



Cost Estimate
for
Lee Road Extension Tiger Grant Application
Douglas County, GA
October 6, 2011

General Purpose Roadway Capacity: **New Alignment**

Roadway Type: **Urban with raised median**

Total Number of Lanes:	No Build Condition	Build Condition
	0	4

Project Length: **1.2 miles**

Estimated Cost* : \$6,847,000.00

Components Used to Develop Unit Cost Per Lane Mile

Specific Components	Unit/Cost	Quantity/Mile	Cost/Mile	Total Cost/mile to Build 4 Lanes
Pavement	\$70.00	7,040 (SY)	\$492,800.00	\$1,971,200.00
C & G	\$15.00	5,280 (LF)	\$79,200.00	\$316,800.00
Sidewalk	\$20.00	2,933 (SY)	\$58,660.00	\$58,660.00
Multi Use Trail	\$35.00	2,933 (SY)	\$102,655.00	\$102,655.00
Subtotal =			\$733,315.00	\$2,449,315.00

Mark-up Items	Percent Components	Cost/mile	Total Cost/mile to Build 4 Lanes
Earthwork	25%	\$183,330.00	\$733,320.00
Drainage	55%	\$403,330.00	\$1,613,320.00
Erosion Control	25%	\$183,330.00	\$733,320.00
Landscaping	2%	\$14,670.00	\$58,680.00
Lighting	2%	\$14,670.00	\$58,680.00
Traffic Control	1%	\$7,340.00	\$29,360.00
Signing and Marking	1%	\$7,340.00	\$29,360.00
Subtotal =		\$814,010.00	\$3,256,040.00

Total Approximate Cost for One Roadway Lane Mile = **\$1,547,325.00** **\$5,705,355.00**

*Costs based on ARC 2010 costing tool spreadsheet.

Preliminary Right of Way Cost Estimate

Date: 10/6/2011
Project: Lee Road Extension
Existing/Required R/W: 110'
Project Termini: Extension of Lee Road from SR 92 to Santa Rosa Way&Bomar

P.I. Number:
No. Parcels: 6

Project Description: 4 lane roadway with landscaped median and 14' wide sidewalk

Land:	Residential		578,000 sq ft	\$130,680 /acre @ \$3 /sq ft	=	\$1,734,000.00
					=	\$0.00
					=	\$0.00
			Subtotal		=	\$1,734,000.00
Improvements:	Landscaping, sign, misc, site improvements				=	\$0.00
Relocation:	Commercial	0		@ \$25,000	=	\$0.00
Damage:	Proximity	1		@ \$25,000	=	\$25,000.00
	Consequential	0		@ \$25,000	=	\$0.00
	Cost to Cure	1		@ \$43,000	=	\$43,000.00
				Net Cost	=	\$1,802,000.00
				Scheduling Contingency 55%	=	\$991,100.00
				Adm/Court Cost 60%	=	\$1,675,860.00
					=	\$4,468,960.00

Total Right of Way Cost \$4,469,000.00

Note:The Market Appreciation (40%) is not included in the updated Preliminary Cost Estimate.



G R E S H A M
S M I T H A N D
P A R T N E R S

Cost Estimate - TOTAL COST
for
Lee Road Extension Tiger Grant Application
Douglas County, GA
October 6, 2011

Roadway Construction	\$	6,847,000.00
Roundabout/Intersection	\$	1,100,000.00
Subtotal Construction Costs	\$	7,947,000.00
Contingency	\$	794,700.00
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Total Construction Costs	\$	8,741,700.00
Right of Way	\$	4,468,960.00
Preliminary Engineering	\$	900,000.00
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Total	\$	14,110,660.00