

NOTES

INTERSECTION (Humphrey's St - Signalized)

	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
	High Visible Cross Walk	L-Sum	1	\$1,200.00	\$1,200
https://safety.fhwa.dot.gov/ped_bike/step/resources/	Pedestrian Crossing Improvement - Leading Pedestrian Interval Reprogramming	L-Sum	1	\$1,200.00	\$1,200
	Adaptive Transit Signal Prioritization	L-Sum	1	\$20,000.00	\$20,000
	Restrict U-Turns & Right Turn Restrictions	L-Sum	2	\$1,000	\$2,000
	ADA Curb Ramps	EACH	2	\$2,500	\$5,000
As ROW becomes available (ROW not included)	Add NB dual left turn lanes at Humphreys Street and Route 66 and additional NB receiving lane to	L-Sum	1	\$176,200	\$176,200
ESTIMATE SUBTOTAL					\$205,600

INTERSECTION (Columbus St - Signalized)

	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
	High Visible Cross Walk	L-Sum	4	\$1,200.00	\$4,800
assumes 250 SQ. FT. per corner	Increased Pedestrian Staging Area (Concrete)	SQ.FT.	1,000	\$15.00	\$15,000
	Adaptive Bicycle Detection - loops	L-Sum	1	\$5,000.00	\$5,000
	Adaptive Transit Signal Prioritization	L-Sum	1	\$20,000.00	\$20,000
	Restrict U-Turns & Right Turn Restrictions	L-Sum	2	\$1,000	\$2,000
	ADA Curb Ramps	EACH	8	\$2,500	\$20,000
ESTIMATE SUBTOTAL					\$66,800

INTERSECTION (Forest Ave - Stop)

	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
	Raised Medians/Pedestrian Refuge (concrete)	SQ.FT.	750	\$15.00	\$11,250
https://safety.fhwa.dot.gov/ped_bike/step/resources/	Pedestrian crossing hybrid beacon	L-Sum	1	\$57,680.00	\$57,680
	ADA Curb Ramps	EACH	8	\$2,500	\$20,000
	Sidewalk widening (concrete)	SQ.FT.	6,000	\$15.00	\$90,000
	Combined Bike Lane/Right Turn Lane	L-Sum	1	\$1,400	\$1,400
ESTIMATE SUBTOTAL					\$180,330

INTERSECTION (Sechrist Elementary School)

	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
	NB Right Turn Lane Extension	L-Sum	1	\$35,600.00	\$35,600
https://safety.fhwa.dot.gov/ped_bike/step/resources/	Pedestrian crossing hybrid beacon	L-Sum	1	\$57,680.00	\$57,680
	ADA Curb Ramps	EACH	4	\$2,500	\$10,000
	Advanced pedestrian warning signage	Each	2	\$500	\$1,000
	Existing bus stop on the NB side (east side)	Each	1	\$10,000	\$10,000
	Enhanced lighting	Each	4	\$3,000	\$12,000
ESTIMATE SUBTOTAL					\$126,280

INTERSECTION (Schultz Pass Drive - Signalized)

	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
	ADA Curb Ramps	EACH	8	\$2,500	\$20,000
	Adaptive Bicycle Detection - loops	L-Sum	1	\$5,000.00	\$5,000
	Adaptive Transit Signal Prioritization	L-Sum	1	\$20,000.00	\$20,000
ESTIMATE SUBTOTAL					\$45,000

INTERSECTION (Snow Bowl Road - Stop)

	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
	Additional left turn lane (SB Snow Bowl Rd)	L-Sum	1	\$41,500.00	\$41,500
	Additional NB receiving lane on Snow Bowl Road (Striping only)	L-Sum	1	\$2,400	\$2,400
	High Visible Cross Walk	L-Sum	4	\$1,200.00	\$4,800
https://safety.fhwa.dot.gov/ped_bike/step/resources/	Pedestrian crossing hybrid beacon	L-Sum	1	\$57,680.00	\$57,680
	Roundabout			N/A (pending further consideration)	
ESTIMATE SUBTOTAL					\$106,380

Other Locations

	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
	Pedestrian crossing hybrid beacon	L-Sum	4	\$57,680.00	\$230,720
	Shoulder widening between Magdalena Rd (MP 219.16) and Hidden Hollow Rd (MP 219.65)	L-Sum	1	\$261,000	\$261,000
	Planned bus stop on the NB side of Anderson Road (east side)	Each	1	\$10,000.00	\$10,000
ESTIMATE SUBTOTAL					\$501,720

Spot Improvement Total					\$1,232,110
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**ESTIMATE OF PROBABLE COSTS
US 180 CORRIDOR MASTER PLAN**

No-Build+ Spot Improvements

DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
SPOT IMPROVEMENTS	L.S.	1	\$1,232,110	\$1,232,110
DCR DETAILED ESTIMATE SUBTOTAL				\$1,232,110
MISCELLANEOUS WORK (20%)	COST	20%		\$246,422
Subtotal				\$1,478,532
DUST PALLIATIVE (1%)	COST	1%		\$14,785
FURNISH WATER (1%)	COST	1%		\$14,785
MAINTENANCE AND PROTECTION OF TRAFFIC (12%)	COST	12%		\$177,424
EROSION CONTROL AND POLLUTION PREVENTION (1%)	COST	1%		\$14,785
CONTRACTOR QUALITY CONTROL (2%)	COST	2%		\$29,571
CONSTRUCTION SURVEYING AND LAYOUT (2%)	COST	2%		\$29,571
Subtotal				\$1,759,453
MOBILIZATION (10%)	COST	10%		\$175,945
Subtotal				\$1,935,398
CONTIGENCIES (5%)	COST	5%		\$96,770
CONSTRUCTION ENGINEERING (9%)	COST	9%		\$174,186
Subtotal				\$2,206,354
DETAILED ESTIMATE				\$2,206,354
ENGINEERING DESIGN (8%)	COST	8%		\$176,508
UTILITIES (20%)	COST	20%		\$441,271
Subtotal				\$617,779
OTHER COST TOTAL				\$617,779
SUMMARY				
DETAILED ESTIMATE				\$2,206,000
OTHER COST TOTAL				\$618,000
TOTAL PROJECT CONSTRUCTION COST				\$2,824,000