

Conceptual Level Construction Cost Estimate

(3) Improvements to Pleasant Hill Road (No Collector Distributor on I-85)					
Item Number	Quantity	Unit	Unit Price	Item Description	Cost
	1	LS	\$1,500,000.00	Right of Way ⁽¹⁾	\$1,500,000.00
	1	LS	\$250,000.00	Clearing and Grubbing	\$250,000.00
	1	EA	\$70,000.00	Field Engineers Office	\$60,000.00
	1	LS	\$200,000.00	Bridge Demolition	\$200,000.00
	1	LS	\$4,845,000.00	New Bridge at I-85 and Pleasant Hill Road	\$4,845,000.00
	20000	CY	\$6.00	Unclassified Excavation	\$120,000.00
	25000	CY	\$8.00	Borrow Excavation, Inc. Materials	\$200,000.00
	1	LS	\$150,000.00	Grading Complete	\$150,000.00
	1	LS	\$1,000,000.00	Retaining Walls	\$1,000,000.00
	1	LS	\$250,000.00	Erosion Control	\$250,000.00
	2400	TN	\$110.00	Asph. Conc. Superpave (Full Depth)	\$264,000.00
	2100	TN	\$110.00	Asph. Conc. Superpave (Overlay)	\$231,000.00
	6000	GA	\$2.00	Tack Coat	\$12,000.00
	12000	SY	\$20.00	Milling Exist. Asph. Conc.	\$240,000.00
	5000	SY	\$20.00	Conc. Sidewalk	\$100,000.00
	9000	LF	\$25.00	Curb and Gutter Type 2	\$225,000.00
	7000	LF	\$25.00	Curb and Gutter Type 7	\$175,000.00
	1200	SY	\$50.00	Conc. Median	\$60,000.00
	2500	LF	\$30.00	Storm Drain Pipe (18")	\$75,000.00
	1500	LF	\$45.00	Storm Drain Pipe (24")	\$67,500.00
	500	LF	\$60.00	Storm Drain Pipe (36")	\$30,000.00
	12	EA	\$2,000.00	Manholes	\$24,000.00
	30	EA	\$2,000.00	Curb Inlets	\$60,000.00
	20	EA	\$1,000.00	Adjust Manhole to Grade	\$20,000.00
	1	LS	\$200,000.00	Pavement Markings	\$200,000.00
	1	LS	\$400,000.00	New and Upgrade Signals	\$400,000.00
	4500	LF	\$60.00	Streetscaping	\$270,000.00
Subtotal					\$11,028,500.00
	1	LS		Mobilization (3%)	\$330,855.00
	1	LS		Traffic Control (3%)	\$330,855.00
	1	LS		Contingency (8%)	\$882,280.00
	1	LS		Inflation (3 Years @ 3% per/year)	\$992,565.00
				Estimated PE (10%)	\$1,102,850.00
Total Cost					\$14,667,905.00

(1) Actual Right of Way cost may vary based on a more detailed analysis of the requirements and availability

Conceptual Level Construction Cost Estimate

(4) Improvements to the Pleasant Hill Road Interchange (With Collector Distributor on I-85)					
Item Number	Quantity	Unit	Unit Price	Item Description	Cost
	1	LS	\$3,000,000.00	Right of Way ⁽¹⁾	\$3,000,000.00
	1	LS	\$250,000.00	Clearing and Grubbing	\$250,000.00
	1	EA	\$70,000.00	Field Engineers Office	\$60,000.00
	1	LS	\$200,000.00	Bridge Demolition	\$200,000.00
	1	LS	\$7,000,000.00	New Bridge at I-85 and Pleasant Hill Road ⁽²⁾	\$7,000,000.00
	40000	CY	\$6.00	Unclassified Excavation	\$240,000.00
	30000	CY	\$8.00	Borrow Excavation, Inc. Materials	\$240,000.00
	1	LS	\$250,000.00	Grading Complete	\$250,000.00
	1	LS	\$4,000,000.00	Retaining Walls	\$4,000,000.00
	2000	LF	\$200.00	Guard Rail (Including End Section)	\$400,000.00
	1	LS	\$300,000.00	Erosion Control	\$300,000.00
	7840	TN	\$110.00	Asph. Conc. Superpave (Full Depth)	\$862,400.00
	2000	TN	\$110.00	Asph. Conc. Superpave (Overlay)	\$220,000.00
	3390	GA	\$2.00	Tack Coat	\$6,780.00
	2700	SY	\$20.00	Milling Exist. Asph. Conc.	\$54,000.00
	1000	SY	\$20.00	Conc. Sidewalk	\$20,000.00
	400	LF	\$25.00	Curb and Gutter Type 2	\$10,000.00
	6000	LF	\$150.00	Conc. Barrier Wall	\$900,000.00
	2500	LF	\$30.00	Storm Drain Pipe (18")	\$75,000.00
	1500	LF	\$45.00	Storm Drain Pipe (24")	\$67,500.00
	700	LF	\$60.00	Storm Drain Pipe (36")	\$42,000.00
	20	EA	\$2,000.00	Manholes	\$40,000.00
	40	EA	\$2,000.00	Inlets	\$80,000.00
	2	EA	\$1,000.00	Adjust Manhole to Grade	\$2,000.00
	1	LS	\$250,000.00	Pavement Markings	\$250,000.00
	1	LS	\$150,000.00	New and Upgrade Signals	\$150,000.00
	7000	LF	\$40.00	Streetscaping	\$280,000.00
Subtotal					\$18,999,680.00
	1	LS		Mobilization (3%)	\$569,990.40
	1	LS		Traffic Control (8%)	\$1,519,974.40
	1	LS		Contingency (8%)	\$1,519,974.40
	1	LS		Inflation (3 Years @ 3% per/year)	\$1,709,971.20
				Estimated PE (10%)	\$1,899,968.00
Total Cost					\$26,219,558.40

(1) Actual Right of Way cost may vary based on a more detailed analysis of the requirements and availability

(2) The actual difference in cost between Concept 3 and 4 is \$2.2 million

Conceptual Level Construction Cost Estimate

(5) Improvements to Venture Drive					
Item Number	Quantity	Unit	Unit Price	Item Description	Cost
	1	LS	\$1,000,000.00	Right of Way ⁽¹⁾	\$1,000,000.00
	1	LS	\$200,000.00	Clearing and Grubbing	\$200,000.00
	1	EA	\$70,000.00	Field Engineers Office	\$60,000.00
	10000	CY	\$6.00	Unclassified Excavation	\$60,000.00
	10000	CY	\$8.00	Borrow Excavation, Inc. Materials	\$80,000.00
	1	LS	\$100,000.00	Grading Complete	\$100,000.00
	1	LS	\$100,000.00	Retaining Walls	\$100,000.00
	1	LS	\$150,000.00	Erosion Control	\$150,000.00
	2000	TN	\$110.00	Asph. Conc. Superpave (Full Depth)	\$220,000.00
	1000	TN	\$110.00	Asph. Conc. Superpave (Overlay)	\$110,000.00
	2500	GA	\$2.00	Tack Coat	\$5,000.00
	8000	SY	\$20.00	Milling Exist. Asph. Conc.	\$160,000.00
	3844	SY	\$20.00	Conc. Sidewalk	\$76,880.00
	6920	LF	\$25.00	Curb and Gutter Type 2	\$173,000.00
	6000	LF	\$25.00	Curb and Gutter Type 7	\$150,000.00
	1000	SY	\$50.00	Conc. Median	\$50,000.00
	2500	LF	\$30.00	Storm Drain Pipe (18")	\$75,000.00
	500	LF	\$45.00	Storm Drain Pipe (24")	\$22,500.00
	300	LF	\$60.00	Storm Drain Pipe (36")	\$18,000.00
	10	EA	\$2,000.00	Manholes	\$20,000.00
	30	EA	\$2,000.00	Curb Inlets	\$60,000.00
	16	EA	\$1,000.00	Adjust Manhole to Grade	\$16,000.00
	1	LS	\$150,000.00	Pavement Markings	\$150,000.00
	1	LS	\$0.00	New and Upgrade Signals	\$0.00
	1	LS	\$150,000.00	Adjust Signals	\$150,000.00
	6920	LF	\$60.00	Streetscaping	\$415,200.00
Subtotal					\$3,621,580.00
	1	LS		Mobilization (3%)	\$108,647.40
	1	LS		Traffic Control (3%)	\$108,647.40
	1	LS		Contingency (8%)	\$289,726.40
	1	LS		Inflation (3 Years @ 3% per/year)	\$325,942.20
				Estimated PE (10%)	\$362,158.00
Total Cost					\$4,816,701.40

(1) Actual Right of Way cost may vary based on a more detailed analysis of the requirements and availability