DESCRIPTION sible Cross Walk ian Crossing Improvement - Leading Pedestrian Interval Reprogramming e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps idual left turn lanes at Humphreys Street and Route 66 and additional NB receiving lane to ATE SUBTOTAL SECTION (Columbus St - Signalized) DESCRIPTION sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps lk widening (concrete) ed Bike Lane/Right Turn Lane ATE SUBTOTAL	UNIT L-Sum L-Sum L-Sum L-Sum EACH L-Sum SQ.FT. L-Sum L-Sum EACH UNIT SQ.FT. L-Sum EACH UNIT L-Sum EACH	QUANTITY 1 1 1 2 2 1 1 1 1 2 2 1 1 QUANTITY 4 1,000 1 1 2 8 6,000 1	\$1,200.00 \$1,200.00 \$20,000.00 \$1,000 \$2,500 \$176,200 PRICE \$1,200.00 \$15.00 \$5,000.00 \$1,000 \$2,500	## AMOUNT \$1,200 \$1,200 \$2,000 \$2,000 \$5,000 \$176,200 ## AMOUNT ## \$4,800 \$20,000 \$20,000 \$20,000 ## AMOUNT ## AMOUN
rian Crossing Improvement - Leading Pedestrian Interval Reprogramming e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps dual left turn lanes at Humphreys Street and Route 66 and additional NB receiving lane to ATE SUBTOTAL SECTION (Columbus St - Signalized) DESCRIPTION sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps Ik widening (concrete) ed Bike Lane/Right Turn Lane	L-Sum L-Sum EACH L-Sum SQ.FT. L-Sum EACH UNIT SQ.FT. L-Sum EACH	QUANTITY 4 1,000 1 2 8 QUANTITY 750 1 8 6,000	\$1,200.00 \$20,000.00 \$1,000 \$2,500 \$176,200 \$176,200 \$15.00 \$5,000.00 \$20,000.00 \$1,000 \$2,500 \$7,680.00 \$2,500 \$15.00	\$1,200 \$20,000 \$2,000 \$5,000 \$176,200 \$205,600 AMOUNT \$4,800 \$20,000 \$2,000 \$2,000 \$2,000 \$11,250 \$57,680 \$20,000
e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps dual left turn lanes at Humphreys Street and Route 66 and additional NB receiving lane to ATE SUBTOTAL SECTION (Columbus St - Signalized) DESCRIPTION sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps Ik widening (concrete) ed Bike Lane/Right Turn Lane	L-Sum L-Sum EACH L-Sum UNIT L-Sum SQ.FT. L-Sum EACH UNIT SQ.FT. L-Sum EACH	1 2 2 1 1 1	\$20,000.00 \$1,000 \$2,500 \$176,200 \$176,200 \$1,200.00 \$15.00 \$5,000.00 \$20,000.00 \$1,000 \$2,500 \$15.00 \$57,680.00 \$2,500 \$15.00	\$20,000 \$2,000 \$5,000 \$176,200 \$205,600 \$4,800 \$5,000 \$20,000 \$20,000 \$20,000 \$466,800 \$11,250 \$57,680 \$20,000
U-Turns & Right Turn Restrictions urb Ramps dual left turn lanes at Humphreys Street and Route 66 and additional NB receiving lane to ATE SUBTOTAL SECTION (Columbus St - Signalized) DESCRIPTION sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps lk widening (concrete) ed Bike Lane/Right Turn Lane	L-Sum EACH L-Sum UNIT L-Sum SQ.FT. L-Sum L-Sum EACH UNIT SQ.FT. L-Sum EACH	QUANTITY 4 1,000 1 1 2 8 QUANTITY 750 1 8 6,000	\$1,000 \$2,500 \$176,200 \$176,200 \$1,200.00 \$1,200.00 \$5,000.00 \$2,500 \$2,500 \$7,680.00 \$2,500 \$15.00	\$2,000 \$5,000 \$176,200 \$205,600 \$4,800 \$15,000 \$20,000 \$2,000 \$20,000 \$466,800 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000
and left turn lanes at Humphreys Street and Route 66 and additional NB receiving lane to the ATE SUBTOTAL SECTION (Columbus St - Signalized) DESCRIPTION sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps lk widening (concrete) ed Bike Lane/Right Turn Lane ATE SUBTOTAL	UNIT L-Sum SQ.FT. L-Sum L-Sum L-Sum EACH UNIT SQ.FT. L-Sum EACH	2 1 1 QUANTITY 4 1,000 1 1 2 8 8	\$2,500 \$176,200 \$176,200 \$1,200.00 \$15.00 \$5,000.00 \$20,000.00 \$2,500 \$15.00 \$7,680.00 \$2,500 \$15.00	\$5,000 \$176,200 \$205,600 AMOUNT \$4,800 \$15,000 \$2,000 \$2,000 \$2,000 \$2,000 \$11,250 \$57,680 \$20,000
ATE SUBTOTAL SECTION (Columbus St - Signalized) DESCRIPTION Sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps k widening (concrete) ed Bike Lane/Right Turn Lane	UNIT L-Sum SQ.FT. L-Sum L-Sum EACH UNIT SQ.FT. L-Sum EACH	QUANTITY 4 1,000 1 1 2 8 QUANTITY 750 1 8 6,000	\$176,200 PRICE \$1,200.00 \$15.00 \$5,000.00 \$20,000.00 \$2,500 PRICE \$15.00 \$57,680.00 \$2,500 \$15.00	\$176,200 \$205,600 \$4,800 \$15,000 \$5,000 \$2,000 \$2,000 \$2,000 \$1,000 \$4,800 \$5,000 \$2
ATE SUBTOTAL SECTION (Columbus St - Signalized) DESCRIPTION sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps k widening (concrete) ed Bike Lane/Right Turn Lane	UNIT L-Sum SQ.FT. L-Sum L-Sum EACH UNIT SQ.FT. L-Sum EACH	QUANTITY 4 1,000 1 1 2 8 QUANTITY 750 1 8 6,000	PRICE \$1,200.00 \$15.00 \$5,000.00 \$20,000.00 \$1,000 \$2,500 PRICE \$15.00 \$57,680.00 \$2,500 \$15.00	\$205,600 AMOUNT \$4,800 \$15,000 \$2,000 \$2,000 \$2,000 \$21,000 \$4,000 \$2,000
SECTION (Columbus St - Signalized) DESCRIPTION sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps Ik widening (concrete) ed Bike Lane/Right Turn Lane	L-Sum SQ.FT. L-Sum L-Sum EACH	4 1,000 1 1 2 8 8 QUANTITY 750 1 8 6,000	\$1,200.00 \$15.00 \$5,000.00 \$20,000.00 \$1,000 \$2,500 \$15.00 \$57,680.00 \$2,500 \$15.00	\$4,800 \$15,000 \$5,000 \$20,000 \$20,000 \$66,800 \$11,250 \$57,680 \$20,000
SECTION (Columbus St - Signalized) DESCRIPTION sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps Ik widening (concrete) ed Bike Lane/Right Turn Lane	L-Sum SQ.FT. L-Sum L-Sum EACH	4 1,000 1 1 2 8 8 QUANTITY 750 1 8 6,000	\$1,200.00 \$15.00 \$5,000.00 \$20,000.00 \$1,000 \$2,500 \$15.00 \$57,680.00 \$2,500 \$15.00	\$4,800 \$15,000 \$5,000 \$20,000 \$20,000 \$66,800 \$11,250 \$57,680 \$20,000
DESCRIPTION sible Cross Walk ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) rian crossing hybrid beacon urb Ramps lik widening (concrete) ed Bike Lane/Right Turn Lane	L-Sum SQ.FT. L-Sum L-Sum EACH	4 1,000 1 1 2 8 8 QUANTITY 750 1 8 6,000	\$1,200.00 \$15.00 \$5,000.00 \$20,000.00 \$1,000 \$2,500 \$15.00 \$57,680.00 \$2,500 \$15.00	\$4,800 \$15,000 \$5,000 \$2,000 \$2,000 \$20,000 \$66,800 AMOUNT \$11,250 \$57,680 \$20,000
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ed Pedestrian Staging Area (Concrete) e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps Ik widening (concrete) ed Bike Lane/Right Turn Lane	SQ.FT. L-Sum L-Sum EACH UNIT SQ.FT. L-Sum EACH	1,000 1 1 2 8 QUANTITY 750 1 8 6,000	\$15.00 \$5,000.00 \$20,000.00 \$1,000 \$2,500 PRICE \$15.00 \$57,680.00 \$2,500 \$15.00	\$15,000 \$5,000 \$20,000 \$2,000 \$20,000 \$66,800 AMOUNT \$11,250 \$57,680 \$20,000
e Bicycle Detection - loops e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps Ik widening (concrete) ed Bike Lane/Right Turn Lane	L-Sum L-Sum EACH UNIT SQ.FT. L-Sum EACH	1 1 2 8 QUANTITY 750 1 8 6,000	\$5,000.00 \$20,000.00 \$1,000 \$2,500 PRICE \$15.00 \$57,680.00 \$2,500 \$15.00	\$5,000 \$20,000 \$2,000 \$20,000 \$66,800 AMOUNT \$11,250 \$57,680 \$20,000
e Transit Signal Prioritization U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps Ik widening (concrete) ed Bike Lane/Right Turn Lane	L-Sum L-Sum EACH UNIT SQ.FT. L-Sum EACH SQ.FT.	1 2 8 QUANTITY 750 1 8 6,000	\$20,000.00 \$1,000 \$2,500 PRICE \$15.00 \$57,680.00 \$2,500 \$15.00	\$20,000 \$2,000 \$20,000 \$66,800 AMOUNT \$11,250 \$57,680 \$20,000
U-Turns & Right Turn Restrictions urb Ramps ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps Ik widening (concrete) led Bike Lane/Right Turn Lane	UNIT SQ.FT. L-Sum EACH SQ.FT.	2 8 QUANTITY 750 1 8 6,000	\$1,000 \$2,500 PRICE \$15.00 \$57,680.00 \$2,500 \$15.00	\$2,000 \$20,000 \$66,800 AMOUNT \$11,250 \$57,680 \$20,000
ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) rian crossing hybrid beacon rb Ramps lk widening (concrete) ed Bike Lane/Right Turn Lane	UNIT SQ.FT. L-Sum EACH SQ.FT.	750 1 8 6,000	\$2,500 PRICE \$15.00 \$57,680.00 \$2,500 \$15.00	\$20,000 \$66,800 AMOUNT \$11,250 \$57,680 \$20,000
ATE SUBTOTAL SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) rian crossing hybrid beacon ruth Ramps lk widening (concrete) ed Bike Lane/Right Turn Lane	UNIT SQ.FT. L-Sum EACH SQ.FT.	QUANTITY 750 1 8 6,000	PRICE \$15.00 \$57,680.00 \$2,500 \$15.00	\$66,800 AMOUNT \$11,250 \$57,680 \$20,000
SECTION (Forest Ave - Stop) DESCRIPTION Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps lk widening (concrete) ed Bike Lane/Right Turn Lane	SQ.FT. L-Sum EACH SQ.FT.	750 1 8 6,000	\$15.00 \$57,680.00 \$2,500 \$15.00	AMOUNT \$11,250 \$57,680 \$20,000
DESCRIPTION Medians/Pedestrian Refuge (concrete) rian crossing hybrid beacon rb Ramps lk widening (concrete) ed Bike Lane/Right Turn Lane	SQ.FT. L-Sum EACH SQ.FT.	750 1 8 6,000	\$15.00 \$57,680.00 \$2,500 \$15.00	\$11,250 \$57,680 \$20,000
DESCRIPTION Medians/Pedestrian Refuge (concrete) rian crossing hybrid beacon rb Ramps lk widening (concrete) ed Bike Lane/Right Turn Lane	SQ.FT. L-Sum EACH SQ.FT.	750 1 8 6,000	\$15.00 \$57,680.00 \$2,500 \$15.00	\$11,250 \$57,680 \$20,000
Medians/Pedestrian Refuge (concrete) ian crossing hybrid beacon urb Ramps Ik widening (concrete) ed Bike Lane/Right Turn Lane	SQ.FT. L-Sum EACH SQ.FT.	750 1 8 6,000	\$15.00 \$57,680.00 \$2,500 \$15.00	\$11,250 \$57,680 \$20,000
rian crossing hybrid beacon urb Ramps Ik widening (concrete) ed Bike Lane/Right Turn Lane	L-Sum EACH SQ.FT.	1 8 6,000	\$57,680.00 \$2,500 \$15.00	\$57,680 \$20,000
urb Ramps Ik widening (concrete) ied Bike Lane/Right Turn Lane ATE SUBTOTAL	EACH SQ.FT.	8 6,000	\$2,500 \$15.00	\$20,000
lk widening (concrete) ed Bike Lane/Right Turn Lane	SQ.FT.	6,000	\$15.00	
ed Bike Lane/Right Turn Lane				Ψ00,000
				\$1,400
				\$180,330

SECTION (Sechrist Elementary School) DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
nt Turn Lane Extension	L-Sum	1	\$35,600.00	\$35,600
rian crossing hybrid beacon	L-Sum	1	\$57,680.00	\$57,680
urb Ramps	EACH	4	\$2,500	\$10,000
ed pedestrian warning signage	Each	2	\$500	\$1,000
bus stop on the NB side (east side)	Each	1	\$10,000	\$10,000
ed lighting	Each	4	\$3,000	\$12,000
ATE SUBTOTAL				\$126,280
				7.23,200
	HINIT	OHANTITY	PRICE	AMOUNT
				\$20,000
·				\$5,000
				\$20,000
- Tallot Olgitar Frontization	2 04	•	\$20,000.00	Ψ20,000
ATE SUBTOTAL				\$45,000
SECTION (Snow Bowl Road - Stop)				
DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
nal left turn lane (SB Snow Bowl Rd)	L-Sum	1	\$41,500.00	\$41,500
nal NB receiving lane on Snow Bowl Road (Striping only)	L-Sum	1	\$2,400	\$2,400
sible Cross Walk	L-Sum	4	\$1,200.00	\$4,800
ian crossing hybrid beacon	L-Sum			\$57,680 on)
		(F3		,
ATE SUBTOTAL				\$106,380
Locations				
DESCRIPTION	UNIT	QUANTITY		AMOUNT
rian crossing hybrid beacon				\$230,720
		1		\$261,000 \$10,000
d bus stop on the NB side of Anderson Road (east side)				
, ,				\$501,720
n s i i	DESCRIPTION al left turn lane (SB Snow Bowl Road - Stop) DESCRIPTION al left turn lane (SB Snow Bowl Rod) al NB receiving lane on Snow Bowl Road (Striping only) ible Cross Walk an crossing hybrid beacon bout TE SUBTOTAL DESCRIPTION an crossing hybrid beacon r widening between Magdalena Rd (MP 219.16) and Hidden Hollow Rd (MP 219.65) bus stop on the NB side of Anderson Road (east side)	DESCRIPTION The Ramps EACH Be Bicycle Detection - loops Transit Signal Prioritization TE SUBTOTAL BECTION (Snow Bowl Road - Stop) DESCRIPTION All left turn lane (SB Snow Bowl Rd) L-Sum All NB receiving lane on Snow Bowl Road (Striping only) L-Sum L-Sum L-Sum L-Sum L-Sum L-Sum L-Sum L-Sum L-Sum DESCRIPTION L-Sum L-Sum L-Sum DESCRIPTION L-Sum L-Sum L-Sum L-Sum DESCRIPTION L-Sum L-Sum DESCRIPTION L-Sum L-Sum DESCRIPTION L-Sum L-Sum L-Sum DESCRIPTION L-Sum L-Sum L-Sum DESCRIPTION L-Sum L-	DESCRIPTION UNIT QUANTITY the Ramps EACH 8 Be Bicycle Detection - loops Transit Signal Prioritization TE SUBTOTAL SECTION (Snow Bowl Road - Stop) DESCRIPTION UNIT QUANTITY all left turn lane (SB Snow Bowl Rd) I Al NB receiving lane on Snow Bowl Road (Striping only) I Be Cross Walk I L-Sum I L-Sum I N/A (pending functions) TE SUBTOTAL TE SUBTOTAL DESCRIPTION UNIT QUANTITY An crossing hybrid beacon UNIT QUANTITY I N/A (pending functions) TE SUBTOTAL DESCRIPTION UNIT QUANTITY An crossing hybrid beacon L-Sum I N/A (pending functions) L-Sum I N/A (pending functions) DESCRIPTION UNIT QUANTITY An crossing hybrid beacon L-Sum I L-Sum I N/A (pending functions) DESCRIPTION UNIT QUANTITY EACH CANNEL CONTINUE CONTI	DESCRIPTION

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