

COST ESTIMATE SUMMARY

Project: Relocation of 20" Transmissio/ 20" Distribution
Division: Water
Location: Lower Keys (Areas 1/2)

NO.	DESCRIPTION	TOTAL
01	Pavement Replacement	\$13,698
02	Excavation and Backfill	\$53,534
03	2-20" C900 DR18	\$240,425
04	Dewatering	\$30,766
05	Maintenance of Traffic	\$33,842

TOTAL DIRECT COST		\$372,264
General Conditions	10.0%	\$37,226
	Subtotal	\$409,491
Contingency	15.0%	\$55,840
	Subtotal	\$465,330
General Contractor Overhead, Profit & Risk	15.0%	\$55,840
	Subtotal	\$521,170
Sales Tax (Based on 50% of Total Direct Cost)	7.5%	\$13,960
	Subtotal	\$535,130

Bid Market Allowance	2.5%	\$9,307
TOTAL ESTIMATED CONSTRUCTION COST (rounded)		\$544,436
<i>Engineering Design, Permitting, and Construction Services</i>	15%	\$81,665
Total Project Cost		\$626,102

DETAILED COST BREAKDOWN

DESCRIPTION	UNIT	QTY	UNIT COST
01 PAVEMENT REPLACEMENT			
Asphalt Pavement Cutting	inLF	140	\$0.64
Remove 2"-3" of Asphalt Paving	SF	5,600	\$0.43
2" AC Paving on College Road	LF	280	\$40.00
01 Subtotal =			\$13,697.60
02 EXCAVATION AND BACKFILL			
Cat 225 Trackhoe, 1CY Bucket, Class C (Medium Digging), 0-16' D	CY	444	\$6.39
Imported Pipe Bed & Zone/Confined Structure Backfill, Class B Material	CY	222	\$68.71
Native Trench Backfill/Unconfined Struct. BF, Class B Material	CY	185	\$33.71

Debris Hauling, 20 CY Dump Truck	CY	222	\$10.90
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Subtotal =	\$26,766.75
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02 Subtotal =	\$53,533.50
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03 PIPE REPLACEMENT

20" C-900 DR18	LF	1,000	\$180.00
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20" Bends	EA	5	\$3,332.90
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20" Butterfly Valve	EA	4	\$8,500.00
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20"x 20" Tapping Sleeve	EA	1	\$9,760.69
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03 Subtotal =	\$240,425.19
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04 DEWATERING

Dewatering	LS	1	\$30,765.63
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04 Subtotal =	\$30,765.63
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05 MAINTENANCE OF TRAFFIC

MOT	LS	1	\$33,842.19
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05 Subtotal =	\$33,842.19
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SUBTOTAL	SOURCE	NOTES
\$89.60	Carollo cost estimates	Assume 50' on either side of pipe trench
\$2,408.00	Carollo cost estimates	
\$11,200.00	Sombrero Project	both lanes
		Assume asphalt pavement on WF housing property will be done as part of that project
\$2,839.48	Carollo cost estimates	6' deep trench, 4' width
\$15,263.33	Carollo Cost estimates	48" deep pipe bedding
\$6,242.59	Carollo Cost Estimates	2' layer of native fill between pipe bedding and road ABC. Includes placing and compaction

\$2,421.34 Carollo Cost estimates Includes non-reusable excavated material. Cost for 25 mph, 30 mi. round trip

for (2) 20" pipes

\$180,000.00 Average cost C-905 Total LF of 20"; includes labor, equipment, and restraints

\$16,664.50 Carollo Cost Estimates tie in to transmission with 90

\$34,000.00 Average cost C-905 cost

\$9,760.69 Carollo cost estimates Tie in for distribution

\$30,765.63 Allocation 10% of the sum of construction costs (01+02+03)

\$33,842.19 Allocation 10% of construction costs including dewatering

