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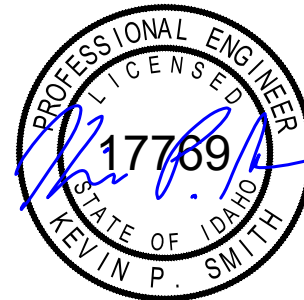
Capital Improvement Plan (CIP) Project Budget Update City of Post Falls

October 17, 2022

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10/17/2022



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Chapter 1 Introduction and Background

1.1 Introduction

J-U-B Engineers was retained by the City of Post Falls to update the CIP project costs that were prepared as part of the City’s Transportation Master Plan (TMP) in 2017. Itemized cost estimates and unit prices from the 2017 TMP will be escalated to reflect current construction unit prices, with a goal to increase the accuracy of programming for the City’ Capital Improvement Plan.

1.2 Background and Market Conditions

Since 2020, the construction industry has faced varying market conditions resulting from labor shortages, reduction in manufacturing, and materials shortages. These supply chain challenges, coupled with significant increases in infrastructure funding have caused construction pricing to escalate at historically disproportionate rates. The Consumer Price Index (CPI) tracks the average change over time in prices paid for goods and services and generally reflects changes in construction pricing.

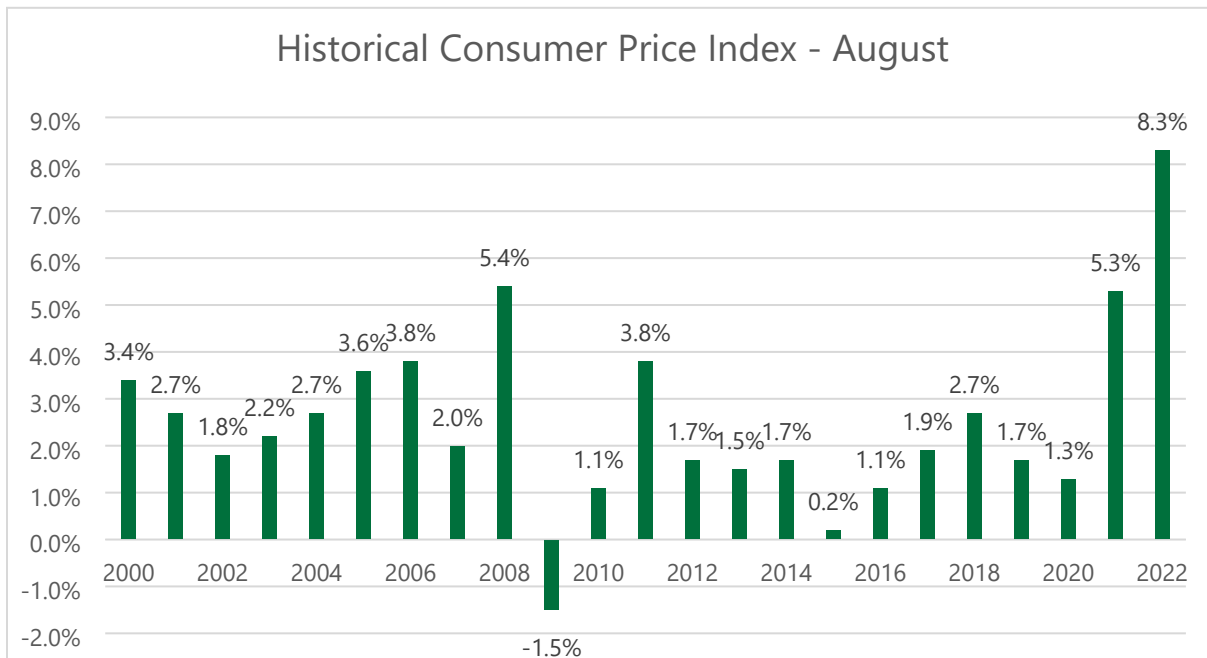


Figure 1 - CPI Index 2000-2022

Typically, a project is identified and programmed many years before the contractor bids the project and actual costs are known. When chasing an inflationary market, often costs that were programmed years prior are lower than are needed to fund the project. Identifying appropriate intervals to update CIP costs reduces the risk of under programming or overcommitting a CIP program.

Chapter 2 Unit Price Analysis

2.1 Historical Data

ITD publishes a database containing 10-year historical bid data for projects bid by the State. This data aids engineers when preparing unit costs for current projects, but also sheds light on projecting future growth trends that can be anticipated in the near future. Bids are published from 2012-2022 and contain all project bid items, allowing engineers to perform a statistical analysis to determine probable costs into future years. Even with the historical data, predicting the market from 2020-2022 has been a challenge as the trendline for cost escalation has formed an exponential growth pattern over this timeframe as opposed to the linear growth pattern observed the prior 8 years. It is likely an exponential growth pattern is unlikely to continue beyond 2022.

2.2 Market Volatility

The current market volatility is high, making predicting future market trends challenging. The analysis presented in this report was not prepared by an economist but looks at past data to try to predict the future. It is recommended that once bid prices stabilize, the City reexamine current bid pricing and escalation to better predict future programming needs.

2.3 Unit Price Analysis Trend

The data presented by ITD can be filtered to isolate significant bid items on a project, sorted and graphed by year, and a trendline can be extracted to estimate the future growth of that particular bid item. To understand how the market as a whole is escalating, we can take several bid items, compare them, and if the appreciating trendline is consistent, a constant growth factor can be applied to other bid items and projects as a whole. It was decided that even though recent years have experienced an exponential growth trend, a linear trendline would best predict the future unit price escalation. The following bid items were examined using this method and resulting trendlines can be found below:

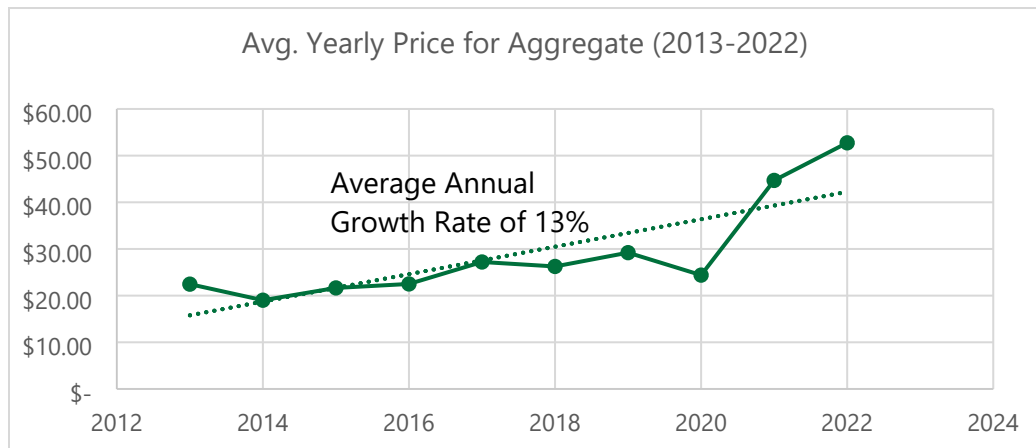


Figure 2 - Aggregate Prices by Year (2013-2022)

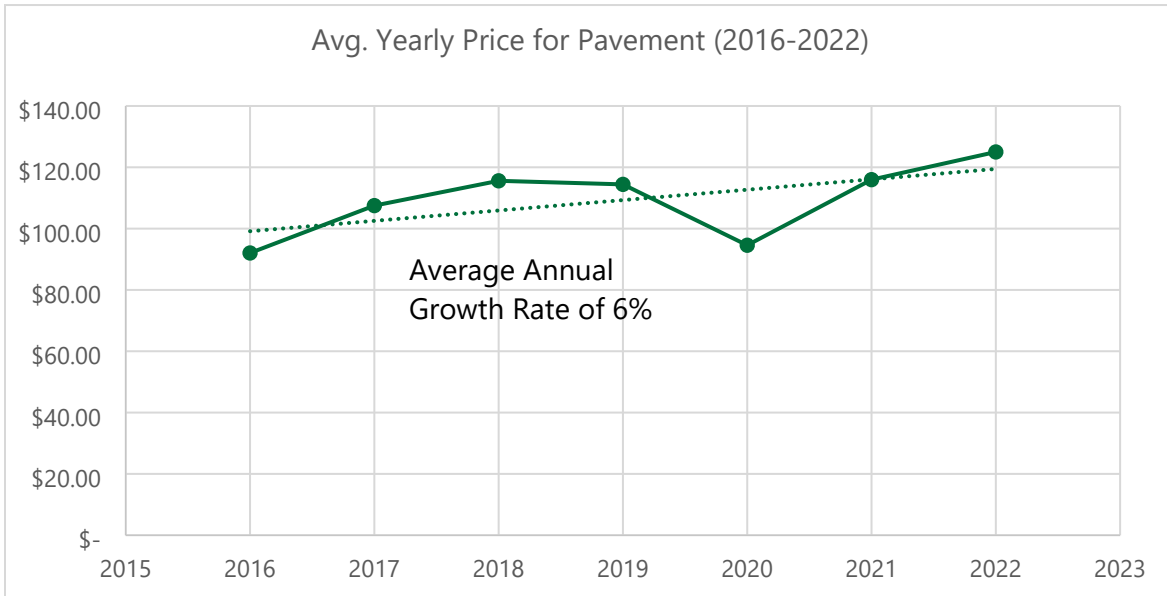


Figure 3 - Pavement Prices by Year (2016-2022)

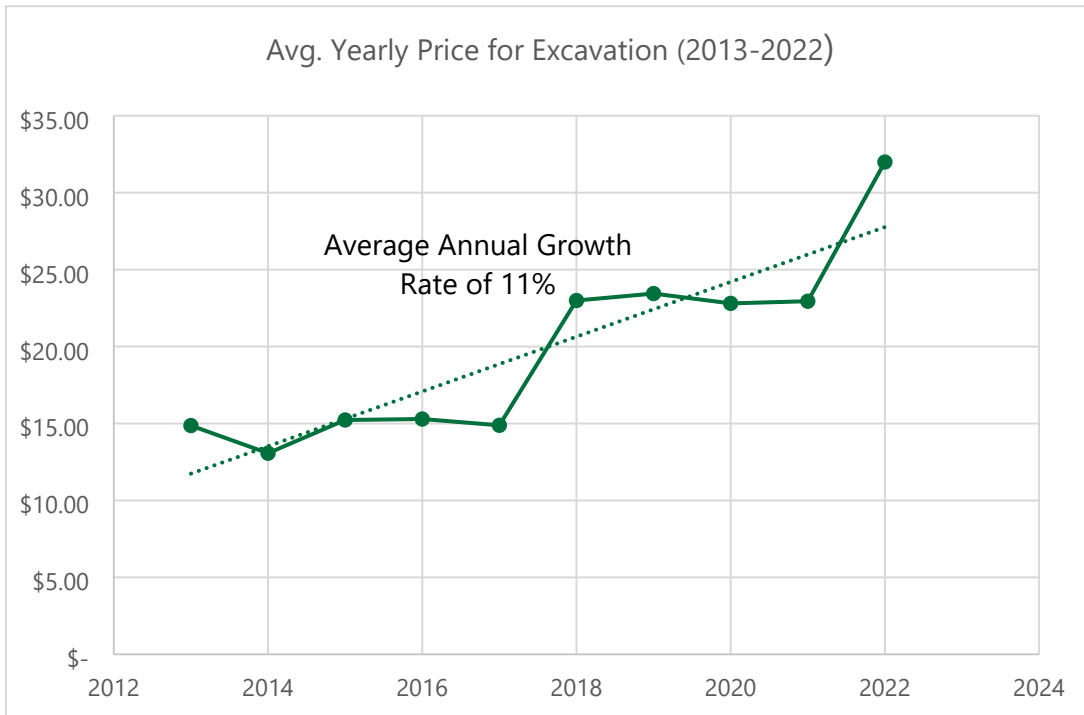


Figure 4 - Excavation Prices by Year (2013-2022)

The figures above illustrate a steep growth pattern that has developed in the 2020-2022 timeframe. It's unlikely the steep growth pattern observed in 2020-2022 will continue, and a more realistic forecast would start with 2021-2022 costs as a baseline and project them at pre-2020 growth rates. The pre-2020 growth rates are illustrated by the following figures:

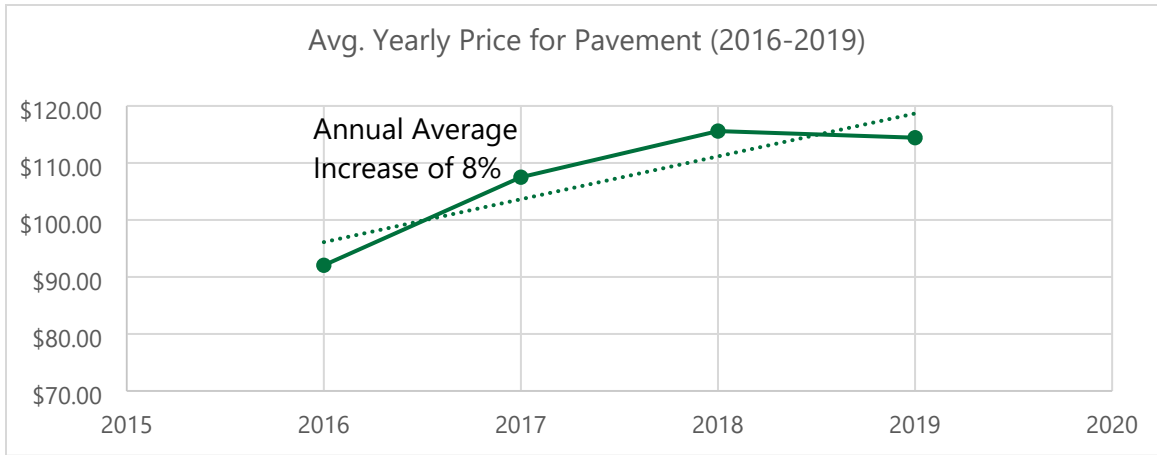


Figure 5 - Pavement Prices by Year (2016-2019)

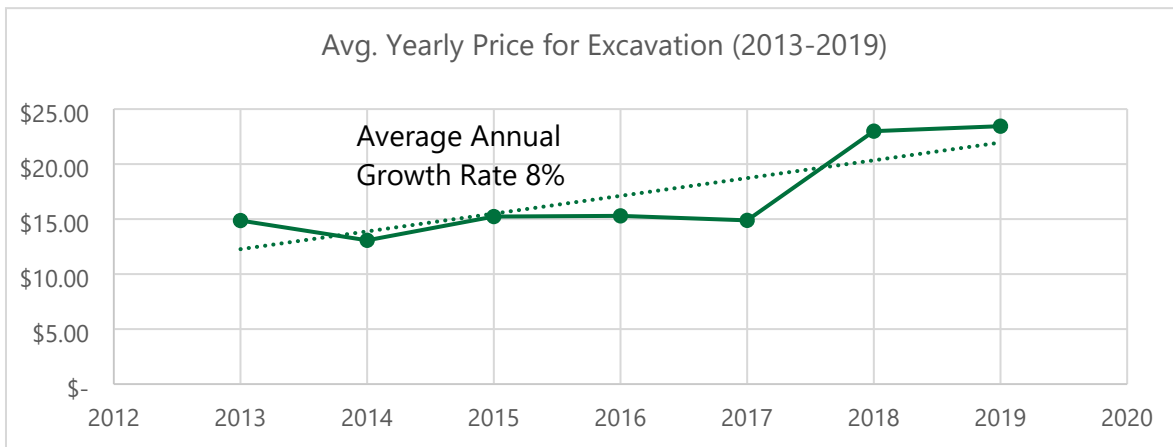


Figure 6 - Excavation Prices by Year (2013-2019)

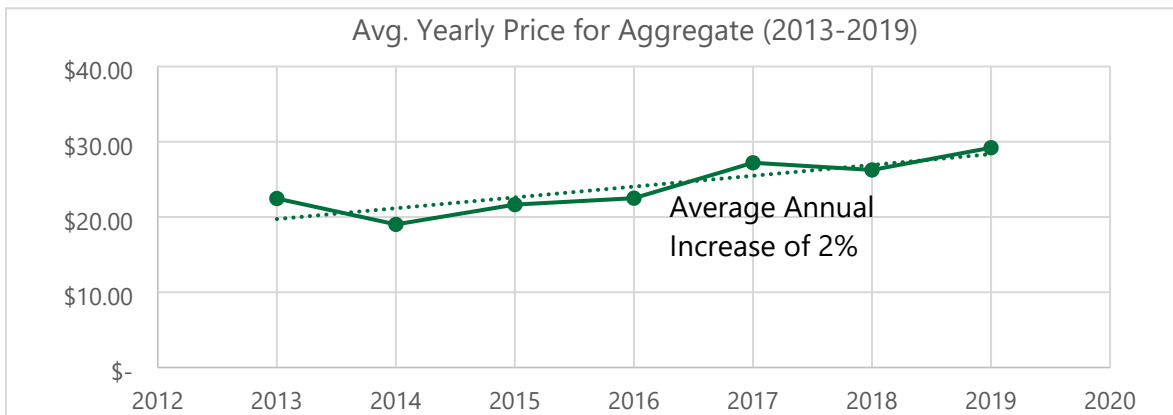


Figure 7 - Aggregate Prices by Year (2013-2019)

Based on the information presented by these figures, it is reasonable to assume a conservative annualized 6% growth rate for 2022-2030.

2.4 Bid Adjustment Factors

Location, size, and funding source are all factors in the total cost of a project.

- Federal versus Local Funding** - Using federal money to construct a project increases the costs in part due to additional agency coordination during design and Davis-Bacon wages used during construction. A 30% cost savings was applied to the unit prices if locally funded.
- Project Size and Economy of Scale** - The size of the project can also have a significant impact on overall cost. Generally, increasing amount of material makes the unit price decrease, this is also known as an economy of scale. A data analysis of ITD bid items indicates significant increases to “small” project quantities is realized. For each bid item in ITD’s database, the last 5 years of data was manipulated to show the lowest third of quantities, middle third, and highest third. In each group the unit price was averaged to arrive at a small, medium and large quantity price. The difference found was that medium scale projects cost 169% less than small projects and large products cost 41% less than medium projects.
- Project Location** - Location can also be a factor, whether the project is in a very rural and hard to access location, or in an area with abundant resources and is highly accessible. Routes to and from materials providers can have a large impact on project costs. Since all projects are located within the same general area and have the same material source availability, location was not used as a factor in the CIP update.

2.5 Right of Way Acquisition Costs

Kootenai County Assessor data was used to generate acquisition costs and the price of vacant land. Four CIP projects that generally represent the nature of the remaining CIP were selected to compile right of way cost data. A price per square foot was calculated based on the assessor’s valuation of the land value divided by the total parcel square footage. The prices varied significantly, but averaged to \$6.87 per square foot, which is consistent with historic acquisition costs for the Post Falls area. The actual market value of land can vary greatly from the assessed value and is affected by many factors such as land use, zoning, and development potential of the specific parcel. The tables below show the data that was gathered for the four projects selected.

Table 1 - 5: Average Price per SF of Land

Spokane St. and 15th Ave (924 SF ROW)				
Parcel Number	Total Acreage	Land Value	Price per Acre	Price per SF
128871	0.317	\$ 172,000.00	\$ 542,586.75	\$ 12.46
Average Price per SF				\$ 12.46

Henry and Mullan RAB (1200 SF ROW)				
Parcel Number	Total Acreage	Land Value	Price per Acre	Price per SF
146615	0.541	\$ 166,612.00	\$ 307,970.43	\$ 7.07
102675	0.216	\$ 172,500.00	\$ 798,611.11	\$ 18.33
113249	0.207	\$ 111,320.00	\$ 537,777.78	\$ 12.35
Average Price per SF				\$ 12.58

Grange Ave RR Crossing (13650 SF ROW)				
Parcel Number	Total Acreage	Land Value	Price per Acre	Price per SF
145332	3.68	\$ 251,021.00	\$ 68,212.23	\$ 1.57
110509	0.015	\$ 1,000.00	\$ 66,666.67	\$ 1.53
143764	6.4862	\$ 258,498.00	\$ 39,853.54	\$ 0.91
133209	4.417	\$ 235,686.00	\$ 53,358.84	\$ 1.22
139931	5.274	\$ 231,620.00	\$ 43,917.33	\$ 1.01
Average Price per SF				\$ 1.25

Greensferry to 41 (~17500 SF ROW)				
Parcel Number	Total Acreage	Land Value	Price per Acre	Price per SF
194688	20	\$ 519,315.00	\$ 25,965.75	\$ 0.60
127170	5.015	\$ 285,600.00	\$ 56,949.15	\$ 1.31
122389	5.022	\$ 285,749.00	\$ 56,899.44	\$ 1.31
101863	4.8008	\$ 284,944.00	\$ 59,353.44	\$ 1.36
118687	4.438	\$ 277,875.00	\$ 62,612.66	\$ 1.44
Average Price per SF				\$ 1.20

Chapter 3 Project Estimates

3.1 Quantity Verification

Itemized quantities were acquired from the 2017 Transportation Master Plan. In conformance with the project scope of work, J-U-B performed a cursory review of each project to confirm quantities generally aligned with anticipated project improvements. Some quantities were adjusted to better reflect the project improvement needs. Based on our review of each project, we believe the CIP would benefit from a more detailed evaluation of the shorter-term project quantities and that the prior existing quantities may not provide the needed accuracy to budget the near-term projects. A larger contingency may also be applied to the estimates that could benefit from a more detailed line by line estimate.

3.2 Lump Sum Quantities

Some projects were originally quantified as lump sum projects with contingencies added to capture minor costs. J-U-B used recent bid prices to reconfigure the lump sum costs used in the estimates, which were generally traffic signal or roundabout projects.

3.3 Project Summaries and Non-Itemized Estimates

A project summary was prepared to capture the remaining 83 projects on the City's CIP. Of the 83 projects, 13 of the projects did not have itemized estimates in the 2017 Transportation Master Plan. The 2017 Transportation Master Plan estimated these projects at 2018 costs, so it was decided that average annual growth rates from 2018 to 2022 could be applied to these 13 projects to bring them up to 2022 costs. The figures below illustrate the average annual growth rates between 2018 and 2022.

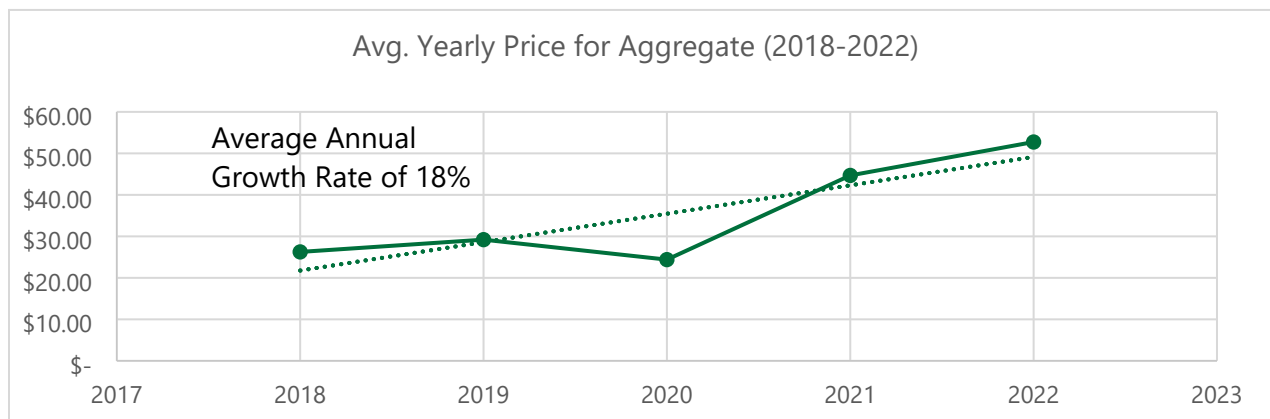


Figure 8 - Aggregate Prices by Year (2018-2022)

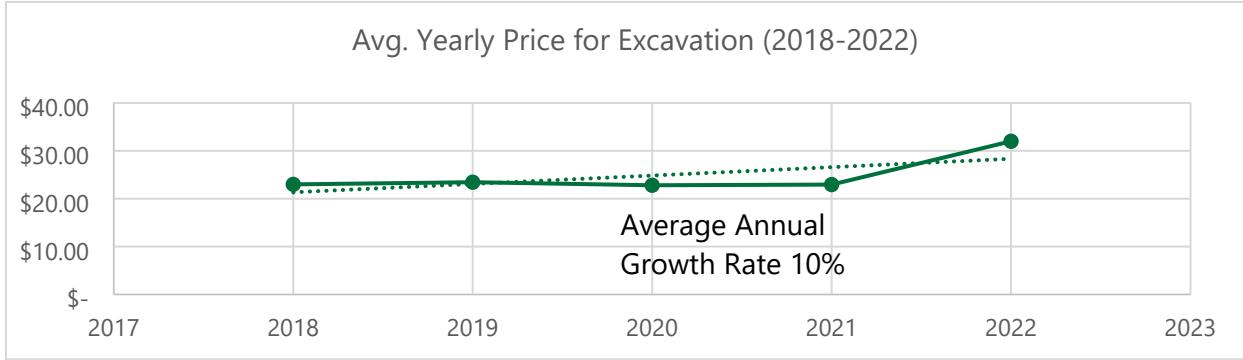
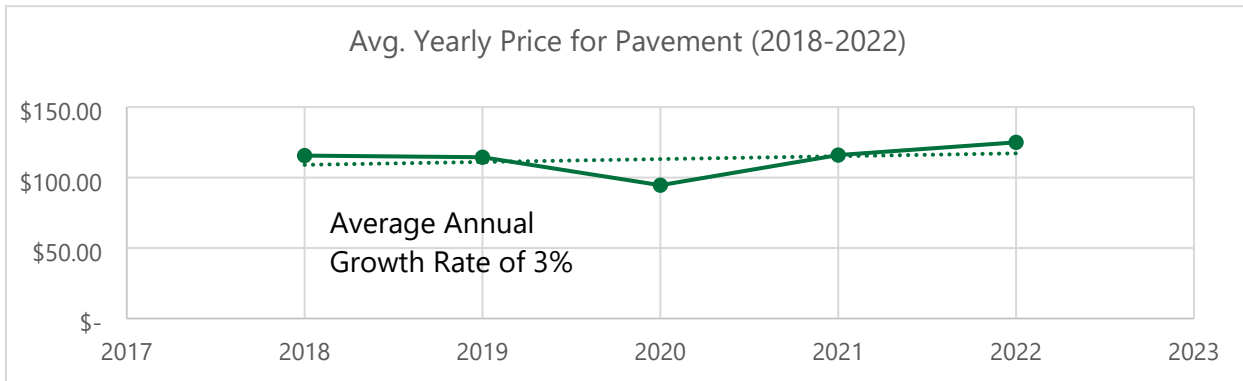


Figure 9 - Excavation Prices by Year (2018-2022)



An analysis above indicates an average growth rate of 10% can be applied to the lump sum projects to escalate their costs from 2018 to 2022.

Appendices

Appendix A – CIP Summary

Appendix B – Unit Price Summary

Appendix C – Itemized Estimates

Appendix A

CIP Summary

City of Post Falls - CIP Update CIP Summary (October 2022)										Annualized Escalation Rate	6.0%	Estimated City CIP Costs			Description
Project Number	Project Code	Project Size	Funding Type	Project Timeline	Approx. Funding Year	Project Name	Total Project Costs 2022	Other Funding (Developer, Grants)	Estimated 2022 City CIP Costs	Short Term		Medium Term	Long Term		
										2022	2023				
1	S-91	Medium	Local	Long Term (2027-2037)	2032	Seltice Way and 4th/1-90 EB	\$760,000	\$0	\$760,000				\$1,361,044	Intersection: Install traffic signal	
2	S-TMPU	Medium	Local	Short Term (2018-2022)	2022	Transportation Master Plan Update (2018-2022)	\$403,360	\$0	\$403,360	\$403,360				No Description	
3	S-RR4	Medium	State/Federal	Medium Term (2022-2027)	2024	Chase Rd. Grange to UPRR	\$413,608	\$77,140	\$336,468			\$378,056		No Description	
4	S-113	Medium	Local	Medium Term (2022-2027)	2024	Greensferry and 12th - Turn Lane	\$54,000	\$0	\$54,000			\$60,674		Intersection: Add westbound left turn lane.	
5	S-54	Medium	Local	Medium Term (2022-2027)	2024	Spokane and 15th	\$665,000	\$0	\$665,000			\$747,194		Intersection: Install signal when warranted.	
6	S-55	Small	Local	Medium Term (2022-2027)	2024	Spokane and 12th	\$213,000	\$0	\$213,000			\$239,327		Intersection: Restrict left turns and through movements from 12th	
7	S-78	Small	Local	Medium Term (2022-2027)	2024	Idaho and 15th/16th	\$688,000	\$0	\$688,000			\$773,037		Intersection: Add 100' EB left turn lane, install signal when warranted.	
8	S-79	Small	Local	Medium Term (2022-2027)	2024	Idaho and 12th	\$213,000	\$0	\$213,000			\$239,327		Intersection: Restrict left and through movements from 12th	
9	S-55a	Small	Local	Long Term (2027-2037)	2032	Compton, 12th to 15th	\$300,000	\$0	\$300,000				\$537,254	Add curb/gutter and 5' sidewalk,1100'	
10	S-65	Medium	Local	Long Term (2027-2037)	2032	Henry and Mullan	\$3,612,000	\$0	\$3,612,000				\$6,468,542	Intersection: Install a roundabout	
11	S-RR1	Small	State/Federal	Short Term (2018-2022)	2023	Chase Road RR Crossing	\$187,000	\$173,256	\$13,745		\$14,569			Intersection: Widen Chase Rd BNSF Railroad Crossing	
12	NKN1	Small	Local	Short Term (2018-2022)	2022	Traffic Counts and Signal Timing	\$146,410	\$0	\$146,410	\$146,410				No Description	
14	NKN2	Small	Local	Medium Term (2022-2027)	2024	Prairie Ave./Charleville	\$146,410	\$0	\$146,410			\$164,506		No Description	
15	NKN5	Small	Local	Medium Term (2022-2027)	2024	Seltice Way Focused Corridor Phase I	\$439,230	\$0	\$439,230			\$493,519		No Description	
16	NKN7	Small	Local	Medium Term (2022-2027)	2024	Greensferry and Poleline	\$439,230	\$0	\$439,230			\$493,519		No Description	
17	M-R248	Medium	Local	Long Term (2027-2037)	2032	Cecil (w. 1/2 Mile), 16th to Horsehaven	\$329,000	\$0	\$329,000				\$589,189	Upgrade: Rebuild as Major Collector	
18	M-110	Small	Local	Medium Term (2022-2027)	2024	Greensferry and Bogie Dr.	\$4,000	\$0	\$4,000			\$4,494		Intersection: Convert to all way stop control	
19	M-R216	Large	State/Federal	Medium Term (2022-2027)	2024	Prairie (Meyer to SH-41)	\$6,404,000	\$5,933,306	\$470,694			\$528,872		Upgrade: Rebuild as 5 lane Minor Arterial	
20	M-R216a	Large	Local	Long Term (2027-2037)	2032	Prairie (Greensferry to SH-41)	\$4,483,000	\$0	\$4,483,000				\$8,028,370	Upgrade: Rebuild as 5 lane Minor Arterial	
21	M-25	Medium	Local	Long Term (2027-2037)	2032	Corbin and Seltice	\$816,000	\$0	\$816,000				\$1,461,332	Intersection: Add 100' southbound left turn lane and install signal when warranted	
22	M-59	Medium	Local	Long Term (2027-2037)	2032	Spokane St. @ I-90 WB/6th Ave and 6th Ave: Frederick to Spokane	\$535,000	\$0	\$535,000				\$958,104	Intersection: Modify signal and approach to allow movement from WB 6th	
23	M-83	Medium	Local	Medium Term (2022-2027)	2024	Idaho St and 4th Ave	\$3,336,000	\$0	\$3,336,000			\$3,748,330		Intersection: Construct single lane Roundabout	
24	M-R227	Medium	Local	Long Term (2027-2037)	2032	McGuire, Seltice to Midway	\$1,171,000	\$0	\$1,171,000				\$2,097,083	Upgrade: Rebuild to 4 lanes	
25	M-38	Medium	Local	Long Term (2027-2037)	2032	Clark Fork and Seltice	\$3,696,000	\$0	\$3,696,000				\$6,618,973	Intersection: Construct dual lane Roundabout	
26	NKNM1	Small	Local	Medium Term (2022-2027)	2024	Transportation Master Plan Update (2022-2027)	\$403,360	\$0	\$403,360			\$453,215		No Description	
27	NKNM2	Small	Local	Medium Term (2022-2027)	2024	Traffic Counts and Signal Timing (2022-2027)	\$146,410	\$0	\$146,410			\$164,506		No Description	
28	NKNM3	Large	State/Federal	Medium Term (2022-2027)	2022	Exit 7 - SH41/I90 Interchange	\$58,564,000	\$58,064,000	\$500,000	\$500,000				No Description	
29	NKNL2	Large	State/Federal	Long Term (2027-2037)	2032	Poleline, McGuire to Clark Fork Pkwy	\$9,629,000	\$7,687,552	\$1,941,448				\$3,476,838	New Construction: Build as Minor Arterial, including grade separation	
30	NKNL4	Small	Local	Long Term (2027-2037)	2032	Cecil and Prairie	\$719,000	\$0	\$719,000				\$1,287,619	Intersection: Add left turn lanes. Install signal when warranted.	
31	NKNL5	Medium	Local	Medium Term (2022-2027)	2024	W 1/4 Mile and Prairie	\$3,600,000	\$0	\$3,600,000			\$4,044,960		Intersection: Construct dual lane roundabout	
32	NKNL6	Medium	Local	Medium Term (2022-2027)	2024	E 1/4 Mile and Prairie	\$3,600,000	\$0	\$3,600,000			\$4,044,960		Intersection: Construct dual lane roundabout	
33	NKNL8	Small	Local	Medium Term (2022-2027)	2024	E 1/2 Mile and Prairie	\$3,600,000	\$0	\$3,600,000			\$4,044,960		Intersection: Construct dual lane roundabout	
34	NKNL8	Small	Local	Medium Term (2022-2027)	2024	Pleasant View and Seltice	\$107,000	\$0	\$107,000			\$120,225		Intersection: Add NB and SB right turn lanes, adjust signal timing	
35	NKNL9	Small	Local	Long Term (2027-2037)	2032	Pleasant View and Riverbend	\$50,000	\$0	\$50,000				\$89,542	Intersection: Add NB through lane, convert striping on all approaches	
36	NKNL10	Small	Local	Long Term (2027-2037)	2032	Corbin Road and Prairie	\$36,000	\$0	\$36,000				\$64,471	Intersection: Add NB left turn lane	
37	NKNL11	Small	Local	Long Term (2027-2037)	2032	McGuire Road and Poleline	\$4,000	\$0	\$4,000				\$7,163	Intersection: Convert to all-way stop control	
38	NKNL12	Small	Local	Long Term (2027-2037)	2032	McGuire Road and Seltice	\$129,000	\$0	\$129,000				\$231,019	Intersection: Add NB thru/right turn lane, SB receiving lane	
39	NKNL13	Small	Local	Long Term (2027-2037)	2032	McGuire Road and Riverbend	\$41,000	\$0	\$41,000				\$73,425	Intersection: Add EB left turn lane	
40	NKNL14	Medium	Local	Long Term (2027-2037)	2032	Spokane St. and 3rd	\$657,000	\$0	\$657,000				\$1,176,587	Intersection: Install signal when warranted	
41	NKNL15	Small	Local	Long Term (2027-2037)	2032	Henry and 3rd	\$4,000	\$0	\$4,000				\$7,163	Intersection: Convert to all-way stop control	
42	NKNL16	Small	Local	Long Term (2027-2037)	2032	Idaho and Polston	\$82,000	\$0	\$82,000				\$146,850	Intersection: Restrict WB left turn lanes	
43	NKNL16	Small	Local	Long Term (2027-2037)	2032	Idaho and Seltice	\$62,000	\$0	\$62,000				\$111,033	Intersection: Add 2nd NB thru lane	
44	NKNL18	Small	Local	Long Term (2027-2037)	2032	Syringa and 16th	\$4,000	\$0	\$4,000				\$7,163	Intersection: Convert to all way stop control	
45	NKNL19	Small	Local	Long Term (2027-2037)	2032	Syringa and 12th	\$4,000	\$0	\$4,000				\$7,163	Intersection: Convert to all way stop control	
46	NKNL20	Medium	Local	Long Term (2027-2037)	2032	Syringa and Mullan	\$3,336,000	\$0	\$3,336,000				\$5,974,268	Intersection: Construct single lane roundabout	
47	NKNL21	Medium	Local	Long Term (2027-2037)	2032	Greensferry and Bluegrass/Hope	\$3,336,000	\$0	\$3,336,000				\$5,974,268	Intersection: Construct single lane roundabout	
48	NKNL22	Medium	Local	Long Term (2027-2037)	2032	Greensferry and 16th	\$866,000	\$0	\$866,000				\$1,550,874	Intersection: Install signal	
49	KNNL23	Medium	Local	Long Term (2027-2037)	2032	Greensferry and 12th - Roundabout	\$3,336,000	\$0	\$3,336,000				\$5,974,268	Intersection: Construct single lane roundabout.	
50	NKNL24	Small	Local	Long Term (2027-2037)	2032	Greensferry and Seltice	\$21,000	\$0	\$21,000				\$37,608	Intersection: Add SB right turn lane, convert NB right turn to right/thru	
51	NKNL25	Medium	Local	Long Term (2027-2037)	2032	Greensferry and 3rd	\$3,288,000	\$0	\$3,288,000				\$5,888,307	Intersection: Construct single lane roundabout	
52	NKNL26	Small	Local	Medium Term (2022-2027)	2024	Cecil and Bluegrass/Hope	\$4,000	\$0	\$4,000			\$4,494		Intersection: Convert to all way stop control	
53	NKNL28	Small	Local	Long Term (2027-2037)	2032	Cecil and 12th	\$91,000	\$0	\$91,000				\$162,967	Intersection: Add EB and WB left turn lanes	
54	NKNL29	Medium	Local	Long Term (2027-2037)	2032	W 1/4 Mile and Poleline	\$3,336,000	\$0	\$3,336,000				\$5,974,268	Intersection: Construct single lane roundabout	
55	NKNL30	Medium	Local	Long Term (2027-2037)	2032	E 1/4 Mile and Poleline	\$3,336,000	\$0	\$3,336,000				\$5,974,268	Intersection: Construct single lane roundabout	
56	KNKL31	Small	Local	Long Term (2027-2037)	2032	E 1/2 Mile and Poleline	\$4,000	\$0	\$4,000				\$7,163	Intersection: Convert to all way stop control	
57	NKNL32	Medium	Local	Long Term (2027-2037)	2032	Ross Point and 3rd	\$3,241,000	\$0	\$3,241,000				\$5,804,137	Intersection: Construct single lane roundabout	
58	NKNL33	Medium	Local	Long Term (2027-2037)	2032	Greensferry and Horsehaven	\$3,296,000	\$0	\$3,296,000				\$5,902,634	Intersection: Construct single lane roundabout with NB right turn lane	
59	NKNL34	Small	Local	Long Term (2027-2037)	2032	Clearwater Loop and Riverbend	\$71,000	\$0	\$71,000				\$127,150	Intersection: Add NB left turn lane	
60	NKNL35	Small	Local	Long Term (2027-2037)	2032	Cecil Road and Horsehaven	\$4,000	\$0	\$4,000				\$7,163	Intersection: Convert to all way stop control	
61	NKNL36	Medium	Local	Long Term (2027-2037)	2032	Poleline, Greensferry to Charleville	\$621,000	\$0	\$621,000				\$1,112,116	UPGRADE: Complete 4 lane section (north 1/2)	
62	NKNL37	Medium	Local	Long Term (2027-2037)	2032	Chase Road and Poleline Avenue	\$3,336,000	\$0	\$3,336,000				\$5,974,268	Intersection: Install roundabout	

City of Post Falls - CIP Update CIP Summary (October 2022)										Annualized Escalation Rate	6.0%	Estimated City CIP Costs			Description
Project Number	Project Code	Project Size	Funding Type	Project Timeline	Approx. Funding Year	Project Name	Total Project Costs 2022	Other Funding (Developer, Grants)	Estimated 2022 City CIP Costs	Short Term		Medium Term	Long Term		
										2022	2023				
63	NKNL38	Medium	Local	Long Term (2027-2037)	2032	Master Plan Updates (2 Times)	\$806,719	\$0	\$806,719				\$1,444,711	No Description	
64	NKNL39	Small	Local	Long Term (2027-2037)	2032	Traffic Counts (2 Times)	\$40,336	\$0	\$40,336				\$72,236	No Description	
65	NKNL40	Large	Local	Long Term (2027-2037)	2032	Seltice Way Focused Corridor Phase II	\$12,907,506	\$0	\$12,907,506				\$23,115,377	No Description	
66	MM-08	Medium	Local	Multimodal Project	2032	Compton, 15th to Poleline	\$844,000	\$0	\$844,000				\$1,511,475	Multimodal Upgrade: Incorporate Bicycle and Pedestrian Facilities	
67	MM-97	Medium	Local	Multimodal Project	2032	Compton, Mullan to 12th	\$250,000	\$0	\$250,000				\$447,712	Multimodal Upgrade: Incorporate Bicycle and Pedestrian Facilities	
68	MM-16	Medium	Local	Multimodal Project	2032	Seltice, Pleasant View to McGuire	\$628,000	\$0	\$628,000				\$1,124,652	Multimodal New Construction: Build Class I Trail	
69	MM-18	Medium	State/Federal	Multimodal Project	2032	Seltice, Idaho to Bay	\$991,000	\$40,000	\$951,000				\$1,703,096	Multimodal Upgrade: Incorporate Bicycle and Pedestrian Facilities	
70	MM-11	Medium	Local	Multimodal Project	2032	Seltice, Bay to SH-41	\$2,925,000	\$0	\$2,925,000				\$5,238,230	Multimodal Upgrade: Incorporate Bicycle and Pedestrian Facilities	
71	MM-24	Medium	Local	Medium Term (2022-2027)	2024	Centennial Trail, Greensferry to Ross Point	\$667,000	\$0	\$667,000			\$749,441		Multimodal New Construction: Build Class I Trail	
72	MM-93	Small	Local	Multimodal Project	2032	Centennial Trail, Riverbend	\$49,000	\$0	\$49,000				\$87,752	Multimodal New Construction: Build Class I Trail	
73	MM-76	Medium	Local	Multimodal Project	2032	Ross Point, Maplewood to Seltice	\$496,000	\$0	\$496,000				\$888,260	Multimodal Upgrade: Construct Sidewalk and Bicycle Lanes	
74	MM-39	Small	Local	Multimodal Project	2032	McGuire, South of I-90	\$407,000	\$0	\$407,000				\$728,875	Multimodal Upgrade: Widen to Include Bicycle Lanes	
75	MM-32	Small	Local	Multimodal Project	2032	McGuire, I-90 to Seltice	\$415,000	\$0	\$415,000				\$743,202	Multimodal New Construction: Build Class I Trail	
76	MM-03	Medium	State/Federal	Multimodal Project	2032	McGuire, Midway to Poleline	\$2,986,000	\$600,000	\$2,386,000				\$4,272,963	Multimodal Upgrade: Rebuild as Minor Arterial, 4 LANE, 60' curb to curb	
77	MM-33	Medium	State/Federal	Multimodal Project	2032	McGuire, Poleline to Fisher	\$1,695,000	\$587,917	\$1,107,083				\$1,982,617	Multimodal Upgrade: Widen to include 2 bike lanes	
78	MM-36	Medium	State/Federal	Multimodal Project	2032	McGuire, Fisher to Hayden	\$766,000	\$193,952	\$572,048				\$1,024,451	Multimodal Upgrade: Widen to include 2 bike lanes	
79	MM-41	Medium	Local	Multimodal Project	2032	Cecil, Mullan to 16th	\$737,000	\$0	\$737,000				\$1,319,855	Multimodal Upgrade: Widen to Include 2 Bike Lanes, Extend Shared Use Path	
80	MM-49	Medium	State/Federal	Medium Term (2022-2027)	2024	Prairie Trail, Meyer to Greensferry	\$3,253,000	\$300,000	\$2,953,000			\$3,317,991		Multimodal New Construction: Build Class I Trail, 12'	
81	MM-44	Small	Local	Multimodal Project	2032	Lincoln, Mullan to Poleline	\$616,000	\$0	\$616,000				\$1,103,162	Multimodal Upgrade: Widen, restripe to include bicycle lanes	
82	N/A	Medium	State/Federal	Multimodal Project	2032	Riverside Trail, StateLine to Pointe Pkwy	\$979,357	\$334,457	\$644,900				\$1,154,918	No Description	
83	MM-54	Medium	State/Federal	Multimodal Project	2032	Riverside Trail, Pointe Pkwy to Pleasant View	\$2,107,000	\$200,000	\$1,907,000				\$3,415,147	Multimodal New Construction: Build Class I Trail, 12'	
84	MM-52	Small	Local	Multimodal Project	2032	Riverside Trail, Pleasant View to McGuire	\$1,542,000	\$0	\$1,542,000				\$2,761,487	Multimodal New Construction: Build Class I Trail, 12'	
Indicates no itemized estimate was prepared in 2018. Costs reflect 2018 costs escalated at 10% annualized escalation rate for 4 years (2018-2022)							Totals		\$104,335,355	\$1,049,770	\$14,569	\$24,815,607	\$145,391,832		
							Streets		\$84,238,325						
							Multimodal		\$20,097,031						

Appendix B

Unit Price Summary

City of Post Falls - CIP Update - Unit Price Summary

				2022 Costs by Project Size*			
Item No.	ITD Item No.	Item Description	Units	Small	Medium	Large	Notes
1	201-005A	CLEARING AND GRUBBING	AC	\$ 26,141	\$ 7,548	\$ 5,532	ITD Average Unit Price Report; sorted by years and averaged by quantity
2	203-015A	REM OF BITUMINOUS SURF	SY	\$ 15	\$ 6	\$ 4	ITD Average Unit Price Report; sorted by years and averaged by quantity
3	205-005A	EXCAVATION	CY	\$ 45	\$ 23	\$ 14	ITD Average Unit Price Report; sorted by years and averaged by quantity
4	205-040A	GRANULAR BORROW	CY	\$ 57	\$ 34	\$ 17	ITD Average Unit Price Report; sorted by years and averaged by quantity
5	205-060A	WATER FOR DUST ABATEMENT	MG	\$ 67	\$ 30	\$ 14	ITD Average Unit Price Report; sorted by years and averaged by quantity
6	212-020A	SILT FENCE	FT	\$ 6	\$ 4	\$ 4	ITD Average Unit Price Report; sorted by years and averaged by quantity
7	213-005A	TOPSOIL	CY	\$ 70	\$ 33	\$ 19	ITD Average Unit Price Report; sorted by years and averaged by quantity
8	301-010A	GRANULAR SUBBASE	CY	\$ 56	\$ 36	\$ 31	ITD Average Unit Price Report; sorted by years and averaged by quantity
9	303-021A	3/4" AGGR TYPE A FOR BASE	TON	\$ 46	\$ 27	\$ 20	ITD Average Unit Price Report; sorted by years and averaged by quantity
10	401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	\$ 13	\$ 4	\$ 3	ITD Average Unit Price Report; sorted by years and averaged by quantity
11	402-020A	EMUL ASPH FOR PRIME COAT	TON	\$ 552	\$ 931	\$ 501	ITD Average Unit Price Report; sorted by years and averaged by quantity
12	403-300A	CHIP SEAL WARRANTY	SY	\$ 3	\$ 2	\$ 2	ITD Average Unit Price Report; sorted by years and averaged by quantity
13	405-240A	MISC PAV	SY	\$ 113	\$ 44	\$ 23	ITD Average Unit Price Report; sorted by years and averaged by quantity
14	405-245A	APPROACH	EA	\$ 3,089	\$ 2,355	\$ 1,598	ITD Average Unit Price Report; sorted by years and averaged by quantity
15	405-260A	WEDGE MILLING	SY	\$ 27	\$ 11	\$ 6	ITD Average Unit Price Report; sorted by years and averaged by quantity
16	405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON	\$ 333	\$ 128	\$ 82	ITD Average Unit Price Report; sorted by years and averaged by quantity
17	408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL	\$ 10	\$ 3	\$ 2	ITD Average Unit Price Report; sorted by years and averaged by quantity
18	409-015A	CONC PAV	SY	\$ 136	\$ 125	\$ 69	ITD Average Unit Price Report; sorted by years and averaged by quantity
19	411-005A	URBAN CONC PAV	SY	\$ 100	\$ 61	\$ 128	ITD Average Unit Price Report; sorted by years and averaged by quantity
20	614-015A	CONC SIDEWALK	SY	\$ 127	\$ 74	\$ 59	ITD Average Unit Price Report; sorted by years and averaged by quantity
21	614-020A	DRIVEWAY	EA	\$ 3,272	\$ 2,316	\$ 1,884	ITD Average Unit Price Report; sorted by years and averaged by quantity
22	615-491A	CURB & GUTTER TYPE 1	FT	\$ 38	\$ 39	\$ 28	ITD Average Unit Price Report; sorted by years and averaged by quantity
23	C.0	TRAFFIC SIGNAL INSTALLATION	EA	\$ 520,000	\$ 520,000	\$ 520,000	ITD mean prices from 2016-2022 for signals; recent comp bid prices in Lewiston ID for \$460k
24	C.1	COMB CURB & GUTTER TY 2	FT	\$ 67	\$ 38	\$ 26	Cecil and Poleline (medium project) curb and gutter bid prices adjusted by statistical averages of items 1-22
25	C.2	10' SHARED USE PATH	FT	\$ 79	\$ 34	\$ 23	Costs per foot of HMA and Base multiplied by a 20% increase for incidental items
26	C.3	ADD 12' LANE	FT	\$ 134	\$ 56	\$ 37	Costs per foot of HMA and Base multiplied by a 10% increase for incidental items
27	C.4	RIGHT OF WAY	SF	\$ 6.87	\$ 6.87	\$ 6.87	Costs averaged from Kootenai County Assessor data. See report.
28	C.5	DRYWELL	EA	\$ 4,737	\$ 2,700	\$ 1,863	Cecil and Poleline (medium project) drywell (single depth) bid prices adjusted by statistical averages of items 1-22
29	C.6	UTILITIES (5%)	LS				Assumed at 5% of total project cost
30	C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS				Assumed at 2% of total project cost
31	C.8	SURVEY (5%)	LS				Assumed at 5% of total project cost
32	C.9	TEMPORARY EROSION CONTROL (3%)	LS				Assumed at 3% of total project cost
33	C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS				Assumed at 4% of total project cost
34	C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS				Assumed at 10% of total project cost
35	C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS				Assumed at 5% of total project cost
36	C.13	MOBILIZATION (10%)	LS				Assumed at 10% of total project cost

*Costs shown reflect federal aid unit pricing. Locally funded projects generally see a 20%-30% cost savings. A 25% cost savings has been applied to each estimate with local funding.

Appendix C

Itemized Estimates



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Seltice Way and 4th/I-90 EB				
DESCRIPTION:	Intersection: Install traffic signal				
Project Code:	S-91				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	54	\$19	\$1,035
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	320	\$52	\$16,496
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	TRAFFIC SIGNAL INSTALLATION	LS	1	\$364,000	\$364,000
C.1	COMB CURB & GUTTER TY 2	FT	588	\$27	\$15,641
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	600	\$40	\$23,719
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$21,045
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$8,418
C.8	SURVEY (5%)	LS	1	5%	\$21,045
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$12,627
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$16,836
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$42,089
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$21,045
C.13	MOBILIZATION (10%)	LS	1	10%	\$42,089
CONSTRUCTION ITEMS SUBTOTAL					\$607,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$61,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$92,000
ANTICIPATED PROJECT COSTS					\$760,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Greensferry and 12th - Turn Lane				
DESCRIPTION:	Intersection: Add westbound left turn lane.				
Project Code:	S-113				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$7,548	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$6	\$0
205-005A	EXCAVATION	CY		\$23	\$0
205-040A	GRANULAR BORROW	CY		\$34	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$30	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$33	\$0
301-010A	GRANULAR SUBBASE	CY		\$36	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$27	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$4	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$931	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$44	\$0
405-245A	APPROACH	EA		\$2,355	\$0
405-260A	WEDGE MILLING	SY		\$11	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$128	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$3	\$0
409-015A	CONC PAV	SY		\$125	\$0
411-005A	URBAN CONC PAV	SY		\$61	\$0
614-015A	CONC SIDEWALK	SY		\$74	\$0
614-020A	DRIVEWAY	EA		\$2,316	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$39	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS		\$1,800,000	\$0
C.1	COMB CURB & GUTTER TY 2	FT		\$38	\$0
C.2	10' SHARED USE PATH	FT		\$34	\$0
C.3	ADD 12' LANE	LF	150	\$56	\$8,471
C.4	RIGHT OF WAY	SF	3000	\$6.87	\$20,610
C.5	DRYWELL	EA		\$2,700	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$1,454
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$582
C.8	SURVEY (5%)	LS	1	5%	\$1,454
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$872
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$1,163
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$2,908
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$1,454
C.13	MOBILIZATION (10%)	LS	1	10%	\$2,908
CONSTRUCTION ITEMS SUBTOTAL					\$42,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$5,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$7,000
ANTICIPATED PROJECT COSTS					\$54,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Spokane and 15th				
DESCRIPTION:	Intersection: Install signal when warranted.				
Project Code:	S-54				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	TRAFFIC SIGNAL INSTALLATION	LS	1	\$364,000	\$364,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	924	\$4.81	\$4,444
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$18,422
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$7,369
C.8	SURVEY (5%)	LS	1	5%	\$18,422
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$11,053
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$14,738
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$36,844
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$18,422
C.13	MOBILIZATION (10%)	LS	1	10%	\$36,844
CONSTRUCTION ITEMS SUBTOTAL					\$531,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$54,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$80,000
ANTICIPATED PROJECT COSTS					\$665,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Spokane and 12th				
DESCRIPTION:	Intersection: Restrict left turns and through movements from 12th				
Project Code:	S-55				
Project Size:	Small				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0a	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.0b	INSTALL TRAFFIC ISLAND W/ CURB	LS	1	\$117,000	\$117,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$5,900
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$2,360
C.8	SURVEY (5%)	LS	1	5%	\$5,900
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$3,540
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$4,720
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$11,800
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$5,900
C.13	MOBILIZATION (10%)	LS	1	10%	\$11,800
CONSTRUCTION ITEMS SUBTOTAL					\$170,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$17,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$26,000
ANTICIPATED PROJECT COSTS					\$213,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Idaho and 15th/16th				
DESCRIPTION:	Intersection: Add 100' EB left turn lane, install signal when warranted.				
Project Code:	S-78				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	14	\$19	\$268
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	84	\$52	\$4,330
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	TRAFFIC SIGNAL INSTALLATION	LS	1	\$364,000	\$364,000
C.1	COMB CURB & GUTTER TY 2	FT	200	\$27	\$5,320
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	200	\$40	\$7,906
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$19,091
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$7,636
C.8	SURVEY (5%)	LS	1	5%	\$19,091
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$11,455
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$15,273
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$38,182
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$19,091
C.13	MOBILIZATION (10%)	LS	1	10%	\$38,182
CONSTRUCTION ITEMS SUBTOTAL					\$550,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$55,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$83,000
ANTICIPATED PROJECT COSTS					\$688,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Idaho and 12th				
DESCRIPTION:	Intersection: Restrict left and through movements from 12th				
Project Code:	S-79				
Project Size:	Small				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0a	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.0b	INSTALL TRAFFIC ISLAND W CURB	LS	1	\$117,000	\$117,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$5,900
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$2,360
C.8	SURVEY (5%)	LS	1	5%	\$5,900
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$3,540
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$4,720
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$11,800
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$5,900
C.13	MOBILIZATION (10%)	LS	1	10%	\$11,800
CONSTRUCTION ITEMS SUBTOTAL					\$170,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$17,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$26,000
ANTICIPATED PROJECT COSTS					\$213,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Compton, 12th to 15th				
DESCRIPTION:	Add curb/gutter and 5' sidewalk,1100'				
Project Code:	S-55a				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY	489	\$4	\$1,889
205-005A	EXCAVATION	CY	428	\$16	\$6,978
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	350	\$19	\$6,707
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY	489	\$31	\$14,980
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	1222	\$52	\$62,994
614-020A	DRIVEWAY	EA	9	\$1,621	\$14,590
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.1	COMB CURB & GUTTER TY 2	FT	2200	\$27	\$58,520
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$8,333
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$3,333
C.8	SURVEY (5%)	LS	1	5%	\$8,333
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$5,000
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$6,666
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$16,666
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$8,333
C.13	MOBILIZATION (10%)	LS	1	10%	\$16,666
CONSTRUCTION ITEMS SUBTOTAL					\$240,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$24,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$36,000
ANTICIPATED PROJECT COSTS					\$300,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Henry and Mullan				
DESCRIPTION:	Intersection: Install a roundabout				
Project Code:	S-65				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT MULTI LANE ROUNDABOUT	LS	1	\$2,000,000	\$2,000,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	1200	\$4.81	\$5,771
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$100,289
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$40,115
C.8	SURVEY (5%)	LS	1	5%	\$100,289
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$60,173
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$80,231
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$200,577
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$100,289
C.13	MOBILIZATION (10%)	LS	1	10%	\$200,577
CONSTRUCTION ITEMS SUBTOTAL					\$2,889,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$289,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$434,000
ANTICIPATED PROJECT COSTS					\$3,612,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Chase Road RR Crossing				
DESCRIPTION:	Intersection: Widen Chase Rd BNSF Railroad Crossing				
Project Code:	S-RR1				
Project Size:	Medium				
Project Timeline:	Short Term (2018-2022)				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$7,548	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$6	\$0
205-005A	EXCAVATION	CY	31	\$23	\$722
205-040A	GRANULAR BORROW	CY		\$34	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$30	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$33	\$0
301-010A	GRANULAR SUBBASE	CY		\$36	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	16	\$27	\$438
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$4	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$931	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY	94	\$44	\$4,114
405-245A	APPROACH	EA	16	\$2,355	\$37,679
405-260A	WEDGE MILLING	SY		\$11	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$128	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$3	\$0
409-015A	CONC PAV	SY		\$125	\$0
411-005A	URBAN CONC PAV	SY		\$61	\$0
614-015A	CONC SIDEWALK	SY		\$74	\$0
614-020A	DRIVEWAY	EA		\$2,316	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$39	\$0
C.0	FURNISH AND INSTALL RR CROSSING PLANKS 60'	FT	60	\$1,000	\$60,000
C.1	COMB CURB & GUTTER TY 2	FT		\$38	\$0
C.2	10' SHARED USE PATH	FT		\$34	\$0
C.3	ADD 12' LANE	LF		\$56	\$0
C.4	RIGHT OF WAY	SF		\$6.87	\$0
C.5	DRYWELL	EA		\$2,700	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$5,148
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$2,059
C.8	SURVEY (5%)	LS	1	5%	\$5,148
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$3,089
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$4,118
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$10,295
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$5,148
C.13	MOBILIZATION (10%)	LS	1	10%	\$10,295
CONSTRUCTION ITEMS SUBTOTAL					\$149,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$15,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$23,000
ANTICIPATED PROJECT COSTS					\$187,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Cecil (w. 1/2 Mile), 16th to Horsehaven				
DESCRIPTION:	Upgrade: Rebuild as Major Collector				
Project Code:	M-R248				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	375	\$52	\$19,331
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.1	COMB CURB & GUTTER TY 2	FT	2000	\$27	\$53,200
C.2	10' SHARED USE PATH	FT	1325	\$24	\$31,356
C.3	ADD 12' LANE	LF	500	\$40	\$19,765
C.4	RIGHT OF WAY	SF	12000	\$4.81	\$57,708
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$9,068
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$3,627
C.8	SURVEY (5%)	LS	1	5%	\$9,068
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$5,441
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$7,254
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$18,136
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$9,068
C.13	MOBILIZATION (10%)	LS	1	10%	\$18,136
CONSTRUCTION ITEMS SUBTOTAL					\$262,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$27,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$40,000
ANTICIPATED PROJECT COSTS					\$329,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Greensferry and Bogie Dr.				
DESCRIPTION:	Intersection: Convert to all way stop control				
Project Code:	M-110				
Project Size:	Small				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$50
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$20
C.8	SURVEY (5%)	LS	1	5%	\$50
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$30
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$40
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$100
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$50
C.13	MOBILIZATION (10%)	LS	1	10%	\$100
CONSTRUCTION ITEMS SUBTOTAL					\$2,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$1,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$1,000
ANTICIPATED PROJECT COSTS					\$4,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Prairie (Meyer to SH-41)				
DESCRIPTION:	Upgrade: Rebuild as 5 lane Minor Arterial				
Project Code:	M-R216				
Project Size:	Large				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,532	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$14	\$0
205-040A	GRANULAR BORROW	CY		\$17	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$14	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$19	\$0
301-010A	GRANULAR SUBBASE	CY		\$31	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$20	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$501	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$23	\$0
405-245A	APPROACH	EA		\$1,598	\$0
405-260A	WEDGE MILLING	SY		\$6	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$82	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$69	\$0
411-005A	URBAN CONC PAV	SY		\$128	\$0
614-015A	CONC SIDEWALK	SY	2935	\$59	\$172,239
614-020A	DRIVEWAY	EA		\$1,884	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.1	COMB CURB & GUTTER TY 2	FT	10560	\$26	\$276,883
C.2	10' SHARED USE PATH	FT	5280	\$23	\$118,895
C.3	ADD 12' LANE	LF	15840	\$37	\$591,549
C.4	RIGHT OF WAY	SF	348935	\$6.87	\$2,397,183
C.5	DRYWELL	EA		\$1,863	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$177,837
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$71,135
C.8	SURVEY (5%)	LS	1	5%	\$177,837
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$106,702
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$142,270
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$355,675
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$177,837
C.13	MOBILIZATION (10%)	LS	1	10%	\$355,675
CONSTRUCTION ITEMS SUBTOTAL					\$5,122,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$513,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$769,000
ANTICIPATED PROJECT COSTS					\$6,404,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Prairie (Greensferry to SH-41)				
DESCRIPTION:	Upgrade: Rebuild as 5 lane Minor Arterial				
Project Code:	M-R216a				
Project Size:	Large				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$3,873	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$3	\$0
205-005A	EXCAVATION	CY		\$10	\$0
205-040A	GRANULAR BORROW	CY		\$12	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$10	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$14	\$0
301-010A	GRANULAR SUBBASE	CY		\$22	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$14	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$2	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$351	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$1	\$0
405-240A	MISC PAV	SY		\$16	\$0
405-245A	APPROACH	EA		\$1,118	\$0
405-260A	WEDGE MILLING	SY		\$4	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$57	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$48	\$0
411-005A	URBAN CONC PAV	SY		\$90	\$0
614-015A	CONC SIDEWALK	SY	2935	\$41	\$120,567
614-020A	DRIVEWAY	EA		\$1,319	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$20	\$0
C.1	COMB CURB & GUTTER TY 2	FT	10560	\$18	\$193,818
C.2	10' SHARED USE PATH	FT	5280	\$16	\$83,226
C.3	ADD 12' LANE	LF	15840	\$26	\$414,084
C.4	RIGHT OF WAY	SF	348935	\$4.81	\$1,678,028
C.5	DRYWELL	EA		\$1,304	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$124,486
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$49,794
C.8	SURVEY (5%)	LS	1	5%	\$124,486
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$74,692
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$99,589
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$248,972
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$124,486
C.13	MOBILIZATION (10%)	LS	1	10%	\$248,972
CONSTRUCTION ITEMS SUBTOTAL					\$3,586,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$359,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$538,000
ANTICIPATED PROJECT COSTS					\$4,483,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Corbin and Seltice				
DESCRIPTION:	Intersection: Add 100' southbond left turn lane and install signal when warranted				
Project Code:	M-25				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	41	\$19	\$786
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	240	\$52	\$12,372
614-020A	DRIVEWAY	EA	2	\$1,621	\$3,242
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	TRAF SIGNAL INSTALLATION	LS	1	\$364,000	\$364,000
C.1	COMB CURB & GUTTER TY 2	FT	441	\$27	\$11,731
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	200	\$40	\$7,906
C.4	RIGHT OF WAY	SF	10890	\$4.81	\$52,370
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$22,620
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$9,048
C.8	SURVEY (5%)	LS	1	5%	\$22,620
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$13,572
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$18,096
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$45,241
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$22,620
C.13	MOBILIZATION (10%)	LS	1	10%	\$45,241
CONSTRUCTION ITEMS SUBTOTAL					\$652,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$66,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$98,000
ANTICIPATED PROJECT COSTS					\$816,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Spokane St. @ I-90 WB/6th Ave and 6th Ave: Frederick to Spokane				
DESCRIPTION:	Intersection: Modify signal and approach to allow movement from WB 6th				
Project Code:	M-59				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY	800	\$4	\$3,091
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	28	\$19	\$537
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	335	\$52	\$17,269
614-020A	DRIVEWAY	EA	2	\$1,621	\$3,242
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	TRAF SIGNAL INSTALLATION	LS	1	\$310,000	\$232,500
C.1	COMB CURB & GUTTER TY 2	FT	600	\$27	\$15,960
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	600	\$40	\$23,719
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$14,816
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$5,926
C.8	SURVEY (5%)	LS	1	5%	\$14,816
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$8,890
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$11,853
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$29,632
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$14,816
C.13	MOBILIZATION (10%)	LS	1	10%	\$29,632
CONSTRUCTION ITEMS SUBTOTAL					\$427,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$43,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$65,000
ANTICIPATED PROJECT COSTS					\$535,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Idaho St and 4th Ave				
DESCRIPTION:	Intersection: Construct single lane Roundabout				
Project Code:	M-83				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	10890	\$4.81	\$52,370
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$92,619
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$37,047
C.8	SURVEY (5%)	LS	1	5%	\$92,619
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$55,571
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$74,095
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$185,237
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$92,619
C.13	MOBILIZATION (10%)	LS	1	10%	\$185,237
CONSTRUCTION ITEMS SUBTOTAL					\$2,668,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$267,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$401,000
ANTICIPATED PROJECT COSTS					\$3,336,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	McGuire, Seltice to Midway				
DESCRIPTION:	Upgrade: Rebuild to 4 lanes				
Project Code:	M-R227				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	2375	\$52	\$122,431
614-020A	DRIVEWAY	EA	6	\$1,621	\$9,727
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.1	COMB CURB & GUTTER TY 2	FT	5800	\$27	\$154,280
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	5280	\$40	\$208,724
C.4	RIGHT OF WAY	SF	32160	\$4.81	\$154,657
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$32,491
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$12,996
C.8	SURVEY (5%)	LS	1	5%	\$32,491
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$19,495
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$25,993
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$64,982
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$32,491
C.13	MOBILIZATION (10%)	LS	1	10%	\$64,982
CONSTRUCTION ITEMS SUBTOTAL					\$936,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$94,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$141,000
ANTICIPATED PROJECT COSTS					\$1,171,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Clark Fork and Seltice				
DESCRIPTION:	Intersection: Construct dual lane Roundabout				
Project Code:	M-38				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT DUAL LANE ROUNDABOUT	LS	1	\$2,000,000	\$2,000,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	10890	\$4.81	\$52,370
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$102,619
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$41,047
C.8	SURVEY (5%)	LS	1	5%	\$102,619
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$61,571
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$82,095
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$205,237
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$102,619
C.13	MOBILIZATION (10%)	LS	1	10%	\$205,237
CONSTRUCTION ITEMS SUBTOTAL					\$2,956,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$296,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$444,000
ANTICIPATED PROJECT COSTS					\$3,696,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Poleline, McGuire to Clark Fork Pkwy				
DESCRIPTION:	New Construction: Build as Minor Arterial, including grade separation				
Project Code:	NKNL2				
Project Size:	Large				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,532	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$14	\$0
205-040A	GRANULAR BORROW	CY	8296	\$17	\$144,331
205-060A	WATER FOR DUST ABATEMENT	MG		\$14	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$19	\$0
301-010A	GRANULAR SUBBASE	CY		\$31	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$20	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$501	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$23	\$0
405-245A	APPROACH	EA		\$1,598	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$82	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$69	\$0
411-005A	URBAN CONC PAV	SY		\$128	\$0
614-015A	CONC SIDEWALK	SY		\$59	\$0
614-020A	DRIVEWAY	EA		\$1,884	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0a	RETAINING WALLS	SF	1500	\$200	\$300,000
C.0b	BUILD A MINOR ARTERIAL, 40' PAVED WIDTH	LF	1600	\$250	\$400,000
C.0c	BUILD GRADE SEPARATION OVER RAILROAD	SF	11200	\$350	\$3,920,000
C.1	COMB CURB & GUTTER TY 2	FT		\$26	\$0
C.2	10' SHARED USE PATH	FT		\$23	\$0
C.3	ADD 12' LANE	LF		\$37	\$0
C.4	RIGHT OF WAY	SF	85000	\$6.87	\$583,950
C.5	DRYWELL	EA		\$1,863	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$267,414
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$106,966
C.8	SURVEY (5%)	LS	1	5%	\$267,414
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$160,448
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$213,931
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$534,828
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$267,414
C.13	MOBILIZATION (10%)	LS	1	10%	\$534,828
CONSTRUCTION ITEMS SUBTOTAL					\$7,702,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$771,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$1,156,000
ANTICIPATED PROJECT COSTS					\$9,629,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Cecil and Prairie				
DESCRIPTION:	Intersection: Add left turn lanes. Install signal when warranted.				
Project Code:	NKNL4				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	200	\$19	\$3,833
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	225	\$52	\$11,599
614-020A	DRIVEWAY	EA	0	\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	TRAF SIGNAL INSTALLATION	LS	1	\$364,000	\$364,000
C.1	COMB CURB & GUTTER TY 2	FT	400	\$27	\$10,640
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	200	\$40	\$7,906
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$19,899
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$7,960
C.8	SURVEY (5%)	LS	1	5%	\$19,899
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$11,939
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$15,919
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$39,798
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$19,899
C.13	MOBILIZATION (10%)	LS	1	10%	\$39,798
CONSTRUCTION ITEMS SUBTOTAL					\$574,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$58,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$87,000
ANTICIPATED PROJECT COSTS					\$719,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	W 1/4 Mile and Prairie				
DESCRIPTION:	Intersection: Construct dual lane roundabout				
Project Code:	NKNL5				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT DUAL LANE ROUNDABOUT	LS	1	\$2,000,000	\$2,000,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$100,000
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$40,000
C.8	SURVEY (5%)	LS	1	5%	\$100,000
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$60,000
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$80,000
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$200,000
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$100,000
C.13	MOBILIZATION (10%)	LS	1	10%	\$200,000
CONSTRUCTION ITEMS SUBTOTAL					\$2,880,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$288,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$432,000
ANTICIPATED PROJECT COSTS					\$3,600,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	E 1/4 Mile and Prairie				
DESCRIPTION:	Intersection: Construct dual lane roundabout				
Project Code:	NKNL6				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT DUAL LANE ROUNDABOUT	LS	1	\$2,000,000	\$2,000,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$100,000
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$40,000
C.8	SURVEY (5%)	LS	1	5%	\$100,000
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$60,000
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$80,000
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$200,000
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$100,000
C.13	MOBILIZATION (10%)	LS	1	10%	\$200,000
CONSTRUCTION ITEMS SUBTOTAL					\$2,880,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$288,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$432,000
ANTICIPATED PROJECT COSTS					\$3,600,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	E 1/2 Mile and Prairie				
DESCRIPTION:	Intersection: Construct dual lane roundabout				
Project Code:	NKNL8				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	DUAL LANE ROUNDABOUT	LS	1	\$2,000,000	\$2,000,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$100,000
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$40,000
C.8	SURVEY (5%)	LS	1	5%	\$100,000
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$60,000
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$80,000
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$200,000
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$100,000
C.13	MOBILIZATION (10%)	LS	1	10%	\$200,000
CONSTRUCTION ITEMS SUBTOTAL					\$2,880,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$288,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$432,000
ANTICIPATED PROJECT COSTS					\$3,600,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Pleasant View and Seltice				
DESCRIPTION:	Intersection: Add NB and SB right turn lanes, adjust signal timing				
Project Code:	NKNL8				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY	2935	\$4	\$11,341
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	275	\$52	\$14,176
614-020A	DRIVEWAY	EA	2	\$1,621	\$3,242
615-491A	CURB & GUTTER TYPE 1	FT	500	\$28	\$13,818
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	400	\$40	\$15,812
C.4	RIGHT OF WAY	SF	0	\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$2,919
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$1,168
C.8	SURVEY (5%)	LS	1	5%	\$2,919
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$1,752
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$2,336
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$5,839
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$2,919
C.13	MOBILIZATION (10%)	LS	1	10%	\$5,839
CONSTRUCTION ITEMS SUBTOTAL					\$85,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$9,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$13,000
ANTICIPATED PROJECT COSTS					\$107,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Pleasant View and Riverbend				
DESCRIPTION:	Intersection: Add NB through lane, convert striping on all approaches				
Project Code:	NKNL9				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY	45	\$4	\$174
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	130	\$19	\$2,491
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	111	\$52	\$5,722
614-020A	DRIVEWAY	EA	2	\$1,621	\$3,242
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	OBLITERATION OF EXISTING PAVEMENT MARKINGS	SF	500	\$3	\$1,500
C.1	COMB CURB & GUTTER TY 2	FT	250	\$27	\$6,650
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	200	\$40	\$7,906
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$1,384
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$554
C.8	SURVEY (5%)	LS	1	5%	\$1,384
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$831
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$1,107
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$2,769
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$1,384
C.13	MOBILIZATION (10%)	LS	1	10%	\$2,769
CONSTRUCTION ITEMS SUBTOTAL					\$40,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$4,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$6,000
ANTICIPATED PROJECT COSTS					\$50,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Corbin Road and Prairie				
DESCRIPTION:	Intersection: Add NB left turn lane				
Project Code:	NKNL10				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF	200	\$94	\$18,805
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$940
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$376
C.8	SURVEY (5%)	LS	1	5%	\$940
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$564
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$752
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$1,880
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$940
C.13	MOBILIZATION (10%)	LS	1	10%	\$1,880
CONSTRUCTION ITEMS SUBTOTAL					\$28,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$3,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$5,000
ANTICIPATED PROJECT COSTS					\$36,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	McGuire Road and Poleline				
DESCRIPTION:	Intersection: Convert to all-way stop control				
Project Code:	NKNL11				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$50
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$20
C.8	SURVEY (5%)	LS	1	5%	\$50
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$30
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$40
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$100
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$50
C.13	MOBILIZATION (10%)	LS	1	10%	\$100
CONSTRUCTION ITEMS SUBTOTAL					\$2,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$1,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$1,000
ANTICIPATED PROJECT COSTS					\$4,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	McGuire Road and Seltice				
DESCRIPTION:	Intersection: Add NB thru/right turn lane, SB receiving lane				
Project Code:	NKNL12				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY	89	\$4	\$344
205-005A	EXCAVATION	CY	192	\$16	\$3,130
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	25	\$19	\$479
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY	533	\$31	\$16,328
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	225	\$52	\$11,599
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.1	COMB CURB & GUTTER TY 2	FT	400	\$27	\$10,640
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	400	\$40	\$15,812
C.4	RIGHT OF WAY	SF	2500	\$4.81	\$12,023
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$3,518
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$1,407
C.8	SURVEY (5%)	LS	1	5%	\$3,518
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$2,111
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$2,814
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$7,036
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$3,518
C.13	MOBILIZATION (10%)	LS	1	10%	\$7,036
CONSTRUCTION ITEMS SUBTOTAL					\$102,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$11,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$16,000
ANTICIPATED PROJECT COSTS					\$129,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	McGuire Road and Riverbend				
DESCRIPTION:	Intersection: Add EB left turn lane				
Project Code:	NKNL13				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY	100	\$32	\$3,150
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF	200	\$94	\$18,805
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$1,098
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$439
C.8	SURVEY (5%)	LS	1	5%	\$1,098
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$659
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$878
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$2,195
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$1,098
C.13	MOBILIZATION (10%)	LS	1	10%	\$2,195
CONSTRUCTION ITEMS SUBTOTAL					\$32,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$4,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$5,000
ANTICIPATED PROJECT COSTS					\$41,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Spokane St. and 3rd				
DESCRIPTION:	Intersection: Install signal when warranted				
Project Code:	NKNL14				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	TRAF SIGNAL INSTALLATION	LS	1	\$364,000	\$364,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	0	\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$18,200
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$7,280
C.8	SURVEY (5%)	LS	1	5%	\$18,200
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$10,920
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$14,560
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$36,400
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$18,200
C.13	MOBILIZATION (10%)	LS	1	10%	\$36,400
CONSTRUCTION ITEMS SUBTOTAL					\$525,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$53,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$79,000
ANTICIPATED PROJECT COSTS					\$657,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Henry and 3rd				
DESCRIPTION:	Intersection: Convert to all-way stop control				
Project Code:	NKNL15				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$50
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$20
C.8	SURVEY (5%)	LS	1	5%	\$50
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$30
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$40
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$100
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$50
C.13	MOBILIZATION (10%)	LS	1	10%	\$100
CONSTRUCTION ITEMS SUBTOTAL					\$2,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$1,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$1,000
ANTICIPATED PROJECT COSTS					\$4,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Idaho and Polston				
DESCRIPTION:	Intersection: Restrict WB left turn lanes				
Project Code:	NKNL16				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	INSTALL TRAFFIC ISLAND W CURB	EA	1	\$45,000	\$45,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$2,250
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$900
C.8	SURVEY (5%)	LS	1	5%	\$2,250
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$1,350
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$1,800
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$4,500
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$2,250
C.13	MOBILIZATION (10%)	LS	1	10%	\$4,500
CONSTRUCTION ITEMS SUBTOTAL					\$65,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$7,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$10,000
ANTICIPATED PROJECT COSTS					\$82,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST

PROJECT:	Idaho and Seltice				
DESCRIPTION:	Intersection: Add 2nd NB thru lane				
Project Code:	NKNL16				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY	80	\$32	\$2,520
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	17	\$32	\$545
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY	100	\$89	\$8,912
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT	180	\$27	\$4,837
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF	180	\$94	\$16,924
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$1,687
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$675
C.8	SURVEY (5%)	LS	1	5%	\$1,687
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$1,012
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$1,350
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$3,374
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$1,687
C.13	MOBILIZATION (10%)	LS	1	10%	\$3,374
CONSTRUCTION ITEMS SUBTOTAL					\$49,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$5,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$8,000
ANTICIPATED PROJECT COSTS					\$62,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Syringa and 16th				
DESCRIPTION:	Intersection: Convert to all way stop control				
Project Code:	NKNL18				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$50
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$20
C.8	SURVEY (5%)	LS	1	5%	\$50
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$30
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$40
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$100
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$50
C.13	MOBILIZATION (10%)	LS	1	10%	\$100
CONSTRUCTION ITEMS SUBTOTAL					\$2,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$1,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$1,000
ANTICIPATED PROJECT COSTS					\$4,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Syringa and 12th				
DESCRIPTION:	Intersection: Convert to all way stop control				
Project Code:	NKNL19				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$50
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$20
C.8	SURVEY (5%)	LS	1	5%	\$50
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$30
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$40
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$100
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$50
C.13	MOBILIZATION (10%)	LS	1	10%	\$100
CONSTRUCTION ITEMS SUBTOTAL					\$2,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$1,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$1,000
ANTICIPATED PROJECT COSTS					\$4,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Syringa and Mullan				
DESCRIPTION:	Intersection: Construct single lane roundabout				
Project Code:	NKNL20				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	10890	\$4.81	\$52,370
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$92,619
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$37,047
C.8	SURVEY (5%)	LS	1	5%	\$92,619
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$55,571
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$74,095
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$185,237
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$92,619
C.13	MOBILIZATION (10%)	LS	1	10%	\$185,237
CONSTRUCTION ITEMS SUBTOTAL					\$2,668,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$267,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$401,000
ANTICIPATED PROJECT COSTS					\$3,336,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Greensferry and Bluegrass/Hope				
DESCRIPTION:	Intersection: Construct single lane roundabout				
Project Code:	NKNL21				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	10890	\$4.81	\$52,370
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$92,619
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$37,047
C.8	SURVEY (5%)	LS	1	5%	\$92,619
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$55,571
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$74,095
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$185,237
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$92,619
C.13	MOBILIZATION (10%)	LS	1	10%	\$185,237
CONSTRUCTION ITEMS SUBTOTAL					\$2,668,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$267,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$401,000
ANTICIPATED PROJECT COSTS					\$3,336,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Greensferry and 16th				
DESCRIPTION:	Intersection: Install signal				
Project Code:	NKNL22				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	54	\$19	\$1,035
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	775	\$52	\$39,951
614-020A	DRIVEWAY	EA	4	\$1,621	\$6,484
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	TRAFFIC SIGNAL INSTALLATION	LS	1	\$364,000	\$364,000
C.1	COMB CURB & GUTTER TY 2	FT	1400	\$27	\$37,240
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	800	\$40	\$31,625
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$24,017
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$9,607
C.8	SURVEY (5%)	LS	1	5%	\$24,017
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$14,410
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$19,213
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$48,034
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$24,017
C.13	MOBILIZATION (10%)	LS	1	10%	\$48,034
CONSTRUCTION ITEMS SUBTOTAL					\$692,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$70,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$104,000
ANTICIPATED PROJECT COSTS					\$866,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Greensferry and 12th - Roundabout				
DESCRIPTION:	Intersection: Construct single lane roundabout.				
Project Code:	KNNL23				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	INSTALL SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	10890	\$4.81	\$52,370
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$92,619
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$37,047
C.8	SURVEY (5%)	LS	1	5%	\$92,619
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$55,571
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$74,095
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$185,237
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$92,619
C.13	MOBILIZATION (10%)	LS	1	10%	\$185,237
CONSTRUCTION ITEMS SUBTOTAL					\$2,668,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$267,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$401,000
ANTICIPATED PROJECT COSTS					\$3,336,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Greensferry and Seltice				
DESCRIPTION:	Intersection: Add SB right turn lane, convert NB right turn to right/thru				
Project Code:	NKNL24				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	10	\$19	\$192
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	56	\$52	\$2,887
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	200	\$6	\$1,200
C.1	COMB CURB & GUTTER TY 2	FT	100	\$27	\$2,660
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	100	\$40	\$3,953
C.4	RIGHT OF WAY	SF	0	\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$545
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$218
C.8	SURVEY (5%)	LS	1	5%	\$545
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$327
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$436
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$1,089
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$545
C.13	MOBILIZATION (10%)	LS	1	10%	\$1,089
CONSTRUCTION ITEMS SUBTOTAL					\$16,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$2,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$3,000
ANTICIPATED PROJECT COSTS					\$21,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Greensferry and 3rd				
DESCRIPTION:	Intersection: Construct single lane roundabout				
Project Code:	NKNL25				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	5445	\$4.81	\$26,185
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$91,309
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$36,524
C.8	SURVEY (5%)	LS	1	5%	\$91,309
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$54,786
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$73,047
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$182,619
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$91,309
C.13	MOBILIZATION (10%)	LS	1	10%	\$182,619
CONSTRUCTION ITEMS SUBTOTAL					\$2,630,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$263,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$395,000
ANTICIPATED PROJECT COSTS					\$3,288,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Cecil and Bluegrass/Hope				
DESCRIPTION:	Intersection: Convert to all way stop control				
Project Code:	NKNL26				
Project Size:	Small				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$50
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$20
C.8	SURVEY (5%)	LS	1	5%	\$50
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$30
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$40
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$100
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$50
C.13	MOBILIZATION (10%)	LS	1	10%	\$100
CONSTRUCTION ITEMS SUBTOTAL					\$2,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$1,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$1,000
ANTICIPATED PROJECT COSTS					\$4,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Cecil and 12th				
DESCRIPTION:	Intersection: Add EB and WB left turn lanes				
Project Code:	NKNL28				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY	175	\$32	\$5,513
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA	3	\$2,290	\$6,871
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF	400	\$94	\$37,610
C.4	RIGHT OF WAY	SF	0	\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$2,500
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$1,000
C.8	SURVEY (5%)	LS	1	5%	\$2,500
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$1,500
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$2,000
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$4,999
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$2,500
C.13	MOBILIZATION (10%)	LS	1	10%	\$4,999
CONSTRUCTION ITEMS SUBTOTAL					\$72,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$8,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$11,000
ANTICIPATED PROJECT COSTS					\$91,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	W 1/4 Mile and Poleline				
DESCRIPTION:	Intersection: Construct single lane roundabout				
Project Code:	NKNL29				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	10890	\$4.81	\$52,370
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$92,619
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$37,047
C.8	SURVEY (5%)	LS	1	5%	\$92,619
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$55,571
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$74,095
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$185,237
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$92,619
C.13	MOBILIZATION (10%)	LS	1	10%	\$185,237
CONSTRUCTION ITEMS SUBTOTAL					\$2,668,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$267,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$401,000
ANTICIPATED PROJECT COSTS					\$3,336,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	E 1/4 Mile and Poleline				
DESCRIPTION:	Intersection: Construct single lane roundabout				
Project Code:	NKNL30				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	10890	\$4.81	\$52,370
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$92,619
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$37,047
C.8	SURVEY (5%)	LS	1	5%	\$92,619
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$55,571
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$74,095
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$185,237
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$92,619
C.13	MOBILIZATION (10%)	LS	1	10%	\$185,237
CONSTRUCTION ITEMS SUBTOTAL					\$2,668,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$267,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$401,000
ANTICIPATED PROJECT COSTS					\$3,336,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	E 1/2 Mile and Poleline				
DESCRIPTION:	Intersection: Convert to all way stop control				
Project Code:	KNKL31				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$50
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$20
C.8	SURVEY (5%)	LS	1	5%	\$50
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$30
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$40
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$100
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$50
C.13	MOBILIZATION (10%)	LS	1	10%	\$100
CONSTRUCTION ITEMS SUBTOTAL					\$2,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$1,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$1,000
ANTICIPATED PROJECT COSTS					\$4,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Ross Point and 3rd				
DESCRIPTION:	Intersection: Construct single lane roundabout				
Project Code:	NKNL32				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$90,000
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$36,000
C.8	SURVEY (5%)	LS	1	5%	\$90,000
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$54,000
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$72,000
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$180,000
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$90,000
C.13	MOBILIZATION (10%)	LS	1	10%	\$180,000
CONSTRUCTION ITEMS SUBTOTAL					\$2,592,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$260,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$389,000
ANTICIPATED PROJECT COSTS					\$3,241,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Greensferry and Horsehaven				
DESCRIPTION:	Intersection: Construct single lane roundabout with NB right turn lane				
Project Code:	NKNL33				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	100	\$40	\$3,953
C.4	RIGHT OF WAY	SF	5445	\$4.81	\$26,185
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$91,507
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$36,603
C.8	SURVEY (5%)	LS	1	5%	\$91,507
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$54,904
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$73,206
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$183,014
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$91,507
C.13	MOBILIZATION (10%)	LS	1	10%	\$183,014
CONSTRUCTION ITEMS SUBTOTAL					\$2,636,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$264,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$396,000
ANTICIPATED PROJECT COSTS					\$3,296,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Clearwater Loop and Riverbend				
DESCRIPTION:	Intersection: Add NB left turn lane				
Project Code:	NKNL34				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY	115	\$89	\$10,249
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.1	COMB CURB & GUTTER TY 2	FT	200	\$47	\$9,333
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF	200	\$94	\$18,805
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$1,919
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$768
C.8	SURVEY (5%)	LS	1	5%	\$1,919
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$1,152
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$1,535
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$3,839
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$1,919
C.13	MOBILIZATION (10%)	LS	1	10%	\$3,839
CONSTRUCTION ITEMS SUBTOTAL					\$56,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$6,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$9,000
ANTICIPATED PROJECT COSTS					\$71,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Cecil Road and Horsehaven				
DESCRIPTION:	Intersection: Convert to all way stop control				
Project Code:	NKNL35				
Project Size:	Small				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	PERMANENT SIGNS WITH BREAKAWAY STEEL POSTS	EA	2	\$500	\$1,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$50
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$20
C.8	SURVEY (5%)	LS	1	5%	\$50
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$30
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$40
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$100
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$50
C.13	MOBILIZATION (10%)	LS	1	10%	\$100
CONSTRUCTION ITEMS SUBTOTAL					\$2,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$1,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$1,000
ANTICIPATED PROJECT COSTS					\$4,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Poleline, Greensferry to Charleville				
DESCRIPTION:	UPGRADE: Complete 4 lane section (north 1/2)				
Project Code:	NKNL36				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY	1335	\$16	\$21,767
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	119	\$19	\$2,280
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.1	COMB CURB & GUTTER TY 2	FT	3000	\$27	\$79,800
C.2	10' SHARED USE PATH	FT	1890	\$24	\$44,726
C.3	ADD 12' LANE	LF	3000	\$40	\$118,593
C.4	RIGHT OF WAY	SF	16000	\$4.81	\$76,944
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$17,206
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$6,882
C.8	SURVEY (5%)	LS	1	5%	\$17,206
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$10,323
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$13,764
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$34,411
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$17,206
C.13	MOBILIZATION (10%)	LS	1	10%	\$34,411
CONSTRUCTION ITEMS SUBTOTAL					\$496,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$50,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$75,000
ANTICIPATED PROJECT COSTS					\$621,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Chase Road and Poleline Avenue				
DESCRIPTION:	Intersection: Install roundabout				
Project Code:	NKNL37				
Project Size:	Medium				
Project Timeline:	Long Term (2027-2037)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	CONSTRUCT SINGLE LANE ROUNDABOUT	LS	1	\$1,800,000	\$1,800,000
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	10890	\$4.81	\$52,370
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$92,619
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$37,047
C.8	SURVEY (5%)	LS	1	5%	\$92,619
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$55,571
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$74,095
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$185,237
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$92,619
C.13	MOBILIZATION (10%)	LS	1	10%	\$185,237
CONSTRUCTION ITEMS SUBTOTAL					\$2,668,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$267,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$401,000
ANTICIPATED PROJECT COSTS					\$3,336,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Compton, 15th to Poleline				
DESCRIPTION:	Multimodal Upgrade: Incorporate Bicycle and Pedestrian Facilities				
Project Code:	MM-08				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
203-070A	REM OF CURB AND GUTTER	FT	150	\$12	\$1,800
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY	2260	\$52	\$116,502
614-020A	DRIVEWAY	EA	20	\$1,621	\$32,422
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0a	WIDEN ROADWAY FOR 2-5 FOOT BICYCLE LANES (BOTH SIDES)	FT	1320	\$100	\$132,000
C.0b	WIDEN ROADWAY FOR 1-5 FOOT BICYCLE LANE	FT	1460	\$50	\$73,000
C.1	COMB CURB & GUTTER TY 2	FT	4220	\$27	\$112,252
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$23,399
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$9,360
C.8	SURVEY (5%)	LS	1	5%	\$23,399
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$14,039
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$18,719
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$46,798
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$23,399
C.13	MOBILIZATION (10%)	LS	1	10%	\$46,798
CONSTRUCTION ITEMS SUBTOTAL					\$674,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$68,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$102,000
ANTICIPATED PROJECT COSTS					\$844,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Compton, Mullan to 12th				
DESCRIPTION:	Multimodal Upgrade: Incorporate Bicycle and Pedestrian Facilities				
Project Code:	MM-97				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA	9	\$1,621	\$14,590
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0a	INSTALL CROSSING IMPROVEMENTS	EA	3	\$12,000	\$36,000
C.0b	CONSTRUCT NEW 8' SIDEWALK	FT	1300	\$50	\$65,000
C.0c	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	1300	\$4	\$5,200
C.1	COMB CURB & GUTTER TY 2	FT	1300	\$27	\$34,580
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$7,768
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$3,107
C.8	SURVEY (5%)	LS	1	5%	\$7,768
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$4,661
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$6,215
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$15,537
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$7,768
C.13	MOBILIZATION (10%)	LS	1	10%	\$15,537
CONSTRUCTION ITEMS SUBTOTAL					\$200,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$20,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$30,000
ANTICIPATED PROJECT COSTS					\$250,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Seltice, Pleasant View to McGuire				
DESCRIPTION:	Multimodal New Construction: Build Class I Trail				
Project Code:	MM-16				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	BUILD CLASS I TRAIL (10')	FT	5280	\$46	\$242,880
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	21725	\$4.81	\$104,476
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$17,368
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$6,947
C.8	SURVEY (5%)	LS	1	5%	\$17,368
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$10,421
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$13,894
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$34,736
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$17,368
C.13	MOBILIZATION (10%)	LS	1	10%	\$34,736
CONSTRUCTION ITEMS SUBTOTAL					\$501,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$51,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$76,000
ANTICIPATED PROJECT COSTS					\$628,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Seltice, Idaho to Bay				
DESCRIPTION:	Multimodal Upgrade: Incorporate Bicycle and Pedestrian Facilities				
Project Code:	MM-18				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$7,548	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$6	\$0
203-060A	REM OF CONCRETE SIDEWALK	SY	189	\$5	\$945
203-070A	REM OF CURB AND GUTTER	FT	4300	\$4	\$15,050
205-005A	EXCAVATION	CY		\$23	\$0
205-040A	GRANULAR BORROW	CY		\$34	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$30	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$33	\$0
301-010A	GRANULAR SUBBASE	CY		\$36	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$27	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$4	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$931	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$44	\$0
405-245A	APPROACH	EA		\$2,355	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$128	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$3	\$0
409-015A	CONC PAV	SY		\$125	\$0
411-005A	URBAN CONC PAV	SY		\$61	\$0
614-015A	CONC SIDEWALK	SY		\$74	\$0
614-020A	DRIVEWAY	EA	8	\$2,316	\$18,527
615-491A	CURB & GUTTER TYPE 1	FT		\$39	\$0
C.0a	CONSTRUCT NEW 5' SIDEWALK	FT	6400	\$35	\$224,000
C.0b	WIDEN ROADWAY FOR 2-5 FOOT BICYCLE LANES (BOTH SIDES)	FT	3200	\$45	\$144,000
C.0c	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	6400	\$4	\$25,600
C.1	COMB CURB & GUTTER TY 2	FT	3200	\$38	\$121,600
C.2	10' SHARED USE PATH	FT		\$34	\$0
C.3	ADD 12' LANE	LF		\$56	\$0
C.4	RIGHT OF WAY	SF		\$6.87	\$0
C.5	DRYWELL	EA		\$2,700	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$27,486
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$10,994
C.8	SURVEY (5%)	LS	1	5%	\$27,486
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$16,492
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$21,989
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$54,972
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$27,486
C.13	MOBILIZATION (10%)	LS	1	10%	\$54,972
CONSTRUCTION ITEMS SUBTOTAL					\$792,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$80,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$119,000
ANTICIPATED PROJECT COSTS					\$991,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Seltice, Bay to SH-41				
DESCRIPTION:	Multimodal Upgrade: Incorporate Bicycle and Pedestrian Facilities				
Project Code:	MM-11				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
203-060A	REM OF CONCRETE SIDEWALK	SY	7556	\$5	\$37,780
203-070A	REM OF CURB AND GUTTER	FT	15200	\$4	\$53,200
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA	42	\$1,621	\$68,086
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0a	CONSTRUCT NEW 5' SIDEWALK	FT	13600	\$35	\$476,000
C.0b	WIDEN ROADWAY FOR 2-5 FOOT BICYCLE LANES (BOTH SIDES)	FT	7600	\$45	\$342,000
C.0c	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	15200	\$4	\$60,800
C.1	COMB CURB & GUTTER TY 2	FT	15200	\$27	\$404,320
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	38000	\$4.81	\$182,742
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$81,246
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$32,499
C.8	SURVEY (5%)	LS	1	5%	\$81,246
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$48,748
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$64,997
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$162,493
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$81,246
C.13	MOBILIZATION (10%)	LS	1	10%	\$162,493
CONSTRUCTION ITEMS SUBTOTAL					\$2,340,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$234,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$351,000
ANTICIPATED PROJECT COSTS					\$2,925,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Centennial Trail, Greensferry to Ross Point				
DESCRIPTION:	Multimodal New Construction: Build Class I Trail				
Project Code:	MM-24				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-260A	WEDGE MILLING	SY		\$8	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA		\$1,621	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0	BUILD CLASS I TRAIL (12')	FT	5280	\$30	\$158,400
C.1	COMB CURB & GUTTER TY 2	FT		\$27	\$0
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	105600	\$2.00	\$211,200
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$18,480
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$7,392
C.8	SURVEY (5%)	LS	1	5%	\$18,480
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$11,088
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$14,784
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$36,960
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$18,480
C.13	MOBILIZATION (10%)	LS	1	10%	\$36,960
CONSTRUCTION ITEMS SUBTOTAL					\$533,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$54,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$80,000
ANTICIPATED PROJECT COSTS					\$667,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Centennial Trail, Riverbend				
DESCRIPTION:	Multimodal New Construction: Build Class I Trail				
Project Code:	MM-93				
Project Size:	Small				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0a	SIGNAL MODIFICATION	EA	1	\$20,000	\$20,000
C.0b	BUILD CLASS I TRAIL (10')	FT	150	\$46	\$6,900
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$1,345
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$538
C.8	SURVEY (5%)	LS	1	5%	\$1,345
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$807
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$1,076
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$2,690
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$1,345
C.13	MOBILIZATION (10%)	LS	1	10%	\$2,690
CONSTRUCTION ITEMS SUBTOTAL					\$39,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$4,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$6,000
ANTICIPATED PROJECT COSTS					\$49,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Ross Point, Maplewood to Seltice				
DESCRIPTION:	Multimodal Upgrade: Construct Sidewalk and Bicycle Lanes				
Project Code:	MM-76				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA	7	\$1,621	\$11,348
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0a	CONSTRUCT NEW 5' SIDEWALK	FT	2200	\$35	\$77,000
C.0b	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	3450	\$4	\$13,800
C.1	COMB CURB & GUTTER TY 2	FT	2200	\$27	\$58,520
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF	1300	\$40	\$51,390
C.4	RIGHT OF WAY	SF	13000	\$4.81	\$62,517
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$13,729
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$5,491
C.8	SURVEY (5%)	LS	1	5%	\$13,729
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$8,237
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$10,983
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$27,457
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$13,729
C.13	MOBILIZATION (10%)	LS	1	10%	\$27,457
CONSTRUCTION ITEMS SUBTOTAL					\$396,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$40,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$60,000
ANTICIPATED PROJECT COSTS					\$496,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	McGuire, South of I-90				
DESCRIPTION:	Multimodal Upgrade: Widen to Include Bicycle Lanes				
Project Code:	MM-39				
Project Size:	Small				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	WIDEN ROADWAY FOR 2-5 FOOT BICYCLE LANES (BOTH SIDES)	FT	2150	\$100	\$215,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF	2150	\$4.81	\$10,339
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$11,267
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$4,507
C.8	SURVEY (5%)	LS	1	5%	\$11,267
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$6,760
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$9,014
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$22,534
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$11,267
C.13	MOBILIZATION (10%)	LS	1	10%	\$22,534
CONSTRUCTION ITEMS SUBTOTAL					\$325,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$33,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$49,000
ANTICIPATED PROJECT COSTS					\$407,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	McGuire, I-90 to Seltice				
DESCRIPTION:	Multimodal New Construction: Build Class I Trail				
Project Code:	MM-32				
Project Size:	Small				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	BUILD CLASS I TRAIL (10')	FT	1550	\$100	\$155,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF	15500	\$4.81	\$74,540
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$11,477
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$4,591
C.8	SURVEY (5%)	LS	1	5%	\$11,477
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$6,886
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$9,182
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$22,954
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$11,477
C.13	MOBILIZATION (10%)	LS	1	10%	\$22,954
CONSTRUCTION ITEMS SUBTOTAL					\$331,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$34,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$50,000
ANTICIPATED PROJECT COSTS					\$415,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	McGuire, Midway to Poleline				
DESCRIPTION:	Multimodal Upgrade: Rebuild as Minor Arterial, 4 LANE, 60' curb to curb				
Project Code:	MM-03				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC	3	\$7,548	\$25,665
203-015A	REM OF BITUMINOUS SURF	SY	584	\$6	\$3,224
205-005A	EXCAVATION	CY	4634	\$23	\$107,936
205-040A	GRANULAR BORROW	CY	5844	\$34	\$200,696
205-060A	WATER FOR DUST ABATEMENT	MG		\$30	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$33	\$0
301-010A	GRANULAR SUBBASE	CY		\$36	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	2996	\$27	\$82,016
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$4	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$931	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$44	\$0
405-245A	APPROACH	EA		\$2,355	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON	1670	\$128	\$214,563
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$3	\$0
409-015A	CONC PAV	SY		\$125	\$0
411-005A	URBAN CONC PAV	SY		\$61	\$0
614-015A	CONC SIDEWALK	SY	2935	\$74	\$216,141
614-020A	DRIVEWAY	EA	7	\$2,316	\$16,211
615-491A	CURB & GUTTER TYPE 1	FT		\$39	\$0
C.0a	BUILD CLASS I TRAIL (10')	FT	2230	\$100	\$223,000
C.0b	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	5260	\$4	\$21,040
C.1	COMB CURB & GUTTER TY 2	FT	4860	\$38	\$184,680
C.2	10' SHARED USE PATH	FT		\$34	\$0
C.3	ADD 12' LANE	LF		\$56	\$0
C.4	RIGHT OF WAY	SF	52800	\$6.87	\$362,736
C.5	DRYWELL	EA		\$2,700	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$82,895
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$33,158
C.8	SURVEY (5%)	LS	1	5%	\$82,895
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$49,737
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$66,316
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$165,791
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$82,895
C.13	MOBILIZATION (10%)	LS	1	10%	\$165,791
CONSTRUCTION ITEMS SUBTOTAL					\$2,388,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$239,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$359,000
ANTICIPATED PROJECT COSTS					\$2,986,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	McGuire, Poleline to Fisher				
DESCRIPTION:	Multimodal Upgrade: Widen to include 2 bike lanes				
Project Code:	MM-33				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$7,548	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$6	\$0
205-005A	EXCAVATION	CY		\$23	\$0
205-040A	GRANULAR BORROW	CY		\$34	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$30	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$33	\$0
301-010A	GRANULAR SUBBASE	CY		\$36	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON	333	\$27	\$9,116
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$4	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$931	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$44	\$0
405-245A	APPROACH	EA		\$2,355	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$128	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$3	\$0
409-015A	CONC PAV	SY		\$125	\$0
411-005A	URBAN CONC PAV	SY		\$61	\$0
614-015A	CONC SIDEWALK	SY	3017	\$74	\$222,179
614-020A	DRIVEWAY	EA	13	\$2,316	\$30,106
615-491A	CURB & GUTTER TYPE 1	FT		\$39	\$0
C.0a	WIDEN ROADWAY FOR 2-5 FOOT BICYCLE LANES (BOTH SIDES)	FT	4000	\$100	\$400,000
C.0b	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	8000	\$4	\$32,000
C.1	COMB CURB & GUTTER TY 2	FT	4525	\$38	\$171,950
C.2	10' SHARED USE PATH	FT		\$34	\$0
C.3	ADD 12' LANE	LF		\$56	\$0
C.4	RIGHT OF WAY	SF	11000	\$6.87	\$75,570
C.5	DRYWELL	EA		\$2,700	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$47,046
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$18,818
C.8	SURVEY (5%)	LS	1	5%	\$47,046
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$28,228
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$37,637
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$94,092
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$47,046
C.13	MOBILIZATION (10%)	LS	1	10%	\$94,092
CONSTRUCTION ITEMS SUBTOTAL					\$1,355,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$136,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$204,000
ANTICIPATED PROJECT COSTS					\$1,695,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	McGuire, Fisher to Hayden				
DESCRIPTION:	Multimodal Upgrade: Widen to include 2 bike lanes				
Project Code:	MM-36				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$7,548	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$6	\$0
205-005A	EXCAVATION	CY		\$23	\$0
205-040A	GRANULAR BORROW	CY		\$34	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$30	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$33	\$0
301-010A	GRANULAR SUBBASE	CY		\$36	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$27	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$4	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$931	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$44	\$0
405-245A	APPROACH	EA		\$2,355	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$128	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$3	\$0
409-015A	CONC PAV	SY		\$125	\$0
411-005A	URBAN CONC PAV	SY		\$61	\$0
614-015A	CONC SIDEWALK	SY		\$74	\$0
614-020A	DRIVEWAY	EA		\$2,316	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$39	\$0
C.0a	WIDEN ROADWAY FOR 1-5 FOOT BICYCLE LANE	FT	6560	\$50	\$328,000
C.0b	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	6560	\$4	\$26,240
C.1	COMB CURB & GUTTER TY 2	FT		\$38	\$0
C.2	10' SHARED USE PATH	FT		\$34	\$0
C.3	ADD 12' LANE	LF		\$56	\$0
C.4	RIGHT OF WAY	SF	10250	\$6.87	\$70,418
C.5	DRYWELL	EA		\$2,700	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$21,233
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$8,493
C.8	SURVEY (5%)	LS	1	5%	\$21,233
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$12,740
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$16,986
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$42,466
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$21,233
C.13	MOBILIZATION (10%)	LS	1	10%	\$42,466
CONSTRUCTION ITEMS SUBTOTAL					\$612,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$62,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$92,000
ANTICIPATED PROJECT COSTS					\$766,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Cecil, Mullan to 16th				
DESCRIPTION:	Multimodal Upgrade: Widen to Include 2 Bike Lanes, Extend Shared Use Path				
Project Code:	MM-41				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$5,284	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$4	\$0
205-005A	EXCAVATION	CY		\$16	\$0
205-040A	GRANULAR BORROW	CY		\$24	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$21	\$0
212-020A	SILT FENCE	FT		\$3	\$0
213-005A	TOPSOIL	CY		\$23	\$0
301-010A	GRANULAR SUBBASE	CY		\$25	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$19	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$3	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$652	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$31	\$0
405-245A	APPROACH	EA		\$1,648	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$90	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$2	\$0
409-015A	CONC PAV	SY		\$87	\$0
411-005A	URBAN CONC PAV	SY		\$43	\$0
614-015A	CONC SIDEWALK	SY		\$52	\$0
614-020A	DRIVEWAY	EA	5	\$1,621	\$8,105
615-491A	CURB & GUTTER TYPE 1	FT		\$28	\$0
C.0a	CONSTRUCT NEW 5' SIDEWALK	FT	920	\$35	\$32,200
C.0b	BUILD CLASS I TRAIL (10')	FT	1320	\$100	\$132,000
C.0c	WIDEN ROADWAY FOR 1-5 FOOT BICYCLE LANE	FT	2640	\$50	\$132,000
C.0d	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	5280	\$4	\$21,120
C.1	COMB CURB & GUTTER TY 2	FT	2640	\$27	\$70,224
C.2	10' SHARED USE PATH	FT		\$24	\$0
C.3	ADD 12' LANE	LF		\$40	\$0
C.4	RIGHT OF WAY	SF	2640	\$4.81	\$12,696
C.5	DRYWELL	EA		\$1,890	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$20,417
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$8,167
C.8	SURVEY (5%)	LS	1	5%	\$20,417
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$12,250
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$16,334
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$40,835
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$20,417
C.13	MOBILIZATION (10%)	LS	1	10%	\$40,835
CONSTRUCTION ITEMS SUBTOTAL					\$589,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$59,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$89,000
ANTICIPATED PROJECT COSTS					\$737,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Prairie Trail, Meyer to Greensferry				
DESCRIPTION:	Multimodal New Construction: Build Class I Trail, 12'				
Project Code:	MM-49				
Project Size:	Medium				
Project Timeline:	Medium Term (2022-2027)				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$7,548	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$6	\$0
205-005A	EXCAVATION	CY		\$23	\$0
205-040A	GRANULAR BORROW	CY		\$34	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$30	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$33	\$0
301-010A	GRANULAR SUBBASE	CY		\$36	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$27	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$4	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$931	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$44	\$0
405-245A	APPROACH	EA		\$2,355	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$128	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$3	\$0
409-015A	CONC PAV	SY		\$125	\$0
411-005A	URBAN CONC PAV	SY		\$61	\$0
614-015A	CONC SIDEWALK	SY		\$74	\$0
C.0a	BUILD CLASS I TRAIL (12')	FT	10560	\$100	\$1,056,000
C.0b	BUILD GRADE SEPARATION OVER RAILROAD	FT	3000	\$250	\$750,000
614-020A	DRIVEWAY	EA		\$2,316	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$39	\$0
C.1	COMB CURB & GUTTER TY 2	FT		\$38	\$0
C.2	10' SHARED USE PATH	FT		\$34	\$0
C.3	ADD 12' LANE	LF		\$56	\$0
C.4	RIGHT OF WAY	SF		\$6.87	\$0
C.5	DRYWELL	EA		\$2,700	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$90,300
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$36,120
C.8	SURVEY (5%)	LS	1	5%	\$90,300
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$54,180
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$72,240
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$180,600
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$90,300
C.13	MOBILIZATION (10%)	LS	1	10%	\$180,600
CONSTRUCTION ITEMS SUBTOTAL					\$2,601,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$261,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$391,000
ANTICIPATED PROJECT COSTS					\$3,253,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Lincoln, Mullan to Poleline				
DESCRIPTION:	Multimodal Upgrade: Widen, restripe to include bicycle lanes				
Project Code:	MM-44				
Project Size:	Small				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY	2578	\$11	\$27,952
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0a	WIDEN ROADWAY FOR 1-5 FOOT BICYCLE LANE	FT	5800	\$50	\$290,000
C.0b	REMOVE AND REPLACE PAVEMENT MARKINGS	FT	5800	\$4	\$23,200
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$17,058
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$6,823
C.8	SURVEY (5%)	LS	1	5%	\$17,058
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$10,235
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$13,646
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$34,115
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$17,058
C.13	MOBILIZATION (10%)	LS	1	10%	\$34,115
CONSTRUCTION ITEMS SUBTOTAL					\$492,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$50,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$74,000
ANTICIPATED PROJECT COSTS					\$616,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Riverside Trail, Pointe Pkwy to Pleasant View				
DESCRIPTION:	Multimodal New Construction: Build Class I Trail, 12'				
Project Code:	MM-54				
Project Size:	Medium				
Project Timeline:	Multimodal Project				
Project Funding:	State/Federal				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$7,548	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$6	\$0
205-005A	EXCAVATION	CY		\$23	\$0
205-040A	GRANULAR BORROW	CY		\$34	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$30	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$33	\$0
301-010A	GRANULAR SUBBASE	CY		\$36	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$27	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$4	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$931	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$44	\$0
405-245A	APPROACH	EA		\$2,355	\$0
405-260A	WEDGE MILLING	SY		\$11	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$128	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$3	\$0
409-015A	CONC PAV	SY		\$125	\$0
411-005A	URBAN CONC PAV	SY		\$61	\$0
614-015A	CONC SIDEWALK	SY		\$74	\$0
614-020A	DRIVEWAY	EA		\$2,316	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$39	\$0
C.0	BUILD CLASS I TRAIL (12')	FT	6050	\$56	\$338,800
C.1	COMB CURB & GUTTER TY 2	FT		\$38	\$0
C.2	10' SHARED USE PATH	FT		\$34	\$0
C.3	ADD 12' LANE	LF		\$56	\$0
C.4	RIGHT OF WAY	SF	121000	\$6.87	\$831,270
C.5	DRYWELL	EA		\$2,700	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$58,504
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$23,401
C.8	SURVEY (5%)	LS	1	5%	\$58,504
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$35,102
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$46,803
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$117,007
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$58,504
C.13	MOBILIZATION (10%)	LS	1	10%	\$117,007
CONSTRUCTION ITEMS SUBTOTAL					\$1,685,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$169,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$253,000
ANTICIPATED PROJECT COSTS					\$2,107,000



J-U-B ENGINEERS, INC.

ENGINEER'S OPINION OF PROBABLE COST					
PROJECT:	Riverside Trail, Pleasant View to McGuire				
DESCRIPTION:	Multimodal New Construction: Build Class I Trail, 12'				
Project Code:	MM-52				
Project Size:	Small				
Project Timeline:	Multimodal Project				
Project Funding:	Local				
Estimate Date:	October 2022				
ITEM NO.	ITEM DESCRIPTION	SCHEDULE OF VALUES			
		UNIT	EST. QUAN	UNIT PRICE	TOTAL
201-005A	CLEARING AND GRUBBING	AC		\$18,299	\$0
203-015A	REM OF BITUMINOUS SURF	SY		\$11	\$0
205-005A	EXCAVATION	CY		\$32	\$0
205-040A	GRANULAR BORROW	CY		\$40	\$0
205-060A	WATER FOR DUST ABATEMENT	MG		\$47	\$0
212-020A	SILT FENCE	FT		\$4	\$0
213-005A	TOPSOIL	CY		\$49	\$0
301-010A	GRANULAR SUBBASE	CY		\$39	\$0
303-021A	3/4" AGGR TYPE A FOR BASE	TON		\$32	\$0
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL		\$9	\$0
402-020A	EMUL ASPH FOR PRIME COAT	TON		\$386	\$0
403-300A	CHIP SEAL WARRANTY	SY		\$2	\$0
405-240A	MISC PAV	SY		\$79	\$0
405-245A	APPROACH	EA		\$2,162	\$0
405-260A	WEDGE MILLING	SY		\$19	\$0
405-325A	SUPERPAVE HMA PAV INCL ASPH&ADD	TON		\$233	\$0
408-010A	DIL EMUL ASP FOR FOG COAT CSS-1	GAL		\$7	\$0
409-015A	CONC PAV	SY		\$95	\$0
411-005A	URBAN CONC PAV	SY		\$70	\$0
614-015A	CONC SIDEWALK	SY		\$89	\$0
614-020A	DRIVEWAY	EA		\$2,290	\$0
615-491A	CURB & GUTTER TYPE 1	FT		\$27	\$0
C.0	BUILD CLASS I TRAIL (12')	FT	8000	\$107	\$856,000
C.1	COMB CURB & GUTTER TY 2	FT		\$47	\$0
C.2	10' SHARED USE PATH	FT		\$55	\$0
C.3	ADD 12' LANE	LF		\$94	\$0
C.4	RIGHT OF WAY	SF		\$4.81	\$0
C.5	DRYWELL	EA		\$3,316	\$0
C.6	UTILITIES (5%)	LS	1	5%	\$42,800
C.7	FENCING, GATES, MAILBOXES, ETC (2%)	LS	1	2%	\$17,120
C.8	SURVEY (5%)	LS	1	5%	\$42,800
C.9	TEMPORARY EROSION CONTROL (3%)	LS	1	3%	\$25,680
C.10	PERMANENT EROSION CONTROL AND LANDSCAPING (4%)	LS	1	4%	\$34,240
C.11	TEMPORARY TRAFFIC CONTROL (10%)	LS	1	10%	\$85,600
C.12	SIGNING AND PAVEMENT MARKINGS (5%)	LS	1	5%	\$42,800
C.13	MOBILIZATION (10%)	LS	1	10%	\$85,600
CONSTRUCTION ITEMS SUBTOTAL					\$1,233,000
CONSTRUCTION ENGINEERING AND INSPECTION (10%)					\$124,000
PLANNING, ENGINEERING & ADMINISTRATIVE COSTS (15%)					\$185,000
ANTICIPATED PROJECT COSTS					\$1,542,000