

	Memorandum										
То:	Mark Witsman, PE Town of McCordsville	Project:	Town of McCordsville, Indiana Mount Comfort Road CSX Railroad Crossing- Preliminary Planning Services								
From:	Kenneth Leo Dombroski, PE	cc:	file								
Prepared by:	Brian McNamara, Eric Westergren & Noel Amell	Job No.:	6183.1								
Date:	1 May 2025										
Subject:	Updated Cost Evaluation of the Dual U	Jnderpass .									

# 1.0 Dual Underpass Cost Evaluation

#### 1.1 Introduction

Delve Underground (formerly known as McMillen Jacobs) submitted on 21 August 2021 a technical memorandum regarding the subject of the Cost Evaluation of the Dual Underpass for Mount Comfort Road under CSX. On 15 January 2025, the Town of McCordsville authorized Delve Underground to prepare an updated version of the previous technical memorandum. The purpose of this version of the cost evaluation is to account for inflation, lingering impacts to construction costs since the Covid-19 lockdown during 2020 and 2021, changes to material costs, the influence construction wage increases since 2021, and finally the change in property values since 2021.

The new elements to this technical memorandum versus the previous 2021 version include a detailed construction schedule and a full map for property acquisition with a detailed cost table.

# 1.2 Costs Evaluated by Category

Project costs fall into the following categories: capital construction, anticipated professional fees, operation and maintenance, and property acquisition.

# 1.2.1 Opinion of Probable Construction Cost

Capital construction costs are determined through an Opinion of Probable Construction Cost (OPCC). An OPCC has been prepared for the dual underpass alternative. The OPCC is based on the 10% LGT drawings. The total project cost considers direct and indirect costs plus an owner contingency. The direct costs were estimated using bottom-up pricing using detailed quantity

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1May 2025

take-offs, material unit costs, equipment and labor costs, and production rates for structures. The indirect costs, including Contractor's overhead and profit, were estimated based upon the duration of activities and the estimate of direct costs. The adjustments to labor, equipment and materials are captured in the detailed OPCC contained in *Exhibit A*.

Besides adjusting price increases for labor, material, and equipment, Delve Underground used this update to further optimize construction sequencing and construction scheduling. The outcome of the optimization analysis identifies an opportunity to shorten the construction duration by building the cast-in-place box culverts at the existing ground surface concurrent with the excavation of the jacking pit. The previous construction cost estimate and schedule assumed the box culverts would be formed and cast in the excavated jacking pits. Forming and casting the box structures at the ground surface requires a heavy-duty crane to set the boxes in the jacking pits, but the additional labor and equipment cost associated with the crane is offset by a reduction in the indirect costs due to six months of schedule reduction. A detailed schedule showing the critical path is contained in *Exhibit B*.

The AACE International recommended practices indicate that Class 4 is the appropriate estimate class for designs at only a 10% maturity level. Therefore, a 35% contingency was applied to the estimate. The likely cost of the project is estimated to be **\$64,125,000**, which is detailed in *Exhibit A*.

The 2025 OPCC is approximately 11 percent greater than the OPCC submitted in August 2021. An increase of this magnitude appears reasonable when compared against an overall inflation rate of approximately three percent per year over 3.5 years since the previous OPCC.

# **Key Assumptions for Preparing the OPCC**

- Maintenance of Traffic costs covers the installation of barricades and detour signing when Mt Comfort Rd is closed to construct the new road at the intersections at Broadway and CR800N. The cost includes maintaining these MOT devices during the closure. (Cost Estimate Activity No. 002)
- The Utility Relocation includes a cost of \$500k that is meant to cover any secondary impacts that might arise during construction. (Cost Estimate Activity No. 003)
- A lump sum direct cost of \$500,000 for each phase of roadway construction was included for Streetscape and Aesthetic Features that includes street lighting, architectural finishes, decorative fencing, and plantings. (Cost Estimate Activity No. 040, 041, 042)
- Costs associated with Geotechnical Monitoring services and CSX Flagging of \$2,500/shift and \$1,500/day respectively was assumed. (Cost Estimate Activity No. 001 & 002)
- The OPCC prepared for this assignment only addresses the construction of the dual underpasses only. The implementation of the dual underpass project requires enabling

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works projects (also known as early action projects) that are not included in the OPCC for this assignment. An example is the cost to demolish buildings on the full parcels identified for full acquisition.

#### 1.2.2 Calculation of Fees for Professional Services

At this point of project development, it is appropriate to estimate the necessary professional fees based on a percentage of construction. When using this approach, it is customary that projects with smaller capital construction costs use higher percentages to determine design engineering fees. In the case of fees for construction administration and construction inspection, INDOT recommends using 12.5 percent of the construction cost. The anticipated fees for design engineering are \$5,771,250 (nine percent of OPCC) and the estimated fees for construction administration and inspection are \$8,015,625 (12.5 percent of OPCC).

# 1.2.3 Operation and Maintenance Costs

As part of the quantitative analysis, the consultant team estimated the operation and maintenance (O&M) costs associated with each alternative. The key assumptions include the following:

- 1. Only O&M tasks beyond those currently employed by the Town for the existing condition were evaluated. For example, annual painting of pavement makings was ignored because it is a best management practice the Town is already performing and would not be an additional cost regardless of the alternative.
- 2. The service life for the dual underpass is 50 years.
- 3. A significant rehabilitation will occur in the 25<sup>th</sup> year of service.
- 4. All costs are presented in present value so that they can be included in the total project costs associated with each alternative.
- 5. Since the original Cost Evaluation Technical Memorandum that was submitted August 13, 2021, an assumption of a yearly inflation rate of 2.9 percent was assumed for the updated O&M Costs.

The O&M costs associated with the dual underpass are shown below in *Table 1-2-3*. It should be noted that the underpass will be serving as a buried structure and have less exposure to the elements. Additionally, in comparison with the previous O&M cost evaluation that was presented to the Town in the 2021 Technical Memo, it should be noted that the overall O&M expense has grown 12 percent while assuming a 2.9 percent inflation rate for all unit pricing that is presented below.



Table 1-2-3: Operation and Maintenance Cost Based on 50-year Service Life

Operat	Operation and Maintenance Cost Based on 50 Year Service Life											
Description	Quantity 2021 Unit Price		2021 Unit Price	2025 Unit Price*			Present- Day Value of O&M Cost					
Dual Underpass												
Catch Basin Cleaning	50	\$	14,600	\$	16,370	\$	818,500					
Pump Replacement at Year 20	3	\$	6,000	\$	6,730	\$	20,190					
Annual Usage Stormwater	50	\$	3,718	\$	4,170	\$	208,500					
Annual Usage Sanitary Sewer	50	\$	1,859	\$	2,085	\$	104,250					
Annual Underpass Inspection	50	\$	10,270	\$	11,515	\$	575,750					
Structural Rehab at Year 25	2	\$	200,000	\$	224,230	\$	448,460					
Total						\$	2,175,650					

<sup>\*</sup>Based on an assumed 2.9 percent inflation rate compounded annually

## 1.2.4 Property Acquisition Costs

The Hancock County Geographic Information System (GIS) was used to obtain parcel information required for the acquisition of property related to the dual underpass alternative. Property boundary surveys were not performed as part of the preliminary planning services. In addition to information obtained from Hancock County GIS, the Town provided the consultant team in 2021with records pertaining to right-of-way acquisition for a 2019 project on Mt. Comfort Road at W. Broadway Road. The cost to acquire right-of-way (ROW) for the project was \$610,000 per acre. The cost of \$610,000 per acre was applied for all land acquisition in the 2021 version of the technical memorandum.

In the updated cost evaluation for 2025, an adjustment was made regarding the land acquisition cost. For the residential properties where the entire parcel would be anticipated to be acquired, a property value assessment was performed through online real estate platforms. It is assumed for the Town to acquire these properties the anticipated cost will be the published fair market value estimate with a 2.0 multiplier to account for just compensation to the homeowner. For the remaining commercial and residential properties where only a fraction of the parcel will be acquired for the right-of-way project requirements, the previous value of \$610,000 per acre from the 2021 version of the technical memorandum was utilized. To assess the current land value appreciation, the Green Street Commercial Property Price Index (CPPI) was incorporated into the current land value appreciation. Based on the Green Street CPPI, since 2022, commercial property land values have appreciated 4.77 percent. This appreciation adjusts the 2021 land value to approximately \$639,097 per acre.

The outlier for land acquisition costs is Parcel ID 005. The entire parcel is identified for acquisition. It is clearly a commercial parcel, and the formula used for acquiring full residential properties does not apply in this case. However, the unit price of \$639,097 per acre would not be appropriate for Parcel ID 005. Therefore, the unit price and total acquisition cost for Parcel ID



005 shown in *Table 1-2-4* and *Exhibit C* is the best budget estimate until the property is fully appraised, and negotiations commence with the property owner.

In addition to adjustments to unit pricing for land acquisition, the Town provided information regarding the probable acquisition of ROW to accommodate the widening and lane additions on Mt. Comfort Road for the upcoming at-grade improvements for the CSX crossing. This information was used to make reductions in the amount of property that needs to be acquired for the dual underpass. *Figure 1-2-4* provides a quick overview of property impacts from the dual underpass with costs summarized in Table *1-2-4*. A more detailed ROW and land acquisition map with a summary table is contained in *Exhibit C*.

PARCEL ID 007
PARCEL ID 007
PARCEL ID 008
PARCEL ID 008
PARCEL ID 009
PARCEL ID 009
PARCEL ID 009
PARCEL ID 000
PA

Figure 1-2-4: Overview of Property Impacts from the Dual Underpass



Table 1-2-4 Land Acquisition Cost Summary

Dual Underpass Land Acquisition 2025									
Parcel ID Number	Total Land Acquisition for Dual Underpass (ac.)	Land Acquisiton Cost							
001	3.171	\$1,080,000							
002	1.067	\$700,000							
003	0.107	\$68,383							
004	0.047	\$30,038							
005	0.460	\$1,515,000							
006	0.021	\$13,421							
007	0.003	\$1,917							
008	0.193	\$123,346							
009	0.137	\$87,556							
010	0.0	\$0							
011	0.101	\$64,549							
	Total :	\$3,684,210							

# 1.2.5 Summary of Costs for Dual Underpass

The overall estimated cost to design, build, and maintain the dual underpass is approximately \$83,771,735. *Table 1-2-5a* itemizes the category costs for the dual underpass project. The Town of McCordsville is applying for federal funding to assist in the design and construction of the project. *Table 1-2-5b*. shows the probable splits between federal and local funding.

Table 1-2-5a. Summary of All Project Costs

Project Cost Category Name	Individual Category Cost (\$)
Construction	64,125,000
Design Engineering	5,771,250
Construction Administration and Construction Inspection (CA & CI)	8,015,625
Operation and Maintenance (O & M)	2,175,650
Property Acquisition	3,684,210
Total Project All Costs	\$83,771,735



Table 2-2-5b. Potential Federal Funding Scenario for Design and Construction

Cost Category Name	Federal/Local Participation Split	Federal Funding Share (\$)	Local Funding Share (1) (\$)	Project Totals (\$)
Design Engineering	0% / 100%	0	5,771,250	5,771,250
Construction	80% / 20%	51,300,000	12,825,000	64,125,000
CA & CI	80% / 20%	6,412,500	1,603,125	8,015,625
Property Acquisition	0% / 100%	0	3,684,210	3,684,210
	TOTALS:	57,712,500	\$23,883,585	81,596,085

Table Note (1): The Town is the sole local participant in design engineering and property acquisition category costs. The cost for CA & CI will be shared between the Town and Hancock County. The split of the local share for CA & CI will be determined later.



**Exhibit A:** Opinion of Probable Construction Cost



Project Client Job No. Estimator Rev Computed on Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM 0 2/20/2025

Dual Underpass Construction - 10% Estimate 1:48 PM

# OPINION OF PROBABLE UNESCALATED CONSTRUCTION BID INCLUDING OWNER CONTINGENCY

No.	Item or Group Item Description	Group Item Cost	Item Quantity/Unit	Item Unit Cost	Status Item Cost
001	Geotechnical Instrumentation	·	LS		\$685,000
	Geotechnical Instrumentation	\$685,000			
002	Maintenance of Traffic	, ,	LS		\$168,460
	Maintenance of Traffic	\$168,460			,,
003	Utility Relocation	,,	LS		\$2,225,000
	Utility Relocation	\$2,225,000			, , -,
004	Mt Comfort Road - Mobilization / Site Setup	<b>+-,,</b>	LS		\$52,848
	Mt Comfort Road - Mobilization / Site Setup	\$52,848			, , , ,
005	Mt Comfort Road - Install Temp Dividing Wall	, - ,	LS		\$968,327
	Mt Comfort Road - Temporary Wall	\$968,327			, , .
006	Mt Comfort Road - Exc & Support NB Jacking Pit	*****	LS		\$1,229,971
	Mt Comfort Road - Pour NB Jacking Slab		370 cy	\$1,278 /cy	\$472,898
	Mt Comfort Road - NB Jacking / Casting Pit	\$1,702,869	,	, , ,	, , , , , , , , , , , , , , , , , , , ,
008	Mt Comfort Road - Jet Grout Headwall	¥ -,,,-	148 cy	\$1,700 /cy	\$251,583
	Mt Comfort Rd- Exc & Support NB Receiving Pit		LS	, , ,	\$1,229,971
	Mt Comfort Road - Pour NB Mud Mat Receiving Pit		185 cy	\$300 /cy	\$55,567
	Mt Comfort Road - NB Receiving Pit	\$1,537,121	,	, ,	, ,
011	Mt Comfort Road - Cast NB Culvert #1	, , ,	561 cy	\$1,388 /cy	\$778,480
	Mt Comfort Road - Cast NB Culvert #2		561 cv	\$1,388 /cy	\$778,480
	Mt Comfort Road - Cast NB Culvert Sections	\$1,556,960		+ 1,000 / - )	<b>4.1.2,122</b>
013	Mt Comfort Road - Install Shield	<b>¥</b> 1,000,000	LS		\$76,616
	Mt Comfort Road - Install Jacking System		LS		\$90,077
	Mt Comfort Road - Excavate NB Culvert #1		50 ft	\$20,603 /ft	\$1,030,170
	Mt Comfort Road - Position NB Culvert #2		LS	<b>420,000</b> ///	\$149,458
	Mt Comfort Road - Excavate NB Culvert #2		50 ft	\$20,603 /ft	\$1,030,170
	Mt Comfort Road - Remove Jacks & Shield		LS	Ψ20,000 //τ	\$118,430
010	Mt Comfort Road - NB Culvert Installation	\$2,494,922	20		ψ110,400
<b>N1</b> 0	Mt Comfort Road - Excavate & Support NB Wall 2	Ψ2,737,322	LS		\$1,746,346
	Mt Comfort Road - Excavate & Support NB Wall 1		LS		\$975,376
020	Mt Comfort Road - Excav & Support NB	\$2,721,723	LO		ψθ13,310
021	Mt Comfort Road - Final Wall Facing NB Wall 2	\$2,721,723	LS		\$742,068
	Mt Comfort Road - Final Wall Facing NB Wall 1		LS		\$596,533
022	Mt Comfort Road - Final Wall Facing NB	\$1,338,601	LO		φυθυ,υυυ
വാ	<del>_</del>	φ1,336,601	LS		\$1,229,971
	Mt Comfort Road - Exc & Support SB Jacking Pit		370 cy	¢4 070 /av	\$472,898
024	Mt Comfort Road - Pour SB Jacking Slab	¢4 702 960	370 Cy	\$1,278 /cy	φ4 <i>1</i> 2,696
005	Mt Comfort Road - SB Jacking / Casting Pit	\$1,702,869	140 04	¢4.700 /av	¢054 502
	Mt Comfort Road - Jet Grout Headwall		148 cy	\$1,700 /cy	\$251,583
	Mt Comfort Rd- Exc & Support SB Receiving Pit		LS	<b>#000</b> /···	\$1,229,971
027	Mt Comfort Road - Pour SB Mud Mat Receiving Pit	£4 507 404	185 cy	\$300 /cy	\$55,567
000	Mt Comfort Road - SB Receiving Pit	\$1,537,121	F00	Φ4 404 /···	<b>#</b> 000 400
	Mt Comfort Road - Cast SB Culvert #1		566 cy	\$1,431 /cy	\$809,409
029	Mt Comfort Road - Cast SB Culvert #2	******	566 cy	\$1,430 /cy	\$809,597
	Mt Comfort Road - Cast SB Culvert Sections	\$1,619,006			<b>*</b>
	Mt Comfort Road - Install Shield		LS		\$74,217
	Mt Comfort Road - Install Jacking System		LS		\$90,077
	Mt Comfort Road - Excavate SB Culvert #1		56 ft	\$21,546 /ft	\$1,206,565
	Mt Comfort Road - Position SB Culvert #2		LS		\$149,458
	Mt Comfort Road - Excavate SB Culvert #2		56 ft	\$21,546 /ft	\$1,206,565
035	Mt Comfort Road - Remove Jacks & Shield		LS		\$118,430
	Mt Comfort Road - SB Culvert Installation	\$2,845,312			
	Mt Comfort Road - Excavate & Support SB Wall 2		LS		\$1,498,175
037	Mt Comfort Road - Excavate & Support SB Wall 1		LS		\$710,391
	Mt Comfort Road - Excav & Support SB	\$2,208,566			
038	Mt Comfort Road - Final Wall Facing SB Wall 2		LS		\$806,936
039	Mt Comfort Road - Final Wall Facing SB Wall 1		LS		\$587,499
	Mt Comfort Road - Final Wall Facing SB	\$1,394,435			
040	Mt Comfort Rd - NB Roadway Construction		LS		\$3,221,600
	Mt Comfort Rd - Broadway Int. Roadway		LS		\$2,023,200
	Mt Comfort Rd - SB Roadway Construction		LS		\$1,860,800
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Project Mt Comfort Road Dual Underpass Construction - 10% Estimate	Client Town of Mc	Cordsville, IN	Job No. <b>6183.1</b>	Estimator RLR/BM	Rev 0	Computed on 2/20/2025 1:48 PM			
OPINION OF PROBABLE UNESCAL	ATED CONSTRUCT	ON BID INCLU	DING OWNE	R CONTING	ENCY				
Mt Comfort Rd - Roadway Construction	\$7,105,600								
043 Mt Comfort Rd - Install Pump Station		LS				\$1,200,000			
Mt Comfort Rd - Pump Station	\$1,200,000								
			Subtotal D	irect Cost		\$35,064,739			
044 Equipment Ownership not in Direct Cost			0.1%	directs		\$35,000			
045 General Mobilization		1.0 mo	1.0%	unesc.bid		\$477,189			
046 Demobilization/Punchlist		1.0 mo	0.2%	unesc.bid		\$95,838			
047 General Plant Operation/Maintenance		36.5 mo	\$3,047	/mo		\$111,215			
048 Field Supervision		38.5 mo	\$132,095	/mo		\$5,085,651			
049 Overhead Maintenance/Service		38.5 mo	\$9,486	/mo		\$365,220			
050 Bonds, Insurance, and Taxes not in General Mobil	ization		1.9%	unesc.bid		\$904,881			
051 Contractor Markup			10.7%	of cost		\$4,573,643			
052 Financing Charges			0.5%	unesc.bid		\$260,827			
053 Contractor Contingency			1.1%	unesc.bid		\$525,971			
			Subtotal Ind	irect Cost		\$12,435,434			
054 Escalation-excluded from estimate	\$10,619,082 (22	.4% unescalate	d bid						
Jun 2027 NTP: 38.5 mo project duration		Unescal	ated Constr	uction Bid		\$47,500,173			
055 Owner Contingency			35.0%	unesc.bid		\$16,625,100			
Opinion of Probable Unescalated Construction Bid including Owner Contingency									

#### Table of Contents:



<sup>;</sup> Direct Detail p3; Indirect Detail p31; Escalation Detail p34; Contingency Detail p34; Resource Rate and Usage Detail p35; Estimate Metrics p40

Project
Mt Comfort Road
Dual Underpass Construction - 10% Estimate

Client Town of McCordsville, IN

Job No. Estimator **6183.1 RLR/BM** 

ator Rev

Computed on 2/20/2025 1:48 PM

No.	Item De	scription		Item Quantity/Unit	Prod	luction rate	Other	fixed time		Total time
001	Geote	chnical Instrumentation		1 LS			240	days	240	work days
		manhours <b>0</b>	Labor <b>\$0</b>	Equipment \$0		Material <b>\$0</b>		Subcontract \$685,000		Item Cost <b>\$685,000</b>
		Status (Additive)		Work schedule			Oth	ner ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0	hr/shift	0	hr/shift
		Install & monitor geotechnical								
		Days Working Under Tracks	60 days	2 shifts/day	120	shifts				
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur	nit Cost	Resource Q	uantity	Resource Cost
S	geos	Geotechnical Instr sub				\$135,000	/LS	1.00	LS	\$135,000
			CSX Geotech Mon	itoring						
S	csxgm	CSX Geotech Monitoring	120.0 sh			\$2,500	/sh	120.0	sh	\$300,000
S	ains	Automated instrumentation				\$250,000	/ls	1.00	LS	\$250,000
No.	Item De	scription		Item Quantity/Unit	Prod	luction rate	Other	fixed time		Total time

No.	Item De	scription		Item Quantity/Unit	Proc	luction rate	Other f	fixed time		Total time
002	Maint	enance of Traffic		1 LS			14	days	14	work days
		manhours	Labor	Equipment		Material		Subcontract		Item Cost
		448	\$25,736	\$0		\$37,724		\$105,000		\$168,460
		Status (Additive)		Work schedule			Othe	er ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0	hr/shift	0	hr/shift
		This item it meant to provide b	oudget over the co	ourse of the project to	set up a	and take dow	n MOT a	s needed		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Un	nit Cost	Resource Qu	antity	Resource Cost
M	sts	Small tools and supplies				\$3.00	/mhr	448.0 r	nhr	\$1,344
			MOT Crew - Setu	ıp MOT						
L	lfm	Labor FM				\$59.48	/mhr	112.0 r	nhr	\$6,661
L	lab	General Labor (Grp 1)			2	\$56.77	/mhr	224.0 r	nhr	\$12,716
L	flag	Flagman (Grp 1)			1	\$56.77	/mhr	112.0 r	nhr	\$6,358
			MOT Signage / N	lessage Boards, Con	es					
M	mot	Maintenace of traffic mat'l			2	\$18,190	/LS	2.00 L	_S	\$36,380
			CSX Flagging Se	ervices						
S	csxfl	CSX Flagging	70.00 day			\$1,500	/day	70.00 (	day	\$105,000

No.	Item Description			Item Quantity/Unit	Pro	duction rate	Other fixed time		Total time
003	Utility	Relocation		1 LS			50 days	50	work days
		manhours	Labor	Equipment		Material	Subcontract		Item Cost
		0	\$0	\$0		\$0	\$2,225,000		\$2,225,000
		Status (Additive)		Work schedule			Other ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0 hr/shift	0	hr/shift
		Relocate existing utilities			35	days	concurrent		
		Relocate 20" watermain	3000 ft	30.00 ft/day	50	days	2 crews		
		Total Duration			50	days			
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Uni	it Cost Resource C	Quantity	Resource Cost
			<b>Utility Relocation S</b>	Subcontractor					
			For Secondary Imp	pacts					
S	util	Utility relocation				\$500,000	/LS 1.00	LS	\$500,000
			20" Watermain Rei	location Subcontrac	tor				
S	20wm	Relocate 20" Water Main	3000 If			\$575	/lf 3000	lf	\$1,725,000

No.	Item De	scription		Item Quantity/Unit	Prod	duction rate	Other f	fixed time		Total time	
004	Mt Comfort Road - Mobilization / Site		ite Setup	p 1 LS			5	5 days		5 work days	
		manhours	Labor	Equipment		Material		Subcontract		Item Cost	
		440	\$30,803	\$10,025		\$12,020		\$0		\$52,848	
		Status (Additive)		Work schedule			Othe	er ST pay	Oth	er OT pay	
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0	hr/shift	0	hr/shift	
		Mobilize & setup laydown area	as	5 days							
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur	it Cost	Resource Q	uantity	Resource Cost	
M	sts	Small tools and supplies				\$3.00	/mhr	440.0	mhr	\$1,320	
			Site Crew								
L	lfm	Labor FM				\$59.48	/mhr	40.00	mhr	\$2,379	
L	lab	General Labor (Grp 1)			3	\$56.77	/mhr	120.0	mhr	\$6,812	
L	เลม	General Labor (Grp 1)			3	φ50.//	/HHH	120.0	HILL	\$6,81	



	Comfor	t Road rpass Construction - 10% Es	Client Town of McCordsvil timate	le, IN	Job No. <b>6183.1</b>	Estimator Rev RLR/BM 0	Computed on 2/20/2025 1:48 PM
			DIRECT COST DETA	IL			
Е	lp6	Light Plant/Genset, 6kW, 4/10	W00W	3	\$8.60 /hr	120.0 hr	\$1,032
L	eo3+	Excavator >3.5cy (Grp 8)			\$77.24 /mhr	40.00 mhr	\$3,090
E	he330	SK330LC Exc 77.8/2.1cy			\$138 /hr	40.00 hr	\$5,502
L	flag	Flagman (Grp 1)			\$56.77 /mhr	40.00 mhr	\$2,271
Ε	cp12	Compressor, trailer 1200cfm			\$81.69 /hr	40.00 hr	\$3,268
E	g10	Generator, trailer 10.0kW			\$5.57 /hr	40.00 hr	\$223
L	comp	Compressorman (Grp 5)			\$74.91 /mhr	40.00 mhr	\$2,996
L	efm	Electrician FM			\$87.29 /mhr	40.00 mhr	\$3,492
L	ejm	Electrician JM		200%	\$84.59 /mhr	80.00 mhr	\$6,767
L	mw	HD Mech/Welder (Grp 1)			\$74.91 /mhr	40.00 mhr	\$2,996
			Silt Fence / Fencing / Aggregate Base				
M	xmisc	Miscellaneous material	10.00 lot		\$1,070 /lot	10.00 lot	\$10,700
	lt D-					6 J &: T	-4-14:

No.	Item De	scription		Item Quantity/Unit	Proc	duction rate	Other	fixed time	Т	otal time
005	Mt Co	mfort Road - Install Temp Di	viding Wall	1 LS			21	days	21 v	work days
		manhours <b>712</b>		Equipment <b>\$24,498</b>		Material \$2,136		Subcontract \$900,000		Item Cost <b>\$968,327</b>
		Status (Additive)		Work schedule			Oth	er ST pay	Othe	er OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0	hr/shift	0 h	nr/shift
		Temp wall construction betwe	en NB & SB road	s (cost includes demo	olition)					
		Mobilize & set up					2	days		
		Install wall with steel		16000 sf		sf/day	16	days		
		Demo Wall		1000 If	200	lf/day	5	days		
		Total Duration					21	days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur		Resource Qua		Resource Cost
M	sts	Small tools and supplies				\$3.00	/mhr	712.0 m	ıhr	\$2,136
			Support Crew							
L	lfm	Labor FM				\$59.48		168.0 m		\$9,992
L	lab	General Labor (Grp 1)			2	\$56.77		336.0 m		\$19,074
L	flag	Flagman (Grp 1)				\$56.77	/mhr	168.0 m	ıhr	\$9,537
E	cp12	Compressor, trailer 1200cfm				\$81.69	/hr	168.0 hi	r	\$13,724
E	lp6	Light Plant/Genset, 6kW, 4/10	W000		3	\$8.60	/hr	504.0 hi	ſ	\$4,336
E	g10	Generator, trailer 10.0kW				\$5.57	/hr	168.0 hi	r	\$937
			Wall Subcontract	tor						
S	twm	SOE sub mob	1.00 LS			\$100,000	/LS	1.00 L	S	\$100,000
S	tws	SOE wall w/ steel	16000 sf			\$50.00	/sf	16000 sf	:	\$800,000
			Demo Crew							
L	eo3+	Excavator >3.5cy (Grp 8)	5.00 day	8.00 mhr/day		\$77.24	/mhr	40.00 m	hr	\$3,090
E	he330	SK330LC Exc 77.8/2.1cy	5.00 day	8.00 hr/day		\$138	/hr	40.00 hi	r	\$5,502

No.	Item De	escription		Item Quantity/Unit	Produ	uction rate	Other fixed time		Total time
006	Mt Co	omfort Road - Exc & Support	NB Jacking Pit	1 LS			48 days	48	work days
		manhours <b>7,120</b>		Equipment <b>\$296,847</b>		Material <b>\$55,773</b>	Subcontrac <b>\$390,01</b>		Item Cost \$1,229,971
		Status (Additive)		Work schedule			Other ST pay	Oth	ner OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5 (	day/week	0 hr/shift	0	hr/shift
		Soil nail & shotcrete installation	on - Two crews NE	8 & SB	2 (	crews			
		Excavation per level		1445 bcy	250	cy/day	6		
		Install soil nails per level		18 ea	4 (	ea/dy	5		
		Shotcrete per level		19 cy	2 (	cy/hr	1		
		Number of levels		4 ea					
		Total duration					48 days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Un	it Cost Resource	Quantity	Resource Cost
L	lp	Labor premium				5.258%	\$4	62,992	\$24,344
M	sts	Small tools and supplies				\$3.00	/mhr 7120	) mhr	\$21,360
			Support Crew						
L	lfm	Labor FM				\$59.48	/mhr 480.0	) mhr	\$28,548
L	lab	General Labor (Grp 1)			2	\$56.77	/mhr 960.0	) mhr	\$54,499
L	flag	Flagman (Grp 1)				\$56.77	/mhr 480.0	) mhr	\$27,249
L	c45-	Crane oper. <45t (Grp 9)			2	\$77.24	/mhr 960.0	) mhr	\$74,149



Town of McCordsville, IN

Job No. Estimator

6183.1 RLR/BM

Computed on

2/20/2025

Rev

0

Client

Project

Mt Comfort Road

ual U		pass Construction - 10% Es		own of McCordsvII	iio, ii <b>v</b>		6183.	I KLK/BIM		1:48 PN
		,		IRECT COST DETA	IL					
lo	4+	Loader oper. >4cy (Grp 10)				\$77.24	/mhr	480.0 ı	mhr	\$37,07
ho	c40	Hydraulic Crane 40ton/105'			2	\$101	/hr	960.0 I	nr	\$96,880
19	14	Wheel Loader Cat 914/1.7cy				\$39.30	/hr	480.0 l	٦r	\$18,86
ср	o12	Compressor, trailer 1200cfm				\$81.69	/hr	480.0 l	٦r	\$39,21
g1	10	Generator, trailer 10.0kW				\$5.57	/hr	480.0 I	nr	\$2,67
CC		Compressorman (Grp 5)				\$74.91	/mhr	480.0 ı	mhr	\$35,95
lp(		Light Plant/Genset, 6kW, 4/10			3	\$8.60		1440 I		\$12,38
m	iuck	Muck disposal	8667 lcy Soil Nail Crew			\$45.00	/lcy	8667 I	су	\$390,01
lfn	m	Labor FM				\$59.48	/mhr	480.0 ı	mhr	\$28,54
lal	b	General Labor (Grp 1)	20.00 day	10.00 mhr/day	6	\$56.77	/mhr	1200 ı	mhr	\$68,12
dr		Drill operator (Grp 6)	20.00 day	10.00 mhr/day	2	\$77.24	/mhr	400.0 ו	mhr	\$30,89
at	t	Air track 12' feed	Ť	•	2	\$35.63	/hr	960.0 I	nr	\$34,20
m	130	Man-Lift 30' articulated boom			2	\$17.87	/hr	960.0 I	٦r	\$17,15
gr	р	Grout Plant, skid	20.00 day	10.00 hr/day	2	\$16.84	/hr	400.0 I	nr	\$6,73
sn	า	Soil nials	72.00 ea			\$245	/ea	72.00 €	ea	\$17,64
CS	3	Cement - sack	72.00 ea Excavation Crew			\$17.12	/ea	72.00 €	ea	\$1,23
lal	h	General Labor (Grp 1)	24.00 day	10.00 mhr/day	2	\$56.77	/mhr	480.0 ı	mhr	\$27,24
		Excavator >3.5cy (Grp 8)	24.00 day	10.00 mhr/day	2	\$77.24		480.0 1		\$37,0
		SK330LC Exc 77.8/2.1cy	24.00 day	10.00 hr/day	2	\$138		480.0 l		\$66,0
	0000	S1100020 Exe 11.0/2.10y	Shotcrete Crew	10.00 m/day	_	ψ.00	,	100.0 1	"	φου,υ.
lal	b	General Labor (Grp 1)	4.00 day	10.00 mhr/day	6	\$56.77	/mhr	240.0 ו	mhr	\$13,62
sp		Shotcrete pot Aliva, 2cy/hr	4.00 day	10.00 hr/day	2	\$33.89		80.00 l		\$2,7
		Shotcrete	74.00 cy	,		\$210	/cy	74.00		\$15,5
		scription mfort Road - Pour NB Jackin	g Slab	Item Quantity/Unit	Prod	uction rate		r fixed time  O days		Fotal time work days
			9	or o oy						
		manhours	Labor	Equipment		Material		Subcontract		Item Co
		manhours 2,100	Labor <b>\$146,955</b>	Equipment \$58,110		\$267,833		Subcontract \$0		Item Co <b>\$472,8</b> 9
		manhours <b>2,100</b> 5.676	Labor	Equipment <b>\$58,110</b> \$157.06				Subcontract \$0 \$0.00		Item Co <b>\$472,89</b> \$1,278.
4		manhours 2,100 5.676 Status (Additive)	Labor <b>\$146,955</b> \$397.18	Equipment \$58,110 \$157.06 Work schedule	-	<b>\$267,833</b> \$723.87	Ot	Subcontract \$0 \$0.00 her ST pay	Oth	Item Co <b>\$472,8\$</b> \$1,278.7 er OT pay
1.	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal)	Labor <b>\$146,955</b>	Equipment \$58,110 \$157.06 Work schedule 1 shift/day		<b>\$267,833</b> \$723.87 day/week	Ot (	Subcontract \$0 \$0.00 her ST pay hr/shift	Oth 0	Item Co <b>\$472,89</b> \$1,278.7 er OT pay hr/shift
1.	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement	Labor <b>\$146,955</b> \$397.18	Equipment \$58,110 \$157.06 Work schedule		<b>\$267,833</b> \$723.87	Ot (	Subcontract \$0 \$0.00 her ST pay	Oth 0 6	\$472,89 \$1,278.7 \$1,278.7 er OT pay hr/shift days
1.	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams	Labor <b>\$146,955</b> \$397.18	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb		<b>\$267,833</b> \$723.87 day/week	Ot (	Subcontract \$0 \$0.00 her ST pay hr/shift	Oth 0 6 3	\$472,89 \$472,89 \$1,278.2 er OT pay hr/shift days days
1.	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete	Labor <b>\$146,955</b> \$397.18	Equipment \$58,110 \$157.06 Work schedule 1 shift/day		<b>\$267,833</b> \$723.87 day/week	Ot (	Subcontract \$0 \$0.00 her ST pay hr/shift	Oth 0 6 3	stem Co \$472,89 \$1,278.7 er OT pay hr/shift days days days
	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration	\$146,955 \$397.18 10 hr/shift	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150	\$267,833 \$723.87 day/week lb/mhr	Ot ( 50	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day	Oth 0 6 3 1	Item C. \$472,88 \$1,278. \$1,278
Co	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description	Labor <b>\$146,955</b> \$397.18	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb		\$267,833 \$723.87 day/week lb/mhr	Ot ( 50	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day	Oth	Item C \$472,8: \$1,278. er OT pay hr/shift days days days days days Resource C
	.000 ode	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration	\$146,955 \$397.18 10 hr/shift	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150	\$267,833 \$723.87 day/week lb/mhr	Ot ( 50	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day	Oth 0 6 3 1 10 eantity 0,614	Item Co. \$472,89 \$1,278.* er OT pay hr/shift days days days days days Resource Co. \$7,34
Co	.000 ode	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium	\$146,955 \$397.18 10 hr/shift	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258%	Ot ( 50	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139	Oth 0 6 3 1 10 eantity 0,614	Item C \$472,8: \$1,278. er OT pay hr/shift days days days days Resource C \$7,36
Co	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258%	Ot ( 50 50 iit Cost	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139	Oth  0  6 3 1 10  antity 0,614 mhr	Item C \$472,8' \$1,278. er OT pay hr/shift days days days days Resource C \$7,34
Co lp sts	ode	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258% \$3.00	Ot ( 50 sit Cost /mhr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139 2100 ii	Oth	Item C \$472,8' \$1,278. er OT pay hr/shift days days days days Resource C \$7,34 \$6,36
Co lp sts	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies Labor FM	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258% \$3.00 \$59.48	Ot ( 50 hit Cost /mhr /mhr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139 2100 I	Oth  0  6 3 1 10 isantity 0,614 mhr mhr	Item C \$472,8' \$1,278. er OT pay hr/shift days days days days Resource C \$7,34 \$6,30 \$5,94 \$11,33
Ip sts Ifn Ial	ode dess m b ag	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1)	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258% \$3.00 \$59.48 \$56.77	Ot ( 50 iit Cost /mhr /mhr /mhr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139 2100 II 200.0 II	Oth  0  6 3 1 10  eantity 0,614 mhr mhr	Item C \$472,8: \$1,278. er OT pay hr/shift days days days Resource C \$7,3: \$6,3: \$5,9: \$11,3: \$5,6:
Ip sts Ifn Ial fla	ode diss m b dag 45-	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1)	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258% \$3.00 \$59.48 \$56.77 \$56.77	Ot ( 50 iit Cost /mhr /mhr /mhr /mhr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139 2100 ii 200.0 ii 100.0 ii	Oth  0  6 3 1 10 santity 0,614 mhr mhr mhr mhr	Item C \$472,8: \$1,278. er OT pay hr/shift days days days Resource C \$7,36: \$5,96: \$15,4:
Cool posts	.000 de ds m b ag 45- 4+	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9)	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258% \$3.00 \$59.48 \$56.77 \$56.77 \$77.24	Ot ( 50 hit Cost /mhr /mhr /mhr /mhr /mhr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139 2100 I 200.0 I 200.0 I	Oth  0  6  3  1  10  santity  0,614  mhr  mhr  mhr  mhr  mhr  mhr	Item C \$472,8: \$1,278. er OT pay hr/shift days days days Resource C \$7,3: \$6,3: \$5,6: \$15,4: \$7,7:
Ifn lal fla c4 lo-hc	.000 	manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10)	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258% \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$77.24	Ot ( 50 hit Cost /mhr /mhr /mhr /mhr /mhr /mhr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139 2100 i  100.0 i 200.0 i 100.0 i 100.0 i	Oth  0  6 3 1 10 santity 0,614 mhr mhr mhr mhr mhr	Item C \$472,8: \$1,278. er OT pay hr/shift days days days Resource C \$7,3: \$6,3: \$5,6: \$15,4: \$7,7: \$20,1:
Ifn lal flac4 lo-ho	.000 .000 	manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105'	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258% \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$77.24 \$101	Ot ( 50 hit Cost /mhr /mhr /mhr /mhr /mhr /hr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139 2100   100.0   200.0   100.0   200.0	Oth  0  6  3  1  10  santity  0,614  mhr  mhr  mhr  mhr  mhr  mhr  mhr	Item Cc \$472,8t \$1,278. er OT pay hr/shift days days days \$7,34 \$6,30 \$5,94 \$11,35 \$5,65 \$15,44 \$7,72 \$20,18 \$3,95
Ifn lal flac4 lo-ho	ode des m b ag 45- 4+ c40 114	Manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2	\$267,833 \$723.87 day/week lb/mhr Resource Ur 5.258% \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$77.24 \$101 \$39.30	Ot ( 50 hit Cost /mhr /mhr /mhr /mhr /hr /hr /hr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$139 2100 i  200.0 i 100.0 i 200.0 i 100.0 i 200.0 i 100.0 i	Oth  0  6  3  1  10  santity  0,614  mhr  mhr  mhr  mhr  mhr  mhr  mhr  mh	Item C \$472,8: \$1,278. er OT pay hr/shift days days days Resource C \$7,3: \$6,3: \$5,6: \$15,4: \$7,7: \$20,1: \$3,9: \$8,1:
Ifn lai fla c4 lo-hc l9 cp g1		manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm	Labor \$146,955 \$397.18 10 hr/shift Resource Qty/Unit	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2	\$267,833 \$723.87 day/week lb/mhr 5.258% \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$101 \$39.30 \$81.69	Ot ( 50 iit Cost /mhr /mhr /mhr /mhr /hr /hr /hr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$133 2100 I  200.0 I  100.0 I  200.0 I  100.0 I  100.0 I  100.0 I	Oth  0  6  3  1  10  santity  0,614  mhr  mhr  mhr  mhr  mhr  mhr  mhr  mh	Item Cc \$472,8t \$1,278. er OT pay hr/shift days days days \$7,34 \$6,30 \$5,94 \$11,35 \$5,65 \$15,44 \$7,72 \$20,18 \$3,95 \$8,10 \$55
Ifn lai fla c4 lo-hc l9 cp g1		manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW	Labor \$146,955 \$397.18  10 hr/shift  Resource Qty/Unit  Support Crew	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2	\$267,833 \$723.87 day/week lb/mhr 5.258% \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$101 \$39.30 \$81.69 \$5.57	Ot (50 50 mit Cost /mhr /mhr /mhr /mhr /hr /hr /hr /hr /hr /hr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$133 2100 I  200.0 I  100.0 I  200.0 I  100.0 I  100.0 I  100.0 I  100.0 I	Oth  0  6  3  1  10  santity  0,614  mhr  mhr  mhr  mhr  mhr  mhr  mhr  mh	Item C \$472,8: \$1,278. er OT pay hr/shift days days days \$6,30 \$5,96 \$11,3: \$5,66 \$15,44 \$7,72 \$20,11 \$3,93 \$8,11 \$55; \$7,44
Ifn Ial	.0000	manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10	Labor \$146,955 \$397.18  10 hr/shift  Resource Qty/Unit  Support Crew	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2 2	\$267,833 \$723.87 day/week lb/mhr 5.258% \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60	Ot ( 50 iit Cost /mhr /mhr /mhr /hr /hr /hr /hr /hr /hr	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$133 2100 I 200.0 I 100.0 I 200.0 I 100.0 I	Oth  0  6  3  1  10  santity  0,614  mhr  mhr  mhr  mhr  mhr  mhr  mhr  mh	Item Cc \$472,8t \$1,278. er OT pay hr/shift days days days \$7,34 \$6,30 \$5,94 \$11,35 \$5,65 \$15,44 \$7,72 \$20,18 \$3,95 \$8,10 \$55,56 \$7,44 \$2,56
Ifn Cooling Ifn Cooling Ifn Cooling Ifn Cooling Ifn Cooling Ifn Ifn Cooling Ifn Ifn Cooling Ifn Ifn Ifn Cooling Ifn	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10	Labor \$146,955 \$397.18  10 hr/shift  Resource Qty/Unit  Support Crew	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2 2 3	\$267,833 \$723.87 day/week lb/mhr 5.258% \$3.00 \$59.48 \$56.77 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60	Ot () 50 iit Cost /mhr /mhr /mhr /hr /hr /hr /hr /hr /hr /hr /	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$133 2100 i  100.0 i 200.0 i 100.0 i 200.0 i 100.0 i	Oth  0  6  3  1  10  leantity  0,614  mhr  mhr  mhr  mhr  mhr  mhr  mhr  mh	Item C \$472,8: \$1,278. er OT pay hr/shift days days days \$6,30 \$5,94 \$11,3: \$5,6: \$15,44 \$7,72 \$20,11 \$3,93 \$8,11 \$55 \$7,44 \$2,56
Ifn Ial	.000	manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10  Labor FM General Labor (Grp 1)	Labor \$146,955 \$397.18  10 hr/shift  Resource Qty/Unit  Support Crew	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2 2 2 3	\$267,833 \$723.87 day/week lb/mhr 5.258% \$3.00 \$59.48 \$56.77 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60 \$59.48 \$56.77	Other (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Subcontract \$0 \$0.00 her ST pay hr/shift mhr/day  Resource Qu \$133 2100 i  100.0 i 200.0 i 100.0 i 200.0 i 100.0 i	Oth  0  6  3  1  10  leantity  0,614  mhr  mhr  mhr  mhr  mhr  mhr  mhr  mh	Item Cc \$472,88 \$1,278.* er OT pay hr/shift days days days days 86,30 \$5,94 \$11,33 \$5,67 \$20,18 \$3,93 \$8,10 \$5,94 \$34,06 \$5,94 \$34,06
Ip st:	.000	manhours 2,100 5.676 Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10  Labor FM General Labor (Grp 1) Ironworker FM	Labor \$146,955 \$397.18  10 hr/shift  Resource Qty/Unit  Support Crew	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2 2 3	\$267,833 \$723.87 day/week lb/mhr 5.258% \$3.00 \$59.48 \$56.77 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60 \$59.48 \$56.77 \$79.11	on () 50 sit Cost /mhr /mhr /mhr /hr /hr /hr /hr /hr /mhr /m	Subcontract \$0 \$0.00 her ST pay 0 hr/shift 0 mhr/day  Resource Qu \$139 2100 i  100.0 i 200.0 i 100.0 i	Oth  0  6 3 1 10  John Martity John Martin M	Item Cc \$472,8! \$1,278.* er OT pay hr/shift days days days days 86,30* \$5,94* \$11,33* \$5,61* \$15,44* \$7,72* \$20,11* \$3,91* \$3,91* \$5,94* \$7,41* \$2,56* \$5,94* \$34,06* \$7,9*
Ifn lal flactor lpi	.000 code class cl	manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10  Labor FM General Labor (Grp 1) Ironworker FM Ironworker JM	Labor \$146,955 \$397.18  10 hr/shift  Resource Qty/Unit  Support Crew	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2 2 2 3	\$267,833 \$723.87 day/week lb/mhr 5.258% \$3.00 \$59.48 \$56.77 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60 \$59.48 \$56.77 \$79.11 \$76.40	on () 50 sit Cost /mhr /mhr /mhr /hr /hr /hr /mhr /mhr /m	Subcontract \$0 \$0.00 her ST pay 0 hr/shift 0 mhr/day  Resource Qu \$139 2100 t  100.0 t 200.0 t 100.0 t	Oth  0  6 3 1 10  Jentity J,614 Thr	Item Cr \$472,88 \$1,278.7 er OT pay hr/shift days days days days Resource Cr \$7,34 \$6,30 \$5,94 \$11,35 \$5,67 \$15,44 \$7,72 \$20,18 \$3,93 \$8,16 \$5,94 \$2,58 \$5,94 \$34,06 \$7,92 \$30,56
If Cooling Street In Cooling Street In Cooling Street In Cooling I	.000 code class m b aag 45- 44+ cc40 114 co12 10 comp 6 m b m 14	manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 12.00cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10  Labor FM General Labor (Grp 1) Ironworker FM Ironworker JM Concrete, 4000psi mix	Labor \$146,955 \$397.18  10 hr/shift  Resource Qty/Unit  Support Crew	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2 2 2 3	\$267,833 \$723.87 day/week lb/mhr 5.258% \$3.00 \$59.48 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60 \$59.48 \$56.77 \$79.11 \$76.40 \$207	on () 50 sit Cost /mhr /mhr /mhr /mhr /hhr /hr /hr /hr /mhr /m	Subcontract \$0 \$0.00 her ST pay 0 hr/shift 0 mhr/day  Resource Qu \$139 2100 ii 100.0 ii 200.0 ii 100.0	Oth  0  6 3 1 10 Jentity 0,614 The manner of	Item Cor \$472,88 \$1,278.1 er OT pay hr/shift days days days Resource Cor \$7,34 \$6,30 \$5,94 \$11,35 \$5,67 \$15,44 \$7,72 \$20,18 \$3,93 \$8,16 \$5,56 \$7,49 \$2,58 \$34,06 \$7,91 \$30,56 \$76,55
IT Cooling strategy of the str	.000 code class m b aag 45- 44+ cc40 114 co12 10 comp 6 m b m 14	manhours 2,100 5.676  Status (Additive) Schedule factor (Normal) Install reinforcement Install jacking support beams Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10  Labor FM General Labor (Grp 1) Ironworker FM Ironworker JM	Labor \$146,955 \$397.18  10 hr/shift  Resource Qty/Unit  Support Crew	Equipment \$58,110 \$157.06 Work schedule 1 shift/day 44400 lb 370 cy	150 Factor 2 2 2 2 3	\$267,833 \$723.87 day/week lb/mhr 5.258% \$3.00 \$59.48 \$56.77 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60 \$59.48 \$56.77 \$79.11 \$76.40	on () 50 sit Cost /mhr /mhr /mhr /mhr /hhr /hr /hr /hr /hr /mhr /hr /mhr /hr /hr /hr /hr /mhr /hr /mhr /m	Subcontract \$0 \$0.00 her ST pay 0 hr/shift 0 mhr/day  Resource Qu \$139 2100 t  100.0 t 200.0 t 100.0 t	Oth  0  6 3 1 10  antity 0,614  mhr  mhr  mhr  mhr  mhr  mhr  mhr  mh	Item C \$472,8: \$1,278. er OT pay hr/shift days days days days 85,94 \$11,3: \$5,6: \$15,4: \$7,7: \$20,1: \$3,9: \$8,11 \$5: \$7,4: \$2,5: \$5,94 \$34,00 \$7,9 \$30,56



Mt (	Project Mt Comfort Road Dual Underpass Construction - 10% Estimate		Client Town of McCordsvill	e, IN		Job No. <b>6183.1</b>	Estimator RLR/BM	Rev 0	Computed on 2/20/2025 1:48 PM	
				DIRECT COST DETAI	L					
М	stl12	Steel shapes	57600 lb			\$2.14	/lb	57600 II	)	\$123,264
L	conc	Concrete equip.oper. (Grp 2)				\$74.91	/mhr	100.0 n	nhr	\$7,491
Ε	cb130	Conc. Pump, truck 130cy/hr				\$192	/hr	100.0 h	ır	\$19,193
E	vib2	Conc. vibrator, internal, 1.75"			2	\$17.48	/hr	200.0 h	ır	\$3,497
M	XC	Concrete consumables				\$10.70	/cy	370.0 c	y	\$3,959
No.		scription		Item Quantity/Unit	Prod	uction rate		fixed time		Total time
		mfort Boad Lot Grout Hoads	wall	149 CV	Plou	uction rate		dave		work

No.	Item De	scription		Item Quantity/Unit	Prod	luction rate	Other	fixed time		Total time
800	Mt Co	mfort Road - Jet Grout Head	wall	148 cy			6	days	6	work days
		manhours	Labor	Equipment		Material		Subcontract		Item Cost
		360	\$24,121	\$21,252		\$1,080		\$205,130		\$251,583
		2.432	\$162.98	\$143.60		\$7.30		\$1,386.01		\$1,699.89
		Status (Additive)		Work schedule				ner ST pay		ner OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	0	hr/shift	0	hr/shift
		Jet grout headwall at receiving	•	ox structure						
		Mobilize & setup jet grout ope				days				
		Jet grout	148 cy	200 cy/day		days				
		Demobilize				days				
		Total duration				days				
R/T		Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Un	it Cost	Resource Qu		Resource Cost
L	lp	Labor premium				5.258%	to the		,916	\$1,205
M	sts	Small tools and supplies				\$3.00	/mhr	360.0 n	nhr	\$1,080
	16	Labor EM	Support Crew			<b>050.40</b>	to the	00.00	. 1	<b>#0.500</b>
L	lfm	Labor FM			0	\$59.48		60.00 n		\$3,569
L	lab	General Labor (Grp 1)			2	\$56.77		120.0 n		\$6,812
L	flag	Flagman (Grp 1)				\$56.77		60.00 n		\$3,406
L	lo4+	Loader oper. >4cy (Grp 10)			0	\$77.24		60.00 n		\$4,634
E	hc40	Hydraulic Crane 40ton/105'			2	\$101		120.0 h		\$12,110
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30		60.00 h		\$2,358
E		Compressor, trailer 1200cfm				\$81.69		60.00 h		\$4,901
E	g10	Generator, trailer 10.0kW				\$5.57		60.00 h 60.00 n		\$334
L		Compressorman (Grp 5)	0004/		2	\$74.91				\$4,495
E S	lp6	Light Plant/Genset, 6kW, 4/10			3	\$8.60		180.0 h		\$1,548
5	muck	Muck disposal	74.00 lcy			\$45.00	/icy	74.00 le	СУ	\$3,330
0	iana	let Crouting Mah	Jet Grout Subcol	ritractor		¢450,000	// C	1.00 L	c	¢450.000
S	jgm	Jet Grouting Mob	1.00 LS			\$150,000				\$150,000
S	jg	Jet Grouting				\$350	/Cy	148.0 c	У	\$51,800

		scription	Descriving Dit	Item Quantity/Unit	Prod	uction rate	Other fixed time		Total time
009	IVIT CO	mfort Rd- Exc & Support NB manhours 7,120	Labor	1 LS Equipment \$296,847		Material <b>\$55,773</b>	48 days Subcont \$390,0	tract	work days Item Cost \$1,229,971
		Status (Additive)		Work schedule			Other ST pay	Oth	ner OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	0 hr/shift	0	hr/shift
		Soil nail & shotcrete installation	n - Two crews NB	& SB	2	crews			
		Excavation per level		1445 bcy	250	cy/day	6		
		Install soil nails per level		18 ea		ea/dy	5		
		Shotcrete per level		19 cy	2	cy/hr	1		
		Number of levels		4 ea					
		Total duration					48 days		
	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Un		ce Quantity	Resource Cost
	lp	Labor premium				5.258%		\$462,992	\$24,344
M	sts	Small tools and supplies				\$3.00	/mhr $7^{\circ}$	120 mhr	\$21,360
			Support Crew						
	lfm	Labor FM				\$59.48		0.0 mhr	\$28,548
	lab	General Labor (Grp 1)			2	\$56.77		0.0 mhr	\$54,499
	flag	Flagman (Grp 1)				\$56.77		0.0 mhr	\$27,249
	c45-	Crane oper. <45t (Grp 9)			2	\$77.24		0.0 mhr	\$74,149
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24		0.0 mhr	\$37,075
Ε	hc40	Hydraulic Crane 40ton/105'			2	\$101	/hr 96	0.0 hr	\$96,880
Ε	1914	Wheel Loader Cat 914/1.7cy				\$39.30	/hr 48	0.0 hr	\$18,864



	Comfor	t Road rpass Construction - 10% Es	Т	lient own of McCordsv	ille, IN	Job N <b>6183</b>		
			DI	RECT COST DETA	AIL			
Е	cp12	Compressor, trailer 1200cfm				\$81.69 /hr	480.0 hr	\$39,211
Е	g10	Generator, trailer 10.0kW				\$5.57 /hr	480.0 hr	\$2,676
L	•	Compressorman (Grp 5)				\$74.91 /mhr	480.0 mhr	\$35,957
Е	lp6	Light Plant/Genset, 6kW, 4/10			3	\$8.60 /hr	1440 hr	\$12,388
S	muck	Muck disposal	8667 lcy			\$45.00 /lcy	8667 lcy	\$390,015
	Ifm	Labor EM	Soil Nail Crew			¢E0 40 /mhr	400 0 mbr	¢00 E40
L L	lfm lab	Labor FM General Labor (Grp 1)	20.00 day	10.00 mhr/day	6	\$59.48 /mhr \$56.77 /mhr	480.0 mhr 1200 mhr	\$28,548 \$68,123
L	drill	Drill operator (Grp 6)	20.00 day	10.00 mhr/day	6 2	\$77.24 /mhr	400.0 mhr	\$30,895
E	at	Air track 12' feed	20.00 day	10.00 IIIII/uay	2	\$77.24 ////// \$35.63 /hr	960.0 hr	\$30,893
E	ml30	Man-Lift 30' articulated boom			2	\$17.87 /hr	960.0 hr	\$17,155
E	gp	Grout Plant, skid	20.00 day	10.00 hr/day	2	\$16.84 /hr	400.0 hr	\$6,734
M	sn	Soil nials	72.00 day	10.00 111/day		\$245 /ea	72.00 ea	\$17,640
M	CS	Cement - sack	72.00 ea			\$17.12 /ea	72.00 ea	\$1,233
	00	Comone Cack	Excavation Crew			ψ17.12 70α	72.00 00	Ψ1,200
L	lab	General Labor (Grp 1)	24.00 day	10.00 mhr/day	2	\$56.77 /mhr	480.0 mhr	\$27,249
L		Excavator >3.5cy (Grp 8)	24.00 day	10.00 mhr/day	#####	\$77.24 /mhr	480.0 mhr	\$37,075
Ē		SK330LC Exc 77.8/2.1cy	24.00 day	10.00 hr/day	2	\$138 /hr	480.0 hr	\$66,024
_			Shotcrete Crew	,	_	¥		****
L	lab	General Labor (Grp 1)	4.00 day	10.00 mhr/day	6	\$56.77 /mhr	240.0 mhr	\$13,625
Е	sp2	Shotcrete pot Aliva, 2cy/hr	4.00 day	10.00 hr/day	2	\$33.89 /hr	80.00 hr	\$2,711
М	•	Shotcrete	74.00 cy	,		\$210 /cv	74.00 cy	\$15,540
			·			•		
No.	Item De	•		Item Quantity/Unit	Proc	duction rate Oth	ner fixed time	Total time
010	Mt Co	mfort Road - Pour NB Mud M	lat Receiving Pit	185 cy			1 day 1	work day
								-
		manhours	Labor	Equipmen		Material	Subcontract	Item Cost
		160	\$10,646	\$5,461		\$39,460	\$0	Item Cost <b>\$55,567</b>
		<b>160</b> 0.865		<b>\$5,461</b> \$29.52		<b>\$39,460</b> \$213.29	<b>\$0</b> \$0.00	\$55,567 \$300.36
	1 000	160 0.865 Status (Additive)	<b>\$10,646</b> \$57.55	\$5,461 \$29.52 Work schedule	!	<b>\$39,460</b> \$213.29	<b>\$0</b> \$0.00 Other ST pay	\$55,567 \$300.36 ther OT pay
	1.000	160 0.865 Status (Additive) Schedule factor (Normal)	\$10,646	\$5,461 \$29.52 Work schedule 1 shift/day	5	\$39,460 \$213.29 day/week	<b>\$0</b> \$0.00 Other ST pay	\$55,567 \$300.36
	1.000	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete	<b>\$10,646</b> \$57.55	\$5,461 \$29.52 Work schedule	5	\$39,460 \$213.29 day/week days	<b>\$0</b> \$0.00 Other ST pay	\$55,567 \$300.36 ther OT pay
R/T	1.000	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration	\$10,646 \$57.55 10 hr/shift	\$5,461 \$29.52 Work schedule 1 shift/day	5	\$39,460 \$213.29 day/week	\$0.00 \$0.00 Other ST pay Of 0 hr/shift	Item Cost \$55,567 \$300.36 her OT pay hr/shift
R/T L	Code	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description	<b>\$10,646</b> \$57.55	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1	\$39,460 \$213.29 day/week days days	<b>\$0</b> \$0.00 Other ST pay	\$55,567 \$300.36 ther OT pay
		160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration	\$10,646 \$57.55 10 hr/shift	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1	\$39,460 \$213.29 day/week days days Resource Unit Cost	\$0.00 Other ST pay Or O hr/shift C	Item Cost \$55,567 \$300.36 her OT pay hr/shift
L	Code Ip	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium	\$10,646 \$57.55 10 hr/shift	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258%	\$0.00 Other ST pay Or O hr/shift C	Item Cost
L	Code Ip	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium	\$10,646 \$57.55 10 hr/shift Resource Qty/Unit	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258%	\$0.00 Other ST pay Or O hr/shift C	Item Cost
L M	Code Ip sts Ifm lab	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies	\$10,646 \$57.55 10 hr/shift Resource Qty/Unit	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr	\$0.00 Other ST pay Or Other ST	Item Cost
L M L	Code Ip sts	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies Labor FM	\$10,646 \$57.55 10 hr/shift Resource Qty/Unit	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr	\$0.00 Other ST pay Or Other ST	Item Cost
L M L L	Code Ip sts Ifm lab	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies Labor FM General Labor (Grp 1)	\$10,646 \$57.55 10 hr/shift Resource Qty/Unit	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$59.48 /mhr \$56.77 /mhr	\$0.00 Other ST pay Or Other ST	Item Cost
L M L L	Code Ip sts Ifm lab flag	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies Labor FM General Labor (Grp 1) Flagman (Grp 1)	\$10,646 \$57.55 10 hr/shift Resource Qty/Unit	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$59.48 /mhr \$56.77 /mhr \$56.77 /mhr	\$0.00 Other ST pay Or Other ST	Item Cost
L M L L L	Code Ip sts Ifm Iab flag c45- Io4+	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9)	\$10,646 \$57.55 10 hr/shift Resource Qty/Unit	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$59.48 /mhr \$56.77 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr	\$0.00 Other ST pay Or Other ST	Item Cost
L M L L L	Code Ip sts Ifm Iab flag c45- Io4+	160 0.865 Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10)	\$10,646 \$57.55 10 hr/shift Resource Qty/Unit	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$59.48 /mhr \$56.77 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr	\$0.00 Other ST pay Or Other ST	Item Cost   \$55,567   \$300.36
L M L L L E E	Code Ip sts Ifm lab flag c45-lo4+ hc40 l914	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm	\$10,646 \$57.55 10 hr/shift Resource Qty/Unit	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$59.48 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$81.69 /hr	\$0.00   Sther ST pay   Or     O hr/shift   Or     Resource Quantity     \$10,114     160.0 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     10	Item Cost   \$55,567   \$300.36
L L L L E E	Code Ip sts Ifm lab flag c45-lo4+ hc40 l914 cp12 g10	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW	\$10,646 \$57.55 10 hr/shift Resource Qty/Unit	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$56.77 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$81.69 /hr \$5.57 /hr	\$0.00   Sther ST pay   Or     O hr/shift   C     Resource Quantity     \$10,114     160.0 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     10.	Item Cost   \$55,567   \$300.36
L L L L E E E	Code Ip sts Ifm lab flag c45-lo4+ hc40 l914 cp12 g10 comp	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5)	\$10,646 \$57.55 10 hr/shift  Resource Qty/Unit  Support Crew	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor 2 ######	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$56.77 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$81.69 /hr \$5.57 /hr \$74.91 /mhr	\$0.00   Sther ST pay   Or     O hr/shift   C     Resource Quantity     \$10,114     160.0 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     10.00 mhr     10.00 hr     10.00 hr     10.00 mhr	Item Cost   \$55,567   \$300.36
L L L L E E	Code Ip sts Ifm lab flag c45-lo4+ hc40 l914 cp12 g10	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW	\$10,646 \$57.55 10 hr/shift  Resource Qty/Unit  Support Crew	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$56.77 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$81.69 /hr \$5.57 /hr	\$0.00   Sther ST pay   Or     O hr/shift   Or     Resource Quantity     \$10,114     160.0 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     10.00 mhr     10.00 mhr     10.00 hr     10	Item Cost   \$55,567   \$300.36
L L L L E E E E E	Code Ip sts Ifm lab flag c45-lo4+ hc40 I914 cp12 g10 comp lp6	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10	\$10,646 \$57.55 10 hr/shift  Resource Qty/Unit  Support Crew	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor 2 ######	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$56.77 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$81.69 /hr \$5.57 /hr \$74.91 /mhr \$8.60 /hr	\$0.00 Sther ST pay Or O hr/shift O hr O h	Item Cost   \$55,567   \$300.36   her OT pay   hr/shift   Resource Cost   \$532   \$480   \$595   \$1,135   \$568   \$1,545   \$772   \$2,018   \$393   \$817   \$56   \$749   \$258
	Code Ip sts Ifm lab flag c45-lo4+ hc40 l914 cp12 g10 comp lp6 Ifm	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10	\$10,646 \$57.55 10 hr/shift  Resource Qty/Unit  Support Crew	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	2 ###### 2	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$56.77 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$81.69 /hr \$5.57 /hr \$74.91 /mhr \$8.60 /hr	\$0.00   \$0.00     \$0.00	Item Cost   \$55,567   \$300.36
	Code Ip sts Ifm lab flag c45-lo4+ hc40 l914 cp12 g10 comp lp6 Ifm lab	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10 Labor FM General Labor (Grp 1)	\$10,646 \$57.55 10 hr/shift  Resource Qty/Unit  Support Crew	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	5 1 1 Factor 2 ######	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$56.77 /mhr \$56.77 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$1.69 /hr \$5.57 /hr \$74.91 /mhr \$8.60 /hr \$59.48 /mhr \$56.77 /mhr	\$0.00   Sther ST pay   Or     O hr/shift   Or     Resource Quantity     \$10,114     160.0 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     10.00 hr     10.00 hr     10.00 mhr     30.00 hr     10.00 mhr     30.00 mhr     10.00 mhr     30.00 mhr     10.00 mhr	Item Cost   \$55,567   \$300.36
L M L L L E E E E L L	Code Ip sts Ifm lab flag c45-lo4+ hc40 l914 cp12 g10 comp lp6 Ifm lab c3	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10 Labor FM General Labor (Grp 1) Concrete, 3000psi mix	\$10,646 \$57.55 10 hr/shift  Resource Qty/Unit  Support Crew	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	2 ###### 2	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$59.48 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$81.69 /hr \$5.57 /hr \$74.91 /mhr \$8.60 /hr \$59.48 /mhr \$56.77 /mhr \$200 /cy	\$0.00   Sther ST pay   Or     O hr/shift   Or     Resource Quantity     \$10,114     160.0 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     10.00 hr     10.00 hr     10.00 mhr     30.00 hr     10.00 mhr     30.00 mhr     10.00	Item Cost   \$55,567   \$300.36
	Code Ip sts Ifm lab flag c45-lo4+ hc40 l914 cp12 g10 comp lp6 Ifm lab c3 conc	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10 Labor FM General Labor (Grp 1) Concrete, 3000psi mix Concrete equip.oper. (Grp 2)	\$10,646 \$57.55 10 hr/shift  Resource Qty/Unit  Support Crew	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	2 ###### 2	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$59.48 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$81.69 /hr \$5.57 /hr \$74.91 /mhr \$56.77 /mhr \$56.77 /mhr \$200 /cy \$74.91 /mhr	\$0.00   Sther ST pay   Or     O hr/shift   Or     Resource Quantity     \$10,114     160.0 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 hr     10.00 hr     10.00 hr     10.00 mhr     30.00 hr     10.00 mhr     30.00 hr     10.00 mhr     10.00 m	Item Cost   \$55,567   \$300.36
L M L L L E E E E L L	Code Ip sts Ifm lab flag c45-lo4+ hc40 l914 cp12 g10 comp lp6 Ifm lab c3 conc	Status (Additive) Schedule factor (Normal) Pour concrete Total duration Resource Description Labor premium Small tools and supplies  Labor FM General Labor (Grp 1) Flagman (Grp 1) Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10) Hydraulic Crane 40ton/105' Wheel Loader Cat 914/1.7cy Compressor, trailer 1200cfm Generator, trailer 10.0kW Compressorman (Grp 5) Light Plant/Genset, 6kW, 4/10 Labor FM General Labor (Grp 1) Concrete, 3000psi mix	\$10,646 \$57.55 10 hr/shift  Resource Qty/Unit  Support Crew	\$5,461 \$29.52 Work schedule 1 shift/day 185 cy	2 ###### 2	\$39,460 \$213.29 day/week days days Resource Unit Cost 5.258% \$3.00 /mhr \$59.48 /mhr \$56.77 /mhr \$77.24 /mhr \$77.24 /mhr \$101 /hr \$39.30 /hr \$81.69 /hr \$5.57 /hr \$74.91 /mhr \$8.60 /hr \$59.48 /mhr \$56.77 /mhr \$200 /cy	\$0.00   Sther ST pay   Or     O hr/shift   Or     Resource Quantity     \$10,114     160.0 mhr     10.00 mhr     20.00 mhr     10.00 mhr     20.00 mhr     10.00 mhr     10.00 hr     10.00 hr     10.00 mhr     30.00 hr     10.00 mhr     30.00 mhr     10.00	Item Cost   \$55,567   \$300.36



Project
Mt Comfort Road
Dual Underpass Construction - 10% Estimate

Client Town of McCordsville, IN

Job No. Estimator **6183.1 RLR/BM** 

Rev Cor **0 2**/2

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No.	Item De	escription		Item Quantity/Unit	Prod	duction rate	Other fixed time		Total time
011	Mt Co	mfort Road - Cast NB Culver	t #1	561 cy			21 days	21	work days
		manhours	Labor	Equipment		Material	Subcontrac	t	Item Cost
		5,080	\$377,436	\$90,868		\$310,176	\$	)	\$778,480
		9.055	\$672.79	\$161.97		\$552.90	\$0.0	)	\$1,387.67
		Status (Additive)		Work schedule			Other ST pay	Otl	ner OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	0 hr/shift	0	hr/shift
		Set / strip slab forms	480 sf	16 sf/mhr	70	mhr/day	2 days		
		Set / strip wall forms	4200 sf	16 sf/mhr	70	mhr/day	4 days		
		Set / strip roof forms	2626 sf	8 sf/mhr	70	mhr/day	5 days		
		Install reinforcment	67320 lb	150 lb/mhr	80	mhr/day	6 days		
		Concrete pours	4 ea	1 ea/day			4 days		
		Total duration					21 days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Uni	it Cost Resource	Quantity	Resource Cost
L	lp	Labor premium				5.258%	\$3	58,582	\$18,854
M	sts	Small tools and supplies				\$3.00	/mhr 508	) mhr	\$15,240
			Support Crew						
L	lfm	Labor FM				\$59.48	/mhr 210.	) mhr	\$12,490
L	lab	General Labor (Grp 1)			2	\$56.77	/mhr 420.	) mhr	\$23,843
L	flag	Flagman (Grp 1)				\$56.77	/mhr 210.	) mhr	\$11,922
L	c45-	Crane oper. <45t (Grp 9)				\$77.24		) mhr	\$16,220
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24	/mhr 210.	) mhr	\$16,220
Е	hc40	Hydraulic Crane 40ton/105'				\$101	/hr 210.	) hr	\$21,193
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30	/hr 210.	) hr	\$8,253
E	cp12	Compressor, trailer 1200cfm				\$81.69	/hr 210.	) hr	\$17,155
E	g10	Generator, trailer 10.0kW				\$5.57	/hr 210.	) hr	\$1,171
L	comp	Compressorman (Grp 5)				\$74.91	/mhr 210.	) mhr	\$15,731
E	lp6	Light Plant/Genset, 6kW, 4/10			300%	\$8.60			\$5,420
E	p205	Pump, trash 205gpm/100ft he	ad			\$2.86		) hr	\$601
E	wtp	Water Treatment Plant				\$87.62	/hr 210.	) hr	\$18,399
			Structure Crew						
L	lfm	Labor FM				\$59.48		) mhr	\$12,490
L	lab	General Labor (Grp 1)				\$56.77		) mhr	\$11,922
L	cfm	Carpenter FM			100%			) mhr	\$15,605
L	cjm	Carpenter JM			600%			) mhr	\$90,217
L	ifm	Ironworker FM			100%			) mhr	\$16,613
L	ijm	Ironworker JM			700%			) mhr	\$112,314
L		Concrete equip.oper. (Grp 2)	4.00 day	10.00 mhr/day		\$74.91		) mhr	\$2,996
E		Conc. Pump, truck 130cy/hr	4.00 day	10.00 hr/day		\$192			\$7,677
E	vib	Concrete vibrators			600%	\$2.77			\$3,494
M		Lumber for lagging/forms	7306 sf	1.50 bf/sf		\$4.98			\$54,527
M	ply1	Plywood MDO 1"	7306 sf			\$2.86			\$20,873
M	ff	Form fasteners	7306 sf			\$0.43			\$3,127
M	foil	Form oil	7306 sf			\$0.16			\$1,173
M	cure	Curing compound	7306 sf			\$0.11			\$782
M	xf	Misc form supplies	7306 sf		_	\$0.43			\$3,127
E	ml30	Man-Lift 30' articulated boom			2				\$7,505
M	c5	Concrete, 5000psi mix				\$210			\$117,810
M	XC	Concrete consumables	.=			\$10.70			\$6,003
M	rp	Reinforcing steel, plain	67320 lb			\$1.10			\$74,052
M	xr	Reinforcing steel mat'l	67320 lb			\$0.20	/lb 6732	) lb	\$13,464



Project
Mt Comfort Road **Dual Underpass Construction - 10% Estimate** 

Client Town of McCordsville, IN

Job No. Estimator 6183.1 RLR/BM

Rev

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No.	Item De	scription mfort Road - Cast NB Culver	+ #2	Item Quantity/Unit	Prod	duction rate		er fixed time		Total time
012	. WIL CO	manhours	Labor	Equipment		Material		1 days Subcontract	21	Item Cost
		<b>5,080</b> 9.055	<b>\$377,436</b> \$672.79	<b>\$90,868</b> \$161.97		<b>\$310,176</b> \$552.90		<b>\$0</b> \$0.00		<b>\$778,480</b> \$1,387.67
		Status (Additive)	****	Work schedule		****	0	ther ST pay	Oth	ner OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week		0 hr/shift		hr/shift
		Set / strip slab forms	480 sf	16 sf/mhr		mhr/day		2 days		-
		Set / strip wall forms	4200 sf	16 sf/mhr		mhr/day		4 days		
		Set / strip roof forms	2626 sf	8 sf/mhr		mhr/day		5 days		
		Install reinforcment	67320 lb	150 lb/mhr		mhr/day		6 days		
		Concrete pours	4 ea	1 ea/day				4 days		
		Total duration		,				1 days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Un		Resource Qu	antitv	Resource Cos
L	lp	Labor premium				5.258%		\$358		\$18,854
M	sts	Small tools and supplies				\$3.00	/mhr	5080 r		\$15,240
	0.0	and supplies	Support Crew			40.00	,			Ψ.0,2.0
L	lfm	Labor FM				\$59.48	/mhr	210.0 r	nhr	\$12,490
L	lab	General Labor (Grp 1)			2	\$56.77		420.0 r		\$23,843
L	flag	Flagman (Grp 1)			_	\$56.77		210.0 r		\$11,922
L		Crane oper. <45t (Grp 9)				\$77.24		210.0 r		\$16,220
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24		210.0 r		\$16,220
E		Hydraulic Crane 40ton/105'				\$101		210.0 h		\$21,193
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30		210.0 h		\$8,253
E		Compressor, trailer 1200cfm				\$81.69		210.0 f		\$17,155
E	g10	Generator, trailer 10.0kW				\$5.57		210.0 f		\$1,171
L	•	Compressorman (Grp 5)				\$3.37 \$74.91		210.0 r		\$15,731
E		Light Plant/Genset, 6kW, 4/10	0000		300%	\$8.60		630.0 h		
E	lp6				300%	\$2.86		210.0 h		\$5,420 \$601
E		Pump, trash 205gpm/100ft he	au			\$87.62				
_	wtp	Water Treatment Plant	Ctravatura Cravu			φ01.02	/111	210.0 h	11	\$18,399
	Ifm	Labor FM	Structure Crew			\$59.48	/malar	210.0 **	h	¢40,400
L	lfm							210.0 r		\$12,490
L	lab	General Labor (Grp 1)			4	\$56.77		210.0 r		\$11,922
L	cfm	Carpenter FM			1	\$74.31		210.0 r		\$15,605
L	cjm	Carpenter JM			6	\$71.60		1260 r		\$90,217
L	ifm	Ironworker FM			1	\$79.11		210.0 r		\$16,613
L	ijm	Ironworker JM	4.00	40.00	7	\$76.40		1470 r		\$112,314
L		Concrete equip.oper. (Grp 2)	4.00 day	10.00 mhr/day		\$74.91		40.00 r		\$2,996
E		Conc. Pump, truck 130cy/hr	4.00 day	10.00 hr/day	0000/	\$192		40.00 h		\$7,677
E	vib .	Concrete vibrators		. =0	600%	\$2.77		1260 h		\$3,494
M		Lumber for lagging/forms	7306 sf	1.50 bf/sf		\$4.98		10959 k		\$54,527
M	ply1	Plywood MDO 1"	7306 sf			\$2.86		7306 s		\$20,873
M	ff	Form fasteners	7306 sf			\$0.43		7306 s		\$3,127
M	foil	Form oil	7306 sf			\$0.16		7306 s		\$1,173
M	cure	Curing compound	7306 sf			\$0.11		7306 s		\$782
M	xf	Misc form supplies	7306 sf			\$0.43		7306 s		\$3,127
Ε		Man-Lift 30' articulated boom			2	\$17.87		420.0 h		\$7,505
M	c5	Concrete, 5000psi mix				\$210		561.0 d		\$117,810
M	XC	Concrete consumables				\$10.70	•	561.0 d		\$6,003
M	rp	Reinforcing steel, plain	67320 lb			\$1.10		67320 I		\$74,052
М	xr	Reinforcing steel mat'l	67320 lb			\$0.20	/lb	67320 I	b	\$13,464
No.	Item De			Item Quantity/Unit	Prod	duction rate		er fixed time		Total time
013	Mt Co	mfort Road - Install Shield		1.00 LS			,	3 days	3	work days
		manhours	Labor	Equipment		Material		Subcontract		Item Cost

	No.	Item De	escription		Item Quantity/Unit	Production rate	Other fixed time	Total time
420     \$28,925     \$46,431     \$1,260     \$0     \$76,610       Status (Additive)     Work schedule     Other ST pay     Other OT pay       1.000     Schedule factor (Normal)     10 hr/shift     1 shift/day     5 day/week     0 hr/shift     0 hr/shift	013	Mt Co	mfort Road - Install Shield		1.00 LS		3 days	3 work days
Status (Additive) Work schedule Other ST pay Other OT pay  1.000 Schedule factor (Normal) 10 hr/shift 1 shift/day 5 day/week 0 hr/shift 0 hr/shift			manhours	Labor	Equipment	Material	Subcontract	Item Cost
1.000 Schedule factor (Normal)  10 hr/shift  1 shift/day  5 day/week  0 hr/shift  0 hr/shift			420	\$28,925	\$46,431	\$1,260	\$0	\$76,616
			Status (Additive)		Work schedule		Other ST pay	Other OT pay
Install shield & steering jacks 3 days		1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5 day/week	0 hr/shift	0 hr/shift
			Install shield & steering jacks		3 days			
R/T Code Resource Description Resource Qty/Unit Production rate Factor Resource Unit Cost Resource Quantity Resource Cost	R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor Resource U	nit Cost Resource C	Quantity Resource Cost



			L	ELVE UNDERGROUND				
	Comfor	t Road rpass Construction - 10% Es	timate	Client Town of McCordsville, IN	Job No <b>6183.1</b>		Rev 0	Computed on 2/20/2025 1:48 PM
				DIRECT COST DETAIL				
L	lp	Labor premium			5.258%	\$27	,480	\$1,445
M	sts	Small tools and supplies			\$3.00 /mhr	420.0 ı	mhr	\$1,260
			Support Crew					
L	lfm	Labor FM			\$59.48 /mhr	30.00 ı	mhr	\$1,784
L	lab	General Labor (Grp 1)		2	\$56.77 /mhr	1 00.00	mhr	\$3,406
L	flag	Flagman (Grp 1)			\$56.77 /mhr	30.00 ı	mhr	\$1,703
L	c45-	Crane oper. <45t (Grp 9)			\$77.24 /mhr	30.00 ı	mhr	\$2,317
L	lo4+	Loader oper. >4cy (Grp 10)			\$77.24 /mhr	30.00 ı	mhr	\$2,317
Е	hc40	Hydraulic Crane 40ton/105'			\$101 /hr	30.00 l	٦r	\$3,028
Е	1914	Wheel Loader Cat 914/1.7cy			\$39.30 /hr	30.00 l		\$1,179
Е	cp12	Compressor, trailer 1200cfm			\$81.69 /hr	30.00 I		\$2,451
Е	g10	Generator, trailer 10.0kW			\$5.57 /hr	30.00 I		\$167
L	comp	Compressorman (Grp 5)			\$74.91 /mhr	30.00 ı		\$2,247
Ε	lp6	Light Plant/Genset, 6kW, 4/10		300%	\$8.60 /hr	90.00 I		\$774
Е	p205	Pump, trash 205gpm/100ft he	ad		\$2.86 /hr	30.00 I		\$86
Ε	wtp	Water Treatment Plant			\$87.62 /hr	30.00 l	nr	\$2,628
			Shield / Jacking	Crew				
L	lfm	Labor FM			\$59.48 /mhr	30.00 ı		\$1,784
L	lab	General Labor (Grp 1)		3	\$56.77 /mhr	90.00		\$5,109
L	c100+	Crane oper. >100t (Grp 11)			\$77.24 /mhr	30.00 ı	mhr	\$2,317
L	mw	HD Mech/Welder (Grp 1)		2	\$74.91 /mhr	ا 00.00		\$4,495
Е	ml30	Man-Lift 30' articulated boom		2	\$17.87 /hr	60.00 l		\$1,072
Е	we4	Welder 400A, trailer E		2	\$28.46 /hr	60.00 I		\$1,707
Е	cssj	Cutting shield steering jacks			\$640 /hr	30.00 l		\$19,206
Е	cc100	Crawler Crane 100ton/200'			\$471 /hr	30.00 l	nr	\$14,132

No.	Item De	•	-	Item Quantity/Unit	Prod	luction rate	Other fixed time		Total time
014	Mt Co	mfort Road - Install Jacking	System	1 LS			3 days	3	work days
		manhours	Labor	Equipment		Material	Subcontra		Item Cost
		450	\$31,596	\$46,431		\$12,050		0	\$90,077
		Status (Additive)		Work schedule			Other ST pay		ner OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	0 hr/shift	0	hr/shift
		Assemble & setup jacking sys		3 days					
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Uni			Resource Cost
L	lp	Labor premium				5.258%	,	\$30,018	\$1,578
M	sts	Small tools and supplies				\$3.00	/mhr 450.	.0 mhr	\$1,350
	16		Support Crew			<b>#50.40</b>			04.704
L	lfm	Labor FM			0	\$59.48		0 mhr	\$1,784
L	lab	General Labor (Grp 1)			2	\$56.77		0 mhr	\$3,406
L	flag	Flagman (Grp 1)				\$56.77		0 mhr	\$1,703
L	c45-	Crane oper. <45t (Grp 9)				\$77.24		0 mhr	\$2,317
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24		0 mhr	\$2,317
E	hc40	Hydraulic Crane 40ton/105'				\$101		0 hr	\$3,028
Ε	1914	Wheel Loader Cat 914/1.7cy				\$39.30		0 hr	\$1,179
Ε	cp12	Compressor, trailer 1200cfm				\$81.69		00 hr	\$2,451
E	g10	Generator, trailer 10.0kW				\$5.57		0 hr	\$167
L		Compressorman (Grp 5)	0014/		0	\$74.91		0 mhr	\$2,247
Ε	lp6	Light Plant/Genset, 6kW, 4/10			3	\$8.60		00 hr	\$774
E	•	Pump, trash 205gpm/100ft he	ad			\$2.86		00 hr	\$86
Е	wtp	Water Treatment Plant		_		\$87.62	/nr 30.0	0 hr	\$2,628
	16		Jacking System (	Srew		<b>#50.40</b>			04.704
L	lfm	Labor FM			0	\$59.48		0 mhr	\$1,784
L	lab	General Labor (Grp 1)			3	\$56.77		0 mhr	\$5,109
L		Crane oper. >100t (Grp 11)			0	\$77.24		0 mhr	\$2,317
L	mw	HD Mech/Welder (Grp 1)			2	\$74.91		0 mhr	\$4,495
L	ejm	Electrician JM			0	\$84.59		0 mhr	\$2,538
E	ml30	Man-Lift 30' articulated boom			2	\$17.87		0 hr	\$1,072
E	we4	Welder 400A, trailer E			200%	\$28.46		0 hr	\$1,707
E	cssj	Cutting shield steering jacks				\$640		0 hr	\$19,206
Е	CC100	Crawler Crane 100ton/200'				\$471	/nr 30.0	0 hr	\$14,132



Project Client Job No. Estimator Rev Computed on Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM 0 2/20/2025

Dual Underpass Construction - 10% Estimate

#### **DIRECT COST DETAIL**

M	xmisc	Miscellaneous material	10.00 lot			\$1,070 /	lot	10.00 lot	\$10,70
No. <b>015</b>	Item De	scription mfort Road - Excavate NB C	ulvert #1	Item Quantity/Unit 50 ft	Prod	duction rate	Other fix		Total time  10 work days
		manhours <b>4,320</b> 86.400	\$350,307 \$7,006.13	Equipment <b>\$509,593</b> \$10,191.87		Material <b>\$23,660</b> \$473.20	\$	Subcontract \$146,610 2,932.20	Item Co <b>\$1,030,17</b> \$20,603.4
		Status (Additive)		Work schedule			Other	ST pay	Other OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	3 shift/day	7	day/week	0.5 hi	r/shift	0 hr/shift
		Excavate culvert	2172 cy	171 cy/day					
		Jack culvert	50 ft	5 ft/day	10	days			
R/T		Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Unit	Cost I	Resource Quant	
_	lp	Labor premium				18.221%		\$296,3	
M	sts	Small tools and supplies	Support Crew			\$3.00 /	mhr	4320 mh	r \$12,96
_	lfm	Labor FM	Support Crew			\$59.48 /	mhr	240.0 mh	r \$14,27
_	lab	General Labor (Grp 1)			2	\$56.77 /		480.0 mh	. ,
_	flag	Flagman (Grp 1)			2	\$56.77 /		240.0 mh	
L	_	Crane oper. <45t (Grp 9)				\$77.24		240.0 mh	. ,
-	lo4+	Loader oper. >4cy (Grp 10)				\$77.24 /		240.0 mh	
_	ejm	Electrician JM				\$84.59 /		240.0 mh	
E		Hydraulic Crane 40ton/105'				\$101 /		240.0 hr	\$20,30 \$24,22
E		Wheel Loader Cat 914/1.7cy				\$39.30 /		240.0 hr	\$9,43
E		Compressor, trailer 1200cfm				\$81.69 /		240.0 hr	\$19,60
E	g10	Generator, trailer 10.0kW				\$5.57 /		240.0 hr	\$1,33
	•	Compressorman (Grp 5)				\$74.91 /		240.0 mh	. ,
E	lp6	Light Plant/Genset, 6kW, 4/10	nnw/		300%	\$8.60 /		720.0 hr	\$6,19
E		Pump, trash 205gpm/100ft he			00070	\$2.86 /		240.0 hr	\$68
S		Muck disposal	3258 lcy			\$45.00 /		3258 lcy	\$146,61
_	muon	Much diopoddi	Excavation & Jac	king Crew		φ-10.00 //	ioy	0200 109	φ140,01
L	lfm	Labor FM				\$59.48 /	mhr	240.0 mh	r \$14,27
_	lab	General Labor (Grp 1)			3	\$56.77 /	mhr	720.0 mh	r \$40,87
_	ofm	Operating Engineer				\$77.24 /	mhr	240.0 mh	r \$18,53
_	eo3-	Excavator <3.5cy (Grp 5)			200%	\$77.24 /	mhr	480.0 mh	r \$37,07
_	lo4-	Loader oper. <4cy (Grp 5)				\$77.24 /	mhr	240.0 mh	r \$18,53
L	mw	HD Mech/Welder (Grp 1)				\$74.91 /	mhr	240.0 mh	r \$17,97
Ε	he320	320 Excavator 43.8k/1.5cy				\$190 /	hr	240.0 hr	\$45,57
Ε	1914	Wheel Loader Cat 914/1.7cy				\$39.30 /	hr	240.0 hr	\$9,43
Ξ	cssj	Cutting shield steering jacks				\$640 /	hr	240.0 hr	\$153,64
Ξ	tjack	Thrust jack & frame				\$439 /	hr	240.0 hr	\$105,37
M	xmisc	Miscellaneous material	10.00 lot			\$1,070 /	lot	10.00 lot	\$10,70
Ξ	wtp	Water Treatment Plant				\$87.62 /	hr	240.0 hr	\$21,02
L	c100+	Crane oper. >100t (Grp 11)				\$77.24 /	mhr	240.0 mh	r \$18,53
E	cc100	Crawler Crane 100ton/200'				\$471 /	hr	240.0 hr	\$113,05

No.	Item De	scription		Item Quantity/Unit	Pro	duction rate	Other	fixed time	-	Total time
016	Mt Co	mfort Road - Position NB Cu	lvert #2	1 LS			2	days	2	work days
		manhours	Labor	Equipment		Material		Subcontract		Item Cost
		720	\$51,031	\$90,917		\$7,510		\$0		\$149,458
		Status (Additive)		Work schedule			Oth	ner ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	3 shift/day	5	day/week	0.5	hr/shift	0	hr/shift
		Position & prepare culvert for	jacking	2 days						
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur	nit Cost	Resource Q	uantity	Resource Cost
L	lp	Labor premium				6.250%		\$4	8,029	\$3,002
M	sts	Small tools and supplies				\$3.00	/mhr	720.0	mhr	\$2,160
			Support Crew							
L	lfm	Labor FM				\$59.48	/mhr	48.00	mhr	\$2,855
L	lab	General Labor (Grp 1)			200%	\$56.77	/mhr	96.00	mhr	\$5,450
L	flag	Flagman (Grp 1)				\$56.77	/mhr	48.00	mhr	\$2,725
L	c45-	Crane oper. <45t (Grp 9)				\$77.24	/mhr	48.00	mhr	\$3,707



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Proj				Client		Job No.	Estimator	Rev	Computed on
	Comfor al Unde	t Road rpass Construction - 10% Es	timate	Town of McCordsville, IN		6183.1	RLR/BM	0	2/20/2025 1:48 PM
				DIRECT COST DETAIL					
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24 /mhr	48.00	mhr	\$3,707
L	ejm	Electrician JM				\$84.59 /mhr	48.00	mhr	\$4,060
Е	hc40	Hydraulic Crane 40ton/105'				\$101 /hr	48.00	hr	\$4,844
Е	1914	Wheel Loader Cat 914/1.7cy				\$39.30 /hr	48.00	hr	\$1,886
Ε	cp12	Compressor, trailer 1200cfm				\$81.69 /hr	48.00	hr	\$3,921
Е	g10	Generator, trailer 10.0kW				\$5.57 /hr	48.00	hr	\$268
L	comp	Compressorman (Grp 5)				\$74.91 /mhr	48.00	mhr	\$3,596
Е	lp6	Light Plant/Genset, 6kW, 4/10	W00W	3	3	\$8.60 /hr	144.0	hr	\$1,239
Е	p205	Pump, trash 205gpm/100ft he	ad			\$2.86 /hr	48.00	hr	\$137
Е	wtp	Water Treatment Plant				\$87.62 /hr	48.00	hr	\$4,206
			Culvert Crew						
L	lfm	Labor FM				\$59.48 /mhr	48.00	mhr	\$2,855
L	lab	General Labor (Grp 1)		3	3	\$56.77 /mhr	144.0	mhr	\$8,175
L	mw	HD Mech/Welder (Grp 1)		2	2	\$74.91 /mhr	96.00	mhr	\$7,191
Ε	cssj	Cutting shield steering jacks				\$640 /hr	48.00	hr	\$30,730
Ε	tjack	Thrust jack & frame				\$439 /hr	48.00	hr	\$21,075
M	xmisc	Miscellaneous material	5.00 lot			\$1,070 /lot	5.00	ot	\$5,350
L	c100+	Crane oper. >100t (Grp 11)				\$77.24 /mhr	48.00	mhr	\$3,707
Ε	cc100	Crawler Crane 100ton/200'				\$471 /hr	48.00	hr	\$22,611

No.	Item De	escription		Item Quantity/Unit	Prod	duction rate	Other fixed time	Total time
017	Mt Co	mfort Road - Excavate NB Cu	ulvert #2	50 ft			10 days	10 work days
		manhours	Labor	Equipment		Material	Subcontract	Item Cost
		4,320	\$350,307	\$509,593		\$23,660	\$146,610	\$1,030,170
		86.400	\$7,006.13	\$10,191.87		\$473.20	\$2,932.20	\$20,603.40
		Status (Additive)		Work schedule			Other ST pay	Other OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	3 shift/day	7	day/week	0.5 hr/shift	0 hr/shift
		Excavate culvert	2172 cy	171 cy/day				
		Jack culvert	50 ft	5 ft/day	10	days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Unit Co		
L	lp	Labor premium				18.221%		5,315 \$53,992
M	sts	Small tools and supplies				\$3.00 /ml	nr 4320	mhr \$12,960
			Support Crew					
L	lfm	Labor FM				\$59.48 /ml		
L	lab	General Labor (Grp 1)			200%	\$56.77 /ml		
L	flag	Flagman (Grp 1)				\$56.77 /ml		
L	c45-	Crane oper. <45t (Grp 9)				\$77.24 /ml		
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24 /ml		
L	ejm	Electrician JM				\$84.59 /ml		
E		Hydraulic Crane 40ton/105'				\$101 /hr	240.0	
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30 /hr	240.0	, , ,
E		Compressor, trailer 1200cfm				\$81.69 /hr	240.0	, .,
E	g10	Generator, trailer 10.0kW				\$5.57 /hr	240.0	
L		Compressorman (Grp 5)				\$74.91 /ml		* /
E	lp6	Light Plant/Genset, 6kW, 4/10			3	\$8.60 /hr	720.0	
E	•	Pump, trash 205gpm/100ft he				\$2.86 /hr	240.0	
S	muck	Muck disposal	3258 lcy			\$45.00 /lcy	3258	lcy \$146,610
			Excavation & Jac	king Crew				
L	lfm	Labor FM			_	\$59.48 /ml		, ,
L	lab	General Labor (Grp 1)			3	\$56.77 /ml		
L	ofm	Operating Engineer			_	\$77.24 /ml		+ -,
L	eo3-	Excavator <3.5cy (Grp 5)			2			' '
L	lo4-	Loader oper. <4cy (Grp 5)				\$77.24 /ml		
L	mw	HD Mech/Welder (Grp 1)				\$74.91 /ml		, ,
E		320 Excavator 43.8k/1.5cy				\$190 /hr	240.0	' '
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30 /hr	240.0	, , ,
E	cssj	Cutting shield steering jacks				\$640 /hr	240.0	. ,
E	•	Thrust jack & frame	40.00			\$439 /hr	240.0	. ,
M		Miscellaneous material	10.00 lot			\$1,070 /lot		' '
Е	wtp	Water Treatment Plant				\$87.62 /hr	240.0	hr \$21,028



Project Client Job No. Estimator Rev Computed on Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM 0 2/20/2025

Dual Underpass Construction - 10% Estimate 1:48 PM

L	c100+ Crane oper. >100t (Grp 11)	\$77.24 /mhr	240.0 mhr	\$18,537
Е	cc100 Crawler Crane 100ton/200'	\$471 /hr	240.0 hr	\$113,057

No.	Item De	scription		Item Quantity/Unit	Drod	uction rate	Other fixed time	Total time	—
		mfort Road - Remove Jacks	& Shield	1 LS	FIOU	uction rate	5 days	5 work days	
0.0	int oo	manhours	Labor	Equipment		Material	Subcontract	•	
		850	\$63,678	\$52,202		\$2,550	\$0		
		Status (Additive)	, , .	Work schedule		, ,	Other ST pay	Other OT pay	
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	0.5 hr/shift	0 hr/shift	
		Remove jacks & shields	5 days	, i		,			
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Uni	t Cost Resource Q	uantity Resource Co	ost
L	lp	Labor premium				10.258%	\$5	57,754 \$5,92	24
M	sts	Small tools and supplies				\$3.00 /	/mhr 850.0	mhr \$2,55	50
			Support Crew						
L	lfm	Labor FM				\$59.48 /		+ ,-	74
L	lab	General Labor (Grp 1)			2	\$56.77		+ - , -	
L	flag	Flagman (Grp 1)				\$56.77		, ,	
L	c45-	Crane oper. <45t (Grp 9)				\$77.24		, -,	
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24			
L	ejm	Electrician JM				\$84.59		, ,	
Е	hc40	Hydraulic Crane 40ton/105'				\$101 /		+ - 1 -	
Е	1914	Wheel Loader Cat 914/1.7cy				\$39.30		, ,	
Е	cp12	Compressor, trailer 1200cfm				\$81.69		, ,	
Е	g10	Generator, trailer 10.0kW				\$5.57		*	
L	comp	Compressorman (Grp 5)				\$74.91		+ - 1	
Е	lp6	Light Plant/Genset, 6kW, 4/10			3	\$8.60			
E	p205	Pump, trash 205gpm/100ft he	ad			\$2.86		*	
E	wtp	Water Treatment Plant				\$87.62	/hr 50.00	hr \$4,38	81
			Removal Crew						
L	lfm	Labor FM				\$59.48		* /-	
L	lab	General Labor (Grp 1)			3	\$56.77		+ - , -	
L	mw	HD Mech/Welder (Grp 1)			2	\$74.91		, , .	
L		Crane oper. >100t (Grp 11)				\$77.24		. ,	
L	eo3-	Excavator <3.5cy (Grp 5)				\$77.24			
L	lo4-	Loader oper. <4cy (Grp 5)				\$77.24		, -,	
E	he320	320 Excavator 43.8k/1.5cy				\$190 /		, , ,	
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30		, ,	
E	cc100	Crawler Crane 100ton/200'				\$471 /	/hr 50.00	hr \$23,55	54

No.	Item De	escription		Item Quantity/Unit	Produ	uction rate	Other fixed time		Total time
019	Mt Co	mfort Road - Excavate & Sup	port NB Wall 2	1 LS			70 days	70	work days
		manhours 8,288		Equipment <b>\$345,254</b>		Material <b>\$99,809</b>	Subcontract \$763,223		Item Cost \$1,746,346
		Status (Additive)		Work schedule			Other ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5 (	day/week	0 hr/shift	0	hr/shift
		Soil nail & shotcrete installation	n - Two crews NE	3 & SB	2 (	crews			
		Excavation per level		3769 bcy	500 d	cy/day	8 days		
		Install soil nails per level		68 ea	4 6	ea/dy	9 days	2	crews
		Shotcrete per level		34 cy	2 (	cy/hr	3 days		
		Number of levels		3 ea					
		Total duration					60 days		
		Additional Time to Break into	Pit				10 days		
		Total Duration					70 days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Uni	t Cost Resource Q	uantity	Resource Cost
M	sts	Small tools and supplies				\$3.00 /	mhr 8288	mhr	\$24,864
			Support Crew						
L	lfm	Labor FM				\$59.48	mhr 560.0	mhr	\$33,307
L	lab	General Labor (Grp 1)			2	\$56.77	mhr 1120	mhr	\$63,582
L	flag	Flagman (Grp 1)				\$56.77	mhr 560.0	mhr	\$31,791
L	c45-	Crane oper. <45t (Grp 9)			2	\$77.24	mhr 1120	mhr	\$86,507



Town of McCordsville, IN

Job No. Estimator

6183.1 RLR/BM

Computed on

2/20/2025

1:48 PM

Rev

0

Client

Project

Mt Comfort Road

**Dual Underpass Construction - 10% Estimate** 

			D	IRECT COST DETA	AIL				
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24	/mhr	560.0 mhi	\$43,254
Ε	hc40	Hydraulic Crane 40ton/105'			2	\$101	/hr	1120 hr	\$113,027
Ε	1914	Wheel Loader Cat 914/1.7cy				\$39.30	/hr	560.0 hr	\$22,008
Ε	cp12	Compressor, trailer 1200cfm				\$81.69	/hr	560.0 hr	\$45,746
Ε	g10	Generator, trailer 10.0kW				\$5.57	/hr	560.0 hr	\$3,122
L	comp	Compressorman (Grp 5)				\$74.91	/mhr	560.0 mhi	\$41,950
E	lp6	Light Plant/Genset, 6kW, 4/10	W000		3	\$8.60	/hr	1680 hr	\$14,453
S	muck	Muck disposal	16961 lcy			\$45.00	/lcy	16961 lcy	\$763,223
			Soil Nail Crew						
L	lfm	Labor FM				\$59.48	/mhr	560.0 mhi	\$33,307
L	lab	General Labor (Grp 1)	27.00 day	8.00 mhr/day	6	\$56.77	/mhr	1296 mhi	\$73,573
L	drill	Drill operator (Grp 6)	27.00 day	8.00 mhr/day	2	\$77.24	/mhr	432.0 mhi	\$33,367
E	at	Air track 12' feed			2	\$35.63	/hr	1120 hr	\$39,904
E	ml30	Man-Lift 30' articulated boom			2	\$17.87	/hr	1120 hr	\$20,014
E	gp	Grout Plant, skid	27.00 day	8.00 hr/day	2	\$16.84	/hr	432.0 hr	\$7,273
M	sn	Soil nials	205.0 ea			\$245	/ea	205.0 ea	\$50,225
M	CS	Cement - sack	205.0 ea			\$17.12	/ea	205.0 ea	\$3,510
			Excavation Crew						
L	lab	General Labor (Grp 1)	34.00 day	8.00 mhr/day	200%	\$56.77	/mhr	544.0 mhi	\$30,883
L	eo3+	Excavator >3.5cy (Grp 8)	34.00 day	8.00 mhr/day	#####	\$77.24	/mhr	544.0 mhi	\$42,018
E	he330	SK330LC Exc 77.8/2.1cy	34.00 day	8.00 hr/day	2	\$138	/hr	544.0 hr	\$74,827
			Shotcrete Crew						
L	lab	General Labor (Grp 1)	9.00 day	8.00 mhr/day	6	\$56.77	/mhr	432.0 mhi	\$24,524
E	sp2	Shotcrete pot Aliva, 2cy/hr	9.00 day	8.00 hr/day	2	\$33.89	/hr	144.0 hr	\$4,881
M	shcrt	Shotcrete	101.0 cy			\$210	/cy	101.0 cy	\$21,210
No.		scription		Item Quantity/Unit	Prod	luction rate		er fixed time	Total time
020	Mt Co	mfort Road - Excavate & Sup		1.00 LS			4		43 work days
		manhours	Labor	Equipment		Material		Subcontract	Item Cost
		= 0.40	000=040			0-404-		40=0.0=0	00== 0=0
		5,048	\$327,916	\$214,366		\$54,217		\$378,878	\$975,376
	1 000	Status (Additive)		\$214,366 Work schedule				Other ST pay	Other OT pay
	1.000	Status (Additive) Schedule factor (Normal)	8 hr/shift	\$214,366 Work schedule 1 shift/day	5	day/week			
	1.000	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation	8 hr/shift	\$214,366 Work schedule 1 shift/day & SB	5 2	day/week		Other ST pay O hr/shift	Other OT pay
	1.000	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installatio Excavation per level	8 hr/shift	\$214,366 Work schedule 1 shift/day & SB 1871 bcy	5 2 500	day/week crews cy/day		Other ST pay O hr/shift 4 days	Other OT pay  O hr/shift
	1.000	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level	8 hr/shift	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea	5 2 500 4	day/week crews cy/day ea/dy		Other ST pay O hr/shift  4 days 5 days	Other OT pay
	1.000	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installatio Excavation per level Install soil nails per level Shotcrete per level	8 hr/shift	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy	5 2 500 4	day/week crews cy/day		Other ST pay O hr/shift 4 days	Other OT pay  O hr/shift
	1.000	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installatio Excavation per level Install soil nails per level Shotcrete per level Number of levels	8 hr/shift	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea	5 2 500 4	day/week crews cy/day ea/dy		other ST pay o hr/shift  4 days 5 days 2 days	Other OT pay  O hr/shift
	1.000	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installatio Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy	5 2 500 4	day/week crews cy/day ea/dy	3	0 hr/shift 4 days 5 days 2 days 3 days	Other OT pay  O hr/shift
	1.000	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into 1	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy	5 2 500 4	day/week crews cy/day ea/dy	3	other ST pay O hr/shift  4 days 5 days 2 days 3 days 0 days	Other OT pay  O hr/shift
R/T		Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Intotal Duration	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2	day/week crews cy/day ea/dy cy/hr	3 1 4	other ST pay O hr/shift  4 days 5 days 2 days 3 days 0 days 3 days 3 days	Other OT pay 0 hr/shift 2 crews
R/T M	Code	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy	5 2 500 4	day/week crews cy/day ea/dy cy/hr	3 1 4 nit Cost	other ST pay O hr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti	Other OT pay 0 hr/shift 2 crews
R/T M		Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Intotal Duration	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2	day/week crews cy/day ea/dy cy/hr	3 1 4 nit Cost	other ST pay O hr/shift  4 days 5 days 2 days 3 days 0 days 3 days 3 days	Other OT pay 0 hr/shift 2 crews
M	Code sts	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00	3 1 4 hit Cost /mhr	other ST pay o hr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti	Other OT pay 0 hr/shift 2 crews  ty Resource Cost \$15,144
M L	Code sts	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00	3 1 4 hit Cost /mhr /mhr	other ST pay o hr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhi	Other OT pay 0 hr/shift 2 crews  ty Resource Cost \$15,144 \$20,460
M L L	Code sts	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77	3 1 4 hit Cost /mhr /mhr /mhr	other ST pay o hr/shift  4 days 5 days 2 days 3 days 0 days Resource Quanti 5048 mhi 688.0 mhi	Other OT pay
M L L	Code sts Ifm lab flag	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77	3 1 4 hit Cost /mhr /mhr /mhr	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days Resource Quanti 5048 mhr 344.0 mhr 344.0 mhr 344.0 mhr	Other OT pay
M L L L	Code sts Ifm lab flag c45-	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$56.77 \$77.24	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr	other ST pay ohr/shift days days days days days days days days	Other OT pay 0 hr/shift  2 crews  ty Resource Cost \$15,144  \$20,460 \$39,057 \$19,529 \$53,140
M L L L	Code sts Ifm lab flag c45- lo4+	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr Resource Ur \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$77.24	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /mhr	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 mhr 344.0 mhr	Other OT pay 0 hr/shift  2 crews  ty Resource Cost \$15,144  \$20,460 \$39,057 \$19,529 \$53,140 \$26,570
M L L L L	Code sts Ifm lab flag c45- lo4+ hc40	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$77.24 \$101	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /mhr /mhr	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 mhr	Other OT pay 0 hr/shift  2 crews  ty Resource Cost \$15,144  \$20,460 \$39,057 \$19,529 \$53,140 \$26,570 \$69,431
M L L L E	Code sts Ifm lab flag c45- lo4+ hc40 l914	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$77.24 \$101 \$39.30	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /mhr /hr	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 hr	Other OT pay 0 hr/shift  2 crews  ty Resource Cost \$15,144  \$20,460 \$39,057 \$19,529 \$53,140 \$26,570 \$69,431 \$13,519
M L L L E E	Code sts Ifm lab flag c45- lo4+ hc40 l914 cp12	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /mhr /mhr /hr /hr	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 hr 344.0 hr	Other OT pay 0 hr/shift  2 crews  ty Resource Cost \$15,144  \$20,460 \$39,057 \$19,529 \$53,140 \$26,570 \$69,431 \$13,519 \$28,101
M L L L E E	Code sts Ifm lab flag c45- lo4+ hc40 l914 cp12 g10	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69 \$5.57	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /mhr /hr /hr /hr	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr	Other OT pay
M L L L E E E L	Code sts Ifm lab flag c45- lo4+ hc40 l914 cp12 g10 comp	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB Pit Resource Qty/Unit Support Crew	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /hhr /hr /hr /hr /mhr	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr	Other OT pay 0 hr/shift  2 crews  ty Resource Cost \$15,144  \$20,460 \$39,057 \$19,529 \$53,140 \$26,570 \$69,431 \$13,519 \$28,101 \$1,918
M L L L E E E E E	Code sts Ifm lab flag c45- lo4+ hc40 l914 cp12 g10 comp lp6	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB Pit Resource Qty/Unit Support Crew	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /hr /hr /hr /hr /hr /hr /hr	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr	Other OT pay
M L L L E E E L	Code sts Ifm lab flag c45- lo4+ hc40 l914 cp12 g10 comp lp6	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB Pit Resource Qty/Unit Support Crew	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /hr /hr /hr /hr /hr /hr /hr	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr	Other OT pay 0 hr/shift  2 crews  ty Resource Cost \$15,144  \$20,460 \$39,057 \$19,529 \$53,140 \$26,570 \$69,431 \$13,519 \$28,101 \$1,918
M L L L L E E E E E L E S	Code sts Ifm lab flag c45- lo4+ hc40 l914 cp12 g10 comp lp6	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB Pit Resource Qty/Unit Support Crew	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /hr /hr /hr /hr /hr /hr /hr /hr /hr /	other ST pay ohr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr 344.0 hr	Other OT pay 0 hr/shift  2 crews  ty Resource Cost \$15,144  \$20,460 \$39,057 \$19,529 \$53,140 \$26,570 \$69,431 \$13,519 \$28,101 \$1,918 \$25,769 \$8,878 \$378,878
M L L L E E E E E	Code sts Ifm lab flag c45- lo4+ hc40 l914 cp12 g10 comp lp6 muck	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB Pit Resource Qty/Unit Support Crew	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60 \$45.00	3 1 4 hit Cost /mhr /mhr /mhr /mhr /mhr /hr /hr /hr /hr /hr /hr /hr /hr /hr /	0 hr/shift  4 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 hr	Other OT pay 0 hr/shift  2 crews  ty Resource Cost \$15,144  \$20,460 \$39,057 \$19,529 \$53,140 \$26,570 \$69,431 \$13,519 \$28,101 \$1,918 \$25,769 \$8,878 \$378,878
M LLLLEEELES L	Code sts Ifm lab flag c45- lo4+ hc40 l914 cp12 g10 comp lp6 muck	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB Pit Resource Qty/Unit Support Crew  000W 8420 lcy Soil Nail Crew 15.00 day	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea  Production rate	5 2 500 4 2 Factor	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60 \$45.00	3 1 4 hit Cost /mhr /mhr /mhr /mhr /hhr /hr /hr /hr /hr /hr /hr /hr /hr	0 hr/shift  4 days 5 days 5 days 2 days 3 days 0 days 3 days Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 mhr 1032 hr 8420 lcy	Other OT pay
M LLLLEEELES LL	Code sts Ifm lab flag c45- lo4+ hc40 l914 cp12 g10 comp lp6 muck Ifm lab	Status (Additive) Schedule factor (Normal) Soil nail & shotcrete installation Excavation per level Install soil nails per level Shotcrete per level Number of levels Total duration Additional Time to Break into Into Into Into Into Into Into Into I	8 hr/shift on - Two crews NB Pit Resource Qty/Unit Support Crew  000W 8420 lcy Soil Nail Crew	\$214,366 Work schedule 1 shift/day & SB 1871 bcy 35 ea 18 cy 3 ea  Production rate	5 2 5000 4 2 Factor 2 2 2 300%	day/week crews cy/day ea/dy cy/hr  Resource Ur \$3.00 \$59.48 \$56.77 \$77.24 \$77.24 \$101 \$39.30 \$81.69 \$5.57 \$74.91 \$8.60 \$45.00 \$59.48 \$56.77	3 1 4 mit Cost /mhr /mhr /mhr /mhr /mhr /hr /hr /hr /hr /hr /mhr /hr /hr /mhr /m	0 hr/shift  4 days 5 days 5 days 2 days 3 days 8 Resource Quanti 5048 mhr 344.0 mhr 688.0 mhr 344.0 mhr 688.0 hr 344.0 mhr 1032 hr 8420 lcy 344.0 mhr 720.0 mhr	Other OT pay



	Comfor	t Road rpass Construction - 10% Es		Client Town of McCordsvi	lle, IN		Job No. <b>6183.1</b>	Estimator RLR/BM	Rev 0	Computed on 2/20/2025 1:48 PM
				DIRECT COST DETA	dL.					
Е	ml30	Man-Lift 30' articulated boom			2	\$17.87 /	hr hr	688.0 I	hr	\$12,294
Е	gp	Grout Plant, skid	15.00 day	8.00 hr/day	2	\$16.84 /	hr/	240.0	hr	\$4,041
M	sn	Soil nials	105.0 ea			\$245 /	'ea	105.0	ea	\$25,725
M	cs	Cement - sack	105.0 ea			\$17.12 /	'ea	105.0	ea	\$1,798
			Excavation Crew							
L		General Labor (Grp 1)	22.00 day	8.00 mhr/day	200%	\$56.77 /		352.0 ו		\$19,983
L		Excavator >3.5cy (Grp 8)	22.00 day	8.00 mhr/day	200%	\$77.24 /		352.0 1		\$27,188
Е	he330	SK330LC Exc 77.8/2.1cy	22.00 day	8.00 hr/day	2	\$138 /	hr	352.0	hr	\$48,417
	la la	Canadal aban (Con 1)	Shotcrete Crew	0.00	0	фго <b>7</b> 7	/ l	200.0		¢40.050
L E		General Labor (Grp 1)	6.00 day 6.00 day	8.00 mhr/day 8.00 hr/day	6 2	\$56.77 / \$33.89 /		288.0 i 96.00 l		\$16,350
⊏ M		Shotcrete pot Aliva, 2cy/hr Shotcrete	55.00 day	6.00 III/day	2	\$33.69 / \$210 /		55.00		\$3,254 \$11,550
IVI	SHULL	Shorrere	55.00 Cy			φ210 /	Су	55.00 (	Су	φ11,550
No.	Item De	•		Item Quantity/Unit	Proc	duction rate	Other	fixed time		otal time
021	Mt Co	mfort Road - Final Wall Facin	-	1 LS			24	days	24 \	work days
		manhours <b>4,992</b>	Labor <b>\$352,315</b>	Equipment \$96,088		Material <b>\$293,665</b>		Subcontract <b>\$0</b>		Item Cost \$742,068
		Status (Additive)		Work schedule		, ,	Oth	er ST pay		er OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0	hr/shift	0 1	nr/shift
		Final wall facing		4=0 !! 4 !						
		Install reinforcement	20880 lb	150 lb/mhr		mhr/day	3			
		Set / strip wall forms	11250 sf	16 sf/mhr	72	mhr/day	10 6			
		Concrete pours Place aggregate base	6 ea 1350 ton	1 ea/day			2			
		Slope stability	1330 1011				3			
		Total duration					24			
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Uni		Resource Qu	ıantity	Resource Cost
M		Small tools and supplies	r toosar oo Qtyr orm	. roudellerrate		\$3.00 /		4992 1		\$14,976
			Support Crew							
L	lfm	Labor FM				\$59.48 /	mhr 'mhr	192.0 ו	mhr	\$11,419
L	lab	General Labor (Grp 1)			2	\$56.77 /	mhr (	384.0 ו	mhr	\$21,799
L	flag	Flagman (Grp 1)				\$56.77 /	mhr (	192.0 ו	mhr	\$10,900
L		Crane oper. <45t (Grp 9)				\$77.24 /		192.0 ו		\$14,830
L		Loader oper. >4cy (Grp 10)				\$77.24 /		192.0 ו		\$14,830
E		Hydraulic Crane 40ton/105'				\$101 /		192.0		\$19,376
E		Wheel Loader Cat 914/1.7cy				\$39.30 /		192.0		\$7,546
E		Compressor, trailer 1200cfm				\$81.69 /		192.0		\$15,684
E	0	Generator, trailer 10.0kW				\$5.57		192.0		\$1,070
L		Compressorman (Grp 5)	10014/		300%	\$74.91 / \$8.60 /		192.0   576.0		\$14,383
E E		Light Plant/Genset, 6kW, 4/10 Pump, trash 205gpm/100ft he			300%	\$0.00 / \$2.86 /		192.0		\$4,955 \$550
_	p200	Tump, trasif 200gpm/ foot he	Structure Crew			Ψ2.00 /	111	192.0	111	Ψ550
L	lfm	Labor FM	Chactare Crew			\$59.48 /	mhr 'mhr	192.0 ו	mhr	\$11,419
L		General Labor (Grp 1)				\$56.77		192.0 1		\$10,900
– L	cfm	Carpenter FM			1	\$74.31 /		192.0 1		\$14,267
L	cjm	Carpenter JM			8	\$71.60 /		1536		\$109,978
L	ifm	Ironworker FM			1	\$79.11 /		192.0		\$15,189
L	ijm	Ironworker JM			6	\$76.40 /		1152 ו		\$88,017
L	•	Concrete equip.oper. (Grp 2)				\$74.91 /		192.0 ו		\$14,383
E	cb130	Conc. Pump, truck 130cy/hr				\$192 /	hr/	192.0	hr	\$36,850
E	vib	Concrete vibrators			600%	\$2.77 /	hr hr	1152	hr	\$3,194
M		Lumber for lagging/forms	11250 sf	1.50 bf/sf		\$4.98 /		16875 I		\$83,962
M		Plywood MDO 1"	11250 sf			\$2.86 /		11250		\$32,140
M	ff	Form fasteners	11250 sf			\$0.43 /		11250		\$4,815
M	foil	Form oil	11250 sf			\$0.16 /		11250		\$1,806
M		Curing compound	11250 sf			\$0.11 /		11250		\$1,204
M		Misc form supplies	11250 sf			\$0.43 /		11250		\$4,815
M	•	Reinforcing steel, plain	20880 lb			\$1.10 /		20880		\$22,968
E		Man-Lift 30' articulated boom	040.0		2	\$17.87 /		384.0		\$6,862
M	c5	Concrete, 5000psi mix	348.0 cy			\$210 /	су	348.0	су	\$73,080



Project Client Job No. Estimator Rev Computed on Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM 0 2/20/2025 Dual Underpass Construction - 10% Estimate DIRECT COST DETAIL

M	aggc	Coarse aggregate	1350 ton	\$32.00 /ton	1350 ton	\$43,200
			Slope Stability Material			
М	xmisc	Miscellaneous material	10.00 lot	\$1,070 /lot	10.00 lot	\$10,700

No.	Item De	scription		Item Quantity/Unit	Prod	duction rate	Other	fixed time		Total time
022	Mt Co	mfort Road - Final Wall Facir	ng NB Wall 1	1 LS			20	days	20	work days
		manhours	Labor	Equipment		Material		Subcontract		Item Cost
		4,160	\$293,596	\$80,073		\$222,863		\$0		\$596,533
		Status (Additive)		Work schedule			Oth	ner ST pay		ner OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0	hr/shift	0	hr/shift
		Final wall facing								
		Install reinforcement	15360 lb	150 lb/mhr		mhr/day	2			
		Set / strip wall forms	7500 sf	16 sf/mhr	72	mhr/day	7			
		Concrete pours	6 ea	1 ea/day			6			
		Place aggregate base	1350 ton				2			
		Slope stability					3			
		Total duration					20			
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Un		Resource Q		Resource Cost
M	sts	Small tools and supplies	Our man and Our and			\$3.00	/mnr	4160	mnr	\$12,480
	16	Labar EM	Support Crew			<b>#50.40</b>	/I	400.0		00.540
L	lfm	Labor FM			0	\$59.48		160.0		\$9,516
L	lab	General Labor (Grp 1)			2	\$56.77		320.0		\$18,166
L	flag	Flagman (Grp 1)				\$56.77		160.0		\$9,083
L	c45-	Crane oper. <45t (Grp 9)				\$77.24		160.0		\$12,358
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24		160.0		\$12,358 \$16,147
E	hc40	Hydraulic Crane 40ton/105'				\$101		160.0		
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30		160.0		\$6,288
E		Compressor, trailer 1200cfm				\$81.69		160.0		\$13,070
E	g10	Generator, trailer 10.0kW				\$5.57		160.0		\$892
L		Compressorman (Grp 5)	000147		2000/	\$74.91		160.0		\$11,986
E E	lp6	Light Plant/Genset, 6kW, 4/10 Pump, trash 205gpm/100ft he			300%	\$8.60 \$2.86		480.0		\$4,129 \$458
_	p203	rump, trasti zoogpin/ roott ne	Structure Crew			φ2.00	/111	160.0	111	φ430
L	lfm	Labor FM	Structure Crew			\$59.48	/mhr	160.0	mhr	\$9,516
L	lab	General Labor (Grp 1)				\$56.77		160.0		\$9,083
L	cfm	Carpenter FM			1	\$74.31		160.0		\$11,889
L	cim	Carpenter JM			8	\$74.51		1280		\$91,649
L	ifm	Ironworker FM			1	\$79.11		160.0		\$12,658
L	ijm	Ironworker JM			6	\$76.40		960.0		\$73,348
L	•	Concrete equip.oper. (Grp 2)			U	\$74.91		160.0		\$11,986
Ē		Conc. Pump, truck 130cy/hr				\$192		160.0		\$30,709
E	vib	Concrete vibrators			600%	\$2.77		960.0		\$2,662
M		Lumber for lagging/forms	7500 sf	1.50 bf/sf	00070	\$4.98		11250		\$55,974
M	ply1	Plywood MDO 1"	7500 sf	1.00 01/31		\$2.86		7500		\$21,427
M	ff	Form fasteners	7500 sf			\$0.43		7500		\$3,210
M	foil	Form oil	7500 sf			\$0.45		7500		\$1,204
M	cure	Curing compound	7500 sf			\$0.10		7500		\$803
M	xf	Misc form supplies	7500 sf			\$0.43		7500		\$3,210
M	rp	Reinforcing steel, plain	15360 lb			\$1.10		15360		\$16,896
E		Man-Lift 30' articulated boom	.0000 16		2	\$17.87		320.0		\$5,718
M	c5	Concrete, 5000psi mix	256.0 cy		_	\$210		256.0		\$53,760
M		Coarse aggregate	1350 ton			\$32.00	•	1350	-	\$43,200
	335		Slope Stability Mat	terial		÷02.00				+ .5,250
М	xmisc	Miscellaneous material	10.00 lot			\$1,070	/lot	10.00	lot	\$10,700
						÷.,0.0				÷ . 5, . 50



Project Mt Comfort Road **Dual Underpass Construction - 10% Estimate**  Client Town of McCordsville, IN

Job No. Estimator 6183.1 RLR/BM

Rev

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No.	Item De			Item Quantity/Unit	Pro	duction rate		er fixed time		Total time
023	Mt Co	mfort Road - Exc & Support	_	1 LS			4	8 days	48	work days
		manhours 7,120	Labor <b>\$487,336</b>	Equipment <b>\$296,847</b>		Material <b>\$55,773</b>		\$390,015		Item Cost \$1,229,971
		Status (Additive)		Work schedule			0	ther ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	(	0 hr/shift	0	hr/shift
		Soil nail & shotcrete installation	n - Two crews NB			crews				
		Excavation per level		1445 bcy		cy/day	(	6 days		
		Install soil nails per level		18 ea		ea/dy		5 days		
		Shotcrete per level		19 cy	2	cy/hr		1 days		
		Number of levels		4 ea						
		Total duration					4	8 days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor		it Cost	Resource Qu		Resource Cost
L	lp	Labor premium				5.258%		\$462	2,992	\$24,344
M	sts	Small tools and supplies				\$3.00	/mhr	7120	mhr	\$21,360
			Support Crew							
L	lfm	Labor FM				\$59.48	/mhr	480.0	mhr	\$28,548
L	lab	General Labor (Grp 1)			2	\$56.77	/mhr	960.0	mhr	\$54,499
L	flag	Flagman (Grp 1)				\$56.77	/mhr	480.0	mhr	\$27,249
L	c45-	Crane oper. <45t (Grp 9)			200%			960.0	mhr	\$74,149
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24		480.0		\$37,075
Е	hc40	Hydraulic Crane 40ton/105'			200%	\$101	/hr	960.0	hr	\$96,880
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30	/hr	480.0	hr	\$18,864
E	cp12	Compressor, trailer 1200cfm				\$81.69	/hr	480.0	hr	\$39,211
E	g10	Generator, trailer 10.0kW				\$5.57	/hr	480.0	hr	\$2,676
L	comp	Compressorman (Grp 5)				\$74.91	/mhr	480.0	mhr	\$35,957
Ε	lp6	Light Plant/Genset, 6kW, 4/10	W000		3	\$8.60	/hr	1440	hr	\$12,388
S	muck	Muck disposal	8667 lcy			\$45.00	/lcy	8667	су	\$390,015
			Soil Nail Crew							
L	lfm	Labor FM				\$59.48	/mhr	480.0	mhr	\$28,548
L	lab	General Labor (Grp 1)	20.00 day	10.00 mhr/day	6	\$56.77	/mhr	1200	mhr	\$68,123
L	drill	Drill operator (Grp 6)	20.00 day	10.00 mhr/day	2	\$77.24	/mhr	400.0	mhr	\$30,895
Е	at	Air track 12' feed			2	\$35.63	/hr	960.0	hr	\$34,204
Е	ml30	Man-Lift 30' articulated boom			2	\$17.87	/hr	960.0	hr	\$17,155
Е	gp	Grout Plant, skid	20.00 day	10.00 hr/day	2	\$16.84	/hr	400.0	hr	\$6,734
М	sn	Soil nials	72.00 ea	•		\$245	/ea	72.00	ea	\$17,640
М	cs	Cement - sack	72.00 ea			\$17.12	/ea	72.00	ea	\$1,233
			Excavation Crew			·				, ,
L	lab	General Labor (Grp 1)	24.00 day	10.00 mhr/day	2	\$56.77	/mhr	480.0	mhr	\$27,249
L	eo3+	Excavator >3.5cy (Grp 8)	24.00 day	10.00 mhr/day	2		/mhr	480.0	mhr	\$37,075
E		SK330LC Exc 77.8/2.1cy	24.00 day	10.00 hr/day	2			480.0		\$66,024
			Shotcrete Crew		_	Ţ.3 <b>0</b>				,
L	lab	General Labor (Grp 1)	4.00 day	10.00 mhr/day	6	\$56.77	/mhr	240.0	mhr	\$13,625
E	sp2	Shotcrete pot Aliva, 2cy/hr	4.00 day	10.00 hr/day	2			80.00		\$2,711
M		Shotcrete	74.00 cy		_	\$210		74.00		\$15,540
			,			<b>4</b> =.0	,		,	+ . 5,5 10
										T ( ) ()

No.		scription mfort Road - Pour SB Jackin	n Slah	Item Quantity/Unit	Prod	duction rate	Other fixe			tal time ork days
024	WIL OO	manhours 2,100 5.676	Labor <b>\$146,955</b> \$397.18	Equipment <b>\$58,110</b> \$157.06		Material <b>\$267,833</b> \$723.87		Subcontract \$0 \$0.00	10 W	Item Cost <b>\$472,898</b> \$1,278.10
		Status (Additive)		Work schedule			Other \$	ST pay	Other	OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	0 hr	/shift	0 hr	r/shift
		Install reinforcement		44400 lb	150	lb/mhr	50 m	hr/day	6 da	ays
		Install jacking support beams							3 da	ays
		Pour concrete		370 cy					1 da	ays
		Total duration		·					10 da	ays
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Unit	Cost F	Resource Qua	intity I	Resource Cost
L	lp	Labor premium				5.258%		\$139,	614	\$7,341
M	sts	Small tools and supplies				\$3.00 /	mhr	2100 m	nhr	\$6,300



ProjectClientJob No.EstimatorRevComputed onMt Comfort RoadTown of McCordsville, IN6183.1RLR/BM02/20/2025Dual Underpass Construction - 10% Estimate1:48 PM

			Support Crew				
L	lfm	Labor FM			\$59.48 /mhr	100.0 mhr	\$5,948
L	lab	General Labor (Grp 1)		2	\$56.77 /mhr	200.0 mhr	\$11,354
L	flag	Flagman (Grp 1)			\$56.77 /mhr	100.0 mhr	\$5,677
L	c45-	Crane oper. <45t (Grp 9)	20	00%	\$77.24 /mhr	200.0 mhr	\$15,448
L	lo4+	Loader oper. >4cy (Grp 10)			\$77.24 /mhr	100.0 mhr	\$7,724
Е	hc40	Hydraulic Crane 40ton/105'	20	00%	\$101 /hr	200.0 hr	\$20,183
Е	1914	Wheel Loader Cat 914/1.7cy			\$39.30 /hr	100.0 hr	\$3,930
Е	cp12	Compressor, trailer 1200cfm			\$81.69 /hr	100.0 hr	\$8,169
Е	g10	Generator, trailer 10.0kW			\$5.57 /hr	100.0 hr	\$557
L	comp	Compressorman (Grp 5)			\$74.91 /mhr	100.0 mhr	\$7,491
Е	lp6	Light Plant/Genset, 6kW, 4/10	W00	3	\$8.60 /hr	300.0 hr	\$2,581
			Slab Crew				
L	lfm	Labor FM			\$59.48 /mhr	100.0 mhr	\$5,948
L	lab	General Labor (Grp 1)		6	\$56.77 /mhr	600.0 mhr	\$34,062
L	ifm	Ironworker FM		1	\$79.11 /mhr	100.0 mhr	\$7,911
L	ijm	Ironworker JM		4	\$76.40 /mhr	400.0 mhr	\$30,562
M	c4	Concrete, 4000psi mix			\$207 /cy	370.0 cy	\$76,590
M	xr	Reinforcing steel mat'l	44400 lb		\$0.20 /lb	44400 lb	\$8,880
M	rp	Reinforcing steel, plain	44400 lb		\$1.10 /lb	44400 lb	\$48,840
M	stl12	Steel shapes	57600 lb		\$2.14 /lb	57600 lb	\$123,264
L	conc	Concrete equip.oper. (Grp 2)			\$74.91 /mhr	100.0 mhr	\$7,491
Е	cb130	Conc. Pump, truck 130cy/hr			\$192 /hr	100.0 hr	\$19,193
Е	vib2	Conc. vibrator, internal, 1.75"		2	\$17.48 /hr	200.0 hr	\$3,497
M	хс	Concrete consumables			\$10.70 /cy	370.0 cy	\$3,959

No.	Item De	scription		Item Quantity/Unit	Prod	duction rate	Other fixed time		Total time
025	Mt Co	mfort Road - Jet Grout Head	wall	148 cy			6 days	6	work days
		manhours	Labor	Equipment		Material	Subcontr	act	Item Cost
		360	\$24,121	\$21,252		\$1,080	\$205,1	30	\$251,583
		2.432	\$162.98	\$143.60		\$7.30	\$1,386.	01	\$1,699.89
		Status (Additive)		Work schedule			Other ST pay		ner OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	0 hr/shift	0	hr/shift
		Jet grout headwall at receiving	•	ox structure					
		Mobilize & setup jet grout ope				days			
		Jet grout	148 cy	200 cy/day		days			
		Demobilize				days			
D. (T		Total duration		5		days		0 "	
R/T I		Resource Description  Labor premium	Resource Qty/Unit	Production rate	Factor	Resource Un 5.258%		e Quantity \$22,916	Resource Cost \$1,205
M	lp sts	Small tools and supplies				\$3.00		هکری اور 0.0 mhr	\$1,205
IVI	515	Small tools and supplies	Support Crew			φ3.00	/////// 300	.0 111111	φ1,000
1	lfm	Labor FM	Support Siew			\$59.48	/mhr 60 (	00 mhr	\$3.569
ī	lab	General Labor (Grp 1)			2	\$56.77		0.0 mhr	\$6,812
L	flag	Flagman (Grp 1)			_	\$56.77		00 mhr	\$3,406
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24		00 mhr	\$4,634
Е	hc40	Hydraulic Crane 40ton/105'			2	\$101	/hr 120	0.0 hr	\$12,110
Е	1914	Wheel Loader Cat 914/1.7cv				\$39.30	/hr 60.	00 hr	\$2,358
Е	cp12	Compressor, trailer 1200cfm				\$81.69	/hr 60.	00 hr	\$4,901
Е	g10	Generator, trailer 10.0kW				\$5.57	/hr 60.	00 hr	\$334
L	comp	Compressorman (Grp 5)				\$74.91	/mhr 60.	00 mhr	\$4,495
Е	lp6	Light Plant/Genset, 6kW, 4/10	W00W		3	\$8.60	/hr 180	0.0 hr	\$1,548
S	muck	Muck disposal	74.00 lcy			\$45.00	/lcy 74.	00 Icy	\$3,330
			Jet Grout Subco	ntractor					
S	jgm	Jet Grouting Mob	1.00 LS			\$150,000	/LS 1.	00 LS	\$150,000
S	jg	Jet Grouting				\$350	/cy 148	3.0 cy	\$51,800



Project Mt Comfort Road **Dual Underpass Construction - 10% Estimate**  Client Town of McCordsville, IN

Job No. Estimator 6183.1 RLR/BM

Rev

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No.	Item De	· ·	Desciving Dit	Item Quantity/Unit	Prod	duction rate		er fixed time		Total time
026	IVIL CO	mfort Rd- Exc & Support SB manhours	•	Equipment		Material	4	8 days Subcontract	40	work days Item Cost
		7,120	\$487,336	\$296,847		\$55,773		\$390,015		\$1,229,971
		Status (Additive)	<b>,</b> ,	Work schedule		<b>,</b> , , , , , ,	С	ther ST pay	Otl	ner OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week		0 hr/shift		hr/shift
		Soil nail & shotcrete installation				crews				
		Excavation per level		1445 bcy	250	cy/day		6 days		
		Install soil nails per level		18 ea	4	ea/day		5 days		
		Shotcrete per level		19 cy	2	cy/hr		1 days		
		Number of levels		4 ea						
		Total duration					4	8 days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur	it Cost	Resource Qu	antity	Resource Cost
L	lp	Labor premium				5.258%		\$462	,992	\$24,344
M	sts	Small tools and supplies				\$3.00	/mhr	7120 r	nhr	\$21,360
			Support Crew							
L	lfm	Labor FM				\$59.48		480.0 r		\$28,548
L	lab	General Labor (Grp 1)			2	\$56.77		960.0 r		\$54,499
L	flag	Flagman (Grp 1)				\$56.77		480.0 r		\$27,249
L	c45-	Crane oper. <45t (Grp 9)			2	\$77.24		960.0 r		\$74,149
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24		480.0 r		\$37,075
E		Hydraulic Crane 40ton/105'			2	\$101		960.0 h		\$96,880
Ε	1914	Wheel Loader Cat 914/1.7cy				\$39.30		480.0 h		\$18,864
Ε	cp12	Compressor, trailer 1200cfm				\$81.69		480.0 h		\$39,211
E	g10	Generator, trailer 10.0kW				\$5.57		480.0 h		\$2,676
L	•	Compressorman (Grp 5)				\$74.91		480.0 r		\$35,957
Ε	lp6	Light Plant/Genset, 6kW, 4/10			3	\$8.60		1440 h		\$12,388
S	muck	Muck disposal	8667 lcy			\$45.00	/lcy	8667 I	су	\$390,015
			Soil Nail Crew							
L	lfm	Labor FM				\$59.48		480.0 r		\$28,548
L	lab	General Labor (Grp 1)	20.00 day	10.00 mhr/day	6	\$56.77		1200 r		\$68,123
L	drill	Drill operator (Grp 6)	20.00 day	10.00 mhr/day	2	\$77.24		400.0 r		\$30,895
E	at	Air track 12' feed			2	\$35.63		960.0 h		\$34,204
E	ml30	Man-Lift 30' articulated boom		40.00 1 41	2	\$17.87		960.0 h		\$17,155
E	gp	Grout Plant, skid	20.00 day	10.00 hr/day	2	\$16.84		400.0 h		\$6,734
M	sn	Soil nials	72.00 ea			\$245		72.00 €		\$17,640
M	CS	Cement - sack	72.00 ea			\$17.12	/ea	72.00 €	ea	\$1,233
			Excavation Crew	40.00			, .			*
L	lab	General Labor (Grp 1)	24.00 day	10.00 mhr/day	2	\$56.77		480.0 r		\$27,249
L		Excavator >3.5cy (Grp 8)	24.00 day	10.00 mhr/day	2	\$77.24		480.0 r		\$37,075
Е	he330	SK330LC Exc 77.8/2.1cy	24.00 day	10.00 hr/day	2	\$138	/hr	480.0 h	nr	\$66,024
		0 11 1 10 11	Shotcrete Crew	40.00		<b>4-2-</b>	, .	2125		<b></b>
L	lab	General Labor (Grp 1)	4.00 day	10.00 mhr/day	6	\$56.77		240.0 r		\$13,625
E	sp2	Shotcrete pot Aliva, 2cy/hr	4.00 day	10.00 hr/day	2	\$33.89		80.00 h		\$2,711
M	shcrt	Shotcrete	74.00 cy			\$210	/cy	74.00 d	СУ	\$15,540
Ne	Hor- C	agrintian		Itam Ouartitul Init	D-	luation r-t-	041	or fixed ti		Total tim -
No.	item De	scription		Item Quantity/Unit	Proc	duction rate	otn	er fixed time		Total time

No.	Item De	scription			Item Quantity/l	Jnit P	roduction rate	Other fixed time		Total time
027	Mt Co	mfort Road - Pour SB Mu	d Mat Re	ceiving Pit	185 cy			1 day	1	work day
			ours <b>160</b> 365	Labor <b>\$10,646</b> \$57.55	\$	ipment <b>5,461</b> 29.52	Material <b>\$39,460</b> \$213.29	Subcontrac <b>\$(</b> \$0.00	)	\$55,567 \$300.36
		Status (Additive)	300	ψ07.00	Work sche		Ψ2 10.20	Other ST pay		er OT pay
	1.000	Schedule factor (Normal)		10 hr/shift	1 shift	/day	5 day/week	0 hr/shift	0	hr/shift
		Pour concrete Total duration			185 days	3	1 days 1 days			
R/T	Code	Resource Description	Reso	urce Qty/Unit	Production ra	te Fact	or Resource Ur	nit Cost Resource	Quantity	Resource Cost
L	lp	Labor premium					5.258%	\$	10,114	\$532
M	sts	Small tools and supplies					\$3.00	/mhr 160.0	) mhr	\$480
L	lfm	Labor FM	Supp	oort Crew			\$59.48	/mhr 10.00	) mhr	\$595



	Comfor	t Road rpass Construction - 10% Es	-	Client Town of McCordsvil	lle, IN		Job No. <b>6183.1</b>	Estimator RLR/BM	Rev 0	Computed on 2/20/2025 1:48 PM
			D	IRECT COST DETA	.IL					
L	lab	General Labor (Grp 1)			2	\$56.77 /1	mhr	20.00 1	mhr	\$1,135
L	flag	Flagman (Grp 1)				\$56.77 /r	mhr	10.00 ו	mhr	\$568
L	c45-	Crane oper. <45t (Grp 9)			2	\$77.24 /1	mhr	20.00 ו	mhr	\$1,545
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24 /1	mhr	10.00 ı	mhr	\$772
E		Hydraulic Crane 40ton/105'			2	\$101 /		20.00 l		\$2,018
E		Wheel Loader Cat 914/1.7cy				\$39.30 /		10.00 l		\$393
E	•	Compressor, trailer 1200cfm				\$81.69 /I		10.00 I		\$817
E	g10	Generator, trailer 10.0kW				\$5.57 /		10.00 I		\$56
L		Compressorman (Grp 5)	.00147		0000/	\$74.91 /1		10.00 ו		\$749
E	lp6	Light Plant/Genset, 6kW, 4/10	000W Slab Crew		300%	\$8.60 /	hr	30.00 I	nr	\$258
L	lfm	Labor FM	Siab Crew			\$59.48 /r	mhr	10.00 ו	mhr	\$595
L	lab	General Labor (Grp 1)			6	\$56.77 /r		60.00 1		\$3,406
M	c3	Concrete, 3000psi mix			Ü	\$200 /		185.0		\$37,000
L		Concrete equip.oper. (Grp 2)				\$74.91 /	•	10.00 i	•	\$749
E		Conc. Pump, truck 130cy/hr				\$192 /I		10.00 I		\$1,919
M	XC	Concrete consumables				\$10.70 /		185.0		\$1,980
						,	,		,	, ,,,,,,,
No.	Item De			Item Quantity/Unit	Prod	duction rate		fixed time		Total time
028	IVIT CO	mfort Road - Cast SB Culver		566 cy		Material	22	days Subcontract	22	work days
		5,320	Labor <b>\$395,259</b>	Equipment <b>\$94,829</b>		\$319,320		\$ubcontract		Item Cost \$809,409
		9.408	\$698.96	\$167.69		\$564.67		\$0.00		\$1,431.32
		Status (Additive)	φοσο.σσ	Work schedule		φοσσ1	Oth	er ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week		hr/shift		hr/shift
		Set / strip slab forms	480 sf	16 sf/mhr		mhr/day		days		
		Set / strip wall forms	4914 sf	16 sf/mhr	70	mhr/day		days		
		Set / strip roof forms	2500 sf	8 sf/mhr	70	mhr/day	5	days		
		Install reinforcment	67860 lb	150 lb/mhr	80	mhr/day	6	days		
		Concrete pours	4 ea	1 ea/day			4	days		
		Total duration					22	days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Unit	Cost	Resource Qu		Resource Cost
L	lp	Labor premium				5.258%			5,515	\$19,744
M	sts	Small tools and supplies	O			\$3.00 /1	mhr	5320 ı	mhr	\$15,960
	Ifm	Lobor EM	Support Crew			¢50.40 /s	na la r	220.0		¢42.00E
L	lfm	Labor FM General Labor (Grp 1)			2	\$59.48 /ı \$56.77 /ı		220.0 i 440.0 i		\$13,085
L L	lab flag	Flagman (Grp 1)			2	\$56.77 /I		220.0 i		\$24,978 \$12,489
L	c45-	Crane oper. <45t (Grp 9)				\$77.24 /1		220.0 1		\$16,992
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24 /I		220.0 1		\$16,992
E		Hydraulic Crane 40ton/105'				\$101 /I		220.0 l		\$22,202
E		Wheel Loader Cat 914/1.7cv				\$39.30 /I		220.0 l		\$8,646
E		Compressor, trailer 1200cfm				\$81.69 /I		220.0 l		\$17,972
E	g10	Generator, trailer 10.0kW				\$5.57 /I		220.0 I		\$1,226
L	•	Compressorman (Grp 5)				\$74.91 /		220.0 1		\$16,480
E	lp6	Light Plant/Genset, 6kW, 4/10	W00W		300%	\$8.60 /		660.0 I		\$5,678
Ε	p205	Pump, trash 205gpm/100ft he				\$2.86 /	hr	220.0 I	hr	\$630
Ε	wtp	Water Treatment Plant				\$87.62 /	hr	220.0 l	hr	\$19,276
			Structure Crew							
L	lfm	Labor FM				\$59.48 /1		220.0 1		\$13,085
L	lab	General Labor (Grp 1)				\$56.77 /r		220.0 1		\$12,489
L	cfm	Carpenter FM			1	\$74.31 /١		220.0 ו		\$16,348
L	cjm	Carpenter JM			6	\$71.60 /		1320 ı		\$94,513
L	ifm	Ironworker FM			1	\$79.11 /		220.0 ו		\$17,404
L	ijm	Ironworker JM			7	\$76.40 /r		1540 ו		\$117,662
L		Concrete equip.oper. (Grp 2)	4.00 day	10.00 mhr/day		\$74.91 /r		40.00 1		\$2,996
E		Conc. Pump, truck 130cy/hr	4.00 day	10.00 hr/day		\$192 /		40.00 I		\$7,677
E	vib	Concrete vibrators	7004	4.50	6	\$2.77 /		1320 I		\$3,660
M		Lumber for lagging/forms	7894 sf	1.50 bf/sf		\$4.98 /		11841 1		\$58,915
M	ply1	Plywood MDO 1"	7894 sf			\$2.86 /	SĪ	7894 s	sī	\$22,552



,	Project Mt Comfort Road			Client		Job No.			Computed on
		rt Road rpass Construction - 10% Est	timate	Town of McCordsville, IN		6183.1	RLR/BM	0	2/20/2025 1:48 PM
	0	. page concaración 1070 20	·······································	DIRECT COST DETAIL					1.401 10
М	ff	Form fasteners	7894 sf		\$0.43	3 /sf	7894 s	f	\$3,379
M	foil	Form oil	7894 sf		\$0.16	3 /sf	7894 s	f	\$1,267
M	cure	Curing compound	7894 sf		\$0.1	l /sf	7894 s	f	\$845
M	xf	Misc form supplies	7894 sf		\$0.43	3 /sf	7894 s	f	\$3,379
E	ml30	Man-Lift 30' articulated boom		2	\$17.87	/hr	440.0 h	ır	\$7,863
M	c5	Concrete, 5000psi mix			\$210	) /cy	565.5	y	\$118,755
M	XC	Concrete consumables			\$10.70	) /cy	565.5	:y	\$6,051
M	rp	Reinforcing steel, plain	67860 lb		\$1.10	) /lb	67860 II	5	\$74,646
М	xr	Reinforcing steel mat'l	67860 lb		\$0.20	) /lb	67860 II	0	\$13,572

No. <b>029</b>		escription omfort Road - Cast SB Culver	t #2	Item Quantity/Unit	Proc	duction rate		er fixed time  2 days		Total time work days
		manhours <b>5,320</b> 9,399		Equipment <b>\$94,829</b> \$167.54		Material <b>\$319,508</b> \$564.50		Subcontract \$0 \$0.00		Item Cost <b>\$809,597</b> \$1,430.38
		Status (Additive)	*******	Work schedule		<b>,</b>	Ot	her ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week		) hr/shift		hr/shift
		Set / strip slab forms	480 sf	16 sf/mhr		mhr/day		2 days		
		Set / strip wall forms	4914 sf	16 sf/mhr	70	mhr/day	5	5 days		
		Set / strip roof forms	2500 sf	8 sf/mhr	70	mhr/day	5	5 days		
		Install reinforcment	67920 lb	150 lb/mhr	80	mhr/day	6	6 days		
		Concrete pours	4 ea	1 ea/day		-	4	4 days		
		Total duration						2 days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Uni	it Cost	Resource Q		Resource Cost
L	lp	Labor premium				5.258%	, .		5,515	\$19,744
M	sts	Small tools and supplies	Support Crew			\$3.00	/mhr	5320	mhr	\$15,960
L	lfm	Labor FM	Support Crew			\$59.48	/mhr	220.0	mhr	\$13,085
L	lab	General Labor (Grp 1)			2	\$56.77		440.0		\$24,978
L	flag	Flagman (Grp 1)			_	\$56.77		220.0		\$12,489
L	c45-	Crane oper. <45t (Grp 9)				\$77.24		220.0		\$16,992
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24		220.0		\$16,992
Е	hc40	Hydraulic Crane 40ton/105'				\$101		220.0		\$22,202
Е	1914	Wheel Loader Cat 914/1.7cy				\$39.30	/hr	220.0	hr	\$8,646
Е	cp12	Compressor, trailer 1200cfm				\$81.69	/hr	220.0	hr	\$17,972
Е	g10	Generator, trailer 10.0kW				\$5.57	/hr	220.0	hr	\$1,226
L	-	Compressorman (Grp 5)				\$74.91	/mhr	220.0	mhr	\$16,480
Ε	lp6	Light Plant/Genset, 6kW, 4/10	W000		300%	\$8.60	/hr	660.0	hr	\$5,678
Е	p205	Pump, trash 205gpm/100ft he	ad			\$2.86	/hr	220.0	hr	\$630
E	wtp	Water Treatment Plant				\$87.62	/hr	220.0	hr	\$19,276
			Structure Crew							
L	lfm	Labor FM				\$59.48		220.0		\$13,085
L	lab	General Labor (Grp 1)				\$56.77		220.0		\$12,489
L	cfm	Carpenter FM			1	\$74.31		220.0		\$16,348
L	cjm	Carpenter JM			6	\$71.60		1320		\$94,513
L	ifm 	Ironworker FM			1	\$79.11		220.0		\$17,404
L	ijm	Ironworker JM	4.00	40.00	7	\$76.40		1540		\$117,662
L		Concrete equip.oper. (Grp 2)	4.00 day	10.00 mhr/day		\$74.91		40.00		\$2,996
Е		Conc. Pump, truck 130cy/hr	4.00 day	10.00 hr/day	_	\$192		40.00		\$7,677
E	vib	Concrete vibrators	7004 of	1 EO bf/of	6	\$2.77		1320		\$3,660
M		Lumber for lagging/forms	7894 sf 7894 sf	1.50 bf/sf		\$4.98 \$2.86		11841 7894		\$58,915
M M	ply1 ff	Plywood MDO 1" Form fasteners	7894 sf					7894 7894		\$22,552
M	foil	Form oil	7894 sf			\$0.43 \$0.16		7894 7894		\$3,379 \$1,267
M	cure	Curing compound	7894 sf			\$0.16		7894 7894		\$1,267 \$845
M	xf	Misc form supplies	7894 sf			\$0.11		7894 7894		\$3,379
E		Man-Lift 30' articulated boom	7007 31		2	\$17.87		440.0		\$7,863
M	c5	Concrete, 5000psi mix			2	\$210		566.0		\$118,860
M	XC	Concrete consumables				\$10.70	,	566.0	,	\$6,056
M	rp	Reinforcing steel, plain	67920 lb			\$1.10	•	67920	•	\$74,712
	٠,٢		3.020 10			ψ1.10		3.020		Ψ1 1,1 12



Project Client Job No. Estimator Rev Computed on Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM 0 2/20/2025

Dual Underpass Construction - 10% Estimate 1:48 PM

#### **DIRECT COST DETAIL**

67920 lb

\$0.20 /lb

\$59.48 /mhr

\$56.77 /mhr

\$77.24 /mhr

\$74.91 /mhr

\$17.87 /hr

\$28.46 /hr

\$640 /hr

\$471 /hr

3

2

2

2

67920 lb

30.00 mhr

90.00 mhr

30.00 mhr

60.00 mhr

60.00 hr

60.00 hr

30.00 hr

30.00 hr

\$13,584

\$1,784

\$5,109

\$2,317

\$4,495

\$1,072

\$1,707

\$19,206

\$14,132

No.	Item De	escription		Item Quantity/Unit	Proc	luction rate	Othe	er fixed time		Total time
030	Mt Co	mfort Road - Install Shield		1 LS			3	3 days	3	work days
		manhours <b>390</b>	Labor <b>\$27,133</b>	Equipment <b>\$45,915</b>		Material <b>\$1,170</b>		Subcontract <b>\$0</b>		Item Cos <b>\$74,217</b>
		Status (Additive)		Work schedule			Ot	her ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	(	) hr/shift	0	hr/shift
		Install shield & steering jacks		3 days						
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur	it Cost	Resource Q	uantity	Resource Cost
L	lp	Labor premium				5.258%		\$2	5,777	\$1,355
M	sts	Small tools and supplies				\$3.00	/mhr	390.0	mhr	\$1,170
			Support Crew							
L	lfm	Labor FM				\$59.48	/mhr	30.00	mhr	\$1,784
L	lab	General Labor (Grp 1)				\$56.77	/mhr	30.00	mhr	\$1,703
L	flag	Flagman (Grp 1)				\$56.77	/mhr	30.00	mhr	\$1,703
L	c45-	Crane oper. <45t (Grp 9)				\$77.24	/mhr	30.00	mhr	\$2,317
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24	/mhr	30.00	mhr	\$2,317
Е	hc40	Hydraulic Crane 40ton/105'				\$101	/hr	30.00	hr	\$3,028
Е	1914	Wheel Loader Cat 914/1.7cy				\$39.30	/hr	30.00	hr	\$1,179
Е	cp12	Compressor, trailer 1200cfm				\$81.69	/hr	30.00	hr	\$2,451
Ε	g10	Generator, trailer 10.0kW				\$5.57	/hr	30.00	hr	\$167
L	comp	Compressorman (Grp 5)				\$74.91	/mhr	30.00	mhr	\$2,247
Ε	lp6	Light Plant/Genset, 6kW, 4/10	W00W			\$8.60	/hr	30.00	hr	\$258
Ε	p205	Pump, trash 205gpm/100ft he	ad			\$2.86	/hr	30.00	hr	\$86
Ε	wtp	Water Treatment Plant				\$87.62	/hr	30.00	hr	\$2,628
			Shield / Jacking C	Crew						

No.	Item De	scription	•	Item Quantity/Unit	Proc	luction rate	Othe	er fixed time	•	Total time
031	Mt Co	mfort Road - Install Jacking	System	1 LS			;	3 days	3	work days
		manhours <b>450</b>	Labor <b>\$31,596</b>	Equipment <b>\$46,431</b>		Material <b>\$12,050</b>		Subcontract <b>\$0</b>		Item Cost <b>\$90,077</b>
		Status (Additive)		Work schedule			Of	ther ST pay	Oth	ner OT pay
	1.000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	(	0 hr/shift	0	hr/shift
		Assemble & setup jacking sys	tem	3 days						
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource U	nit Cost	Resource Qua	antity	Resource Cost
L	lp	Labor premium				5.258%		\$30	,018	\$1,578
M	sts	Small tools and supplies				\$3.00	/mhr	450.0 n	nhr	\$1,350
			Support Crew							
L	lfm	Labor FM				\$59.48	/mhr	30.00 n	nhr	\$1,784
L	lab	General Labor (Grp 1)			2	\$56.77	/mhr	60.00 n	nhr	\$3,406
L	flag	Flagman (Grp 1)				\$56.77	/mhr	30.00 n	nhr	\$1,703
L	c45-	Crane oper. <45t (Grp 9)				\$77.24	/mhr	30.00 n	nhr	\$2,317
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24	/mhr	30.00 n	nhr	\$2,317
Ε	hc40	Hydraulic Crane 40ton/105'				\$101	/hr	30.00 h	ır	\$3,028
Ε	1914	Wheel Loader Cat 914/1.7cy				\$39.30	/hr	30.00 h	ır	\$1,179
Ε	cp12	Compressor, trailer 1200cfm				\$81.69	/hr	30.00 h	ır	\$2,451
Ε	g10	Generator, trailer 10.0kW				\$5.57	/hr	30.00 h	ır	\$167
L	comp	Compressorman (Grp 5)				\$74.91	/mhr	30.00 n	nhr	\$2,247
Ε	lp6	Light Plant/Genset, 6kW, 4/10	W000		3	\$8.60	/hr	90.00 h	ır	\$774
Ε	p205	Pump, trash 205gpm/100ft he	ad			\$2.86	/hr	30.00 h	ır	\$86
Е	wtp	Water Treatment Plant				\$87.62	/hr	30.00 h	ır	\$2,628



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lfm

lab

mw

ml30

we4

cssj

Labor FM

General Labor (Grp 1)

Welder 400A, trailer E

cc100 Crawler Crane 100ton/200'

HD Mech/Welder (Grp 1)

Man-Lift 30' articulated boom

Cutting shield steering jacks

c100+ Crane oper. >100t (Grp 11)

Reinforcing steel mat'l

Project Client Job No. Estimator Rev Computed on Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM 0 2/20/2025 Dual Underpass Construction - 10% Estimate 1:48 PM

			Jacking System Crew			
L	lfm	Labor FM		\$59.48 /mhr	30.00 mhr	\$1,784
L	lab	General Labor (Grp 1)	3	\$56.77 /mhr	90.00 mhr	\$5,109
L	c100+	Crane oper. >100t (Grp 11)		\$77.24 /mhr	30.00 mhr	\$2,317
L	mw	HD Mech/Welder (Grp 1)	2	\$74.91 /mhr	60.00 mhr	\$4,495
L	ejm	Electrician JM		\$84.59 /mhr	30.00 mhr	\$2,538
E	ml30	Man-Lift 30' articulated boom	2	\$17.87 /hr	60.00 hr	\$1,072
E	we4	Welder 400A, trailer E	200%	\$28.46 /hr	60.00 hr	\$1,707
E	cssj	Cutting shield steering jacks		\$640 /hr	30.00 hr	\$19,206
E	cc100	Crawler Crane 100ton/200'		\$471 /hr	30.00 hr	\$14,132
M	xmisc	Miscellaneous material	10.00 lot	\$1,070 /lot	10.00 lot	\$10,700

No.	item De	escription		Item Quantity/Unit	Prod	luction rate	Other fixed time		Total time
032	Mt Co	mfort Road - Excavate SB Cu	ılvert #1	56 ft			12 days	12	work days
		manhours <b>5,184</b> 92.571	Labor <b>\$420,368</b> \$7,506.57	Equipment <b>\$611,512</b> \$10,919.86		Material <b>\$26,252</b> \$468.79	\$ubcontract \$148,433 \$2,650.58	0.11	\$1,206,565 \$21,545.80
	4 000	Status (Additive)	0 1/ . 1 .: 64	Work schedule	7	1	Other ST pay		er OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	3 shift/day	/	day/week	0.5 hr/shift	0	hr/shift
		Excavate culvert	2199 cy	171 cy/day	40				
D /T		Jack culvert	56 ft	5 ft/day		days			
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Unit			Resource Cost
L M	lp ete	Labor premium				18.221% \$3.00 /r		5,578	\$64,790
IVI	sts	Small tools and supplies	Support Crew			\$3.00 //	11111 3104	HIIII	\$15,552
L	lfm	Labor FM	Support Crew			\$59.48 /r	mhr 288.0	mhr	\$17,129
L	lab	General Labor (Grp 1)			2	\$59.40 /r \$56.77 /r			\$32,699
L	flag	Flagman (Grp 1)			2	\$56.77 /r \$56.77 /r			\$32,099 \$16,350
L	c45-	Crane oper. <45t (Grp 9)				\$30.77 /r \$77.24 /r			\$22,245
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24 /r \$77.24 /r			\$22,245
L	ejm	Electrician JM				\$84.59 /r			\$24,361
E	•	Hydraulic Crane 40ton/105'				\$101 /h			\$29,064
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30 /r			\$11,318
E		Compressor, trailer 1200cfm				\$81.69 /h			\$23,526
E	g10	Generator, trailer 10.0kW				\$5.57 /r			\$1,606
L	•	Compressorman (Grp 5)				\$74.91 /r			\$21,574
E	lp6	Light Plant/Genset, 6kW, 4/10	00W		3	\$8.60 /			\$7,433
E		Pump, trash 205gpm/100ft he			ŭ	\$2.86 /h			\$825
S	•	Muck disposal	3299 lcv			\$45.00 /			\$148,433
_		mask and posta.	Excavation & Jac	kina Crew		ψ.σ.σσ /	0_00	,	ψσ, .σσ
L	lfm	Labor FM		9		\$59.48 /r	mhr 288.0	mhr	\$17,129
L	lab	General Labor (Grp 1)			3	\$56.77 /r			\$49,049
L	ofm	Operating Engineer				\$77.24 /r			\$22,245
L	eo3-	Excavator <3.5cy (Grp 5)			2	\$77.24 /r	mhr 576.0	mhr	\$44,489
L	lo4-	Loader oper. <4cy (Grp 5)				\$77.24 /r	nhr 288.0	mhr	\$22,245
L	mw	HD Mech/Welder (Grp 1)				\$74.91 /r	mhr 288.0	mhr	\$21,574
Е	he320	320 Excavator 43.8k/1.5cy				\$190 /h	nr 288.0	hr	\$54,692
Е	1914	Wheel Loader Cat 914/1.7cv				\$39.30 /h	nr 288.0	hr	\$11,318
Е	cssj	Cutting shield steering jacks				\$640 /h	nr 288.0	hr	\$184,377
Е	tjack	Thrust jack & frame				\$439 /	nr 288.0	hr	\$126,450
М	xmisc	Miscellaneous material	10.00 lot			\$1,070 /1	ot 10.00	lot	\$10,700
Е	wtp	Water Treatment Plant				\$87.62 /h	nr 288.0	hr	\$25,234
L	c100+	Crane oper. >100t (Grp 11)				\$77.24 /r	nhr 288.0	mhr	\$22,245
Е	cc100	Crawler Crane 100ton/200'				\$471 /h	nr 288.0	hr	\$135,669



Project
Mt Comfort Road
Dual Underpass Construction - 10% Estimate

Client
Town of McCordsville, IN

Job No. Estimator **6183.1 RLR/BM** 

ator Rev

Computed on 2/20/2025 1:48 PM

No.	Item De	scription		Item Quantity/Unit	Proc	luction rate	Other fixed time	Total time	
033	Mt Co	mfort Road - Position SB Cul	vert #2	1 LS			2 days	2 work days	s
		manhours	Labor	Equipment		Material	Subcontract	Item (	Cost
		720	\$51,031	\$90,917		\$7,510	\$0	\$149,4	458
		Status (Additive)		Work schedule			Other ST pay	Other OT pay	
	1.000	Schedule factor (Normal)	8 hr/shift	3 shift/day	5	day/week	0.5 hr/shift	0 hr/shift	
		Position & prepare culvert for	, 0	2 days					
R/T		Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Unit		,	
L	lp	Labor premium				6.250%			002
M	sts	Small tools and supplies				\$3.00 /	mhr 720.0	mhr \$2,1	160
			Support Crew						
L	lfm	Labor FM			_	\$59.48 /		* /-	
L	lab	General Labor (Grp 1)			2	\$56.77 /		+ - /	450
L	flag	Flagman (Grp 1)				\$56.77 /		, ,	725
L	c45-	Crane oper. <45t (Grp 9)				\$77.24 /		+ - 1	
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24 /		+ - )	
L	ejm	Electrician JM				\$84.59 /		+ ,-	
E		Hydraulic Crane 40ton/105'				\$101 /		* /-	
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30 /		, , ,	
E	cp12	Compressor, trailer 1200cfm				\$81.69 /			
E	g10	Generator, trailer 10.0kW				\$5.57 /		,	268
L		Compressorman (Grp 5)				\$74.91 /		+ - ) -	
E	lp6	Light Plant/Genset, 6kW, 4/10			3	\$8.60 /		, ,	
E	•	Pump, trash 205gpm/100ft he	ad			\$2.86 /		,	137
E	wtp	Water Treatment Plant				\$87.62 /	hr 48.00	hr \$4,2	206
			Culvert Crew			4=0.40.4			
L	lfm	Labor FM				\$59.48 /		, , ,	
L	lab	General Labor (Grp 1)			3	\$56.77 /		+ - /	
L	mw	HD Mech/Welder (Grp 1)			2	\$74.91 /		·····	
E	cssj	Cutting shield steering jacks				\$640 /			
E	•	Thrust jack & frame				\$439 /		, , ,	
M		Miscellaneous material	5.00 lot			\$1,070 /			
L		Crane oper. >100t (Grp 11)				\$77.24 /		+ - 1	
Е	cc100	Crawler Crane 100ton/200'				\$471 /	hr 48.00	hr \$22,6	511

No.	Item De	scription		Item Quantity/Unit	Prod	luction rate	Other	r fixed time		Total time
034	Mt Co	mfort Road - Excavate SB Cu	56 ft			12	days	12	work days	
		manhours <b>5,184</b>	Labor <b>\$420,368</b>	Equipment <b>\$611,512</b>		Material <b>\$26,252</b>		Subcontract \$148,433		Item Cost \$1,206,565
		92.571	\$7,506.57	\$10,919.86		\$468.79		\$2,650.58		\$21,545.80
		Status (Additive)		Work schedule			Oth	ner ST pay	Oth	er OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	3 shift/day	7	day/week	0.5	hr/shift	0	hr/shift
		Excavate culvert	2199 cy	171 cy/day						
		Jack culvert	56 ft	5 ft/day	12	days				
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur		Resource Q		Resource Cost
L	lp	Labor premium				18.221%			5,578	\$64,790
M	sts	Small tools and supplies				\$3.00	/mhr	5184	mhr	\$15,552
			Support Crew							
L	lfm	Labor FM				\$59.48		288.0		\$17,129
L	lab	General Labor (Grp 1)			2	\$56.77		576.0		\$32,699
L	flag	Flagman (Grp 1)				\$56.77		288.0		\$16,350
L	c45-	Crane oper. <45t (Grp 9)				\$77.24	/mhr	288.0	mhr	\$22,245
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24	/mhr	288.0	mhr	\$22,245
L	ejm	Electrician JM				\$84.59	/mhr	288.0	mhr	\$24,361
Ε	hc40	Hydraulic Crane 40ton/105'				\$101	/hr	288.0	hr	\$29,064
Е	1914	Wheel Loader Cat 914/1.7cy				\$39.30	/hr	288.0	hr	\$11,318
Е	cp12	Compressor, trailer 1200cfm				\$81.69	/hr	288.0	hr	\$23,526
E	g10	Generator, trailer 10.0kW				\$5.57	/hr	288.0	hr	\$1,606
L	comp	Compressorman (Grp 5)				\$74.91	/mhr	288.0	mhr	\$21,574
E	lp6	Light Plant/Genset, 6kW, 4/10	W00W		3	\$8.60	/hr	864.0	hr	\$7,433



			D	ELVE UNDERGROU	שא				
	Comfor	t Road rpass Construction - 10% Es	timate	Client Town of McCordsvil	le, IN		lob No. Estir	mator Re /BM (	Computed on 2/20/2025 1:48 PM
			I	DIRECT COST DETA	IL				
Ε	p205	Pump, trash 205gpm/100ft he	ad			\$2.86 /h	r 28	88.0 hr	\$825
S	muck	Muck disposal	3299 lcy			\$45.00 /lc	:у 3	299 lcy	\$148,433
			Excavation & Jac	cking Crew					
L	lfm	Labor FM				\$59.48 /m		88.0 mhr	\$17,129
L	lab	General Labor (Grp 1)			3	\$56.77 /m		64.0 mhr	\$49,049
L	ofm	Operating Engineer				\$77.24 /m		88.0 mhr	\$22,245
L	eo3-	Excavator <3.5cy (Grp 5)			2	\$77.24 /m		76.0 mhr	\$44,489
L L	lo4-	Loader oper. <4cy (Grp 5) HD Mech/Welder (Grp 1)				\$77.24 /m \$74.91 /m		88.0 mhr 88.0 mhr	\$22,245
E	mw he320	320 Excavator 43.8k/1.5cy				\$190 /h		88.0 hr	\$21,574 \$54,692
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30 /h		88.0 hr	\$11,318
E	cssi	Cutting shield steering jacks				\$640 /h		88.0 hr	\$184,377
E	,	Thrust jack & frame				\$439 /h		88.0 hr	\$126,450
M	•	Miscellaneous material	10.00 lot			\$1,070 /lc		0.00 lot	\$10,700
Е	wtp	Water Treatment Plant				\$87.62 /h	r 28	88.0 hr	\$25,234
L	c100+	Crane oper. >100t (Grp 11)				\$77.24 /m	nhr 28	88.0 mhr	\$22,245
Е	cc100	Crawler Crane 100ton/200'				\$471 /h	r 28	88.0 hr	\$135,669
No.		scription		Item Quantity/Unit	Proc	luction rate	Other fixed tim		Total time
035	Mt Co	mfort Road - Remove Jacks		1 LS			5 days		5 work days
		manhours	Labor	Equipment		Material	Subcor		Item Cost
		Status (Additive)	\$63,678	\$52,202 Work schedule		\$2,550	Other ST pa	<b>\$0</b>	<b>\$118,430</b> ther OT pay
	1 000	Schedule factor (Normal)	10 hr/shift	1 shift/day	5	day/week	0.5 hr/shift	-	) hr/shift
	1.000	Remove jacks & shields	5 days	Tormoday		aayiiioon	0.0 111/01111	`	, m, omit
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Unit (	Cost Resou	rce Quantity	Resource Cost
L	lp	Labor premium	-			10.258%		\$57,754	\$5,924
M	sts	Small tools and supplies				\$3.00 /m	nhr 8	50.0 mhr	\$2,550
			Support Crew						
L	lfm	Labor FM				\$59.48 /m		0.00 mhr	\$2,974
L	lab	General Labor (Grp 1)			2	\$56.77 /m		00.0 mhr	\$5,677
L	flag	Flagman (Grp 1)				\$56.77 /m		0.00 mhr	\$2,838
L L	c45-	Crane oper. <45t (Grp 9) Loader oper. >4cy (Grp 10)				\$77.24 /m \$77.24 /m		0.00 mhr	\$3,862
L	lo4+ ejm	Electrician JM				\$84.59 /m		0.00 mhr 0.00 mhr	\$3,862 \$4,229
E	•	Hydraulic Crane 40ton/105'				\$101 /h		0.00 hr	\$5,046
Ē	1914	Wheel Loader Cat 914/1.7cy				\$39.30 /h		0.00 hr	\$1,965
E		Compressor, trailer 1200cfm				\$81.69 /h		0.00 hr	\$4,084
E	g10	Generator, trailer 10.0kW				\$5.57 /h		0.00 hr	\$279
L		Compressorman (Grp 5)				\$74.91 /m		0.00 mhr	\$3,746
Е	lp6	Light Plant/Genset, 6kW, 4/10	W00W		3	\$8.60 /h	r 15	50.0 hr	\$1,290
E	p205	Pump, trash 205gpm/100ft he				\$2.86 /h	r 50	0.00 hr	\$143
E	wtp	Water Treatment Plant				\$87.62 /h	r 50	0.00 hr	\$4,381
			Removal Crew						
L	lfm	Labor FM				\$59.48 /m		0.00 mhr	\$2,974
L	lab	General Labor (Grp 1)			3	\$56.77 /m		50.0 mhr	\$8,515
L	mw	HD Mech/Welder (Grp 1)			2	\$74.91 /m		00.0 mhr	\$7,491
L		Crane oper. >100t (Grp 11)				\$77.24 /m		0.00 mhr	\$3,862
L		Excavator <3.5cy (Grp 5)				\$77.24 /m		0.00 mhr	\$3,862
L	lo4-	Loader oper. <4cy (Grp 5) 320 Excavator 43.8k/1.5cy				\$77.24 /m		0.00 mhr 0.00 hr	\$3,862 \$0,405
E						\$190 /h \$39.30 /h		0.00 hr	\$9,495 \$1,965
Ε	191/	Wheel Loader Cat 914/1.7cy							



\$23,554

\$471 /hr

50.00 hr

E cc100 Crawler Crane 100ton/200'

Project Client Job No. Estimator Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM Dual Underpass Construction - 10% Estimate

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No.		scription	nort CD Wall 2	Item Quantity/Unit	Prod	luction rate		fixed time		Total time work days
036	IVIL CO	mfort Road - Excavate & Sup manhours 8,072	Labor \$522,777	Equipment \$321,789		Material <b>\$110,018</b>	67	Subcontract \$543,591	67	Item Cost \$1,498,175
		Status (Additive)	¥ 0 = = , · · · ·	Work schedule		<b>4.1.0,0.10</b>	Oth	er ST pay	Otl	ner OT pay
	1 000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week		hr/shift		hr/shift
	1.000	Soil nail & shotcrete installatio				crews		THYOTHIC		myomic
		Excavation per level		2684 bcy		cy/day	6	days		
		Install soil nails per level		77 ea		ea/day		days	2	crews
		Shotcrete per level		40 cy		cy/hr		days		
		Number of levels		3 ea		,		,		
		Total duration					57	days		
		Additional Time to Break into I	Pit				10	days		
		Total Duration						days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Un	it Cost	Resource Qu	antity	Resource Cost
M	sts	Small tools and supplies				\$3.00	/mhr	8072 ı	nhr	\$24,216
			Support Crew							
L	lfm	Labor FM				\$59.48		536.0 ו		\$31,879
L	lab	General Labor (Grp 1)			2	\$56.77		1072 ו		\$60,857
L	flag	Flagman (Grp 1)			_	\$56.77		536.0 ו		\$30,428
L	c45-	Crane oper. <45t (Grp 9)			2	\$77.24		1072 ו		\$82,800
L	lo4+	Loader oper. >4cy (Grp 10)			0000/	\$77.24		536.0 (		\$41,400
E		Hydraulic Crane 40ton/105'			200%	\$101		1072		\$108,183
E E	1914	Wheel Loader Cat 914/1.7cy				\$39.30		536.0		\$21,065
E	•	Compressor, trailer 1200cfm				\$81.69 \$5.57		536.0 I 536.0 I		\$43,785 \$2,988
L	g10	Generator, trailer 10.0kW Compressorman (Grp 5)				\$5.57 \$74.91		536.0		\$2,900 \$40,152
E	lp6	Light Plant/Genset, 6kW, 4/10	0000		3	\$8.60		1608		\$13,833
S		Muck disposal	12080 lcy		3	\$45.00		12080 1		\$543,591
0	HIUCK	Wuck disposal	Soil Nail Crew			φ45.00	/iCy	12000 1	Су	ψ545,591
L	lfm	Labor FM	Con Han Cron			\$59.48	/mhr	536.0 (	mhr	\$31,879
L	lab	General Labor (Grp 1)	30.00 day	8.00 mhr/day	6	\$56.77		1440 ו		\$81,748
L	drill	Drill operator (Grp 6)	30.00 day	8.00 mhr/day	2	\$77.24		480.0 ו	nhr	\$37,075
Е	at	Air track 12' feed	,	,	2	\$35.63		1072		\$38,194
Е	ml30	Man-Lift 30' articulated boom			2	\$17.87	/hr	1072	nr	\$19,156
Е	gp	Grout Plant, skid	30.00 day	8.00 hr/day	2	\$16.84	/hr	480.0	٦r	\$8,081
M	sn	Soil nials	232.0 ea	,		\$245	/ea	232.0	ea	\$56,840
M	cs	Cement - sack	232.0 ea			\$17.12	/ea	232.0	ea	\$3,972
			Excavation Crew							
L	lab	General Labor (Grp 1)	28.00 day	8.00 mhr/day	200%	\$56.77	/mhr	448.0 ו	nhr	\$25,433
L	eo3+	Excavator >3.5cy (Grp 8)	28.00 day	8.00 mhr/day	2	\$77.24	/mhr	448.0 ו	nhr	\$34,603
Е	he330	SK330LC Exc 77.8/2.1cy	28.00 day	8.00 hr/day	2	\$138	/hr	448.0	nr	\$61,622
			Shotcrete Crew	•						
L	lab	General Labor (Grp 1)	9.00 day	8.00 mhr/day	6	\$56.77	/mhr	432.0 ו	nhr	\$24,524
Ε	sp2	Shotcrete pot Aliva, 2cy/hr	9.00 day	8.00 hr/day	2	\$33.89	/hr	144.0 I	nr	\$4,881
M	shcrt	Shotcrete	119.0 cy			\$210	/cy	119.0	су	\$24,990



Project Mt Comfort Road **Dual Underpass Construction - 10% Estimate** 

Client Town of McCordsville, IN

Job No. Estimator 6183.1 RLR/BM

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No.	Item De	scription		Item Quantity/Unit	Proc	duction rate	Other	fixed time		Total time
037	Mt Co	mfort Road - Excavate & Sup	port SB Wall 1	1 LS			34	days	34	work days
		manhours <b>3,968</b>	Labor <b>\$258,523</b>	Equipment <b>\$172,122</b>		Material <b>\$47,358</b>		Subcontract \$232,389		Item Cost <b>\$710,391</b>
		Status (Additive)		Work schedule			Oth	er ST pay	Ot	ner OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day		day/week	0	hr/shift	0	hr/shift
		Soil nail & shotcrete installation	n - Two crews NB			crews	_			
		Excavation per level		1148 bcy		cy/day		days	_	
		Install soil nails per level		32 ea		ea/day		days	2	crews
		Shotcrete per level		16 cy 3 ea	2	cy/hr	1	days		
		Number of levels Total duration		s ea			24	days		
		Additional Time to Break into	Dit					days		
		Total Duration	ı ıt					days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Un		Resource Qu	antity	Resource Cost
M	sts	Small tools and supplies	<b>,</b>			\$3.00		3968 ו		\$11,904
			Support Crew							
L	lfm	Labor FM				\$59.48	/mhr	272.0 ו	mhr	\$16,177
L	lab	General Labor (Grp 1)			2	\$56.77	/mhr	544.0 ו	mhr	\$30,883
L	flag	Flagman (Grp 1)				\$56.77	/mhr	272.0 ו	mhr	\$15,441
L	c45-	Crane oper. <45t (Grp 9)			2	\$77.24		544.0 ו		\$42,018
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24		272.0 ו		\$21,009
Е		Hydraulic Crane 40ton/105'			2	\$101		544.0 I		\$54,899
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30		272.0		\$10,690
E	•	Compressor, trailer 1200cfm				\$81.69		272.0		\$22,219
E	g10	Generator, trailer 10.0kW				\$5.57		272.0		\$1,516
L	•	Compressorman (Grp 5)	000147		2	\$74.91		272.0		\$20,376
E S	lp6	Light Plant/Genset, 6kW, 4/10			3	\$8.60		816.0		\$7,020
3	muck	Muck disposal	5164 lcy Soil Nail Crew			\$45.00	/iCy	5164	Су	\$232,389
L	lfm	Labor FM	3011 Ivali Crew			\$59.48	/mhr	272.0 ו	mhr	\$16,177
Ĺ	lab	General Labor (Grp 1)	12.00 day	8.00 mhr/day	6	\$56.77		576.0 1		\$32,699
Ĺ	drill	Drill operator (Grp 6)	12.00 day	8.00 mhr/day	2	\$77.24		192.0 1		\$14,830
E	at	Air track 12' feed	.2.00 aay	0.00,,	2	\$35.63		544.0 1		\$19,382
E		Man-Lift 30' articulated boom			2	\$17.87		544.0		\$9,721
E	gp	Grout Plant, skid	12.00 day	8.00 hr/day	2	\$16.84	/hr	192.0	nr	\$3,233
M	sn	Soil nials	96.00 ea	Ť		\$245	/ea	96.00	ea	\$23,520
M	CS	Cement - sack	96.00 ea			\$17.12	/ea	96.00	ea	\$1,644
			Excavation Crew							
L	lab	General Labor (Grp 1)	19.00 day	8.00 mhr/day	200%	\$56.77	/mhr	304.0 ו	mhr	\$17,258
L	eo3+	Excavator >3.5cy (Grp 8)	19.00 day	8.00 mhr/day	2	\$77.24	/mhr	304.0 ı	mhr	\$23,481
E	he330	SK330LC Exc 77.8/2.1cy	19.00 day	8.00 hr/day	2	\$138	/hr	304.0	٦r	\$41,815
			Shotcrete Crew							
L	lab	General Labor (Grp 1)	3.00 day	8.00 mhr/day	6	\$56.77		144.0 ו		\$8,175
E	sp2	Shotcrete pot Aliva, 2cy/hr	3.00 day	8.00 hr/day	2	\$33.89		48.00		\$1,627
M	shcrt	Shotcrete	49.00 cy			\$210	/cy	49.00	су	\$10,290

No.	Item De	escription			Item Quantity/Unit	Production rate	Other fixed time	Total time
038	Mt Co	mfort Road - Final W	all Facin	g SB Wall 2	1 LS		26 days	26 work days
			manhours 5,408	Labor <b>\$381,675</b>	Equipment <b>\$104,095</b>	Material <b>\$321,166</b>	Subcontract \$0	Item Cost <b>\$806,936</b>
		Status (Additive)			Work schedule		Other ST pay	Other OT pay
	1.000	Schedule factor (Normal)		8 hr/shift	1 shift/day	5 day/week	0 hr/shift	0 hr/shift
		Final wall facing						
		Install reinforcement		22980 lb	150 lb/mhr	56 mhr/day	3	
		Set / strip wall forms		12700 sf	16 sf/mhr	72 mhr/day	12	
		Concrete pours		6 ea	1 ea/day		6	
		Place aggregate bas	e	1350 ton			2	
		Slope stability					3	
		Total duration					26	



Project Mt Comfort Road **Dual Underpass Construction - 10% Estimate**  Client Town of McCordsville, IN

Job No. Estimator 6183.1 RLR/BM

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R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Unit Cost	Resource Quantity	Resource Cost
М	sts	Small tools and supplies				\$3.00 /mhr	5408 mhr	\$16,224
			Support Crew					
L	lfm	Labor FM				\$59.48 /mhr	208.0 mhr	\$12,371
L	lab	General Labor (Grp 1)			2	\$56.77 /mhr	416.0 mhr	\$23,616
L	flag	Flagman (Grp 1)				\$56.77 /mhr	208.0 mhr	\$11,808
L	c45-	Crane oper. <45t (Grp 9)				\$77.24 /mhr	208.0 mhr	\$16,066
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24 /mhr	208.0 mhr	\$16,066
E	hc40	Hydraulic Crane 40ton/105'				\$101 /hr	208.0 hr	\$20,991
E	1914	Wheel Loader Cat 914/1.7cy				\$39.30 /hr	208.0 hr	\$8,174
E	cp12	Compressor, trailer 1200cfm				\$81.69 /hr	208.0 hr	\$16,991
E	g10	Generator, trailer 10.0kW				\$5.57 /hr	208.0 hr	\$1,160
L	comp	Compressorman (Grp 5)				\$74.91 /mhr	208.0 mhr	\$15,581
E	lp6	Light Plant/Genset, 6kW, 4/10	W000		3	\$8.60 /hr	624.0 hr	\$5,368
E	p205	Pump, trash 205gpm/100ft he	ad			\$2.86 /hr	208.0 hr	\$596
			Structure Crew					
L	lfm	Labor FM				\$59.48 /mhr	208.0 mhr	\$12,371
L	lab	General Labor (Grp 1)				\$56.77 /mhr	208.0 mhr	\$11,808
L	cfm	Carpenter FM			1	\$74.31 /mhr	208.0 mhr	\$15,456
L	cjm	Carpenter JM			8	\$71.60 /mhr	1664 mhr	\$119,143
L	ifm	Ironworker FM			1	\$79.11 /mhr	208.0 mhr	\$16,455
L	ijm	Ironworker JM			6	\$76.40 /mhr	1248 mhr	\$95,352
L		Concrete equip.oper. (Grp 2)				\$74.91 /mhr	208.0 mhr	\$15,581
E		Conc. Pump, truck 130cy/hr				\$192 /hr	208.0 hr	\$39,921
E	vib	Concrete vibrators			600%	\$2.77 /hr	1248 hr	\$3,461
M	lumb	Lumber for lagging/forms	12700 sf	1.50 bf/sf		\$4.98 /bf	19050 bf	\$94,783
M	ply1	Plywood MDO 1"	12700 sf			\$2.86 /sf	12700 sf	\$36,283
M	ff	Form fasteners	12700 sf			\$0.43 /sf	12700 sf	\$5,436
M	foil	Form oil	12700 sf			\$0.16 /sf	12700 sf	\$2,038
M	cure	Curing compound	12700 sf			\$0.11 /sf	12700 sf	\$1,359
M	xf	Misc form supplies	12700 sf			\$0.43 /sf	12700 sf	\$5,436
M	rp	Reinforcing steel, plain	22980 lb			\$1.10 /lb	22980 lb	\$25,278
E		Man-Lift 30' articulated boom			2	\$17.87 /hr	416.0 hr	\$7,434
M	c5	Concrete, 5000psi mix	383.0 cy			\$210 /cy	383.0 cy	\$80,430
M	aggc	Coarse aggregate	1350 ton			\$32.00 /ton	1350 ton	\$43,200
			Slope Stability Man	terial				
M	xmisc	Miscellaneous material	10.00 lot			\$1,070 /lot	10.00 lot	\$10,700

No.	Item De	escription	·	Item Quantity/Unit	Prod	luction rate	Other	fixed time		Total time
039	Mt Co	mfort Road - Final Wall Facir	ng SB Wall 1	1 LS			20	days	20	work days
		manhours <b>4,160</b>	Labor <b>\$293,596</b>	Equipment \$80,073		Material <b>\$213,830</b>		Subcontract \$0		Item Cost <b>\$587,499</b>
		Status (Additive)		Work schedule			Oth	er ST pay	Oth	ner OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0	hr/shift	0	hr/shift
		Final wall facing Install reinforcement Set / strip wall forms Concrete pours Place aggregate base Slope stability Total duration	14640 lb 7000 sf 6 ea 1350 ton	150 lb/mhr 16 sf/mhr 1 ea/day		mhr/day mhr/day	2 7 6 2 3 20			
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur	nit Cost	Resource Q	uantity	Resource Cost
M	sts	Small tools and supplies	Support Crew			\$3.00	/mhr	4160	mhr	\$12,480
L	lfm	Labor FM				\$59.48	/mhr	160.0	mhr	\$9,516
L	lab	General Labor (Grp 1)			2	\$56.77	/mhr	320.0	mhr	\$18,166
L	flag	Flagman (Grp 1)				\$56.77	/mhr	160.0	mhr	\$9,083
L	c45-	Crane oper. <45t (Grp 9)				\$77.24	/mhr	160.0	mhr	\$12,358
L	lo4+	Loader oper. >4cy (Grp 10)				\$77.24	/mhr	160.0	mhr	\$12,358
Е	hc40	Hydraulic Crane 40ton/105'				\$101	/hr	160.0	hr	\$16,147



	Comfor	t Road rpass Construction - 10% Es	7	Client Fown of McCordsvil	le, IN		Job No.		Rev 0	Computed on 2/20/2025 1:48 PM
			D	IRECT COST DETA	IL					
Е	1914	Wheel Loader Cat 914/1.7cy				\$39.30	/hr	160.0	hr	\$6,288
Ε	cp12	Compressor, trailer 1200cfm				\$81.69	/hr	160.0	hr	\$13,070
Ε	g10	Generator, trailer 10.0kW				\$5.57	/hr	160.0	hr	\$892
L	comp	Compressorman (Grp 5)				\$74.91	/mhr	160.0	mhr	\$11,986
E	lp6	Light Plant/Genset, 6kW, 4/10	W000		3	\$8.60	/hr	480.0	hr	\$4,129
E	p205	Pump, trash 205gpm/100ft he	ad			\$2.86	/hr	160.0	hr	\$458
			Structure Crew							
L	lfm	Labor FM				\$59.48	/mhr	160.0		\$9,516
L	lab	General Labor (Grp 1)				\$56.77		160.0		\$9,083
L	cfm	Carpenter FM			1		/mhr	160.0	mhr	\$11,889
L	cjm	Carpenter JM			8			1280	mhr	\$91,649
L	ifm	Ironworker FM			1			160.0		\$12,658
L	ijm	Ironworker JM			6	\$76.40		960.0		\$73,348
L		Concrete equip.oper. (Grp 2)				\$74.91		160.0		\$11,986
E	cb130	Conc. Pump, truck 130cy/hr				\$192		160.0		\$30,709
E	vib	Concrete vibrators			600%	\$2.77		960.0		\$2,662
M		Lumber for lagging/forms	7000 sf	1.50 bf/sf		\$4.98		10500		\$52,243
M	ply1	Plywood MDO 1"	7000 sf			\$2.86		7000		\$19,998
M	ff	Form fasteners	7000 sf			\$0.43		7000		\$2,996
M	foil	Form oil	7000 sf			\$0.16		7000		\$1,124
M	cure	Curing compound	7000 sf			\$0.11	/sf	7000	sf	\$749
M	xf	Misc form supplies	7000 sf			\$0.43	/sf	7000	sf	\$2,996
M	rp	Reinforcing steel, plain	14640 lb			\$1.10	/lb	14640	lb	\$16,104
E	ml30	Man-Lift 30' articulated boom			2	\$17.87	/hr	320.0	hr	\$5,718
M	c5	Concrete, 5000psi mix	244.0 cy			\$210	/cy	244.0	су	\$51,240
M	aggc	Coarse aggregate	1350 ton			\$32.00	/ton	1350	ton	\$43,200
			Slope Stability Ma	terial						
M	xmisc	Miscellaneous material	10.00 lot			\$1,070	/lot	10.00	lot	\$10,700
No.	Item De	·		Item Quantity/Unit	Pro	duction rate		er fixed time		Total time
040	Mt Co	mfort Rd - NB Roadway Con		1 LS			8	0 days	80	work days
		manhours	Labor	Equipment		Material		Subcontract		Item Cost
		0	\$0	\$0		\$0		\$3,221,600		\$3,221,600
	4 000	Status (Additive)	0 1 / . 1 .: 64	Work schedule	_	.1/1.		ther ST pay		ner OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day		day/week days		0 hr/shift	0	hr/shift
R/T	Code	Construct roadway North & Son Resource Description	Resource Qty/Unit	Production rate	Factor	•	nit Cont	Resource Q	uontity.	Resource Cost
TV/ I	Code	Resource Description	Roadway Constru		Гасци	Resource Of	III COSI	Nesource Q	uarility	Resource Cost
s	roadN	NB Roadway Construction	Roddway Constru	Clion		\$2,721,600	/I S	1.00	LS	\$2,721,600
3	Ioauiv	ND Roadway Constituction	Streetscape & Aes	static Faaturas		Ψ2,721,000	/LO	1.00	LO	Ψ2,721,000
S	land	Streetscaping	1.00 LS	sielic i ealures		\$500,000	/1.5	1.00	LS	\$500,000
J	iaiiu	Streetscaping	1.00 LS			ψ300,000	/LO	1.00	LO	ψ300,000
No.	Item De	scription		Item Quantity/Unit	Pro	duction rate	Oth	er fixed time		Total time
		mfort Rd - Broadway Int. Roa	adway	1 LS	110	duction rate		0 days	40	work days
•		manhours	-	Equipment		Material		Subcontract		Item Cost
		0	\$0	\$0		\$0		\$2,023,200		\$2,023,200
		Status (Additive)	, ·	Work schedule		,		ther ST pay	Otl	ner OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week		0 hr/shift		hr/shift
		Construct roadway at Broadway				days			·	
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	,	nit Cost	Resource Q	uantity	Resource Cost
		·	Roadway Constru				·			
S	roadB	Broadway Roadway Construc	•			\$1,523,200	/LS	1.00	LS	\$1,523,200
			Streetscape & Aes	stetic Features		,				
S	land	Streetscaping	1.00 LS			\$500,000	/LS	1.00	LS	\$500,000



Project Client Job No. Estimator Rev Computed on Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM 0 2/20/2025

Dual Underpass Construction - 10% Estimate 1:48 PM

# DIRECT COST DETAIL

No.	Item De	scription		Item Quantity/Unit	Pro	duction rate	Other fixed time	Total time
		mfort Rd - SB Roadway Con	struction	1 LS			70 days	70 work days
		manhours 0	Labor	Equipment \$0		Material <b>\$0</b>	Subcontract <b>\$1,860,800</b>	Item Cost <b>\$1,860,800</b>
		Status (Additive)		Work schedule			Other ST pay	Other OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0 hr/shift	0 hr/shift
		Construct roadway North & So	outh of South Bour	nd Underpass	70	days		
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur	nit Cost Resource Q	uantity Resource Cost
S	roadS	SB Roadway Construction	Roadway Constru Streetscape & Ae			\$1,360,800	/LS 1.00	LS \$1,360,800
S	land	Streetscaping	1.00 LS	sicilo i catares		\$500,000	/LS 1.00	LS \$500,000
No.	Item De	scription		Item Quantity/Unit	Pro	duction rate	Other fixed time	Total time
043	Mt Co	mfort Rd - Install Pump Stati	on	1 LS			50 days	50 work days
		manhours	Labor	Equipment		Material	Subcontract	Item Cost
		0	\$0	\$0		\$0	\$1,200,000	\$1,200,000
		Status (Additive)		Work schedule			Other ST pay	Other OT pay
	1.000	Schedule factor (Normal)	8 hr/shift	1 shift/day	5	day/week	0 hr/shift	0 hr/shift
		Install pump station	3 ea	50 days				
R/T	Code	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Ur	nit Cost Resource Q	uantity Resource Cost
S	psta	Pump Station	Pump Station Sub 3.00 LS	ocontractor		\$400,000	/LS 3.00	LS \$1,200,000



Project Client Job No. Estimator Computed on Rev Mt Comfort Road 2/20/2025 Town of McCordsville, IN 6183.1 RLR/BM 0 1:48 PM

**Dual Underpass Construction - 10% Estimate** 

### **INDIRECT COST DETAIL**

No.	Item Description		4.00-04	Item Quantity/Unit						
044	Equipment Ownership not in Di  Equipment spread to Dire \$2,164.5	ects	Labor	LS Equipment \$22,500		Material <b>\$12,500</b>		Subcontract		Item Cos \$35,000
Notes	. , ,		Ų.	<b>422,000</b>	Pavr	ment via Equipm	ent Mohiliz			\$0
	rce Code: <u>F</u> leet, <u>P</u> urchase, <u>M</u> obilization pa	v iter	n or Rental/lease	Fleet Equi	-	Purchased Ed		Fleet + Pur	chase	Rental
	nership cost/hr is based on actual equipmen	-	<del>-</del>	Value	W/O	Value	W/O	Value	W/O	Amount
	ation-factored single-shift rate of 173 hours.			\$5,575K		\$0K	**/**	\$5,575K	39%	\$0K
utiliz	-		iui.	Unit Purchase cost, Unit	0070	Unit Freight &	Frection	ψο,στοιτ	0070	Project Cost
	Resource Description	Code	Number of Units	Book value, or Rental	Project	(carried in Mob		Ownership	Equip.	excluding
R/T	Resource Description	ပိ	or Rental Period	Rate per period	Write off	Freight in/out	E/D mhr	Cost/hr	mos	freight/erection
M	Sales Tax			\$0	7.0%	on purchase	s/rentals			
Majo	or Equipment: \$2,164,523									
Ε	320 Excavator 43.8k/1.5cy	F	2 ea	\$223,150	40%	\$2,000	16	\$154	1.9	in directs
Ε	SK330LC Exc 77.8/2.1cy	F	2 ea	\$351,945	40%	\$2,000	16	\$77.18	18.8	in directs
Ε	Wheel Loader Cat 914/1.7cy	F	2 ea	\$120,000	40%	\$2,000	16	\$11.88	33.0	in directs
Ε	Hydraulic Crane 40ton/105'	F	2 ea	\$439,507	40%	\$4,000		\$32.27	51.4	in directs
Ε	Crawler Crane 100ton/200'	F	1 ea	\$1,303,969	40%	\$2,000		\$380	2.7	in directs
Е	Conc. vibrator, internal, 1.75"	F	6 ea	\$1,191	90%	\$200		\$16.08	1.8	in directs
Е	Shotcrete pot Aliva, 2cy/hr	F	2 ea	\$25,000	40%			\$26.60	4.0	in directs
Ε	Conc. Pump, truck 130cy/hr	F	1 ea	\$324,346	40%			\$118	5.9	in directs
Е	Compressor, trailer 1200cfm	F	2 ea	\$133,173	40%	\$2,000		\$14.94	32.3	in directs
Е	Generator, trailer 10.0kW	F	2 ea	\$9,884	60%	\$400		\$1.66		in directs
E	Light Plant/Genset, 6kW, 4/1000V		6 ea	\$12,491	60%	\$200		\$2.11	96.6	in directs
E	Welder 400A. trailer E	F	3 ea	\$3,128	60%	\$400		\$23.46	1.1	in directs
E	Water Treatment Plant	F	1 ea	\$350,000	45%	\$2,000	24	\$70.56	6.6	in directs
E	Pump, trash 205gpm/100ft head	F	2 ea	\$1,486	85%	\$400		\$0.86	10.8	in directs
E	Man-Lift 30' articulated boom	F	1 ea	\$43,590	40%	\$400		\$1.64	54.9	in directs
Ē	Concrete vibrators	F	3 ea	\$2,000		Ψ+00		\$0.63		in directs
E	Grout Plant, skid	F	1 ea	\$57,500	35%	\$400		\$6.84	15.2	in directs
E	Air track 12' feed	F	1 ea	\$220,000	45%	Ψ+00		\$13.63		in directs
E	Cutting shield steering jacks	F	1 ea	\$250,000	25%	\$2,000		\$49.14	2.2	in directs
E	Thrust jack & frame	F	1 ea	\$180,000	25%	\$2,000		\$39.06	1.6	in directs
	eral Plant: \$22,500	Г	ı <del>c</del> a	φ100,000	23 /0	φ2,000		φ39.00	1.0	iii dii ecis
E	Mechanic's Truck	F	2 ea	\$25,000	25%			\$0.99	73.0	\$12,500
		F								
E	Pickup Truck	Г	1 ea	\$40,000	25%			\$1.58	36.5	\$10,000
	er Plant: \$12,500	_	4.1.0	<b>#</b> F0.000	050/	<b>#200</b>	0			¢40.500
M	Survey Equipment	F	1 LS	\$50,000	25%	\$200	8			\$12,500
No.	Item Description			Item Quantity/Unit		Mob/demob	paid as sch	neduled. Bond	d paid at l	NTP.
045	General Mobilization			1.0 mo						
	manhours <b>728</b>		Labor <b>\$36,350</b>	Equipment <b>\$14,804</b>		Material <b>\$426,035</b>		Subcontract \$0		Item Cost \$477,189
			, ,	Work schedule		, ,,,,,,,	Oth	er ST pay	Oth	er OT pay
\$97	188 excluding adjustments		8 hr/shift	1 shift/day	5	day/week		hr/shift		hr/shift
R/T	Resource Description		Resource Qty/Unit	Production rate	Factor	Resource Ui		Resource C		Resource Cost
M	sts Small tools and supplies		resource Qty/Onit	Troduction rate	i actor	\$3.00			mhr	\$2,184
M	Freight-see equipment ownership		50% of total (	balance in Demobiliz	ation)			f equip. cos		\$19,100
L	Erection-see equipment ownershi		128 mhr	Dalarice III Delliobiliz	auon	\$35.55	. `		mhr	\$4,550
M	• •			ves not in Conoral M	obilizati		LS	120		\$380,001
	Transfer from cost item 050 Bond Field office trailer	ع, II			opinzali			400	of	
M			1 bldg	400 sf/bldg		\$20.00		400		\$8,000
M	Field office furniture		1 bldg			\$1,750	_		bldg	\$1,750
M	Field office computer / printers		1 bldg	450		\$5,000	_		bldg	\$5,000
L	Labor all office setups		1 bldg	150 mhr/bldg	4				mhr	\$31,800
	Launment all effice ceture		2 bldg	50 hr/bldg	2	\$74.02	/hr	200	nr	\$14,804
E M	Equipment all office setups Project signs		1 ea	30 m/blug		\$10,000			ea	\$10,000



Project Client Job No. Estimator Computed on Rev Mt Comfort Road 2/20/2025 Town of McCordsville, IN 6183.1 RLR/BM 0 1:48 PM

**Dual Underpass Construction - 10% Estimate** 

# INDIRECT COST DETAIL

No. <b>046</b>	Item Description  Demobilization/Punchlist			Item Quantity/Unit 1.0 mo		Mob/demob	paid as so	cheduled. Bond p	oaid at N⁻	ΓР.
	man	hours <b>692</b>	Labor <b>\$36,676</b>	Equipment <b>\$25,611</b>		Material <b>\$33,551</b>		Subcontract <b>\$0</b>		Item Cost <b>\$95,838</b>
				Work schedule	_			ther ST pay		OT pay
			8 hr/shift	1 shift/day		day/week		) hr/shift		r/shift
R/T	Resource Description		Resource Qty/Unit	Production rate	Factor	Resource U		Resource Qua	-	Resource Cost
M	sts Small tools and suppl		E00/ of total /	halanaa in Mahilizatia	nn)	\$3.00 \$38,200		692 n	IIIII	\$2,076 \$19,100
M	Freight-see equipment owner	ersnip	50% of total (	balance in Mobilization	,			602 =	abr	
L	Demobilization labor				4	\$53.00		692 n		\$36,676
E	Demobilization equipment		4.1.0		2	\$74.02		346 h		\$25,611
М	Demobilization material		1 LS		0.5	\$24,750	/LS	0.5 L	.5	\$12,375
No.	Item Description	a intanar		Item Quantity/Unit		The duration is f	rom the e	end of mob to the	start of d	lemob.
047	General Plant Operation/M			36.5 mo				0.1		
	man	hours	Labor	Equipment		Material		Subcontract		Item Cost
	0	0	<b>\$0</b>	\$0		\$103,915		\$7,300		\$111,215
	Ü	.000	\$0.00	\$0.00		\$2,846.99	_	\$200.00		\$3,046.99
			0 1-1-1-19	Work schedule		d = 1 / 1 / 1 / 1 / 1		ther ST pay		OT pay
			8 hr/shift	1 shift/day		day/week		) hr/shift		r/shift
R/T	Resource Description		Resource Qty/Unit	Production rate	Factor	Resource U		Resource Qua		Resource Cost
M	Power costs not in equipmer	nt rates				\$1,000		36.5 n		\$36,500
M	Cell phones / radio fees			4 umo/mo		\$90.00		146 u		\$13,140
M	Drinking water supplies					\$150		36.5 n		\$5,475
M	Fire protection Supplies					\$100		36.5 n		\$3,650
M	First aid supplies					\$150		36.5 n		\$5,475
S	Job sanitary system mainten	ance				\$100		36.5 n		\$3,650
S	Office cleaning					\$100		36.5 n		\$3,650
M	Office supplies					\$100	/mo	36.5 n	no	\$3,650
M	Health & Safety program					\$100	/mo	36.5 n	no	\$3,650
M	Personal protective equipme	ent	1 LS			\$5,000	/LS	1 L		\$5,000
M	Job light / power supplies					\$500	/mo	36.5 n	no	\$18,250
М	Fuel / lube facility					\$250	/mo	36.5 n	no	\$9,125
No.	Item Description			Item Quantity/Unit		The duration	n is from	NTP to project co	ompletion	٦.
048	Field Supervision			38.5 mo						
	ma	an-months	Labor	Equipment		Material		Subcontract		Item Cost
		424	\$5,085,651	\$0		\$0		\$0		\$5,085,651
		11.006	\$132,094.82	\$0.00		\$0.00		\$0.00		\$132,094.82
_					ea		vmo	Relocations	2 e	a
	the 'Resources' sheet for an and 'V?' codes denote if reloc								)49.	
	34.25 Major work									
R/T	Class Resource Description	R? V?	Personnel	Duration	Factor	Resource U		Resource Qua	antity	Resource Cost
L	- Labor burden for pers			sources sneet				ed average		\$1,263,588
L	KP Project Manager	ΥΥ	1 ea			\$13,000		38.5 n		\$500,500
L	KP Project Engineer	Y	1 ea	0.4.0		\$10,000		38.5 n		\$385,000
L	EP Safety Manager	Υ	1 ea	34.3 mmo/ea		\$10,000		34.25 n		\$342,500
L	EP Field Engineer		3 ea	34.3 mmo/ea		\$6,000		102.75 n		\$616,500
L	KP Gen Superintendent	ΥY	1 ea			\$12,000		38.5 n		\$462,000
L	EP Party Chief		1 ea	34.3 mmo/ea		\$10,000		34.25 n		\$342,500
L	NL Instrument Man		1 ea	34.3 mmo/ea		\$9,250		34.25 n		\$316,813
L	EP Scheduling Engineer		1 ea	34.3 mmo/ea		\$6,000		34.25 n		\$205,500
L	EP Busniess Manager		1 ea	34.3 mmo/ea		\$8,000		34.25 n		\$274,000
L	KP Field Superindendent	t Y	1 ea	34.3 mmo/ea		\$11,000	/mmo	34.25 n	nmo	\$376,750
No.	Item Description			Item Quantity/Unit		The duration	n is from	NTP to project co	ompletion	٦.
049	Overhead Maintenance/Se	rvice		38.5 mo						
			Labor	Equipment		Material		Subcontract		Item Cost
			\$0	\$165,600		\$199,620		\$0		\$365,220
			\$0.00	\$0.00		\$5,184.92		\$0.00		\$9,486.22



Project Client Job No. Estimator Rev Computed on Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM 0 2/20/2025 **Dual Underpass Construction - 10% Estimate** 1:48 PM

### INDIRECT COST DETAIL

	INDIRECT COST DETAIL										
R/T	Resource Description	Resource Qty/Unit	Production rate	Factor	Resource Unit Cost	Resource Quantity	Resource Cost				
M	Payroll processing, wage labor	725 mmo	4.33 chk/mmo		\$5.50 /chk	3141 chk	\$17,276				
M	Payroll processing, salary labo	r 424 mmo	2 chk/mmo		\$5.50 /chk	848 chk	\$4,664				
M	Drug tests	30 test			\$500 /test	30 test	\$15,000				
M	Relocation expenses	2 move	2 ea/move		\$5,000 /ea	4 ea	\$20,000				
M	Temporary living, salary labor	2 move	2 mo/move		\$12,520 /mo	4 mo	\$50,080				
Ε	Supervisory vehicle O&M	184 vmo			\$900 /vmo	184 vmo	\$165,600				
M	Submittal preparation support	2 mo			\$5,000 /mo	2 mo	\$10,000				
M	Audit fees	3.2 yr			\$2,000 /yr	3.2 yr	\$6,400				
M	Legal fees	3.2 yr			\$2,000 /yr	3.2 yr	\$6,400				
M	Personnel recruiting	3.2 yr			\$2,000 /yr	3.2 yr	\$6,400				
M	Design department charge	3.2 yr	Home Office Overhea	nd	\$1,000 /yr	3.2 yr	\$3,200				
M	IT/EDP department charge	3.2 yr	items: 0.1% of bid.	au	\$2,000 /yr	3.2 yr	\$6,400				
M	Equipment department charg	je 3.2 yr	items. 0.170 or bid.		\$2,000 /yr	3.2 yr	\$6,400				
M	Accounting department charge	ge 3.2 yr			\$2,000 /yr	3.2 yr	\$6,400				
M	HR department charge	3.2 yr			\$2,000 /yr	3.2 yr	\$6,400				
M	Corporate department charge	e 3.2 yr			\$2,000 /yr	3.2 yr	\$6,400				
M	Job photographs/video				\$200 /mo	38.5 mo	\$7,700				
M	Pre-construction survey	1 LS			\$12,500 /LS	1 LS	\$12,500				
M	Post-construction survey	1 LS			\$8,000 /LS	1 LS	\$8,000				
No.	Item Description		Item Quantity/Unit								
	Bonds, Insurance, and Taxes	not in General	LS								
		Labo	r Equipment	Uncla	assified Material	Subcontract	Item Cost				
\$1.2	284,882 excluding adjustments	\$0			\$904,881	\$0	\$904,881				
	ns which are specified to be paid	, ,	* -	ere and		* -	<del>*************************************</del>				
	is of contractor's equipment insu										
		Xfer to	***************************************								
R/T	Resource Description	Mob? Resource Qty/Unit	Production rate	Factor	Resource Unit Cost	Resource Quantity	Resource Cost				
M	Credit for items specified to be	transferred to cost iter	n 045, General Mobiliz	ation	LS		-\$380,001				
M	Performance bond Y \$47.5 M une		scalated bid		\$8.00 /K Bid	\$47,500 K bid	\$380,001				
M	Builder's risk	\$47.5 M cost	3.3 yr		\$3.00 /K-yr	\$156,750 K-yr	\$470,251				
M	Automobile/pickup insurance	184.0 vmo			\$70.00 /vmo	184 vmo	\$12,880				
M	Excess liability umbrella	1 LS			\$250,000 /LS	1 LS	\$250,000				
M	Incident deductibles	1 LS	1 LS			\$150,000 /LS 1 LS \$15					

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M	Credit for items specified to be	transf	erred to cost item	045, Gene	eral Mobiliz	zation		LS		-\$380,001
M	Performance bond	Υ	\$47.5 M unesc	alated bid			\$8.00	/K Bid	\$47,500 K bid	\$380,001
M	Builder's risk		\$47.5 M cost	3.3	yr		\$3.00	/K-yr	\$156,750 K-yr	\$470,251
M	Automobile/pickup insurance		184.0 vmo				\$70.00	/vmo	184 vmo	\$12,880
M	Excess liability umbrella		1 LS				\$250,000	/LS	1 LS	\$250,000
M	Incident deductibles		1 LS				\$150,000	/LS	1 LS	\$150,000
M	State/Local business tax		1 LS				\$5,000	/LS	1 LS	\$5,000
M	Permits and licenses		1 LS				\$10,000	/LS	1 LS	\$10,000
M	Personal property tax		1 yr	\$1,000	k/yr	0.45	\$15.00	/k	450 k	\$6,750
			•		-					

No.	Item Description	Item Quantity/Unit
051	Contractor Markup	19

		Labor		Equipment	Unclassified Material	Subcontract	Item Cost
		\$0		\$0	\$4,573,643	\$0	\$4,573,643
R/T	Resource Description	Resource Quantity	Markup			10.7% of cost	Resource Cost
M	Direct Labor	\$8,887,917	25%			5.2%	\$2,221,979
M	Field Supervision	\$5,085,651	25%			3.0%	\$1,271,413
M	Equipment	\$6,118,984	2%			0.3%	\$122,380
M	Material	\$6,127,594	2%			0.3%	\$122,552
M	Subcontract	\$16,706,385	5%			1.9%	\$835,319

No. Item Description Item Quantity/Unit 16

052	Financing Charges			LS			
			Labor	Equipment	Unclassified Material	Subcontract	Item Cost
	Status (Additive)		\$0	\$0	\$260,827	\$0	\$260,827
	Invoices	Securities ROR	Cost of capital	Progress pa	yments	Retained earnings	
Net	30 days	1.0%	4.25%	30 d	ays 10% reduce	ed to 5% at 75% of ea	rned value

Calculate finance charges on the time elapsed from expenditures to perform the work to revenue received from progress payments.

			Average	Project		
R/T	Description	Resource Quantity	Financing Period	Allocation	Notes	Resource Cost
M	Direct labor payroll/add-ons	\$7,691,710	43 days	100% base	ed on 4 payroll periods/mo	\$39,143
M	Field supervision payroll/add-ons	\$5,085,651	38 days	100% base	ed on 2 payroll periods/mo	\$22,865



	ect Comfort Road al Underpass Construction - 10% Es		Client Town of McCordsvil	Job No <b>6183.</b> ′		Rev 0	Computed on 2/20/2025 1:48 PM					
		IN	IDIRECT COST DET	AIL								
M	Material purchases/tax	\$4,435,915	30 days	100% of	cost items 001-04	19		\$15,737				
M	First retention release	\$1,781,254	25 mo	0% cas	sh; 100% securiti	es; net 3.3% ra	ate	\$103,010				
M	Last retention release	\$593,751	39 mo	0% cas	sh; 100% securiti	ate	\$80,071					
No.	Item Description		Item Quantity/Unit									
053	Contractor Contingency		LS									
		Labor	Equipment	Unclassit	fied Material	Subcontract		Item Cost				
	Status (Additive)	\$0	\$0		\$525,971	\$0		\$525,971				
R/T	Resource Description	Resource Qty/Unit	Production rate		Resource Unit Cost	Resource Qua		Resource Cost				
M	General Conditions / Labor Market	1 LS		0.015 \$3	5,064,739 /LS	0.015 L	S	\$525,971				
No. Item Description Item Quantity/Unit												
054	Escalation-excluded from estimate	e	LS									
	N Status (Non-Additive)	Labor	Equipment		Material	Subcontract		Item Cost				
	Escalation up to June 1, 2027 NTP	\$2,956,070	\$1,294,454		\$950,855	\$3,534,190		\$8,735,570				
	Escalation after NTP	\$543,035	\$208,588		\$225,425	\$906,464		\$1,883,512				
	Total Escalation	\$3,499,105	\$1,503,042	\$1	1,176,280	\$4,440,654		\$10,619,082				
Esc	alation is applied from the base dates	given below to N	TP, and from there is	calculated	to the midpoint of	f each schedul	e act	ivity for				
dire	ct costs and on a yearly basis over the	e project duration t	or indirect costs. The	e average o	composite annual	escalation rat	e is 3	1.3%.				
R/T	Resource Description	Unescalated Cost	Escalation Rate/Year	Compoundi	ng Periods	Base Date		Escalated Cost				
L	Direct Labor	\$8,887,917	3.3%	1 (ar	nnually)	3/25/202		\$2,193,684				
L	Field Supervision	\$5,085,651	3.3%	1 (ar	nnually)	3/25/202		\$1,305,421				
Е	Equipment	\$6,118,984	3.3%	,	nnually)	3/25/202		\$1,503,042				
M	Material (including unclassified)	\$10,701,236	3.3%	4 (qu	uarterly)	3/25/202	1	\$1,176,280				
S	Subcontracts	\$16,706,385	3.3%	1 (ar	nnually)	3/25/202	1	\$4,440,654				
No.	Item Description		Item Quantity/Unit									
055	Owner Contingency		LS									
		Labor <b>\$0</b>	Equipment	Unclassit	fied Material	Subcontract		Item Cost				
	Status (Additive)	\$0	\$16	6,625,100	\$0		\$16,625,100					
C/T	Type of Contingency		Amount		Contingency L			Resource Cost				
Т	Owner contingency		\$47,500,173		35.0% of total			\$16,625,100				



Project Client Job No. Estimator Rev Computed on Mt Comfort Road 6183.1 RLR/BM 2/20/2025 Town of McCordsville, IN 1:48 PM

**Dual Underpass Construction - 10% Estimate** 

DIREC1	DIRECT LABOR								
Basis: F	Prevailing Wage Rates - Hand	cock Cour	nty 1/31/2	2025					
Employer	Insurance Add-ons	Ind. Rate	EMR	Eff. Rate Memo: Estin	nate Total	Employer Payroll Tax Add	d-ons	Tax Rate	Annual Inc. Cap
Worker	Compensation	15.0%		15.0% \$690	0,119	Fed. Social Security	Tax	6.200%	\$137,700
Comme	ercial General Liability	10.0%		10.0% \$460	0,079	Fed. Medicaid Tax		1.450%	
CIGA/Te	errorism/Other Add-ons	1.0%		1.0% \$40	3,008	Fed. Unemployment	Tax	0.600%	\$7,000
						Unemployment Tax		2.900%	\$7,000
Overtime	F	Rate				SDI		0.010%	\$122,909
General	I/Saturday overtime	1.5x							
	Sunday/Holiday overtime					Weighted average:	\$34.00 /	mhr Base+Vac	
•	,	built in ra	tes	\$12	2,486	3 3		mhr Fringes/In	
		Hourly	Hourly	Daily	Ins &	Misc.	Adjusted	· ·	
Code R	Resource/Group Description	Base+Vac	Fringes	Subsistance/Travel	Taxes	Gen'l OT	Rate/mhr	Total mhrs	Total Cost
L	_aborers								
lfm L	∟abor FM	\$30.50	\$17.72		\$10.39	\$0.87	\$59.48	14,048	\$835,519
	General Labor (Grp 1)		\$17.72		\$9.72	,	\$56.77	36,170	\$2,053,346
_	Flagman (Grp 1)	\$28.50	\$17.72		\$9.72	\$0.83	\$56.77	7,244	\$411,237
C	Operating Engineers								
ofm C	Operating Engineer	\$40.55	\$21.80		\$13.77	\$1.12	\$77.24	1,056	\$81,564
c100+ C	Crane oper. >100t (Grp 11)	\$40.55	\$21.80		\$13.77	\$1.12	\$77.24	1,372	\$105,971
c45- C	Crane oper. <45t (Grp 9)	\$40.55	\$21.80		\$13.77	\$1.12	\$77.24	10,656	\$823,054
	Excavator >3.5cy (Grp 8)		\$21.80		\$13.77	\$1.12	\$77.24	3,648	\$281,766
eo3- E	Excavator <3.5cy (Grp 5)	\$40.55	\$21.80		\$13.77	\$1.12	\$77.24	2,212	\$170,852
lo4+ L	₋oader oper. >4cy (Grp 10)	\$40.55	\$21.80		\$13.77	\$1.12	\$77.24	6,924	\$534,800
	₋oader oper. <4cy (Grp 5)		\$21.80		\$13.77	\$1.12	\$77.24	1,156	\$89,288
mw F	HD Mech/Welder (Grp 1)	\$38.83	\$21.80		\$13.19	\$1.09	\$74.91	1,728	\$129,446
conc C	Concrete equip.oper. (Grp 2)	\$38.83	\$21.80		\$13.19	\$1.09	\$74.91	1,100	\$82,402
	Orill operator (Grp 6)	\$40.55	\$21.80		\$13.77	\$1.12	\$77.24	2,944	\$227,390
	Tunnel Labors/Operators								
comp C	Compressorman (Grp 5)	\$38.83	\$21.80		\$13.19	\$1.09	\$74.91	6,964	\$521,679
E	Electricians								
efm E	Electrician FM	\$44.15	\$26.88		\$14.98	\$1.28	\$87.29	40	\$3,492
ejm E	Electrician JM	\$42.15	\$26.88		\$14.31	\$1.25	\$84.59	1,392	\$117,743
C	Carpenters								
cfm C	Carpenter FM	\$36.04	\$24.91		\$12.25	, -	\$74.31	1,580	\$117,405
cjm C	Carpenter JM	\$34.04	\$24.91		\$11.58	\$1.07	\$71.60	10,920	\$781,878
	ronworkers								
ifm II	ronworker FM		\$26.09		\$13.15	\$1.17	\$79.11	1,780	\$140,817
ijm lı	ronworker JM	\$36.70	\$26.09		\$12.48	\$1.14	\$76.40	11,140	\$851,141
lp L	₋abor premium					Overall average	5.1% (	of labor	\$454,100
	obilization Labor \$26.25			\$0.00	\$8.92	* -	\$49.93	728	\$36,350
	Demobilization Labor \$27.87			\$0.00	\$9.47	•	\$53.00	692	\$36,676
Craft La	abor Escalation				, ,	(excluded from estin			
	Total Craft Labor		\$4,	266,408 unesc. pay	roll	125,494 n	nhrs		\$8,887,917



Project Client Job No. Estimator Rev Computed on Mt Comfort Road Town of McCordsville, IN 6183.1 RLR/BM 0 2/20/2025 Dual Underpass Construction - 10% Estimate 1:48 PM

Employer Insurance Add-ons Ir	nd. Rate	Exp. Mod	Eff. Rate	Memo: Es	stimate Total	Employee Benefits		Rate	Applied to cla	ssifications
Workers' Compensation	1.8%		1.8%	\$	68,797	Key empl. bonu	s plan	8.0%	KP	
Commercial Gen'l Liability	5.0%		5.0%	\$1	91,103	Employee medi	cal plan	10.0%	KP, EP, EI	L, NP, NL
						Retirement/Per	sion plan	5.0%	KP, EP, N	P
						Non-exempt sa	laried OT	2.0%	NP, NL	
Employer Payroll Tax Add-ons										
7.9% payroll tax rate based or	\$9,020	0/mmo w	eighted b	ase salar	y.					
			Total							
Field Supervisory Labor Classification		Class	Burden							
Key permanent employee		KP	37.7%							
Exempt permanent employee		EP	29.7%							
Exempt local hire employee		EL	24.7%							
Non-exempt permanent emplo	yee	NP	31.7%							
Non-exempt local hire employe	ee	NL	26.7%							
									Total mmos	Total Cost
Supervisory Salaries									424	\$5,085,651
Supervisory Labor Escalation					\$1	305,421 (exclude	ed from esti	mate)		
Total Supervisory	Labor		\$3,	822,063 (	unesc. payı	oll	424	mmos		\$5,085,651



ProjectClientJob No.EstimatorRevComputed onMt Comfort RoadTown of McCordsville, IN6183.1RLR/BM02/20/2025

**Dual Underpass Construction - 10% Estimate** 

1:48 PM

	PMENT (see Cost Item 044 for	r develo <sub>l</sub>	oment of	hourly	ownership c	,					
В	asis: COE Rates, Year 2024			Unit Cos					neral Plant Mob/	O&M	
	Region 2	Е	lectricity	\$0.20	) /kWh		295,096 kWh			59,019	
	Fuel/Power Factor Normal		Diesel	\$3.67			275,588	gal	\$1,0	11,410	
			Gas	\$2.97	7 /gal		39,068	gal	\$1:	16,031	
		<u>A</u> ir <u>D</u> iesel			Equipment	Parts	Elec/Fuel	Ownership			
Code	Resource/Group Description	Elec Gas	HP/CFM	HPF	Value	Cost/hr	Cost/hr	Cost/hr	Total Cost/hr	Total hrs	Total Cost
	Excavators/Muckers/TBMs										
	0 320 Excavator 43.8k/1.5cy	D	128	65	\$255,000	\$19.77		\$154.43	\$189.90	1,156	\$219,527
he33	O SK330LC Exc 77.8/2.1cy	D	238	65	\$400,000	\$31.17	\$29.20	\$77.18	\$137.55	3,648	\$501,780
	Loaders										
L914	Wheel Loader Cat 914/1.7cy Lift Units	D	89	65	\$150,000	\$16.50	\$10.92	\$11.88	\$39.30	8,080	\$317,544
00100	Crawler Crane 100ton/200'	D	265	40	\$1,100,000	\$70.90	¢20 01	\$380.17	\$471.07	1,372	\$646,312
hc40	Hydraulic Crane 40ton/105'	D	152	65	\$750.000	\$50.00	\$18.65	\$32.27	\$100.92	10,896	\$1,099,592
11040	Concrete Equipment	D	132	03	\$750,000	φ30.00	φ10.03	φυΖ.ΖΙ	\$100.92	10,090	\$1,099,592
vib2	Conc. vibrator, internal, 1.75"	Е	3	65	\$1,250	\$1.11	\$0.30	\$16.08	\$17.48	400	\$6,994
		E	3 7	75	\$25,000	\$6.50	\$0.80	\$26.60	\$33.89	752	\$25,488
sp2	Shotcrete pot Aliva, 2cy/hr	D	7 310	75 50	\$25,000		\$29.26	\$117.94	\$33.69 \$191.93	1,100	\$25,466 \$211,122
CD 130	Conc. Pump, truck 130cy/hr	D	310	50	\$350,000	\$44.73	\$29.20	ф117.94	φ191.93	1,100	<b>ΦΖΙΙ,ΙΖΖ</b>
10	Plant Equipment	_	200	7.5	<b>6400 470</b>	Ф4F 70	<b>ሲ</b> ሮሲ ሲር	<b>C4404</b>	<b>#04.00</b>	7 400	<b>#</b> F00 000
cp12		D	360	75 65	\$133,173	\$15.79	\$50.96 \$2.82	\$14.94	\$81.69	7,132	\$582,603
g10	Generator, trailer 10.0kW	D	23	65	\$9,884	\$1.09		\$1.66	\$5.57	7,132	\$39,759
lp6	Light Plant/Genset, 6kW, 4/10		12	85	\$12,491	\$4.57	\$1.93	\$2.11	\$8.60	21,336	\$183,549
we4	Welder 400A, trailer E	E	35	80	\$3,128	\$0.74	\$4.26	\$23.46	\$28.46	240	\$6,829
wtp	Water Treatment Plant	E	15	90	\$350,000	\$15.00	\$2.05	\$70.56	\$87.62	2,232	\$195,560
p205		Е	10	90	\$1,486	\$0.64	\$1.37	\$0.86	\$2.86	2,952	\$8,454
100	Utility Equipment	_			* 40 = 00	40.40	***	*	4		<b>*</b> * * * * * * * * * * * * * * * * * *
ml30	Man-Lift 30' articulated boom	D	80	65	\$43,590	\$6.42	\$9.81	\$1.64	\$17.87	10,664	\$190,562
vib	Concrete vibrators	E	10	75	\$2,000	\$1.00	\$1.14	\$0.63	\$2.77	9,480	\$26,287
gp	Grout Plant, skid	Α	60	50	\$57,500	\$10.00		\$6.84	\$16.84	2,944	\$49,565
at	Air track 12' feed	Α	900	80	\$220,000	\$22.00		\$13.63	\$35.63	7,264	\$258,808
cssj	Cutting shield steering jacks	E	10	70	\$250,000		\$1.06	\$49.14	\$640.20	1,272	\$814,333
tjack	Thrust jack & frame				\$180,000			\$39.06	\$439.06	1,152	\$505,800
Equip	ment Ownership (excludes \$2,1	164,523 d	componar	it sprea	nd to Direct Co	osts)					\$22,500
Mobil	ization Equipment									200	\$14,804
Demo	bilization Equipment									346	\$25,611
Overl	nead Maintenance/Service Equi	pment								6,182	\$165,600
Equip	ment Escalation				\$1	,503,042	(excluded from estimate)				
					Total Eq	uipment		107,932	hrs		\$6,118,984



Project Client Job No. Estimator Rev Computed on Mt Comfort Road 6183.1 RLR/BM 2/20/2025 Town of McCordsville, IN 1:48 PM

**Dual Underpass Construction - 10% Estimate** 

MATE	ERIALS						
Codo	D	1 lmit O = +/N4 = = + + + + + + + + + + + + + + + + +	N-4	Add Tax (-/N)?	Unit Cost	Total Quantity	Total Cost
Code	Resource/Group Description  Add-ons	Unit Cost/Measure	Notes	(-/N)?	F.O.B Job	otal Quantity	Total Cost
tov	Sales Tax	7.000%	Memo: Tax on Material	\$81,844			
tax	Sales Tax			\$61,644 \$0			
sts	Small tools and supplies	ana Equ \$3.00 mhr	uipment Purchases/Rentals (5.3% of raw direct labo		\$3.00	125,494	\$376,482
	Coarse aggregate	\$32.00 ton	(3.3 % of faw difect labo	n n	\$32.00	5,400	\$172,800
aggc c3	Concrete, 3000psi mix	\$200.00 cy		n	\$200.00	3,400	\$74,000
c4	Concrete, 4000psi mix	\$200.00 cy		n	\$200.00	740	\$153,180
c5	Concrete, 5000psi mix	\$207.00 cy		n	\$207.00	3,485	\$731,745
XC	Concrete consumables	\$10.00 cy		11	\$10.00	3,364	\$35,989
lumb	Lumber for lagging/forms	\$4.65 bf			\$4.98	103,275	\$513,845
ply1	Plywood MDO 1"	\$2.67 sf			\$2.86	68,850	\$196,698
ff	Form fasteners	\$2.07 SI \$0.40 sf			\$2.00 \$0.43	68,850	\$29,468
foil	Form oil	\$0.40 si \$0.15 sf			\$0.43 \$0.16	68,850	\$11,050
cure		\$0.10 sf			\$0.10 \$0.11	68,850	\$7,367
xf	Curing compound Misc form supplies	\$0.40 sf			\$0.11	68,850	\$29,468
	• •	\$0.40 SI \$1.10 lb			\$0.43 \$1.10	433,080	. ,
rp	Reinforcing steel, plain	\$1.10 lb		n	\$1.10 \$0.20	,	\$476,388
Xr	Reinforcing steel mat'l	\$0.20 lb	Cladina Ctaal	n		359,220	\$71,844
stl12		\$2.00 ID	Skyline Steel		\$2.14	115,200	\$246,528
	Miscellaneous	040.00			<b>#47.40</b>	000	<b>#45.050</b>
CS	Cement - sack	\$16.00 ea			\$17.12	926	\$15,853
mot	Maintenace of traffic mat'l	\$17,000 LS			\$18,190	2	\$36,380
	Shotcrete	\$210.00 cy		n	\$210.00	620	\$130,200
sn .	Soil nials	\$245.00 ea		n	\$245.00	926	\$226,870
	Miscellaneous material	\$1,000 lot			\$1,070	120	\$128,400
	ment Ownership not in Direct C	ost Materials and Taxes					\$12,500
	ization Freight and Materials						\$423,851
	bilization Freight and Materials						\$31,475
	ral Plant Operation/Maintenance						\$103,915
	nead Maintenance/Service Mate						\$199,620
	s, Insurance, and Taxes not in G	,					\$904,881
	actor Markup	(unclassified)					\$4,573,643
	cing Charges	(unclassified)					\$260,827
	actor Contingency	(unclassified)					\$525,971
Mater	ial Escalation		\$1,176,280 (e	excluded from esti			
				Tot	al Material		\$10,701,236



Project Client Job No. Estimator Rev Computed on Mt Comfort Road 6183.1 2/20/2025 Town of McCordsville, IN RLR/BM 1:48 PM

**Dual Underpass Construction - 10% Estimate** 

# RESOURCE RATE AND USAGE DETAIL

### **SUBCONTRACTS**

Code	Resource/Group Description	Unit Cost/Measure	Notes		Total Quantity	Total Cost
muck	Muck disposal	\$45.00 lcy		\$45.00	90,553	\$4,074,885
geos	Geotechnical Instr sub	\$135,000.00 LS		\$135,000	1	\$135,000
util	Utility relocation	\$500,000.00 LS		\$500,000	1	\$500,000
jgm	Jet Grouting Mob	\$150,000.00 LS		\$150,000	2	\$300,000
jg	Jet Grouting	\$350.00 cy		\$350.00	296	\$103,600
land	Streetscaping	\$500,000.00 LS		\$500,000	3	\$1,500,000
roadN	I NB Roadway Construction	\$2,721,600.00 LS		\$2,721,600	1	\$2,721,600
psta	Pump Station	\$400,000.00 LS		\$400,000	3	\$1,200,000
twm	SOE sub mob	\$100,000.00 LS		\$100,000	1	\$100,000
tws	SOE wall w/ steel	\$50.00 sf		\$50.00	16,000	\$800,000
roadB	Broadway Roadway Construct	\$1,523,200.00 LS		\$1,523,200	1	\$1,523,200
roadS	SB Roadway Construction	\$1,360,800.00 LS		\$1,360,800	1	\$1,360,800
20wm	Relocate 20" Water Main	\$575.00 If		\$575.00	3,000	\$1,725,000
csxgn	CSX Geotech Monitoring	\$2,500.00 sh		\$2,500	120	\$300,000
ains	Automated instrumentation	\$250,000.00 Is		\$250,000	1	\$250,000
csxfl	CSX Flagging	\$1,500.00 day		\$1,500	70	\$105,000
Gene	ral Plant Operation/Maintenance	Subcontracts				\$7,300
Subco	ontract Escalation		\$4,440,654 (excluded from es	timate)		
			Total S	ubcontract		\$16,706,385

\$16,706,385 Total Subcontract \$47,500,173

**Unescalated Construction Bid** 

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Dual Underpass Construction - 10% Estimate 1:48 PM

### **RESOURCE RATE AND USAGE DETAIL**

#### **SUMMARY BY RESOURCE TYPE**

Cost Type	Labor	Equipment	Material	Subcontract	Total
Direct Cost	\$8,814,890	\$5,890,469	\$3,660,295	\$16,699,085	\$35,064,739
Indirect Cost	\$5,158,677	\$228,515	\$775,620	\$7,300	\$12,435,434
Indirect Cost -unclassified material	-	-	\$6,265,321	-	φ12,435,434
Owner Allowances	-	-	-	-	-
Escalation-excluded from est	-	-	-	-	-
Unescalated Construction Bid	\$13,973,567	\$6,118,984	\$10,701,236	\$16,706,385	\$47,500,173
	29%	13%	23%	35%	

# (13% unclassified)

#### **SUMMARY BY COST TYPE**

			% Direct, Equipment		
Cost Type	Total	% Total Estimate	and Plant Cost	Applicable Cost Items	
Mobilization/Demobilization	\$573,027	1.2%	1.6%	045 - 046	
Directs, Equipment, and Plant	\$35,210,954	74.1%	100.0%	001 - 044, 047 -	
Overhead/Profit/Contingency	\$11,716,191	24.7%	33.3%	048 - 053	
Owner Allowances	-				
Unescalated Construction Bid	\$47,500,173		134.9%		

#### **UNESCALATED TIME-RELATED INDIRECT COST BREAKDOWN**

Cost Type	Average Cost/month	Exclude?
Lineal/Other Plant Equipment CFC	\$45 /mo	
GP operation/maintenance	\$3,122 /mo	
Weekend maintenance		
Field supervision	\$135,337 /mo	
OH maintenance/service	\$9,719 /mo	

Monthly costs include adjustments totalling 2.5% for:

- bonds, insurance, and taxes
- financing charges

but exclude contractor contingency

Total \$148,223 /mo (excluding markup) \$182,310 /mo (including markup)

### **DISTRIBUTION OF PROJECT NON-WORKDAYS**

														Calendar	rotai
Type of non-workday	Jan	Feb	Mar		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Project
Holiday		1	1	0	0	1	0	1	0	1	0	2	2	9	28
Inclement Weather Day		5	5	2	2	1	0	0	0	0	0	0	5	20	60
Total		6	6	2	2	2	0	1	0	1	0	2	7	29	88



**Exhibit B:** Construction Schedule



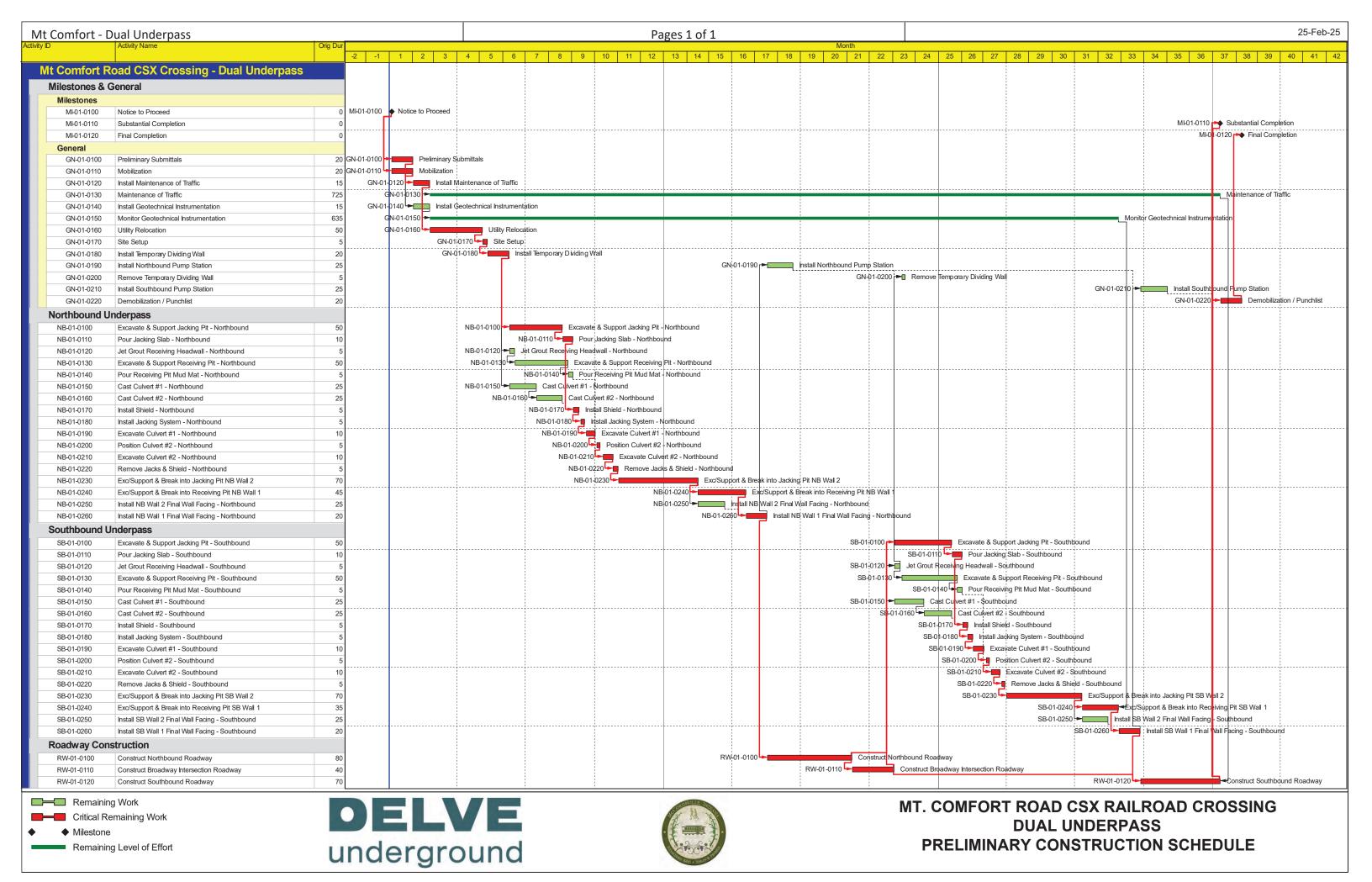
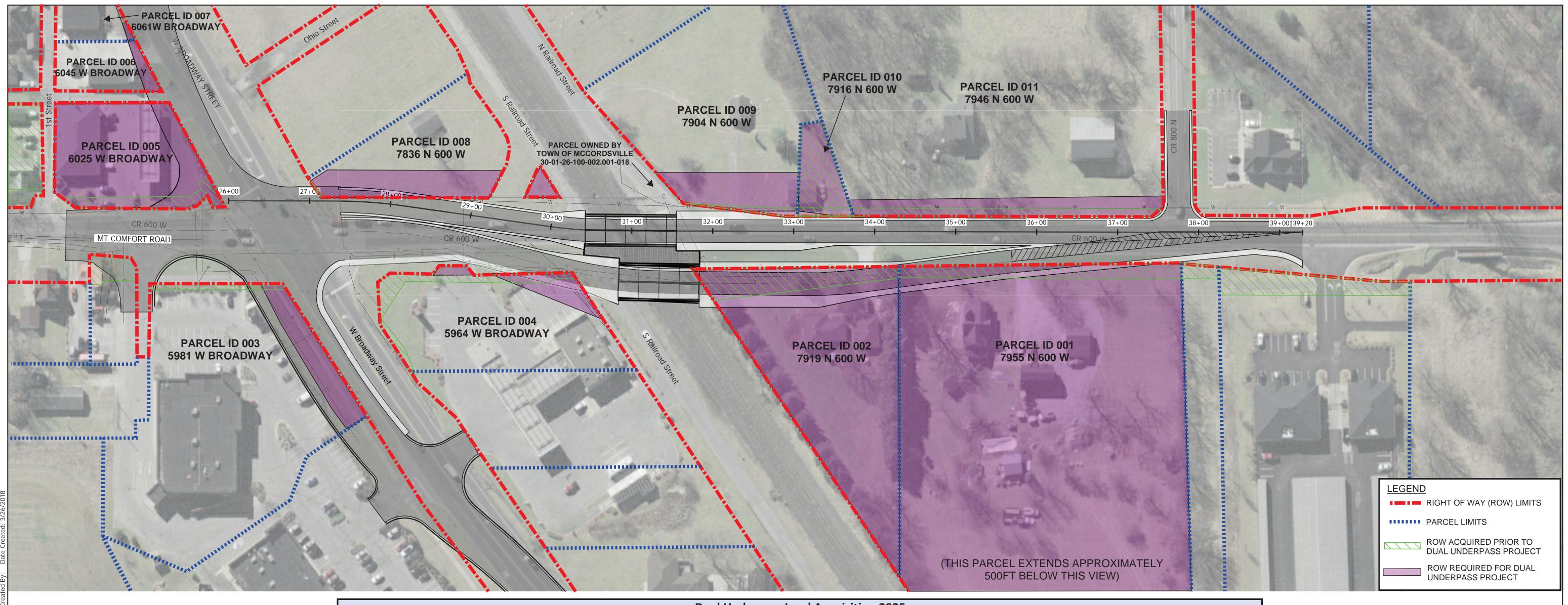


Exhibit C: Detailed Right-of-Way and Land Acquisition Map with Summary Table





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				Dual Ur	derpass Land Acq	uisition 2025				
Parcel ID Number	Property Intended Use	Address	Total Parcel Size (1) (ac.)	ROW and Land Acquisition Required by Town for At-Grade Improvements (ac.)  (ac.)		Net Remaining ROW and Land Acquisition for Dual Underpass (ac.)	Approximate Unit Price (\$ per acre)	Assumed Entire Residential Parcel Land Acquisition Cost (2)	Assumed Entire Commercial Parcel Land Acquisition Cost (2)	ROW Acquisiton Cost (4)
001	Residential	7955 N 600 W	6.010	3.331	0.160	3.171	\$ 179,700	\$1,080,000		
002	Residential	7919 N 600 W	1.769	1.217	0.150	1.067	\$ 395,704	\$700,000		
003	Commercial	5981 W Broadway	1.811	0.127	0.020	0.107	\$ 639,097			\$68,383
004	Commercial	5964 W Broadway	2.557	0.081	0.090	0.047	\$ 639,097			\$30,038
005	Commercial	6025 W Broadway	0.606	0.52	0.060	0.460	\$ 2,500,000		\$1,515,000	
006	Commercial	6045 W Broadway	0.210	0.02	0.0	0.021	\$ 639,097			\$13,421
007	Commercial	6061 W Broadway	0.150	0.003	0.0	0.003	\$ 639,097			\$1,917
800	Residential	7836 N 600 W	0.651	0.193	0.0	0.193	\$ 639,097			\$123,346
009	Residential	7904 N 600 W	1.449	0.153	0.016	0.137	\$ 639,097			\$87,556
010	Residential	7916 N 600 W	0.186	0.190	0.190	0.000		<b>\$0</b> (5)		
011	Agricultural	7946 N 600 W	35.985	0.193	0.092	0.101	\$ 639,097			\$64,549
			Total:	6.03	0.778	5.25	Total Cost:		\$3,684,210	
(1) Total Pacel si	ze is based on online	Hancock County records					Total Cost.		<b>33,004,210</b>	

(2) Unit Pricing based on fair market value with a 2.0 multiplier

(3) Commercial outlier is for budget purpose only

(4) The unit price for small ROW acquistion is based on the \$610,000 provided by the Town in 2021 but adjusted for land appreciation into 2025.

(5) Based on document 2022-0062 RW BASE FOR TOWN PLANNING-Model, the total parcel will be acquired by Town for At-Grade Improvements

DELVE	
underground	d

COMMENDED R APPROVAL			DATE	TOWN OF MCCORDSVILLE MT COMFORT RD UNDER CSX	HORIZONTAL SCALE  1" = 60'  VERTICAL SCALE  1" = 15'	BRIDGE FILE N/A DESIGNATION		
SIGNED:	NRZ	DRAWN:	KGR		SURVEY BOOK	SHEETS 5 of 9		
ECKED:	ASM	CHECKED:	KLD		CONTRACT	PROJECT		