUB-TOTAL							\$912,850	\$2,001,113	\$2,116,000	\$399,000			\$5,429,000