

## Appendix 1 Cost Estimates

**ID** Raised Median

Description: Raised median between Sophia Pkwy and Shadowfox Lane with provision of left-turn pockets at the unsignalized cross streets and driveways.

**Total Project Cost**  
(2014 Dollars)

**\$ 1,667,100**

**Total Construction Costs:** \$ 1,111,100  
**Total Right of Way Costs:** \$ -  
**Total Capital Support Costs:** \$ 556,000

Construction Costs											
Roadway Items						Structure Items					
Section	Description	Quantity	Unit	Unit Price	Cost	Structure	Description	Quantity	Unit	Unit Price	Cost
1	Roadway Excavation	885	CY	\$ 40.00	\$ 35,400	1	Bridge at Road Street		SF	\$ 300.00	\$ -
1	Import Fill	0	CY	\$ 19.00	\$ -	2			SF	\$ -	\$ -
1	Earthwork Contingency	10%		of Excavation and Fill	\$ 4,000	3			SF	\$ -	\$ -
2	Curb	3500	LF	\$ 26.00	\$ 91,000	4			SF	\$ -	\$ -
				Subtotal Section 1-3:	\$ 130,400	5			SF	\$ -	\$ -
4	Water Pollution Control	0%		of Sections 1-3	\$ -	6			SF	\$ -	\$ -
4	Minor Concrete (Colored)	5835	SY	\$ 117.00	\$ 682,700				Subtotal Structure Items:	\$ -	\$ -
4	Wet Utility Adjustments / Relocations	0	LS	\$ 50,000.00	\$ -		Contingency for Structure Items:	40%	Contingency Cost	\$ -	\$ -
5	Traffic Items	20%		of Sections 1-3	\$ 27,000		<b>Total Structure Item Cost:</b>		<b>\$ -</b>		
6	Planting and Irrigation	0	LS	\$ 100,000.00	\$ -						
7	Erosion Control	0%		of Sections 1-3	\$ -						
				Subtotal Section 4-7:	\$ 709,700						
8	Minor Items	10% Sect 1-7		\$ 840,100	\$ 85,000						
9	Roadway Mobilization	10% Sect 1-8		\$ 925,100	\$ 93,000						
10	Supplemental Work	10% Sect 1-8		\$ 925,100	\$ 93,000						
10	Contingencies	40% Sect 1-8		\$ 925,100	\$ 371,000						
				Subtotal Sections 8-10:	\$ 271,000						
				<b>Total Roadway Item Cost:</b>	<b>\$ 1,111,100</b>						

  

Construction Cost Summary			
Roadway Items	\$	1,111,100	
Structure Items	\$	-	
<b>Total Construction Costs:</b>	<b>\$</b>	<b>1,111,100</b>	

LM = Lane Mile Equivalent

Capital Support Costs		
Description	%	Cost
Project Initiation Document (PID)	10%	\$ 111,110
Project Engineering (PA/ED and PS&E)	20%	\$ 222,220
Construction Support / Construction Management	15%	\$ 166,665
Right of Way Support	5%	\$ 55,555
<b>Total Professional Services Cost:</b>		<b>\$ 556,000</b>

Right of Way				
Parcel Type	Quantity	Unit	Unit Price	Cost
Commercial	0	AC	\$ -	\$ -
Residential	0	AC	\$ -	\$ -
Undeveloped	0	AC	\$ -	\$ -
			Subtotal Structure Items:	\$ -
	Contingency for Right of Way Items:	25%	Contingency Cost	\$ -
			<b>Total Right of Way Cost:</b>	<b>\$ -</b>

Assumptions	
1) LF = Lane Foot (12' lane equivalent)	5)
2) No Significant Utility Relocation	6)
3)	7)
4)	8)

Assumptions	
9)	13)
10)	14)
11)	15)
12)	16)

**ID Sidewalks**

Description: El Dorado Hills Blvd to Silva Valley Pkwy on the northside of Green Valley Road. Assuming 6' sidewalk, 2' curb/gutter.

**Total Project Cost**  
(2014 Dollars)

**\$ 448,700**

**Total Construction Costs:** \$ 298,700  
**Total Right of Way Costs:** \$ -  
**Total Capital Support Costs:** \$ 150,000

Construction Costs						Structure Items					
Roadway Items						Structure Items					
Section	Description	Quantity	Unit	Unit Price	Cost	Structure	Description	Quantity	Unit	Unit Price	Cost
1	Roadway Excavation	240	CY	\$ 40.00	\$ 9,700	1	Bridge at Road Street		SF	\$ 300.00	\$ -
1	Import Fill	0	CY	\$ 19.00	\$ -	2			SF	\$ -	\$ -
	Earthwork Contingency	10%		of Excavation and Fill	\$ 1,000	3			SF	\$ -	\$ -
2	Sidewalk, Curb and Gutter	900	LF	\$ 70.00	\$ 63,000	4			SF	\$ -	\$ -
3	Storm Water Collection System	1	LS	\$ 15,000.00	\$ 15,000	5			SF	\$ -	\$ -
				Subtotal Section 1-3:	\$ 88,700	6			SF	\$ -	\$ -
						7			SF	\$ -	\$ -
4	Water Pollution Control	5%		of Sections 1-3	\$ 5,000						
4	Minor Concrete	0	SY	\$ 45.00	\$ -		Contingency for Structure Items:	40%		Contingency Cost	\$ -
4	Wet Utility Adjustments / Relocations	0	LS	\$ 50,000.00	\$ -					<b>Total Structure Item Cost:</b>	\$ -
5	Traffic Items	25%		of Sections 1-3	\$ 23,000						
6	Planting and Irrigation	1	LS	\$ 100,000.00	\$ 100,000						
7	Erosion Control	10%		of Sections 1-3	\$ 9,000						
				Subtotal Section 4-7:	\$ 137,000						
8	Minor Items	10% Sect 1-7		\$ 225,700	\$ 23,000						
9	Roadway Mobilization	10% Sect 1-8		\$ 248,700	\$ 25,000						
10	Supplemental Work	10% Sect 1-8		\$ 248,700	\$ 25,000						
10	Contingencies	40% Sect 1-8		\$ 248,700	\$ 100,000						
				Subtotal Sections 8-10:	\$ 73,000						
				<b>Total Roadway Item Cost:</b>	\$ 298,700						
											<b>Total Construction Costs:</b> \$ 298,700

LM = Lane Mile Equivalent

Capital Support Costs		
Description	%	Cost
Project Initiation Document (PID)	10%	\$ 29,870
Project Engineering (PA/ED and PS&E)	20%	\$ 59,740
Construction Support / Construction Management	15%	\$ 44,805
Right of Way Support	5%	\$ 14,935
		<b>Total Professional Services Cost: \$ 150,000</b>

Right of Way					
Parcel Type	Quantity	Unit	Unit Price	Cost	
Commercial	0	AC	\$ -	\$ -	\$ -
Residential	0	AC	\$ -	\$ -	\$ -
Undeveloped	0	AC	\$ -	\$ -	\$ -
				Subtotal Structure Items:	\$ -
				Contingency Cost	\$ -
				<b>Total Right of Way Cost:</b>	\$ -

Assumptions	
1) LF = Lane Foot (12' lane equivalent)	5)
2) No Significant Utility Relocation	6)
3)	7)
4)	8)

Assumptions	
9)	13)
10)	14)
11)	15)
12)	16)

**ID** Class II Bike Lane

Description: El Dorado Hills Blvd to Silva Valley Pkwy on the north and south side of Green Valley Road. Assuming 8' wide bike lanes.

**Total Project Cost**  
(2014 Dollars)

**\$ 431,500**

Total Construction Costs: \$ 287,500  
Total Right of Way Costs: \$ -  
Total Capital Support Costs: \$ 144,000

Construction Costs						Structure Items					
Roadway Items						Structure Items					
Section	Description	Quantity	Unit	Unit Price	Cost	Structure	Description	Quantity	Unit	Unit Price	Cost
1	Roadway Excavation	888	CY	\$ 40.00	\$ 35,600	1	Bridge at Road Street		SF	\$ 300.00	\$ -
1	Import Fill	0	CY	\$ 19.00	\$ -	2			SF	\$ -	\$ -
	Earthwork Contingency	10%	of Excavation and Fill		\$ 4,000	3			SF	\$ -	\$ -
2	Highway Pavement Section	0	LM	\$ 738,000.00	\$ -	4			SF	\$ -	\$ -
2	Local Roadway Pavement Section	0.23	LM	\$ 495,000.00	\$ 113,900	5			SF	\$ -	\$ -
3	Storm Water Collection System	1	LS	\$ 20,000.00	\$ 20,000	5			SF	\$ -	\$ -
				Subtotal Section 1-3:	\$ 173,500	7			SF	\$ -	\$ -
						8			SF	\$ -	\$ -
4	Water Pollution Control	0%	of Sections 1-3	\$ -	\$ -				Subtotal Structure Items:	\$ -	\$ -
4	Minor Concrete	0	SY	\$ 45.00	\$ -		Contingency for Structure Items:	40%	Contingency Cost	\$ -	\$ -
4	Wet Utility Adjustments / Relocations	0	LS	\$ 50,000.00	\$ -		<b>Total Structure Item Cost:</b>		<b>\$ -</b>		
5	Traffic Items	25%	of Sections 1-3	\$ -	\$ 44,000						
7	Erosion Control	0%	of Sections 1-3	\$ -	\$ -						
				Subtotal Section 4-7:	\$ 44,000						
8	Minor Items	10%	Sect 1-7	\$ 217,500	\$ 22,000						
9	Roadway Mobilization	10%	Sect 1-8	\$ 239,500	\$ 24,000						
10	Supplemental Work	10%	Sect 1-8	\$ 239,500	\$ 24,000						
10	Contingencies	40%	Sect 1-8	\$ 239,500	\$ 96,000						
				Subtotal Sections 8-10:	\$ 70,000						
				<b>Total Roadway Item Cost:</b>	<b>\$ 287,500</b>						
									Roadway Items	\$ 287,500	
									Structure Items	\$ -	
									<b>Total Construction Costs:</b>	<b>\$ 287,500</b>	

LM = Lane Mile Equivalent

Capital Support Costs		
Description	%	Cost
Project Initiation Document (PID)	10%	\$ 28,750
Project Engineering (PA/ED and PS&E)	20%	\$ 57,500
Construction Support / Construction Management	15%	\$ 43,125
Right of Way Support	5%	\$ 14,375
<b>Total Professional Services Cost:</b>		<b>\$ 144,000</b>

Right of Way				
Parcel Type	Quantity	Unit	Unit Price	Cost
Commercial	0	AC	\$ -	\$ -
Residential	0	AC	\$ -	\$ -
Undeveloped	0	AC	\$ -	\$ -
			Subtotal Structure Items:	\$ -
			Contingency Cost	\$ -
			<b>Total Right of Way Cost:</b>	<b>\$ -</b>

Assumptions	
1) LF = Lane Foot (12' lane equivalent)	5)
2) No Significant Utility Relocation	6)
3)	7)
4)	8)

Assumptions	
9)	13)
10)	14)
11)	15)
12)	16)

**ID** **Widen Shoulder**

Description: El Dorado Hills Blvd to Silva Valley Pkwy on the north and south side of Green Valley Road. Assuming 8' shoulders with curb and gutter.

**Total Project Cost**  
(2014 Dollars)

**\$ 916,300**

**Total Construction Costs:** \$ 610,300  
**Total Right of Way Costs:** \$ -  
**Total Capital Support Costs:** \$ 306,000

Construction Costs											
Roadway Items					Structure Items						
Section	Description	Quantity	Unit	Unit Price	Cost	Structure	Description	Quantity	Unit	Unit Price	Cost
1	Roadway Excavation	888	CY	\$ 40.00	\$ 35,600	1	Bridge at Road Street		SF	\$ 300.00	\$ -
1	Import Fill	0	CY	\$ 19.00	\$ -	2			SF	\$ -	\$ -
1	Earthwork Contingency	10%	of Excavation and Fill		\$ 4,000	3			SF	\$ -	\$ -
2	Highway Pavement Section	0	LM	\$ 738,000.00	\$ -	4			SF	\$ -	\$ -
2	Local Roadway Pavement Section	0.23	LM	\$ 495,000.00	\$ 113,900	5			SF	\$ -	\$ -
2	Trail Pavement Section	0	LM	\$ 248,000.00	\$ -	6			SF	\$ -	\$ -
2	Curb	1800	LF	\$ 26.00	\$ 46,800	7			SF	\$ -	\$ -
3	Storm Water Collection System	1	LS	\$ 20,000.00	\$ 20,000	8			SF	\$ -	\$ -
				Subtotal Section 1-3:	\$ 220,300	9			SF	\$ -	\$ -
						10			SF	\$ -	\$ -
4	Water Pollution Control	5%	of Sections 1-3		\$ 12,000						
4	Minor Concrete	0	SY	\$ 45.00	\$ -		Contingency for Structure Items:	40%		Contingency Cost	\$ -
4	Wet Utility Adjustments / Relocations	1	LS	\$ 50,000.00	\$ 50,000					<b>Total Structure Item Cost:</b>	\$ -
5	Traffic Items	25%	of Sections 1-3		\$ 56,000						
6	Planting and Irrigation	1	LS	\$ 100,000.00	\$ 100,000						
7	Erosion Control	10%	of Sections 1-3		\$ 23,000						
				Subtotal Section 4-7:	\$ 241,000						
8	Minor Items	10% Sect 1-7		\$ 461,300	\$ 47,000						
9	Roadway Mobilization	10% Sect 1-8		\$ 508,300	\$ 51,000						
10	Supplemental Work	10% Sect 1-8		\$ 508,300	\$ 51,000						
10	Contingencies	40% Sect 1-8		\$ 508,300	\$ 204,000						
				Subtotal Sections 8-10:	\$ 149,000						
				<b>Total Roadway Item Cost:</b>	<b>\$ 610,300</b>						
										<b>Total Construction Costs:</b>	<b>\$ 610,300</b>

LM = Lane Mile Equivalent

Capital Support Costs			
Description	%	Cost	
Project Initiation Document (PID)	10%	\$ 61,030	
Project Engineering (PA/ED and PS&E)	20%	\$ 122,060	
Construction Support / Construction Management	15%	\$ 91,545	
Right of Way Support	5%	\$ 30,515	
			<b>Total Professional Services Cost: \$ 306,000</b>

Right of Way				
Parcel Type	Quantity	Unit	Unit Price	Cost
Commercial	0	AC	\$ -	\$ -
Residential	0	AC	\$ -	\$ -
Undeveloped	0	AC	\$ -	\$ -
			Subtotal Structure Items:	\$ -
			Contingency for Right of Way Items:	25%
			Contingency Cost:	\$ -
			<b>Total Right of Way Cost:</b>	<b>\$ -</b>

Assumptions	
1) LF = Lane Foot (12' lane equivalent)	5)
2) No Significant Utility Relocation	6)
3)	7)
4)	8)

Assumptions	
9)	13)
10)	14)
11)	15)
12)	16)

**ID** **Widen Shoulder**

Description: Ponderosa Road to N Shingle Road on the north and south side of Green Valley Road. Assuming 8' shoulders with curb and gutter.

**Total Project Cost**  
(2014 Dollars)

**\$ 1,615,500**

**Total Construction Costs:** \$ 1,076,500  
**Total Right of Way Costs:** \$ -  
**Total Capital Support Costs:** \$ 539,000

Construction Costs											
Roadway Items					Structure Items						
Section	Description	Quantity	Unit	Unit Price	Cost	Structure	Description	Quantity	Unit	Unit Price	Cost
1	Roadway Excavation	1271	CY	\$ 40.00	\$ 50,900	1	Bridge at Road Street		SF	\$ 300.00	\$ -
1	Import Fill	0	CY	\$ 19.00	\$ -	2			SF	\$ -	\$ -
1	Earthwork Contingency	10%	of Excavation and Fill		\$ 6,000	3			SF	\$ -	\$ -
2	Highway Pavement Section	0	LM	\$ 738,000.00	\$ -	4			SF	\$ -	\$ -
2	Local Roadway Pavement Section	0.56	LM	\$ 495,000.00	\$ 277,200	5			SF	\$ -	\$ -
2	Trail Pavement Section	0	LM	\$ 248,000.00	\$ -	6			SF	\$ -	\$ -
2	Curb	4400	LF	\$ 26.00	\$ 114,400	7			SF	\$ -	\$ -
3	Storm Water Collection System	1	LS	\$ 25,000.00	\$ 25,000	8			SF	\$ -	\$ -
				Subtotal Section 1-3:	\$ 473,500	9			SF	\$ -	\$ -
						10			SF	\$ -	\$ -
4	Water Pollution Control	5%	of Sections 1-3		\$ 24,000				Subtotal Structure Items: \$ -		
4	Minor Concrete	0	SY	\$ 45.00	\$ -		Contingency for Structure Items:	40%	Contingency Cost \$ -		
4	Wet Utility Adjustments / Relocations	1	LS	\$ 50,000.00	\$ 50,000				<b>Total Structure Item Cost: \$ -</b>		
5	Traffic Items	25%	of Sections 1-3		\$ 119,000						
6	Planting and Irrigation	1	LS	\$ 100,000.00	\$ 100,000						
7	Erosion Control	10%	of Sections 1-3		\$ 48,000						
				Subtotal Section 4-7:	\$ 341,000						
8	Minor Items	10% Sect 1-7		\$ 814,500	\$ 82,000						
9	Roadway Mobilization	10% Sect 1-8		\$ 896,500	\$ 90,000						
10	Supplemental Work	10% Sect 1-8		\$ 896,500	\$ 90,000						
10	Contingencies	40% Sect 1-8		\$ 896,500	\$ 359,000						
				Subtotal Sections 8-10:	\$ 262,000						
				<b>Total Roadway Item Cost:</b>	<b>\$ 1,076,500</b>						
											<b>Total Construction Costs: \$ 1,076,500</b>

LM = Lane Mile Equivalent

Capital Support Costs			
Description	%	Cost	
Project Initiation Document (PID)	10%	\$	107,650
Project Engineering (PA/ED and PS&E)	20%	\$	215,300
Construction Support / Construction Management	15%	\$	161,475
Right of Way Support	5%	\$	53,825
		<b>Total Professional Services Cost:</b>	<b>\$ 539,000</b>

Right of Way				
Parcel Type	Quantity	Unit	Unit Price	Cost
Commercial	0	AC	\$ -	\$ -
Residential	0	AC	\$ -	\$ -
Undeveloped	0	AC	\$ -	\$ -
			Subtotal Structure Items:	\$ -
			Contingency for Right of Way Items:	25%
			Contingency Cost:	\$ -
			<b>Total Right of Way Cost:</b>	<b>\$ -</b>

Assumptions	
1) LF = Lane Foot (12' lane equivalent)	5)
2) No Significant Utility Relocation	6)
3)	7)
4)	8)

Assumptions	
9)	13)
10)	14)
11)	15)
12)	16)

**ID** Left-Turn Pocket

Description: Back-to-back left-turn pockets on Green Valley Road between Loch Way and Church Access.

**Total Project Cost**  
(2014 Dollars)

**\$ 418,300**

**Total Construction Costs:** \$ 278,300  
**Total Right of Way Costs:** \$ -  
**Total Capital Support Costs:** \$ 140,000

Construction Costs					
Roadway Items					
Section	Description	Quantity	Unit	Unit Price	Cost
1	Roadway Excavation	987	CY	\$ 40.00	\$ 39,500
1	Import Fill	0	CY	\$ 19.00	\$ -
1	Earthwork Contingency	10%	of Excavation and Fill		\$ 4,000
2	Highway Pavement Section	0	LM	\$ 738,000.00	\$ -
2	Local Roadway Pavement Section	0.25	LM	\$ 495,000.00	\$ 123,800
2	Trail Pavement Section	0	LM	\$ 248,000.00	\$ -
Subtotal Section 1-3:					\$ 167,300
4	Water Pollution Control	0%	of Sections 1-3		\$ -
4	Minor Concrete	0	SY	\$ 45.00	\$ -
4	Wet Utility Adjustments / Relocations	0	LS	\$ 50,000.00	\$ -
5	Traffic Items	25%	of Sections 1-3		\$ 42,000
Subtotal Section 4-7:					\$ 42,000
8	Minor Items	10%	Sect 1-7	\$ 209,300	\$ 21,000
9	Roadway Mobilization	10%	Sect 1-8	\$ 230,300	\$ 24,000
10	Supplemental Work	10%	Sect 1-8	\$ 230,300	\$ 24,000
10	Contingencies	40%	Sect 1-8	\$ 230,300	\$ 93,000
Subtotal Sections 8-10:					\$ 69,000
<b>Total Roadway Item Cost:</b>					<b>\$ 278,300</b>

  

Structure Items					
Structure	Description	Quantity	Unit	Unit Price	Cost
1	Bridge at Road Street		SF	\$ 300.00	\$ -
2			SF	\$ -	\$ -
3			SF	\$ -	\$ -
4			SF	\$ -	\$ -
5			SF	\$ -	\$ -
6			SF	\$ -	\$ -
9			SF	\$ -	\$ -
10			SF	\$ -	\$ -
Subtotal Structure Items:					\$ -
Contingency for Structure Items: 40%					Contingency Cost \$ -
<b>Total Structure Item Cost:</b>					<b>\$ -</b>

  

Construction Cost Summary			
Roadway Items	\$	278,300	
Structure Items	\$	-	
<b>Total Construction Costs:</b>	<b>\$</b>	<b>278,300</b>	

LM = Lane Mile Equivalent

Capital Support Costs		
Description	%	Cost
Project Initiation Document (PID)	10%	\$ 27,830
Project Engineering (PA/ED and PS&E)	20%	\$ 55,660
Construction Support / Construction Management	15%	\$ 41,745
Right of Way Support	5%	\$ 13,915
<b>Total Professional Services Cost:</b>		<b>\$ 140,000</b>

Right of Way				
Parcel Type	Quantity	Unit	Unit Price	Cost
Commercial	0	AC	\$ -	\$ -
Residential	0	AC	\$ -	\$ -
Undeveloped	0	AC	\$ -	\$ -
Subtotal Structure Items:				\$ -
Contingency for Right of Way Items: 25%				Contingency Cost \$ -
<b>Total Right of Way Cost:</b>				<b>\$ -</b>

Assumptions	
1) LF = Lane Foot (12' lane equivalent)	5)
2) No Significant Utility Relocation	6)
3)	7)
4)	8)

Assumptions	
9)	13)
10)	14)
11)	15)
12)	16)

**ID** **Minor Street Alignment**

Description: Realignment of Malcolm Dixon Road.

**Total Project Cost**  
(2014 Dollars)

**\$ 455,500**

**Total Construction Costs:** \$ 303,500

**Total Right of Way Costs:** \$ -

**Total Capital Support Costs:** \$ 152,000

Construction Costs											
Roadway Items					Structure Items						
Section	Description	Quantity	Unit	Unit Price	Cost	Structure	Description	Quantity	Unit	Unit Price	Cost
1	Roadway Excavation	555	CY	\$ 40.00	\$ 22,200	1	Bridge at Road Street		SF	\$ 300.00	\$ -
1	Import Fill	0	CY	\$ 19.00	\$ -	2			SF	\$ -	\$ -
1	Earthwork Contingency	10%		of Excavation and Fill	\$ 3,000	3			SF	\$ -	\$ -
2	Highway Pavement Section	0	LM	\$ 738,000.00	\$ -	4			SF	\$ -	\$ -
2	Local Roadway Pavement Section	0.14	LM	\$ 495,000.00	\$ 69,300	5			SF	\$ -	\$ -
2	Trail Pavement Section	0	LM	\$ 248,000.00	\$ -	6			SF	\$ -	\$ -
2	Sidewalk, Curb and Gutter	600	LF	\$ 70.00	\$ 42,000	7			SF	\$ -	\$ -
3	Storm Water Collection System	1	LS	\$ 25,000.00	\$ 25,000	8			SF	\$ -	\$ -
				Subtotal Section 1-3:	\$ 161,500	9			SF	\$ -	\$ -
						10			SF	\$ -	\$ -
4	Water Pollution Control	5%		of Sections 1-3	\$ 9,000						
4	Minor Concrete	0	SY	\$ 45.00	\$ -		Contingency for Structure Items:	40%		Contingency Cost	\$ -
4	Wet Utility Adjustments / Relocations	0	LS	\$ 50,000.00	\$ -					<b>Total Structure Item Cost:</b>	\$ -
5	Traffic Items	25%		of Sections 1-3	\$ 41,000						
5	Install Signal	0	EA	\$ 300,000.00	\$ -						
6	Planting and Irrigation	0	LS	\$ 100,000.00	\$ -						
7	Erosion Control	10%		of Sections 1-3	\$ 17,000						
				Subtotal Section 3-7:	\$ 67,000						
8	Minor Items	10%	Sect 1-7	\$ 228,500	\$ 23,000						
9	Roadway Mobilization	10%	Sect 1-8	\$ 251,500	\$ 26,000						
10	Supplemental Work	10%	Sect 1-8	\$ 251,500	\$ 26,000						
10	Contingencies	40%	Sect 1-8	\$ 251,500	\$ 101,000						
				Subtotal Sections 8-10:	\$ 75,000						
				<b>Total Roadway Item Cost:</b>	<b>\$ 303,500</b>						
											<b>Total Construction Costs:</b> \$ 303,500

LM = Lane Mile Equivalent

Capital Support Costs		
Description	%	Cost
Project Initiation Document (PID)	10%	\$ 30,350
Project Engineering (PA/ED and PS&E)	20%	\$ 60,700
Construction Support / Construction Management	15%	\$ 45,525
Right of Way Support	5%	\$ 15,175
<b>Total Professional Services Cost:</b>		<b>\$ 152,000</b>

Right of Way				
Parcel Type	Quantity	Unit	Unit Price	Cost
Commercial	0	AC	\$ -	\$ -
Residential	0	AC	\$ -	\$ -
Undeveloped	0	AC	\$ -	\$ -
			Subtotal Structure Items:	\$ -
			Contingency for Right of Way Items:	25%
			Contingency Cost	\$ -
			<b>Total Right of Way Cost:</b>	<b>\$ -</b>

Assumptions	
1) LF = Lane Foot (12' lane equivalent)	5)
2) No Significant Utility Relocation	6)
3)	7)
4)	8)

Assumptions	
9)	13)
10)	14)
11)	15)
12)	16)



**ID** Widen Travel Lane

Description: Widen northbound approach at Green Valley Road/Cameron Park Dr intersection to include 11' foot lane storage and accommodate u-turns.

**Total Project Cost**  
(2014 Dollars)

**\$ 248,900**

Total Construction Costs: \$ 165,900  
Total Right of Way Costs: \$ -  
Total Capital Support Costs: \$ 83,000

<b>Construction Costs</b>											
<b>Roadway Items</b>					<b>Structure Items</b>						
Section	Description	Quantity	Unit	Unit Price	Cost	Structure	Description	Quantity	Unit	Unit Price	Cost
1	Roadway Excavation	278	CY	\$ 40.00	\$ 11,200	1	Bridge at Road Street		SF	\$ 300.00	\$ -
1	Import Fill	0	CY	\$ 19.00	-	2			SF	\$ -	\$ -
	Earthwork Contingency	10%	of Excavation and Fill		\$ 2,000	3			SF	\$ -	\$ -
2	Highway Pavement Section	0	LM	\$ 738,000.00	-	4			SF	\$ -	\$ -
2	Local Roadway Pavement Section	0.07	LM	\$ 495,000.00	\$ 34,700	5			SF	\$ -	\$ -
2	Trail Pavement Section	0	LM	\$ 248,000.00	-	6			SF	\$ -	\$ -
2	Sidewalk, Curb and Gutter	600	LF	\$ 70.00	\$ 42,000	7			SF	\$ -	\$ -
3	Storm Water Collection System	1	LS	\$ 10,000.00	\$ 10,000	8			SF	\$ -	\$ -
	Subtotal Section 1-3:				\$ 99,900	9			SF	\$ -	\$ -
	Subtotal Section 4-7:				\$ 25,000	10			SF	\$ -	\$ -
	Subtotal Sections 8-10:				\$ 41,000					Subtotal Structure Items: \$ -	
4	Water Pollution Control	0%	of Sections 1-3		\$ -					Contingency for Structure Items: 40% Contingency Cost \$ -	
4	Minor Concrete	0	SY	\$ 45.00	-						<b>Total Structure Item Cost: \$ -</b>
4	Wet Utility Adjustments / Relocations	0	LS	\$ 50,000.00	-						
5	Traffic Items	25%	of Sections 1-3		\$ 25,000						
8	Minor Items	10%	Sect 1-7		\$ 124,900						
9	Roadway Mobilization	10%	Sect 1-8		\$ 137,900						
10	Supplemental Work	10%	Sect 1-8		\$ 137,900						
10	Contingencies	40%	Sect 1-8		\$ 56,000						
<b>Total Roadway Item Cost:</b>					<b>\$ 165,900</b>						<b>Total Construction Costs: \$ 165,900</b>

LM = Lane Mile Equivalent

Description	%	Cost
Project Initiation Document (PID)	10%	\$ 16,590
Project Engineering (PA/ED and PS&E)	20%	\$ 33,180
Construction Support / Construction Management	15%	\$ 24,885
Right of Way Support	5%	\$ 8,295
<b>Total Professional Services Cost:</b>		<b>\$ 83,000</b>

<b>Assumptions</b>	
1) LF = Lane Foot (12' lane equivalent)	5)
2) No Significant Utility Relocation	6)
3)	7)
4)	8)

<b>Right of Way</b>				
Parcel Type	Quantity	Unit	Unit Price	Cost
Commercial	0	AC	\$ -	\$ -
Residential	0	AC	\$ -	\$ -
Undeveloped	0	AC	\$ -	\$ -
Subtotal Structure Items:				\$ -
Contingency for Right of Way Items: 25%				Contingency Cost \$ -
<b>Total Right of Way Cost:</b>				<b>\$ -</b>

<b>Assumptions</b>	
9)	13)
10)	14)
11)	15)
12)	16)