











<u>PROJECT COST ESTIMATE</u>			
		Estimate Level	Level I
Project Name: WINCHESTER MAIN EXTENSION			
Work Order #:		Program ID:	ENI101
Company:	Liberty Utilities - Gas	Bid Area:	NH
City:	WINCHESTER	Overhead Area:	Energy North
State:	NH	Date Requested:	9/21/2015
Reimbursable :	Yes	Date Completed:	9/24/2015
		Estimated By:	ITC
		Project CY	CY15
New Main (length/size/matl):		9950'6"/PL & 4675'2"/PL	
Abandon Main (length/size/matl):			
Number of Services Involved:		89	
Scope of Work:			
TOTALS: 9950' 6" PL - 5200' off pave - 800' in pave town - 3000' sidewalk (no curb) - 950' in pave private 4675' 2" PL - 2250' off pave - 275' in pave town - 1225' sidewalk (no curb) - 925' in pave private (83) 1/2" & 1" 100' SVC (6) 2" SVC 200'			
		Liberty Labor (Mgt.)	\$0.00
		Liberty Labor (Union)	\$0.00
		Contractor Labor	\$785,265.64
		Traffic Control	\$78,255.76
		Stock Materials	\$102,867.00
		Non-Stock Materials	\$0.00
		Degradation Fees	\$0.00
		Other	\$71,225.00
		Total Direct Cost	\$1,037,613.40
		Overheads	
	Company Mgt. Labor (%)	123.62%	\$0.00
	Company Union Labor (%)	123.62%	\$0.00
	Transportation (%)	0.00%	\$0.00
	Contractor Labor (%)	35.00%	\$274,842.98
	Stock Material (%)	2.74%	\$2,818.56
		Subtotal	\$1,315,274.93
		Capital Overhead (%)	0.00%
		Subtotal	\$1,315,274.93
		AFUDC	\$0.00
		Total Project Estimate	\$1,315,274.93
		Contingency (%)	10%
		Equivalent Overall OH (%)	27%
Comments:			

<u>PROJECT COST ESTIMATE</u>			
		Estimate Level	Level I
Project Name:		ROUTE 10, KEENE MAIN EXTENSION	
Work Order #:			
Company:		Liberty Utilities - Gas	
City:		SWANZEY	
State:		NH	
Reimbursable :		Yes	
New Main (length/size/matl):		4000'/6"/PL & 6970'/2"/PL	
Abandon Main (length/size/matl):			
Number of Services Involved:		80	
Scope of Work:			
TOTALS: 4000' 6" PL - 2700' off pave - 1000' in pave town - 300' in pave private 6970' 2" PL - 3970 off pave - 1750' in pave town - 1250' in pave private (37) 1" COM SVC (43) 1/2" RESI SVC			
Liberty Labor (Mgt.)		\$0.00	
Liberty Labor (Union)		\$0.00	
Contractor Labor		\$614,653.62	
Traffic Control		\$47,794.56	
Stock Materials		\$71,715.18	
Non-Stock Materials		\$389.14	
Degradation Fees		\$0.00	
Other		\$38,500.00	
		Total Direct Cost	\$773,052.50
Overheads			
Company Mgt. Labor (%)	123.62%	\$0.00	
Company Union Labor (%)	123.62%	\$0.00	
Transportation (%)	0.00%	\$0.00	
Contractor Labor (%)	35.00%	\$215,128.77	
Stock Material (%)	2.74%	\$1,965.00	
		Subtotal	\$990,146.26
Capital Overhead (%)		0.00%	\$0.00
		Subtotal	\$990,146.26
AFUDC		\$0.00	
Total Project Estimate		\$990,146.26	
Contingency (%)		10%	
Equivalent Overall OH (%)		28%	
Comments:			

<u>PROJECT COST ESTIMATE</u>			
		Estimate Level	Level I
Project Name:		ROUTE 12, KEENE MAIN EXTENSION	
Work Order #:			
Company:		Liberty Utilities - Gas	
City:		SWANZEY	
State:		NH	
Reimbursable :		Yes	
Program ID:		ENI101	
Bid Area:		NH	
Overhead Area:		Energy North	
Date Requested:		9/21/2015	
Date Completed:		9/24/2015	
Estimated By:		ITC	
Project CY		CY15	
New Main (length/size/matl):		8800'/6"/PL & 1800'/2"/PL	
Abandon Main (length/size/matl):			
Number of Services Involved:		96	
Scope of Work:			
TOTALS: 8800' 6" PL - 6700' off pave - 1250' in pave town - 850' in pave private 1800' 2" PL - 1400' off pave - 250' in pave town - 150' in pave private (53) 1" COM SVC (43) 1/2" RESI SVC			
Liberty Labor (Mgt.)		\$0.00	
Liberty Labor (Union)		\$0.00	
Contractor Labor		\$628,120.48	
Traffic Control		\$69,982.44	
Stock Materials		\$108,169.23	
Non-Stock Materials		\$0.00	
Degradation Fees		\$0.00	
Other		\$64,900.00	
		Total Direct Cost	\$871,172.15
Overheads			
Company Mgt. Labor (%)	123.62%	\$0.00	
Company Union Labor (%)	123.62%	\$0.00	
Transportation (%)	0.00%	\$0.00	
Contractor Labor (%)	35.00%	\$219,842.17	
Stock Material (%)	2.74%	\$2,963.84	
		Subtotal	\$1,093,978.15
Capital Overhead (%)		0.00%	\$0.00
		Subtotal	\$1,093,978.15
AFUDC		\$0.00	
Total Project Estimate		\$1,093,978.15	
Contingency (%)		10%	
Equivalent Overall OH (%)		26%	
Comments:			

Route 12 corridor

	GPM			
Miles from Keene distribution	1.5			
Commercial Businesses along this route	43	\$ 93,331	6 Year GPM	\$ 559,986
Single family residences	33		8 year GPM	\$ 144,936
Condo Complex units	40		8 Year GPM	\$ 175,680
				\$ 880,602
Swanzy Distribution	1200'			
Commercial Businesses	11	\$ 13,208	6 Year GPM	\$ 79,248
single family residences	0			
				\$ 959,850 TOTAL

Route 10 corridor

Miles from Keene distribution	1.1			
Commercial Businesses along this route	46	\$ 96,771	6 Year GPM	\$ 580,626
single family residences	15		8 Year GPM	\$ 65,880
Swanzy Distribution	1100'			
Commercial Businesses	3	\$ 20,565	6 Year GPM	\$ 123,390
single fam residences (townhomes)	28		8 Year GPM	\$ 122,976
				\$ 892,872 TOTAL

Winchester System

Miles of main	2.32			
Commercial Businesses along this route	44	\$ 99,790	6 Year GPM	\$ 598,740
Single family residences	33		8 year GPM	\$ 144,936
Condo Complex units	52		8 Year GPM	\$ 228,384
				\$ 972,060 TOTAL
				\$ 2,824,782 TOTAL

<u>PROJECT COST ESTIMATE</u>			
		Estimate Level	Level I
Project Name: RIN8 GE PART 1 MAIN EXTENSION			
Work Order #:		Program ID:	ENI101
Company:	Liberty Utilities - Gas	Bid Area:	NH
City:	UN000	Overhead Area:	Energy North
State:	NH	Date Requested:	9/21/2015
Reimbursable :	Yes	Date Completed:	9/24/2015
		Estimated By:	ITC
		Project CY	CY15
New Main (length/size/matl):		8200'8"/PL 14000'4"/PL & 2850'2"/PL	
Abandon Main (length/size/matl):			
Number of Services Involved:		55	
Scope of Work:			
1. 1.54 miles of 8" along Rte 202 off pavement to intersection of Rte 119 2. One 4" directional bore under Rte 202 to supply Walmart/Hannaford complex 3. One 850' 2" main with two 25' 1" services for Market Basket complex 4. One 1000' 2" main with eight 75' services. 5. Six 200' services 6. Two 750' services 7. One 250' service 8. Two 4" directional bores for Rte 119 9. 2.5 miles of 4" from the intersection of Rte 202 and Rte 119 up and thru Franklin Pierce College 10. 1000' of 2" main with four 100' services (1" each) 11. Thirty services under 100' (20 will be 2" and 10 will be 1")			
		Liberty Labor (Mgt.)	\$0.00
		Liberty Labor (Union)	\$0.00
		Contractor Labor	\$1,170,103.78
		Traffic Control	\$156,692.80
		Stock Materials	\$186,982.17
		Non-Stock Materials	\$0.00
		Degradation Fees	\$0.00
		Other	\$144,100.00
		Total Direct Cost	\$1,657,878.75
		Overheads	
	Company Mgt. Labor (%)	123.62%	\$0.00
	Company Union Labor (%)	123.62%	\$0.00
	Transportation (%)	0.00%	\$0.00
	Contractor Labor (%)	35.00%	\$409,536.32
	Stock Material (%)	2.74%	\$5,123.31
		Subtotal	\$2,072,538.38
		Capital Overhead (%)	0.00%
		Subtotal	\$2,072,538.38
		AFUDC	\$0.00
		Total Project Estimate	\$2,072,538.38
		Contingency (%)	10%
		Equivalent Overall OH (%)	25%
Comments:			

PROJECT COST ESTIMATE

	Estimate Level	Level I
Project Name:	RINDGE PART 2 MAIN EXTENSION	
Work Order #:		Program ID: ENI101
Company:	Liberty Utilities - Gas	Bid Area: NH
City:	RINDGE	Overhead Area: Energy North
State:	NH	Date Requested: 9/21/2015
Reimbursable :	Yes	Date Completed: 9/24/2015
		Estimated By: ITC
		Project CY CY15
New Main (length/size/matl):	19800'/8"/PL & 825'/2"/PL	
Abandon Main (length/size/matl):		
Number of Services Involved:	88	

Scope of Work:

1. 3.75 miles of 8" along Rte 202 off pavement.
2. One 8" directional bore under a river
3. One 8" directional bore to cross to other side of Rte 202
4. One 825' 2" main with 12 services under 100' and 2 services at 200' each
5. 68 services that average about 100'
6. 6 services at 200' each.

		\$0.00
Liberty Labor (Mgt.)		\$0.00
Liberty Labor (Union)		\$1,122,591.84
Contractor Labor		\$125,006.20
Traffic Control		\$246,788.23
Stock Materials		\$0.00
Non-Stock Materials		\$0.00
Degradation Fees		\$130,900.00
Other		
Total Direct Cost		\$1,625,286.28
Overheads		
Company Mgt. Labor (%)	123.62%	\$0.00
Company Union Labor (%)	123.62%	\$0.00
Transportation (%)	0.00%	\$0.00
Contractor Labor (%)	35.00%	\$392,907.14
Stock Material (%)	2.74%	\$6,762.00
	Subtotal	\$2,024,955.42
Capital Overhead (%)	0.00%	\$0.00
	Subtotal	\$2,024,955.42
AFUDC		\$0.00
Total Project Estimate		\$2,024,955.42
Contingency (%)	10%	
Equivalent Overall OH (%)	25%	

Comments:

Rindge

Population	Single Family Structures	Multi Family Structures		
5950	1734	385	2119	
Commercial Businesses		72	6 year GPM	\$ 2,768,202
Residential meters		26	8 year GPM	\$ 114,192
multi family meters		48	8 year GPM	\$ 210,816
			Total	\$ 3,093,210
Construction Estimate	\$	1,657,878		
GPM Total	\$	3,487,242		
Construction Total	\$	3,283,164		

Jaffrey

Population	Single Family Structures	Multi Family Structures		
5440	1555	520	2075	
Commercial Businesses		9	6 year GPM	\$ 235,920
Residential meters		36	8 year GPM	\$ 158,112
multi family meters		0	8 year GPM	\$ -
			Total	\$ 394,032
Construction Estimate	\$	1,625,286		