

**Wisner, David S. (MPC)**

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**From:** Pasche, Tom (MPC)  
**Sent:** Wednesday, October 16, 2013 5:40 PM  
**To:** Wisner, David S. (MPC)  
**Cc:** Bandy, Ryan; Fuelling, Josh  
**Subject:** I-75 Estimates  
**Attachments:** Estimate - I-75 Lima Avenue Single HDD Option 2 101613.pdf; Estimate - I-75 Lima Avenue Single HDD Option 2 101613.xlsx; Estimate - I-75 Lima Avenue Slick Bore Option 1A 101613.pdf; Estimate - I-75 Lima Avenue Slick Bore Option 1A 101613.xlsx; Estimate - I-75 Lima Avenue Slick Bore Option 1B 101613.xlsx; Estimate - I-75 Purge 101613.pdf; Estimate - I-75 Purge 101613.xlsx; Estimate - I-75 Tank Farm 101613.pdf; Estimate - I-75 Tank Farm 101613.xlsx; Manual Estimate Sheet - I-75 Lima Avenue Slick Bore Option 1B 101613.pdf

Dave,

Attached are the estimates for the various I-75 options. I included a pdf of the cover sheet for each option, if you would prefer to only provide that level of information. Hopefully, the names are a little more self explanatory:

Purge	\$410,000	
Tank Farm	\$950,000	
Single HDD (Option 2)	\$1,600,000	
Slick Bore/Open Trench (1A)	\$1,200,000	This is the route that crosses Lima and then runs back along Lima to the tie-in
Slick Bore/Open Trench (1B)	\$1,300,000	This is the route that follows the proposed service drive

Our likely preferred package is the lowest cost:

\$410,000  
\$950,000  
\$1,200,000  
\$2,560,000

*Tom Pasche*

Project Engineer III  
Marketing & Transportation Engineering  
**Marathon Petroleum**  
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Findlay, OH 45840  
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# PROJECT ESTIMATE

Revised 4-30-2013

LOCATION **Heath - Findlay 8" Products**

DESCRIPTION **I-75 Widening - Lima Avenue Reroute - Slick Bore/Open Trench Option 1A**

Project ID **TBD**

BDGT TYPE **Reimbursable**

Estimate Based On: **Historical Data Estimate**

PROJECT CONTINGENCY **20.00%**

## PROJECT ESTIMATE SUMMARY (Summary Section populates from Details Section)

ESTIMATE SUMMARY	Capital	Expense	Reimbursable	Retirement	Total
Contracts	\$0	\$0	\$704,500	\$0	\$704,500
PM Contracts	\$0	\$0	\$50,500	\$0	\$50,500
Material	\$0	\$0	\$160,740	\$0	\$160,740
Other	\$0	\$0	\$1,500	\$0	\$1,500
M&TE Labor & Burden	\$0	\$0	\$37,644	\$0	\$37,644
MPL Labor & Burden	\$0	\$0	\$23,130	\$0	\$23,130
MPL Miscellaneous	\$0	\$0	\$19,140	\$0	\$19,140
Inflation	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$199,431	\$0	\$199,431
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,200,000</b>	<b>\$0</b>	<b>\$1,200,000</b>

ESTIMATE SUMMARY	Total Cost w/o Cont	Contingency	Total Cost w/ Cont
Contracts	\$704,500	\$140,900	\$845,400
PM Contracts	\$50,500	\$10,100	\$60,600
Material	\$160,740	\$32,148	\$192,888
Other	\$1,500	\$300	\$1,800
M&TE Labor & Burden	\$37,644	\$7,529	\$45,172
MPL Labor & Burden	\$23,130	\$4,626	\$27,756
Miscellaneous Charges	\$19,140	\$3,828	\$22,968
<b>Sub-Total</b>	<b>\$997,154</b>	<b>\$199,431 20.0%</b>	<b>\$1,196,584</b>
Lump Sum Adjustments			
Indirect Overhead	\$0		\$0
Inflation	\$0		\$0
<b>Total</b>	<b>\$997,154</b>		<b>\$1,200,000</b>

## Scope of Work & Assumptions

Reroute ~2200 ft of the HEFI 8" products system (Harpster - Findlay segment) utilizing a slick bore and open trench construction to accommodate the proposed improvements to Lima Avenue in Hancock County, OH.

### Assumptions

1. Additional survey data will be required for design - topographic survey/base sheet drafting sheet drafting included.
2. HEFI 8" to be relocated via 210 ft. slick bore and ~1,990 ft of open trench construction
3. New ROW will be acquired at no cost to MPL.
4. Disturbed area will be greater than 1 acre - stowmwater plan/erosion control included.
5. Work will require the line to be nitrogen purged from Harpster (MP 102.0) to Findlay (MP 135.0). Costs for nitrogen purge listed in separate estimate.
6. Existing pipe coating contains asbestos. Pipe will be reclaimed and disposed of safely in an approved asbestos disposal site.
7. 50% of excavation will take place within rock.
8. All driveways off of Western Ave. will be crossed using open trench constuction.

Revisor Name	Date	Rev. #	Description
Erica Sykut	5/23/13	0	Conceptual Estimate
Josh Fuelling	10/2/13	1	Revised Contractor costs to reflect estimates
		2	

**PROJECT ESTIMATE DETAIL**

DETAIL SECTION POPULATES ABOVE SUMMARY

Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Mechanical Contractor - open trench/slick bore/fab/test/lie-in	Reimbursable	1	lump	\$550,000	\$550,000	20.00%	\$660,000	\$660,000	
Mechanical Contractor - Erosion Control	Reimbursable	1	lump	\$14,000	\$14,000	20.00%	\$16,800	\$16,800	
NDT	Reimbursable	1	lump	\$20,000	\$20,000	20.00%	\$24,000	\$24,000	
Inspector	Reimbursable	6	week	\$5,500	\$33,000	20.00%	\$39,600	\$39,600	
Topo Surveying/Drafting	Reimbursable	1	lump	\$20,000	\$20,000	20.00%	\$24,000	\$24,000	
Construction Engineering	Reimbursable	1	lump	\$7,500	\$7,500	20.00%	\$9,000	\$9,000	
Construction Staking/As-built Survey/Drafting/GIS	Reimbursable	1	lump	\$25,000	\$25,000	20.00%	\$30,000	\$30,000	
NPDES Stormwater Plan	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	\$6,000	
Landowner Nofication	Reimbursable	1	lump	\$2,000	\$2,000	20.00%	\$2,400	\$2,400	
Depth Survey	Reimbursable	1	lump	\$3,000	\$3,000	20.00%	\$3,600	\$3,600	
HDD Monitoring	Reimbursable	1	lump	\$0	\$0	20.00%	\$0	\$0	
Post Construction SWPPP Inspection	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
Asbestos Coating Sampling	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000	
					\$0	20.00%	\$0	\$0	
					\$0	20.00%	\$0	\$0	
<b>Contracts Sub-Total</b>					<b>\$704,600</b>	<b>20.00%</b>	<b>\$845,400</b>	<b>\$845,400</b>	

Project Management Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Engineering - Conceptual	Reimbursable	1	lump	\$3,000	\$3,000	20.00%	\$3,600	\$3,600	
Engineering - Feasibility	Reimbursable	1	lump	\$7,500	\$7,500	20.00%	\$9,000	\$9,000	
Engineering - Definition	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000	
Engineering - Implementation	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
Engineering - Closeout	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
				\$0	\$0	20.00%	\$0	\$0	
<b>Project Management Contract Sub-Total</b>					<b>\$60,500</b>	<b>20.00%</b>	<b>\$60,600</b>	<b>\$60,600</b>	

Material	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Line Pipe - 8.625", 0.322" wt, X-42, FBE	Reimbursable	1400	ft.	\$35	\$49,000	20.00%	\$58,800	\$58,800	
Line Pipe - 8.625", 0.322" wt, X-42, ARO	Reimbursable	840	ft.	\$50	\$42,000	20.00%	\$50,400	\$50,400	
Hot Bends (Includes 1 test bend)	Reimbursable	9	ea.	\$5,000	\$45,000	20.00%	\$54,000	\$54,000	
					\$0	20.00%	\$0	\$0	
Caps, coating, taps, misc. material	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	\$6,000	
				\$0	\$0	20.00%	\$0	\$0	
<b>Shipping &amp; Tax @ 14.0%</b>					<b>\$19,740</b>		<b>\$23,688</b>	<b>\$23,688</b>	
<b>Material Sub-Total</b>					<b>\$160,740</b>	<b>20.00%</b>	<b>\$192,888</b>	<b>\$192,888</b>	

Other	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Miscellaneous	Reimbursable	1	lump	\$1,500	\$1,500	20.00%	\$1,800	\$1,800	
				\$0	\$0	20.00%	\$0	\$0	
<b>Other Sub-Total</b>					<b>\$1,500</b>	<b>20.00%</b>	<b>\$1,800</b>	<b>\$1,800</b>	

**"NEW for 2014" Is this an MPLX Project?**  No

<b>Note - a 15% Increase will show up in Column "G" for 2014 Projects</b>									
M&TE Labor & Burden	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Project Leader - Conceptual	Reimbursable	1	day	\$1,200	\$1,380	20.00%	\$1,656	\$1,656	
Project Leader - Feasibility	Reimbursable	2	day	\$1,200	\$2,760	20.00%	\$3,312	\$3,312	
Project Leader - Definition	Reimbursable	4	day	\$1,200	\$5,520	20.00%	\$6,624	\$6,624	
Project Leader - Implementation	Reimbursable	8	day	\$1,200	\$11,040	20.00%	\$13,248	\$13,248	
Project Leader - Closeout	Reimbursable	2	day	\$1,200	\$2,760	20.00%	\$3,312	\$3,312	
Permitting	Reimbursable	2	Total	\$1,000	\$2,300	20.00%	\$2,760	\$2,760	
Accountant / Analysts (special project)			day	\$600	\$0	20.00%	\$0	\$0	
Project Specific Administrative Support			day	\$350	\$0	20.00%	\$0	\$0	

Planner			day	\$675	\$0	20.00%	\$0	\$0			
*NEW for 2014* Project Controls Specialist			day	\$700	\$0	20.00%	\$0	\$0			
Supervisor (Required time auto populates)	Capital	0	day	\$1,200	\$0	20.00%	\$0	\$0			
Supervisor (Required time auto populates)	Expense	0	day	\$1,200	\$0	20.00%	\$0	\$0			
Supervisor (Required time auto populates)	Reimbursable	1.9	day	\$1,200	\$2,622	20.00%	\$3,146	\$3,146			
Supervisor (Required time auto populates)	Retirement	0	day	\$1,200	\$0	20.00%	\$0	\$0			
			day	\$0	\$0	20.00%	\$0	\$0			
			day	\$0	\$0	20.00%	\$0	\$0			
				<b>Subtotal</b>	\$28,382	20.00%	\$34,058	\$34,058			
<b>DO NOT ENTER DATA IN THE GRAY SHADED AREA.</b>				<b>Including MPLX (6% Upcharge)</b>	\$28,382	20.00%	\$34,058	\$34,058			
<b>Global Procurement Rate (*NEW for 2014* - 0.8%)</b>					<b>Total Cost</b>		<b>Total Cost</b>				
<b>Included with Labor and Burden in Summary</b>				<b>Bud Type</b>	<b># Req'd</b>	<b>Unit</b>	<b>Cost</b>	<b>w/o cont</b>	<b>Contingency</b>	<b>w/ cont</b>	<b>EFC</b>
GP - Capital	Capital	1	lump sum	\$0	\$0	20.00%	\$0	\$0			
GP - Expense	Expense	1	lump sum	\$0	\$0	20.00%	\$0	\$0			
GP - Reimbursable	Reimbursable	1	lump sum	\$9,262	\$9,262	20.00%	\$11,114	\$11,114			
GP - Retirement	Retirement	1	lump sum	\$0	\$0	20.00%	\$0	\$0			
				<b>P&amp;CS Sub-Total</b>	\$9,262	20.00%	\$11,114	\$11,114			
				<b>Labor &amp; Burden Total</b>	\$37,644	\$0	\$45,172	\$45,172			

MPL Labor & Burden	Bud Type	# Req'd	Unit	Cost	Total Cost w/o cont	Contingency	Total Cost w/ cont	EFC
Area Manager	Reimbursable	1	day	\$610	\$610	20.00%	\$732	\$732
Landman	Reimbursable	3	day	\$470	\$1,410	20.00%	\$1,692	\$1,692
Operations Technician	Reimbursable	30	day	\$600	\$18,000	20.00%	\$21,600	\$21,600
Operations Supervisor	Reimbursable	3	day	\$470	\$1,410	20.00%	\$1,692	\$1,692
Mechanical Tech	Reimbursable	2	day	\$350	\$700	20.00%	\$840	\$840
Specialist (Corr/Ops/Mech/EI)	Reimbursable	2	day	\$500	\$1,000	20.00%	\$1,200	\$1,200
			day		\$0	20.00%	\$0	\$0
<b>Operating Organization Labor Charges Sub-Total</b>					\$23,130	20.00%	\$27,756	\$27,756

MPL Miscellaneous	Bud Type	# Req'd	Unit	Cost	Total Cost w/o cont	Contingency	Total Cost w/ cont	EFC
1/2 ton, 3/4 ton, 1 ton pickup	Reimbursable	38	day	\$80	\$3,040	20.00%	\$3,648	\$3,648
					\$0	20.00%	\$0	\$0
<b>Operating Organization Equipment Charges Sub-Total</b>					\$3,040	20.00%	\$3,648	\$3,648
Day Only Travel	Reimbursable	0	day	\$50	\$0	20.00%	\$0	\$0
Overnight Travel	Reimbursable	8	day	\$200	\$1,600	20.00%	\$1,920	\$1,920
					\$0	20.00%	\$0	\$0
<b>Operating Organization Business Expense Charges Sub-Total</b>					\$1,600	20.00%	\$1,920	\$1,920
Land Damages	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000
Water Treatment/Disposal	Reimbursable	1	lump	\$2,500	\$2,500	20.00%	\$3,000	\$3,000
Pipe Sample Testing	Reimbursable	1	lump	\$2,000	\$2,000	20.00%	\$2,400	\$2,400
<b>Miscellaneous Charges Sub-Total</b>					\$14,500	20.00%	\$17,400	\$17,400
<b>Miscellaneous Charges Sub-Total</b>					\$19,140	20.00%	\$22,968	\$22,968

<b>ESTIMATE SUB-TOTAL</b>	\$997,154	20.00%	\$1,196,584	\$1,196,584
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Contingency	\$199,431	20.00%
Indirect Overhead	\$0	0.00%
Inflation	\$0	0.00%

<b>TOTAL ESTIMATED COST</b>	<b>\$1,200,000</b>
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# PROJECT ESTIMATE

Revised 4-30-2013

LOCATION **Heath - Findlay 8" Products**

DESCRIPTION **I-75 Widening - Lima Avenue Reroute - Service Road Slick Bore/Open Trench Option 1B**

Project ID **TBD**

BDGT TYPE **Reimbursable**

Estimate Based On: **Historical Data Estimate**

PROJECT CONTINGENCY **20.00%**

## PROJECT ESTIMATE SUMMARY (Summary Section populates from Details Section)

ESTIMATE SUMMARY	Capital	Expense	Reimbursable	Retirement	Total
Contracts	\$0	\$0	\$774,500	\$0	\$774,500
PM Contracts	\$0	\$0	\$50,500	\$0	\$50,500
Material	\$0	\$0	\$175,104	\$0	\$175,104
Other	\$0	\$0	\$1,500	\$0	\$1,500
M&TE Labor & Burden	\$0	\$0	\$38,454	\$0	\$38,454
MPL Labor & Burden	\$0	\$0	\$23,130	\$0	\$23,130
MPL Miscellaneous	\$0	\$0	\$19,140	\$0	\$19,140
Inflation	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$216,466	\$0	\$216,466
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,300,000</b>	<b>\$0</b>	<b>\$1,300,000</b>

ESTIMATE SUMMARY	Total Cost w/o Cont	Contingency	Total Cost w/ Cont
Contracts	\$774,500	\$154,900	\$929,400
PM Contracts	\$50,500	\$10,100	\$60,600
Material	\$175,104	\$35,021	\$210,125
Other	\$1,500	\$300	\$1,800
M&TE Labor & Burden	\$38,454	\$7,691	\$46,144
MPL Labor & Burden	\$23,130	\$4,626	\$27,756
Miscellaneous Charges	\$19,140	\$3,828	\$22,968
<b>Sub-Total</b>	<b>\$1,082,328</b>	<b>\$216,466</b>	<b>\$1,298,793</b>
Lump Sum Adjustments			
Indirect Overhead	\$0		\$0
Inflation	\$0		\$0
<b>Total</b>	<b>\$1,082,328</b>		<b>\$1,300,000</b>

## Scope of Work & Assumptions

Reroute ~2450 ft of the HEFI 8" products system (Harpster - Findlay segment) utilizing a slick bore and open trench construction along the proposed service road to accommodate the proposed improvements to Lima Avenue in Hancock County, OH.

### Assumptions

- Additional survey data will be required for design - topographic survey/base sheet drafting sheet drafting included.
- HEFI 8" to be relocated via 180 ft. slick bore and ~2,270 ft of open trench construction
- New ROW will be acquired at no cost to MPL.
- Disturbed area will be greater than 1 acre - stowmwater plan/erosion control included.
- Work will require the line to be nitrogen purged from Harpster (MP 102.0) to Findlay (MP 135.0). Costs for nitrogen purge listed in separate estimate.
- Existing pipe coating contains asbestos. Pipe will be reclaimed and disposed of safely in an approved asbestos disposal site.
- 50% of excavation will take place within rock.
- All driveways off of Western Ave. will be crossed using open trench construction.

Revisor Name	Date	Rev. #	Description
Josh Fuelling	10/14/13	0	Conceptual Estimate
		1	
		2	

**PROJECT ESTIMATE DETAIL**

DETAIL SECTION POPULATES ABOVE SUMMARY

Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Mechanical Contractor - open trench/slick bore/fab/test/tie-in	Reimbursable	1	lump	\$620,000	\$620,000	20.00%	\$744,000	\$744,000	
Mechanical Contractor - Erosion Control	Reimbursable	1	lump	\$14,000	\$14,000	20.00%	\$16,800	\$16,800	
NDT	Reimbursable	1	lump	\$20,000	\$20,000	20.00%	\$24,000	\$24,000	
Inspector	Reimbursable	6	week	\$5,500	\$33,000	20.00%	\$39,600	\$39,600	
Topo Surveying/Drafting	Reimbursable	1	lump	\$20,000	\$20,000	20.00%	\$24,000	\$24,000	
Construction Engineering	Reimbursable	1	lump	\$7,500	\$7,500	20.00%	\$9,000	\$9,000	
Construction Staking/As-built Survey/Drafting/GIS	Reimbursable	1	lump	\$25,000	\$25,000	20.00%	\$30,000	\$30,000	
NPDES Stormwater Plan	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	\$6,000	
Landowner Notification	Reimbursable	1	lump	\$2,000	\$2,000	20.00%	\$2,400	\$2,400	
Depth Survey	Reimbursable	1	lump	\$3,000	\$3,000	20.00%	\$3,600	\$3,600	
HDD Monitoring	Reimbursable	1	lump	\$0	\$0	20.00%	\$0	\$0	
Post Construction SWPPP Inspection	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
Asbestos Coating Sampling	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000	
					\$0	20.00%	\$0	\$0	
					\$0	20.00%	\$0	\$0	
<b>Contracts Sub-Total</b>					<b>\$774,500</b>	<b>20.00%</b>	<b>\$929,400</b>	<b>\$929,400</b>	

Project Management Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Engineering - Conceptual	Reimbursable	1	lump	\$3,000	\$3,000	20.00%	\$3,600	\$3,600	
Engineering - Feasibility	Reimbursable	1	lump	\$7,500	\$7,500	20.00%	\$9,000	\$9,000	
Engineering - Definition	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000	
Engineering - Implementation	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
Engineering - Closeout	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
				\$0	\$0	20.00%	\$0	\$0	
<b>Project Management Contract Sub-Total</b>					<b>\$50,500</b>	<b>20.00%</b>	<b>\$60,600</b>	<b>\$60,600</b>	

Material	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Line Pipe - 8.625", 0.322" wt, X-42, FBE	Reimbursable	1760	ft.	\$35	\$61,600	20.00%	\$73,920	\$73,920	
Line Pipe - 8.625", 0.322" wt, X-42, ARO	Reimbursable	840	ft.	\$50	\$42,000	20.00%	\$50,400	\$50,400	
Hot Bends (Includes 1 test bend)	Reimbursable	9	ea.	\$5,000	\$45,000	20.00%	\$54,000	\$54,000	
					\$0	20.00%	\$0	\$0	
Caps, coating, taps, misc. material	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	\$6,000	
				\$0	\$0	20.00%	\$0	\$0	
<b>Shipping &amp; Tax @ 14.0%</b>					<b>\$21,504</b>		<b>\$25,805</b>	<b>\$25,805</b>	
<b>Material Sub-Total</b>					<b>\$176,104</b>	<b>20.00%</b>	<b>\$210,125</b>	<b>\$210,125</b>	

Other	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Miscellaneous	Reimbursable	1	lump	\$1,500	\$1,500	20.00%	\$1,800	\$1,800	
				\$0	\$0	20.00%	\$0	\$0	
<b>Other Sub-Total</b>					<b>\$1,500</b>	<b>20.00%</b>	<b>\$1,800</b>	<b>\$1,800</b>	

**"NEW for 2014" Is this an MPLX Project?**  No

<b>Note - a 15% Increase will show up in Column "G" for 2014 Projects</b>									
M&TE Labor & Burden	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Project Leader - Conceptual	Reimbursable	1	day	\$1,200	\$1,380	20.00%	\$1,656	\$1,656	
Project Leader - Feasibility	Reimbursable	2	day	\$1,200	\$2,760	20.00%	\$3,312	\$3,312	
Project Leader - Definition	Reimbursable	4	day	\$1,200	\$5,520	20.00%	\$6,624	\$6,624	
Project Leader - Implementation	Reimbursable	8	day	\$1,200	\$11,040	20.00%	\$13,248	\$13,248	
Project Leader - Closeout	Reimbursable	2	day	\$1,200	\$2,760	20.00%	\$3,312	\$3,312	
Permitting	Reimbursable	2	Total	\$1,000	\$2,300	20.00%	\$2,760	\$2,760	
Accountant / Analysts (special project)			day	\$600	\$0	20.00%	\$0	\$0	
Project Specific Administrative Support			day	\$350	\$0	20.00%	\$0	\$0	

Planner			day	\$675	\$0	20.00%	\$0	\$0
*NEW for 2014* Project Controls Specialist			day	\$700	\$0	20.00%	\$0	\$0
Supervisor (Required time auto populates)	Capital	0	day	\$1,200	\$0	20.00%	\$0	\$0
Supervisor (Required time auto populates)	Expense	0	day	\$1,200	\$0	20.00%	\$0	\$0
Supervisor (Required time auto populates)	Reimbursable	1.9	day	\$1,200	\$2,622	20.00%	\$3,146	\$3,146
Supervisor (Required time auto populates)	Retirement	0	day	\$1,200	\$0	20.00%	\$0	\$0
			day	\$0	\$0	20.00%	\$0	\$0
			day	\$0	\$0	20.00%	\$0	\$0
<b>Subtotal</b>					\$28,382	20.00%	\$34,058	\$34,058
<b>Including MPLX (6% Upcharge)</b>					\$28,382	20.00%	\$34,058	\$34,058
<b>DO NOT ENTER DATA IN THE GRAY SHADED AREA.</b>								
<b>Global Procurement Rate (*NEW for 2014* - 0.8%)</b>				<b>Total Cost</b>			<b>Total Cost</b>	
<b>Included with Labor and Burden In Summary</b>				<b>Bud Type</b>	<b># Req'd</b>	<b>Unit</b>	<b>Cost</b>	<b>EFC</b>
						<b>w/o cont</b>	<b>Contingency</b>	<b>w/ cont</b>
GP - Capital	Capital	1	lump sum	\$0	\$0	20.00%	\$0	\$0
GP - Expense	Expense	1	lump sum	\$0	\$0	20.00%	\$0	\$0
GP - Reimbursable	Reimbursable	1	lump sum	\$10,072	\$10,072	20.00%	\$12,086	\$12,086
GP - Retirement	Retirement	1	lump sum	\$0	\$0	20.00%	\$0	\$0
<b>P&amp;CS Sub-Total</b>					\$10,072	20.00%	\$12,086	\$12,086
<b>Labor &amp; Burden Total</b>					\$38,454	\$0	\$46,144	\$48,144

MPL Labor & Burden				Total Cost			Total Cost	
	Bud Type	# Req'd	Unit	Cost	w/o cont	Contingency	w/ cont	EFC
Area Manager	Reimbursable	1	day	\$610	\$610	20.00%	\$732	\$732
Landman	Reimbursable	3	day	\$470	\$1,410	20.00%	\$1,692	\$1,692
Operations Technician	Reimbursable	30	day	\$600	\$18,000	20.00%	\$21,600	\$21,600
Operations Supervisor	Reimbursable	3	day	\$470	\$1,410	20.00%	\$1,692	\$1,692
Mechanical Tech	Reimbursable	2	day	\$350	\$700	20.00%	\$840	\$840
Specialist (Corr/Ops/Mech/EI)	Reimbursable	2	day	\$500	\$1,000	20.00%	\$1,200	\$1,200
			day		\$0	20.00%	\$0	\$0
<b>Operating Organization Labor Charges Sub-Total</b>					\$23,130	20.00%	\$27,756	\$27,756

MPL Miscellaneous				Total Cost			Total Cost	
	Bud Type	# Req'd	Unit	Cost	w/o cont	Contingency	w/ cont	EFC
1/2 ton, 3/4 ton, 1 ton pickup	Reimbursable	38	day	\$80	\$3,040	20.00%	\$3,648	\$3,648
					\$0	20.00%	\$0	\$0
<b>Operating Organization Equipment Charges Sub-Total</b>					\$3,040	20.00%	\$3,648	\$3,648
Day Only Travel	Reimbursable	0	day	\$50	\$0	20.00%	\$0	\$0
Overnight Travel	Reimbursable	8	day	\$200	\$1,600	20.00%	\$1,920	\$1,920
					\$0	20.00%	\$0	\$0
<b>Operating Organization Business Expense Charges Sub-Total</b>					\$1,600	20.00%	\$1,920	\$1,920
Land Damages	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000
Water Treatment/Disposal	Reimbursable	1	lump	\$2,500	\$2,500	20.00%	\$3,000	\$3,000
Pipe Sample Testing	Reimbursable	1	lump	\$2,000	\$2,000	20.00%	\$2,400	\$2,400
<b>Miscellaneous Charges Sub-Total</b>					\$14,500	20.00%	\$17,400	\$17,400
<b>Miscellaneous Charges Sub-Total</b>					\$19,140	20.00%	\$22,968	\$22,968

<b>ESTIMATE SUB-TOTAL</b>	\$1,082,328	20.00%	\$1,298,793	\$1,298,793
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Contingency	\$216,466	20.00%
Indirect Overhead	\$0	0.00%
Inflation	\$0	0.00%

<b>TOTAL ESTIMATED COST</b>	<b>\$1,300,000</b>
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# PROJECT ESTIMATE

Revised 4-30-2013

LOCATION **Heath - Findlay 8" Products**

DESCRIPTION **I-75 Widening - Lima Avenue Reroute - Single HDD Option 2**

Project ID **TBD**

BDGT TYPE **Reimbursable**

Estimate Based On: **Historical Data Estimate**

PROJECT CONTINGENCY **20.00%**

## PROJECT ESTIMATE SUMMARY (Summary Section populates from Details Section)

ESTIMATE SUMMARY	Capital	Expense	Reimbursable	Retirement	Total
Contracts	\$0	\$0	\$1,080,500	\$0	\$1,080,500
PM Contracts	\$0	\$0	\$50,500	\$0	\$50,500
Material	\$0	\$0	\$114,000	\$0	\$114,000
Other	\$0	\$0	\$1,500	\$0	\$1,500
M&TE Labor & Burden	\$0	\$0	\$40,805	\$0	\$40,805
MPL Labor & Burden	\$0	\$0	\$23,130	\$0	\$23,130
MPL Miscellaneous	\$0	\$0	\$19,140	\$0	\$19,140
Inflation	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$265,915	\$0	\$265,915
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,600,000</b>	<b>\$0</b>	<b>\$1,600,000</b>

ESTIMATE SUMMARY	Total Cost w/o Cont	Contingency	Total Cost w/ Cont
Contracts	\$1,080,500	\$216,100	\$1,296,600
PM Contracts	\$50,500	\$10,100	\$60,600
Material	\$114,000	\$22,800	\$136,800
Other	\$1,500	\$300	\$1,800
M&TE Labor & Burden	\$40,805	\$8,161	\$48,966
MPL Labor & Burden	\$23,130	\$4,626	\$27,756
Miscellaneous Charges	\$19,140	\$3,828	\$22,968
<b>Sub-Total</b>	<b>\$1,329,575</b>	<b>\$265,915 20.0%</b>	<b>\$1,595,490</b>
<b>Lump Sum Adjustments</b>			
Indirect Overhead	\$0		\$0
Inflation	\$0		\$0
<b>Total</b>	<b>\$1,329,575</b>		<b>\$1,600,000</b>

## Scope of Work & Assumptions

Reroute ~1600 ft (Sta. 7060+20 to Sta. 7074+20) of the HEFI 8" products system (Harpster - Findlay segment) with one ~1400 ft HDD to accommodate the proposed improvements to Lima Avenue in Hancock County, OH.

### Assumptions

1. Additional survey data will be required for design - topographic survey/base sheet drafting sheet drafting included.
2. HEFI 8" to be relocated via one 1400 ft HDD and tied in via open trench construction.
3. New ROW will be acquired at no cost to MPL.
4. Disturbed area will be greater than 1 acre - stowmwater plan/erosion control included.
5. Work will require the line to be nitrogen purged from Harpster (MP 102.0) to Findlay (MP 135.0). Costs for nitrogen purge listed in separate estimate.
6. Existing pipe coating contains asbestos. Pipe will be reclaimed and disposed of safely in an approved asbestos disposal site.
7. Bore Contractor will be drilling through unfractured rock.

Revisor Name	Date	Rev. #	Description
Erica Sykut	5/23/13	0	Conceptual Estimate
Josh Fuelling	10/2/13	1	Revised Contractor costs to reflect estimates
		2	



**PROJECT ESTIMATE DETAIL**

DETAIL SECTION POPULATES ABOVE SUMMARY

Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Mechanical Contractor - 8" HDD/fab/test/tie-in/Reclaim	Reimbursable	1	lump	\$925,000	\$925,000	20.00%	\$1,110,000	\$1,110,000	
Mechanical Contractor - Erosion Control	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	\$6,000	
NDT	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
Inspector	Reimbursable	6	week	\$5,500	\$33,000	20.00%	\$39,600	\$39,600	
Topo Surveying/Drafting	Reimbursable	1	lump	\$20,000	\$20,000	20.00%	\$24,000	\$24,000	
Construction Engineering	Reimbursable	1	lump	\$7,500	\$7,500	20.00%	\$9,000	\$9,000	
Construction Staking/As-built Survey/Drafting/GIS	Reimbursable	1	lump	\$25,000	\$25,000	20.00%	\$30,000	\$30,000	
NPDES Stormwater Plan	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	\$6,000	
Landowner Notification	Reimbursable	1	lump	\$2,000	\$2,000	20.00%	\$2,400	\$2,400	
Depth Survey	Reimbursable	1	lump	\$3,000	\$3,000	20.00%	\$3,600	\$3,600	
HDD Monitoring	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000	
Post Construction SWPPP Inspection	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
Asbestos Coating Sampling	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000	
Transport of Pipe for Disposal	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	\$6,000	
					\$0	20.00%	\$0	\$0	
<b>Contracts Sub-Total</b>					<b>\$1,080,600</b>	<b>20.00%</b>	<b>\$1,296,600</b>	<b>\$1,296,600</b>	

Project Management Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Engineering - Conceptual	Reimbursable	1	lump	\$3,000	\$3,000	20.00%	\$3,600	\$3,600	
Engineering - Feasibility	Reimbursable	1	lump	\$7,500	\$7,500	20.00%	\$9,000	\$9,000	
Engineering - Definition	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000	
Engineering - Implementation	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
Engineering - Closeout	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000	
				\$0	\$0	20.00%	\$0	\$0	
<b>Project Management Contract Sub-Total</b>					<b>\$50,500</b>	<b>20.00%</b>	<b>\$60,600</b>	<b>\$60,600</b>	

Material	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Line Pipe - 8.625", 0.322" wt, X-42, ARO	Reimbursable	1400	ft.	\$50	\$70,000	20.00%	\$84,000	\$84,000	
					\$0	20.00%	\$0	\$0	
Hot Bends (includes 1 test bend)	Reimbursable	5	ea.	\$5,000	\$25,000	20.00%	\$30,000	\$30,000	
					\$0	20.00%	\$0	\$0	
Caps, coating, taps, misc. material	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	\$6,000	
				\$0	\$0	20.00%	\$0	\$0	
<b>Shipping &amp; Tax @ 14.0%</b>					<b>\$14,000</b>		<b>\$16,800</b>	<b>\$16,800</b>	
<b>Material Sub-Total</b>					<b>\$114,000</b>	<b>20.00%</b>	<b>\$136,800</b>	<b>\$136,800</b>	

Other	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Miscellaneous	Reimbursable	1	lump	\$1,500	\$1,500	20.00%	\$1,800	\$1,800	
				\$0	\$0	20.00%	\$0	\$0	
<b>Other Sub-Total</b>					<b>\$1,500</b>	<b>20.00%</b>	<b>\$1,800</b>	<b>\$1,800</b>	

**"NEW for 2014" Is this an MPLX Project?**  No

<b>Note - a 15% increase will show up in Column "G" for 2014 Projects</b>									
M&TE Labor & Burden	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Project Leader - Conceptual	Reimbursable	1	day	\$1,200	\$1,380	20.00%	\$1,656	\$1,656	
Project Leader - Feasibility	Reimbursable	2	day	\$1,200	\$2,760	20.00%	\$3,312	\$3,312	
Project Leader - Definition	Reimbursable	4	day	\$1,200	\$5,520	20.00%	\$6,624	\$6,624	
Project Leader - Implementation	Reimbursable	8	day	\$1,200	\$11,040	20.00%	\$13,248	\$13,248	
Project Leader - Closeout	Reimbursable	2	day	\$1,200	\$2,760	20.00%	\$3,312	\$3,312	
Permitting	Reimbursable	2	Total	\$1,000	\$2,300	20.00%	\$2,760	\$2,760	
Accountant / Analysts (special project)			day	\$600	\$0	20.00%	\$0	\$0	
Project Specific Administrative Support			day	\$350	\$0	20.00%	\$0	\$0	

Planner			day	\$675	\$0	20.00%	\$0	\$0				
*NEW for 2014* Project Controls Specialist			day	\$700	\$0	20.00%	\$0	\$0				
Supervisor (Required time auto populates)	Capital	0	day	\$1,200	\$0	20.00%	\$0	\$0				
Supervisor (Required time auto populates)	Expense	0	day	\$1,200	\$0	20.00%	\$0	\$0				
Supervisor (Required time auto populates)	Reimbursable	1.9	day	\$1,200	\$2,622	20.00%	\$3,146	\$3,146				
Supervisor (Required time auto populates)	Retirement	0	day	\$1,200	\$0	20.00%	\$0	\$0				
			day	\$0	\$0	20.00%	\$0	\$0				
			day	\$0	\$0	20.00%	\$0	\$0				
<b>Subtotal</b>					\$28,382	20.00%	\$34,058	\$34,058				
<b>Including MPLX (6% Upcharge)</b>					\$28,382	20.00%	\$34,058	\$34,058				
<b>Global Procurement Rate (**NEW for 2014* - 0.8%)</b>					<b>Total Cost</b>		<b>Total Cost</b>					
<b>Included with Labor and Burden in Summary</b>					<b>Bud Type</b>	<b># Req'd</b>	<b>Unit</b>	<b>Cost</b>	<b>w/o cont</b>	<b>Contingency</b>	<b>w/ cont</b>	<b>EFC</b>
GP - Capital	Capital	1	lump sum	\$0	\$0	20.00%	\$0	\$0				
GP - Expense	Expense	1	lump sum	\$0	\$0	20.00%	\$0	\$0				
GP - Reimbursable	Reimbursable	1	lump sum	\$12,423	\$12,423	20.00%	\$14,907	\$14,907				
GP - Retirement	Retirement	1	lump sum	\$0	\$0	20.00%	\$0	\$0				
<b>P&amp;CS Sub-Total</b>					\$12,423	20.00%	\$14,907	\$14,907				
<b>Labor &amp; Burden Total</b>					\$40,805	\$0	\$48,966	\$48,966				

MPL Labor & Burden	Bud Type	# Req'd	Unit	Cost	Total Cost w/o cont	Contingency	Total Cost w/ cont	EFC
Area Manager	Reimbursable	1	day	\$610	\$610	20.00%	\$732	\$732
Landman	Reimbursable	3	day	\$470	\$1,410	20.00%	\$1,692	\$1,692
Operations Technician	Reimbursable	30	day	\$600	\$18,000	20.00%	\$21,600	\$21,600
Operations Supervisor	Reimbursable	3	day	\$470	\$1,410	20.00%	\$1,692	\$1,692
Mechanical Tech	Reimbursable	2	day	\$350	\$700	20.00%	\$840	\$840
Specialist (Corr/Ops/Mech/EI)	Reimbursable	2	day	\$500	\$1,000	20.00%	\$1,200	\$1,200
			day		\$0	20.00%	\$0	\$0
<b>Operating Organization Labor Charges Sub-Total</b>					\$23,130	20.00%	\$27,756	\$27,756

MPL Miscellaneous	Bud Type	# Req'd	Unit	Cost	Total Cost w/o cont	Contingency	Total Cost w/ cont	EFC
1/2 ton, 3/4 ton, 1 ton pickup	Reimbursable	38	day	\$80	\$3,040	20.00%	\$3,648	\$3,648
					\$0	20.00%	\$0	\$0
<b>Operating Organization Equipment Charges Sub-Total</b>					\$3,040	20.00%	\$3,648	\$3,648
Day Only Travel	Reimbursable	0	day	\$50	\$0	20.00%	\$0	\$0
Overnight Travel	Reimbursable	8	day	\$200	\$1,600	20.00%	\$1,920	\$1,920
					\$0	20.00%	\$0	\$0
<b>Operating Organization Business Expense Charges Sub-Total</b>					\$1,600	20.00%	\$1,920	\$1,920
Land Damages	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000
Water Treatment/Disposal	Reimbursable	1	lump	\$2,500	\$2,500	20.00%	\$3,000	\$3,000
Pipe Sample Testing	Reimbursable	1	lump	\$2,000	\$2,000	20.00%	\$2,400	\$2,400
<b>Miscellaneous Charges Sub-Total</b>					\$14,500	20.00%	\$17,400	\$17,400
<b>Miscellaneous Charges Sub-Total</b>					\$19,140	20.00%	\$22,968	\$22,968

<b>ESTIMATE SUB-TOTAL</b>	\$1,329,575	20.00%	\$1,595,490	\$1,595,490
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Contingency	\$265,915	20.00%
Indirect Overhead	\$0	0.00%
Inflation	\$0	0.00%

<b>TOTAL ESTIMATED COST \$1,600,000</b>
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<h1 style="margin: 0;">PROJECT ESTIMATE</h1> <p style="margin: 0; font-size: small;">Revised 4-30-2013</p>	LOCATION <b>Heath - Findlay 8" Products</b>
	DESCRIPTION <b>I-75 Widening - Tank farm reroute/reclamation</b>
	Project ID <b>TBD</b>
	BDGT TYPE <b>Reimbursable</b> <span style="float: right;">Estimate Based On: <b>Historical Data</b></span>
	PROJECT CONTINGENCY <b>20.00%</b>
<b>PROJECT ESTIMATE SUMMARY</b> <span style="color: red; font-size: small;">(Summary Section populates from Details Section)</span>	

ESTIMATE SUMMARY	Capital	Expense	Reimbursable	Retirement	Total
Contracts	\$0	\$0	\$555,000	\$0	\$555,000
PM Contracts	\$0	\$0	\$55,500	\$0	\$55,500
Material	\$0	\$0	\$119,700	\$0	\$119,700
Other	\$0	\$0	\$1,500	\$0	\$1,500
M&TE Labor & Burden	\$0	\$0	\$32,704	\$0	\$32,704
MPL Labor & Burden	\$0	\$0	\$17,730	\$0	\$17,730
MPL Miscellaneous	\$0	\$0	\$9,400	\$0	\$9,400
Inflation	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$158,307	\$0	\$158,307
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$950,000</b>	<b>\$0</b>	<b>\$950,000</b>

ESTIMATE SUMMARY	Total Cost w/o Cont	Contingency	Total Cost w/ Cont
Contracts	\$555,000	\$111,000	\$666,000
PM Contracts	\$55,500	\$11,100	\$66,600
Material	\$119,700	\$23,940	\$143,640
Other	\$1,500	\$300	\$1,800
M&TE Labor & Burden	\$32,704	\$6,541	\$39,245
MPL Labor & Burden	\$17,730	\$3,546	\$21,276
Miscellaneous Charges	\$9,400	\$1,880	\$11,280
<b>Sub-Total</b>	<b>\$791,534</b>	<b>\$158,307 20.0%</b>	<b>\$949,841</b>
Lump Sum Adjustments			
Indirect Overhead	\$0		\$0
Inflation	\$0		\$0
<b>Total</b>	<b>\$791,534</b>		<b>\$950,000</b>

**Scope of Work & Assumptions**

Reroute ~1900 ft. (Sta. 7099+50 to Sta. 7118+50) of the HEFI 8" products system (Harpster - Findlay segment) and reclaim approximately ~2500 ft. of the Heath - National Junction 6" to accommodate the proposed improvements to I-75 in Hancock County, OH.

Assumptions

1. Approximately 250 ft. of the existing 6" carrier pipe will be pulled from the casing and the existing casing will be filled with grout, capped and abandoned in place at the crossing of I-75.
2. Additional survey data will be required for design - topographic survey/base sheet drafting sheet drafting included.
3. 8" Pipe will be reclaimed and disposed of safely in an approved asbestos disposal site.
4. MPL has a blanket easment on this property - new ROW will not be required.
5. Disturbed area will be greater than 1 acre - stowmwater plan/erosion control included.
6. Work will require the line to be nitrogen purged from Harpster (MP 102.0) to Findlay (MP 135.0). Costs for nitrogen purge listed in separate estimate.
7. HEFI 8" to be relocated along I-75 via open trench construction. All work on Heath - National Junction 6" to be completed via open trench construction.
8. Rerouted pipe may encountered contaminated soils within tank farm property - no HAZWOPR training time included in estimate.
9. Excavation will not occur within rock.

Revisor Name	Date	Rev. #	Description
Ryan Bandy	5/22/13	0	Conceptual Estimate
Josh Fuelling	10/2/13	1	Revised Contractor costs to reflect estimates
		2	

**PROJECT ESTIMATE DETAIL**

DETAIL SECTION POPULATES ABOVE SUMMARY

Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		EFC	
					w/o cont	Contingency		
Mechanical Contractor - 8" HDD/fab/test/tie-in	Reimbursable	1	lump	\$245,000	\$245,000	20.00%	\$294,000	
Mechanical Contractor - 6" reclaim	Reimbursable	1	lump	\$100,000	\$100,000	20.00%	\$120,000	
Mechanical Contractor - Erosion Control	Reimbursable	1	lump	\$35,000	\$35,000	20.00%	\$42,000	
NDT	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	
Inspector	Reimbursable	5	week	\$5,500	\$27,500	20.00%	\$33,000	
Topo Surveying/Drafting	Reimbursable	1	lump	\$12,500	\$12,500	20.00%	\$15,000	
Construction Engineering	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	
Construction Staking/As-built Survey/Drafting/GIS	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	
NPDES Stormwater Plan	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	
Landowner Notification	Reimbursable	1	lump	\$2,000	\$2,000	20.00%	\$2,400	
Depth Survey/Import Clean Soil	Reimbursable	1	lump	\$3,000	\$3,000	20.00%	\$3,600	
Soil Disposal	Reimbursable	1	lump	\$50,000	\$50,000	20.00%	\$60,000	
Post Construction SWPPP Inspections	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	
Asbestos Sampling	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	
Pipe Transportation for Disposal	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	
<b>Contracts Sub-Total</b>					<b>\$555,000</b>	<b>20.00%</b>	<b>\$666,000</b>	<b>\$666,000</b>

Project Management Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		EFC	
					w/o cont	Contingency		
Engineering - Conceptual	Reimbursable	1	lump	\$3,000	\$3,000	20.00%	\$3,600	
Engineering - Feasibility	Reimbursable	1	lump	\$7,500	\$7,500	20.00%	\$9,000	
Engineering - Definition	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	
Engineering - Implementation	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	
Engineering - Closeout	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	
				\$0	\$0	20.00%	\$0	
<b>Project Management Contract Sub-Total</b>					<b>\$55,500</b>	<b>20.00%</b>	<b>\$66,600</b>	<b>\$66,600</b>

Material	Bud Type	# Req'd	Unit	Cost	Total Cost		EFC	
					w/o cont	Contingency		
Line Pipe - 8.625", 0.322" wt, X-42, FBE	Reimbursable	2000	ft.	\$35	\$70,000	20.00%	\$84,000	
					\$0	20.00%	\$0	
Hot Bends (Including 1 test bend)	Reimbursable	6	ea.	\$5,000	\$30,000	20.00%	\$36,000	
					\$0	20.00%	\$0	
Caps, coating, taps, misc. material	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	
					\$0	20.00%	\$0	
<b>Shipping &amp; Tax @ 14.0%</b>					<b>\$14,700</b>		<b>\$17,640</b>	<b>\$17,640</b>
<b>Material Sub-Total</b>					<b>\$119,700</b>	<b>20.00%</b>	<b>\$143,640</b>	<b>\$143,640</b>

Other	Bud Type	# Req'd	Unit	Cost	Total Cost		EFC	
					w/o cont	Contingency		
Miscellaneous	Reimbursable	1	lump	\$1,500	\$1,500	20.00%	\$1,800	
				\$0	\$0	20.00%	\$0	
<b>Other Sub-Total</b>					<b>\$1,500</b>	<b>20.00%</b>	<b>\$1,800</b>	<b>\$1,800</b>

**"NEW for 2014" Is this an MPLX Project?**  No

M&TE Labor & Burden	Bud Type	# Req'd	Unit	Cost	Total Cost		EFC
					w/o cont	Contingency	
Project Leader - Conceptual	Reimbursable	1	day	\$1,200	\$1,380	20.00%	\$1,656
Project Leader - Feasibility	Reimbursable	2	day	\$1,200	\$2,760	20.00%	\$3,312
Project Leader - Definition	Reimbursable	4	day	\$1,200	\$5,520	20.00%	\$6,624
Project Leader - Implementation	Reimbursable	6	day	\$1,200	\$8,280	20.00%	\$9,936
Project Leader - Closeout	Reimbursable	2	day	\$1,200	\$2,760	20.00%	\$3,312
Permitting	Reimbursable	2	Total	\$1,000	\$2,300	20.00%	\$2,760
Accountant / Analysts (special project)			day	\$600	\$0	20.00%	\$0
Project Specific Administrative Support			day	\$350	\$0	20.00%	\$0
Planner			day	\$675	\$0	20.00%	\$0
*NEW for 2014* Project Controls Specialist			day	\$700	\$0	20.00%	\$0

Supervisor (Required time auto populates)	Capital	0	day	\$1,200	\$0	20.00%	\$0	\$0			
Supervisor (Required time auto populates)	Expense	0	day	\$1,200	\$0	20.00%	\$0	\$0			
Supervisor (Required time auto populates)	Reimbursable	1.7	day	\$1,200	\$2,346	20.00%	\$2,815	\$2,815			
Supervisor (Required time auto populates)	Retirement	0	day	\$1,200	\$0	20.00%	\$0	\$0			
			day	\$0	\$0	20.00%	\$0	\$0			
			day	\$0	\$0	20.00%	\$0	\$0			
<b>Subtotal</b>					\$25,346	20.00%	\$30,415	\$30,415			
<b>DO NOT ENTER DATA IN THE GRAY SHADED AREA.</b>					<b>Including MPLX (6% Upcharge)</b>		\$25,346	20.00%	\$30,415	\$30,415	
<b>Global Procurement Rate (*NEW for 2014* - 0.8%)</b>				<b>Total Cost</b>		<b>Total Cost</b>					
<b>Included with Labor and Burden in Summary</b>				<b>Bud Type</b>	<b># Req'd</b>	<b>Unit</b>	<b>Cost</b>	<b>w/o cont</b>	<b>Contingency</b>	<b>w/ cont</b>	<b>EFC</b>
GP - Capital	Capital	1	lump sum	\$0	\$0	20.00%	\$0	\$0			
GP - Expense	Expense	1	lump sum	\$0	\$0	20.00%	\$0	\$0			
GP - Reimbursable	Reimbursable	1	lump sum	\$7,358	\$7,358	20.00%	\$8,829	\$8,829			
GP - Retirement	Retirement	1	lump sum	\$0	\$0	20.00%	\$0	\$0			
<b>P&amp;CS Sub-Total</b>					\$7,358	20.00%	\$8,829	\$8,829			
<b>Labor &amp; Burden Total</b>					\$32,704	\$0	\$39,245	\$39,245			

MPL Labor & Burden	Bud Type	# Req'd	Unit	Cost	Total Cost w/o cont	Contingency	Total Cost w/ cont	EFC
Area Manager	Reimbursable	1	day	\$610	\$610	20.00%	\$732	\$732
Landman	Reimbursable	3	day	\$470	\$1,410	20.00%	\$1,692	\$1,692
Operations Technician	Reimbursable	21	day	\$600	\$12,600	20.00%	\$15,120	\$15,120
Operations Supervisor	Reimbursable	3	day	\$470	\$1,410	20.00%	\$1,692	\$1,692
Mechanical Tech	Reimbursable	2	day	\$350	\$700	20.00%	\$840	\$840
Specialist (Corr/Ops/Mech/EI)	Reimbursable	2	day	\$500	\$1,000	20.00%	\$1,200	\$1,200
			day		\$0	20.00%	\$0	\$0
<b>Operating Organization Labor Charges Sub-Total</b>					\$17,730	20.00%	\$21,276	\$21,276

MPL Miscellaneous	Bud Type	# Req'd	Unit	Cost	Total Cost w/o cont	Contingency	Total Cost w/ cont	EFC
1/2 ton, 3/4 ton, 1 ton pickup	Reimbursable	30	day	\$80	\$2,400	20.00%	\$2,880	\$2,880
					\$0	20.00%	\$0	\$0
<b>Operating Organization Equipment Charges Sub-Total</b>					\$2,400	20.00%	\$2,880	\$2,880
Day Only Travel	Reimbursable	0	day	\$50	\$0	20.00%	\$0	\$0
Overnight Travel	Reimbursable	5	day	\$200	\$1,000	20.00%	\$1,200	\$1,200
					\$0	20.00%	\$0	\$0
<b>Operating Organization Business Expense Charges Sub-Total</b>					\$1,000	20.00%	\$1,200	\$1,200
					\$0	20.00%	\$0	\$0
Land Damages/Water Samples	Reimbursable	1	lump	\$4,000	\$4,000	20.00%	\$4,800	\$4,800
Pipe Sample Testing	Reimbursable	1	lump	\$2,000	\$2,000	20.00%	\$2,400	\$2,400
<b>Miscellaneous Charges Sub-Total</b>					\$6,000	20.00%	\$7,200	\$7,200
<b>Miscellaneous Charges Sub-Total</b>					\$9,400	20.00%	\$11,280	\$11,280

<b>ESTIMATE SUB-TOTAL</b>	\$791,534	20.00%	\$949,841	\$949,841
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Contingency	\$158,307	20.00%
Indirect Overhead	\$0	0.00%
Inflation	\$0	0.00%

<b>TOTAL ESTIMATED COST</b>	<b>\$950,000</b>
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# PROJECT ESTIMATE

Revised 4-30-2013

LOCATION **Heath-Findlay 8" Products**

DESCRIPTION **I-75 Widening Nitrogen Purge**

Project ID **TBD**

BDGT TYPE **Reimbursable**

Estimate Based On: **Historical Data/Estimate**

PROJECT CONTINGENCY **20.00%**

## PROJECT ESTIMATE SUMMARY (Summary Section populates from Details Section)

ESTIMATE SUMMARY	Capital	Expense	Reimbursable	Retirement	Total
Contracts	\$0	\$0	\$247,000	\$0	\$247,000
PM Contracts	\$0	\$0	\$37,500	\$0	\$37,500
Material	\$0	\$0	\$12,540	\$0	\$12,540
Other	\$0	\$0	\$1,500	\$0	\$1,500
M&TE Labor & Burden	\$0	\$0	\$21,402	\$0	\$21,402
MPL Labor & Burden	\$0	\$0	\$8,720	\$0	\$8,720
MPL Miscellaneous	\$0	\$0	\$15,100	\$0	\$15,100
Inflation	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$68,752	\$0	\$68,752
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$410,000</b>	<b>\$0</b>	<b>\$410,000</b>

ESTIMATE SUMMARY	Total Cost w/o Cont	Contingency	Total Cost w/ Cont
Contracts	\$247,000	\$49,400	\$296,400
PM Contracts	\$37,500	\$7,500	\$45,000
Material	\$12,540	\$2,508	\$15,048
Other	\$1,500	\$300	\$1,800
M&TE Labor & Burden	\$21,402	\$4,280	\$25,682
MPL Labor & Burden	\$8,720	\$1,744	\$10,464
Miscellaneous Charges	\$15,100	\$3,020	\$18,120
<b>Sub-Total</b>	<b>\$343,762</b>	<b>\$68,752 20.0%</b>	<b>\$412,514</b>
<b>Lump Sum Adjustments</b>			
Indirect Overhead	\$0		\$0
Inflation	\$0		\$0
<b>Total</b>	<b>\$343,762</b>		<b>\$410,000</b>

## Scope of Work & Assumptions

Nitrogen Purge of the Harpster-Findlay segment (32.96 miles) of the HEFI 8" Products system. Purge will take place during the reroute of the HEFI 8" to accommodate the proposed improvements to I-75 in Hancock County, OH.

### Assumptions

1. Cost information for proposed reroutes are included on a separate estimate - project synergies taken into consideration.
2. PM assistance will only be required to write CDR and for field assistance - all other PM costs covered under other cost estimates.
3. Double Isolation will be provided at Harpster and Findlay Stations
4. No trap modifications will be required to receive pigs at Findlay Station.
5. 3 Frac Tanks will be needed at Findlay Station for receipt of Purge Pigs, Blowdown, and Refill.

Revisor Name	Date	Rev. #	Description
Josh Fuelling	5/6/13	0	Conceptual Estimate
Josh Fuelling	10/2/13	1	Revised Contractor costs to reflect estimates
		2	

**PROJECT ESTIMATE DETAIL**

DETAIL SECTION POPULATES ABOVE SUMMARY

Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost	
					w/o cont	Contingency	w/ cont	EFC
Mechanical Contractor - Purge Assistance	Reimbursable	1	lump	\$150,000	\$150,000	20.00%	\$180,000	\$180,000
Nitrogen (1.5Mscf)	Reimbursable	1	lump	\$25,000	\$25,000	20.00%	\$30,000	\$30,000
NDT Contractor	Reimbursable	1	lump	\$1,500	\$1,500	20.00%	\$1,800	\$1,800
Pig Tracker	Reimbursable	1	lump	\$12,500	\$12,500	20.00%	\$15,000	\$15,000
Inspector	Reimbursable	2	week	\$5,500	\$11,000	20.00%	\$13,200	\$13,200
Frac Tanks/Tank Cleaning	Reimbursable	3	each	\$4,000	\$12,000	20.00%	\$14,400	\$14,400
Product Transportation	Reimbursable	1	lump	\$20,000	\$20,000	20.00%	\$24,000	\$24,000
Engineering Purge Assistance	Reimbursable	1	lump	\$15,000	\$15,000	20.00%	\$18,000	\$18,000
<b>Contracts Sub-Total</b>					<b>\$247,000</b>	<b>20.00%</b>	<b>\$296,400</b>	<b>\$296,400</b>

Project Management Contracts	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost	
					w/o cont	Contingency	w/ cont	EFC
Engineering - Conceptual	Reimbursable	0	Total	\$3,000	\$0	20.00%	\$0	\$0
Engineering - Feasibility	Reimbursable	0	Total	\$7,500	\$0	20.00%	\$0	\$0
Engineering - Definition	Reimbursable	0	Total	\$25,000	\$0	20.00%	\$0	\$0
Engineering - Implementation	Reimbursable	1	Total	\$37,500	\$37,500	20.00%	\$45,000	\$45,000
Engineering - Closeout	Reimbursable	0	Total	\$7,500	\$0	20.00%	\$0	\$0
<b>Project Management Contract Sub-Total</b>					<b>\$37,500</b>	<b>20.00%</b>	<b>\$45,000</b>	<b>\$45,000</b>

Material	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost	
					w/o cont	Contingency	w/ cont	EFC
Pigs	Reimbursable	1	lump	\$1,000	\$1,000	20.00%	\$1,200	\$1,200
Frac Tank Piping/Fittings/Valves	Reimbursable	1	lump	\$10,000	\$10,000	20.00%	\$12,000	\$12,000
				\$0	\$0	20.00%	\$0	\$0
<b>Shipping &amp; Tax @ 14.0%</b>					<b>\$1,540</b>		<b>\$1,848</b>	<b>\$1,848</b>
<b>Material Sub-Total</b>					<b>\$12,540</b>	<b>20.00%</b>	<b>\$15,048</b>	<b>\$15,048</b>

Other	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost	
					w/o cont	Contingency	w/ cont	EFC
Miscellaneous	Reimbursable	1	Total	\$1,500	\$1,500	20.00%	\$1,800	\$1,800
				\$0	\$0	20.00%	\$0	\$0
				\$0	\$0	20.00%	\$0	\$0
<b>Other Sub-Total</b>					<b>\$1,500</b>	<b>20.00%</b>	<b>\$1,800</b>	<b>\$1,800</b>

**"NEW for 2014" Is this an MPLX Project?**  No

Note - a 15% Increase will show up in Column "G" for 2014 Projects									
M&TE Labor & Burden	Bud Type	# Req'd	Unit	Cost	Total Cost		Total Cost		EFC
					w/o cont	Contingency	w/ cont		
Project Leader - Conceptual	Reimbursable	0	day	\$1,200	\$0	20.00%	\$0	\$0	
Project Leader - Feasibility	Reimbursable	0	day	\$1,200	\$0	20.00%	\$0	\$0	
Project Leader - Definition	Reimbursable	2	day	\$1,200	\$2,760	20.00%	\$3,312	\$3,312	
Project Leader - Implementation	Reimbursable	10	day	\$1,200	\$13,800	20.00%	\$16,560	\$16,560	
Project Leader - Closeout	Reimbursable	0	day	\$1,200	\$0	20.00%	\$0	\$0	
Permitting	Reimbursable	0	Total	\$1,000	\$0	20.00%	\$0	\$0	
Accountant / Analysts (special project)			day	\$600	\$0	20.00%	\$0	\$0	
Project Specific Administrative Support			day	\$350	\$0	20.00%	\$0	\$0	
Planner			day	\$675	\$0	20.00%	\$0	\$0	
*NEW for 2014* Project Controls Specialist			day	\$700	\$0	20.00%	\$0	\$0	
Supervisor (Required time auto populates)	Capital	0	day	\$1,200	\$0	20.00%	\$0	\$0	
Supervisor (Required time auto populates)	Expense	0	day	\$1,200	\$0	20.00%	\$0	\$0	
Supervisor (Required time auto populates)	Reimbursable	1.2	day	\$1,200	\$1,656	20.00%	\$1,987	\$1,987	
Supervisor (Required time auto populates)	Retirement	0	day	\$1,200	\$0	20.00%	\$0	\$0	
			day	\$0	\$0	20.00%	\$0	\$0	
			day	\$0	\$0	20.00%	\$0	\$0	
<b>Subtotal</b>					<b>\$18,216</b>	<b>20.00%</b>	<b>\$21,859</b>	<b>\$21,859</b>	
<b>Including MPLX (6% Upcharge)</b>					<b>\$18,216</b>	<b>20.00%</b>	<b>\$21,859</b>	<b>\$21,859</b>	

DO NOT ENTER DATA IN THE GRAY SHADED AREA.

Global Procurement Rate (*NEW for 2014* - 0.8%)				Total Cost			Total Cost	
Included with Labor and Burden in Summary	Bud Type	# Req'd	Unit	Cost	w/o cont	Contingency	w/ cont	EFC
GP - Capital	Capital	1	lump sum	\$0	\$0	20.00%	\$0	\$0
GP - Expense	Expense	1	lump sum	\$0	\$0	20.00%	\$0	\$0
GP - Reimbursable	Reimbursable	1	lump sum	\$3,186	\$3,186	20.00%	\$3,823	\$3,823
GP - Retirement	Retirement	1	lump sum	\$0	\$0	20.00%	\$0	\$0
<b>P&amp;CS Sub-Total</b>				<b>\$3,186</b>	<b>\$3,186</b>	<b>20.00%</b>	<b>\$3,823</b>	<b>\$3,823</b>
<b>Labor &amp; Burden Total</b>				<b>\$21,402</b>	<b>\$0</b>	<b>\$0</b>	<b>\$25,682</b>	<b>\$25,682</b>

MPL Labor & Burden				Total Cost			Total Cost	
	Bud Type	# Req'd	Unit	Cost	w/o cont	Contingency	w/ cont	EFC
Area Manager	Reimbursable	1	day	\$610	\$610	20.00%	\$732	\$732
Landman	Reimbursable	1	day	\$470	\$470	20.00%	\$564	\$564
Operations Technician	Reimbursable	10	day	\$600	\$6,000	20.00%	\$7,200	\$7,200
Operations Supervisor	Reimbursable	2	day	\$470	\$940	20.00%	\$1,128	\$1,128
Mechanical Tech	Reimbursable	2	day	\$350	\$700	20.00%	\$840	\$840
Specialist (Corr/Ops/Mech/EI)	Reimbursable	0	day	\$500	\$0	20.00%	\$0	\$0
			day		\$0	20.00%	\$0	\$0
<b>Operating Organization Labor Charges Sub-Total</b>				<b>\$8,720</b>	<b>\$8,720</b>	<b>20.00%</b>	<b>\$10,464</b>	<b>\$10,464</b>

MPL Miscellaneous				Total Cost			Total Cost	
	Bud Type	# Req'd	Unit	Cost	w/o cont	Contingency	w/ cont	EFC
1/2 ton, 3/4 ton, 1 ton pickup	Reimbursable	20	day	\$80	\$1,600	20.00%	\$1,920	\$1,920
2 ton pickup			day	\$120	\$0	20.00%	\$0	\$0
3 ton pickup			day	\$276	\$0	20.00%	\$0	\$0
Trackhoe w/ Lowboy			day	\$658	\$0	20.00%	\$0	\$0
Rubber tire hoe w/ lowboy			day	\$410	\$0	20.00%	\$0	\$0
Dozer w/ lowboy			day	\$585	\$0	20.00%	\$0	\$0
Grader w/ lowboy			day	\$658	\$0	20.00%	\$0	\$0
<b>Operating Organization Equipment Charges Sub-Total</b>				<b>\$1,600</b>	<b>\$1,600</b>	<b>20.00%</b>	<b>\$1,920</b>	<b>\$1,920</b>
Day Only Travel	Reimbursable	0	day	\$50	\$0	20.00%	\$0	\$0
Overnight Travel	Reimbursable	5	day	\$200	\$1,000	20.00%	\$1,200	\$1,200
				\$0	\$0	20.00%	\$0	\$0
<b>Operating Organization Business Expense Charges Sub-Total</b>				<b>\$1,000</b>	<b>\$1,000</b>	<b>20.00%</b>	<b>\$1,200</b>	<b>\$1,200</b>
Land Damages	Reimbursable	1	lump	\$5,000	\$5,000	20.00%	\$6,000	\$6,000
Water Treatment Disposal	Reimbursable	1	lump	\$7,500	\$7,500	20.00%	\$9,000	\$9,000
<b>Miscellaneous Charges Sub-Total</b>				<b>\$12,500</b>	<b>\$12,500</b>	<b>20.00%</b>	<b>\$15,000</b>	<b>\$15,000</b>
<b>Miscellaneous Charges Sub-Total</b>				<b>\$15,100</b>	<b>\$15,100</b>	<b>20.00%</b>	<b>\$18,120</b>	<b>\$18,120</b>

<b>ESTIMATE SUB-TOTAL</b>	<b>\$343,762</b>	<b>20.00%</b>	<b>\$412,514</b>	<b>\$412,514</b>
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Contingency	\$68,752	20.00%
Indirect Overhead	\$0	0.00%
Inflation	\$0	0.00%

<b>TOTAL ESTIMATED COST \$410,000</b>
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