



BOARD OF TRUSTEES MEETING
 THURSDAY – MARCH 13, 2025 – 9:30 A.M.
 MONTGOMERY COUNTY ADMINISTRATION BUILDING
 10TH FLOOR MEETING ROOM - 1002

BUSINESS MEETING

			<u>PKT</u>
			<u>PG</u>
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FREDERICK PIKE AND OLD SPRINGFIELD ROAD INTERSECTION PROJECT

Resolution	2025-23	Arcadis U.S., Inc. Proposal	43
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PUBLIC COMMENT

EXECUTIVE SESSION

ADJOURN

NEXT MEETING

Thursday, April 10, 2025 @ 9:30 A.M.
 Montgomery County Administration Building
 10th Floor Meeting Room - 1002

**MONTGOMERY COUNTY
TRANSPORTATION IMPROVEMENT DISTRICT**

RESOLUTION NUMBER 2025-17

**RESOLUTION APPROVING THE MINUTES
OF THE REGULAR BOARD MEETING OF FEBRUARY 13, 2025
OF THE MONTGOMERY COUNTY TRANSPORTATION IMPROVEMENT DISTRICT
BOARD OF TRUSTEES**

WHEREAS, the Board of Trustees of the Montgomery County Transportation Improvement District (TID) did meet in the regular board meeting on March 13, 2025; and

WHEREAS, the TID Board has reviewed the minutes of the February 13, 2025, meeting and found them, as prepared, to be a full and accurate account of the mentioned meeting.

BE IT THEREFORE RESOLVED, by the Board of Trustees of the Montgomery County Transportation Improvement District that the minutes of the regular board meeting on February 13, 2025, are hereby approved as prepared and appended to this resolution.

BE IT FURTHER RESOLVED, copies of this resolution be provided to the Executive Director, Secretary/Treasurer, Finance Director, and TID's General Counsel.

Adopted the 13th day of March, 2025.

Chairperson, Montgomery County Transportation Improvement District

Attest: _____
Secretary/Treasurer



MINUTES OF THE FEBRUARY 13, 2025 BOARD MEETING

The two hundred and eighty-ninth meeting of the Montgomery County Transportation Improvement District (“TID”) Board of Trustees convened in Room 1002 on the 10th Floor of the Montgomery County Administration Building in Dayton, Ohio on February 13, 2025.

Mr. Hibner called the meeting to order at 9:38 AM.

VOTING BOARD

Walt Hibner
Stephanie Keinath
Rob Beeler
Dave Bills

STAFF

Vanessa Glotfelter, Executive Director
Sam Morton, Project Director
Sean Fraunfelter, Finance Director
Nick Endsley, General Counsel

EXCUSED ABSENCE

Suzanne Beck

OTHERS IN ATTENDANCE

Tawana Jones, Montgomery Co. Econ. Dev.	Jay Hamilton, Mead + Hunt
Andy Shahan, Montgomery Co. Engineer	Nathan Fischer, Woolpert, Inc.
Anne Rahall, TEC Engineering, Inc.	Penny Rike, E.L. Robinson Engineering
Alissa Nicholson, TEC Engineering, Inc.	Andrea Stevenson, DLZ

Business Meeting

■ Minutes of January 9, 2025 {Resolution 2025-11}

Mr. Hibner referred the Board to Resolution 2025-11 and the minutes of January 9, 2025, TID Board of Trustees meetings, copies of which were included in the Board Packet.

Following discussion and response to Board questions and comments, adoption of Resolution 2025-11, approving the minutes of January 9, 2025, as presented, was moved by Mr. Beeler, seconded by Ms. Keinath, and unanimously approved.

■ Financial Report: January 2025 {Resolution 2025-12}

Mr. Hibner referred the Board to Resolution 2025-12 and the Financial Reports for January 2025, copies of which were included in the Board Packet.

Mr. Fraunfelter informed the Board that the TID had received the Certificate of Achievement for Excellence from the Government Finance Officers Association (“GFOA”) for comprehensive financial reporting. He highlighted the following items in the January 2025 Financial Report:

- (1) I-70/75 Development Fund (#707) on Packet Page 13 and noted the following:
 - (a) The receipt of \$53,687.58 from the City of Union for reimbursements related to the Ohio Department of Transportation (“ODOT”) State Infrastructure Bank (“SIB”) Loan. He explained the funds were applied to multiple projects for the City of Union under the 2021 Union Projects Agreement, and
 - (b) The receipt of \$121,230.00 from the City of Union for the Wastewater Treatment Phase 2 Project and the corresponding expenditure for construction.
- (2) Riverside Fund (#715) on Packet Page 24 and the receipt of \$137,913.2 from the City of Riverside for the Woodman Phase 4 Project.

- (3) The bank reconciliation summary on Packet Page 25 and noted the unrestricted cash balance of \$1,701,183.14 as of January 31, 2025.

Following discussion and response to Board questions and comments, adoption of Resolution 2025-12, approving the January 2025 Financial Reports, as presented, was moved by Mr. Bills, seconded by Mr. Beeler, and unanimously approved.

■ Bills & Expenses: January 2025 {Resolution 2025-13}

Mr. Hibner referred the Board to Resolution 2025-13 and the summary of bills and expenses for January 2025, copies of which were included in the Board Packet.

Ms. Glotfelter highlighted expenditures from January 2025 authorized by the TID staff, identified routine project expenses, and recommended approval.

Following discussion and response to Board questions and comments, adoption of Resolution 2025-13, approving the payment of bills and expenses for January 2025, as presented, was moved by Ms. Keinath, seconded by Mr. Bills, and unanimously approved.

■ TID ByLaws {Resolution 2025-14}

Mr. Hibner referred the Board to Resolution 2025-14 and the amended and restated ByLaws of the Montgomery County Transportation Improvement District ("TID ByLaws"), copies of which were included in the Board Packet.

Ms. Glotfelter explained that in consultation with Mr. Endsley, they had been reviewing the TID Bylaws, which had been in place for over 20 years, and recommended they be amended and restated to meet the current regulations and conduct of the TID business.

The Board agreed to waive the requirement of five (5) days' notice that was in existence under the current TID Bylaws and move forward with review of the changes presented.

Following discussion and response to Board questions and comments, adoption of Resolution 2025-14, approving the amended and restated ByLaws of the Montgomery County Improvement District, as presented, was moved by Mr. Beeler, seconded by Ms. Keinath, and unanimously approved.

Benchwood Station Improvement Project

■ Brumbaugh Construction, Inc. Change Order {Resolution 2025-15}

Mr. Hibner referred the Board to Resolution 2025-15, approving Brumbaugh Construction, Inc. for Change Orders #9 and #10 for the Benchwood Station Improvement Project, copies of which were included in the Board Packet.

Ms. Glotfelter provided a brief overview of Change Orders #9 and #10, stating Butler Township had reviewed, and she recommended approval.

Following discussion and response to Board questions and comments, adoption of Resolution 2025-15, approving (1) Change Order #9 for cost of non-returnable pole foundations due to a quantity error on the bid items in the amount of \$10,267.81, and (2) Change Order #10 for quantity adjustments of light pole foundation types in the amount of \$3,250.00, for a total contract increase amount not to exceed \$5,437,775.80 with Brumbaugh Construction for the Benchwood Station Improvement Project, as presented, was moved by Mr. Beeler, seconded by Ms. Keinath, and unanimously approved.

Woodman Gateway Project

■ City of Riverside Project Management & Financing Agreement {Resolution 2025-16}

Mr. Hibner referred the Board to Resolution 2025-16, approving a Project Management & Financing Agreement (“PMFA”) with the City of Riverside (“Riverside”) for the Woodman Gateway Project, copies of which were included in the Board Packet.

Ms. Glotfelter provided a brief history of the planning and development of infrastructure projects along Woodman Drive between US35 and Springfield Street (“Corridor”), most recently with the TID’s involvement in the SS4A grant and Safety Action Plan. The City of Riverside recently received a \$1.5M Community Project Funding grant from Congressman Turner’s office and had requested the TID act as the LPA for the design project. She stated that Riverside had already presented the PMFA to the City Council and it had been approved.

Following discussion and responses to Board questions and comments, adoption of Resolution 2025-16, approving the Project Management & Financing Agreement with the City of Riverside for the Woodman Gateway Project, as presented, was moved by Ms. Keinath, seconded by Mr. Bills, and unanimously approved.

■ Public Comments

No public comments were offered.

■ Next Meeting

Mr. Hibner confirmed that the next regularly scheduled Montgomery County TID Board meeting would be held in Room 1002 on the 10th floor of the Montgomery County Administration Building on Thursday, March 13, 2025, at 9:30 AM.

■ Executive Session

Mr. Hibner suggested that the Board recess to executive session.

Mr. Endsley explained that an executive session would be necessary to (1) consider negotiations with other political subdivisions respecting requests for economic development assistance involving public infrastructure improvements directly related to economic development projects, and (2) discuss and consider personnel matters.

Ms. Keinath moved that the Board recess to executive session for the purposes indicated by Mr. Endsley. Mr. Bills seconded the motion. Mr. Bills voted for the motion. Mr. Hibner voted for the motion. Ms. Keinath voted for the motion. Mr. Beeler voted for the motion.

The Board recessed to executive session at 10:04 AM. Mr. Endsley, Ms. Glotfelter, Mr. Morton, and Mr. Fraunfelder joined the Board in executive session.

■ Adjourn

With no further business, the meeting was adjourned.

Suzanne Beck, Secretary-Treasurer

03/13/2025

Date

**MONTGOMERY COUNTY
TRANSPORTATION IMPROVEMENT DISTRICT**

RESOLUTION NUMBER 2025-18

**RESOLUTION APPROVING
FEBRUARY 2025 FINANCIAL REPORTS**

WHEREAS, the Finance Director of the Montgomery County Transportation Improvement District (“TID”) presented reports concerning the financial condition of the TID through February 28, 2025 to the Board of Trustees of the TID during the Board’s meeting on March 13, 2025; and

WHEREAS, the TID Board has reviewed the attached financial reports.

BE IT THEREFORE RESOLVED, by the Board of Trustees of the Montgomery County Transportation Improvement District that the attached TID’s financial reports through February 28, 2025, be and are hereby approved as prepared and appended to this resolution.

BE IT FURTHER RESOLVED, copies of this resolution be provided to the Executive Director, Secretary/Treasurer, Finance Director, and TID’s General Counsel.

Adopted the 13th day of March, 2025.

Chairperson, Montgomery County Transportation Improvement District

Attest: _____
Secretary/Treasurer

Montgomery County Transportation Improvement District
Statement of Activity - MTD and YTD by Fund

700 - Operating Fund

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4131.000.00 County	300,000	300,000.00	0.00	300,000.00	0.00
4510.000.00 Interest On Cash Balances	50,000	14,191.75	14,916.21	29,107.96	(20,892.04)
4600.000.00 Charges For Service	116,000	0.00	0.00	0.00	(116,000.00)
4600.024.00 Union Development Fee	0	0.00	4,000.00	4,000.00	4,000.00
4600.043.00 Sycamore Trails	184,000	0.00	0.00	0.00	(184,000.00)
Total Revenues	650,000	314,191.75	18,916.21	333,107.96	(316,892.04)
Expenditures (All non-capitalized costs)					
7110.010.00 Wages	450,000	32,052.08	32,052.08	64,104.16	385,895.84
7110.030.00 Bonuses	0	0.00	20,000.00	20,000.00	(20,000.00)
7120.000.00 PERS	55,000	4,487.29	6,627.83	11,115.12	43,884.88
7130.000.00 Workers Compensation	4,000	444.57	856.57	1,301.14	2,698.86
7140.000.00 Medicare	6,000	446.13	743.66	1,189.79	4,810.21
7150.000.00 Health Insurance	120,000	7,689.00	14,535.00	22,224.00	97,776.00
7151.000.00 Dental Insurance	0	395.08	197.54	592.62	(592.62)
7160.000.00 Disability Insurance	9,000	337.03	337.03	674.06	8,325.94
7170.000.00 Holding Account	0	(1,260.00)	0.00	(1,260.00)	1,260.00
7310.000.00 Contract Services	15,000	0.00	0.00	0.00	15,000.00
7310.021.00 Contract Services - Eddy (Unallocated)	35,000	1,300.00	850.00	2,150.00	32,850.00
7310.022.00 Contract Services - Eddy (Miamisburg)	0	800.00	550.00	1,350.00	(1,350.00)
7311.000.00 Internet	0	0.00	10.00	10.00	(10.00)
7312.000.00 Audit & Accounting	55,000	1,023.75	840.00	1,863.75	53,136.25
7312.001.00 Payroll Processing Charges	3,500	181.30	93.95	275.25	3,224.75
7315.000.00 Internet Service	0	225.00	562.00	787.00	(787.00)
7320.000.00 Legal Expenses	50,000	0.00	0.00	0.00	50,000.00
7330.007.00 Web Page Expenses	3,500	0.00	0.00	0.00	3,500.00
7330.014.00 Public Relations	8,500	1,587.50	0.00	1,587.50	6,912.50
7510.000.00 Office Supplies	4,000	0.00	512.81	512.81	3,487.19
7510.003.00 Cellular Phone	0	300.00	300.00	600.00	(600.00)
7510.006.00 Postage	3,000	0.00	0.00	0.00	3,000.00
7510.010.00 Dues & Subscriptions	25,000	1,138.99	1,553.00	2,691.99	22,308.01
7510.011.00 Conference Room Rental	0	0.00	4,267.56	4,267.56	(4,267.56)
7510.012.00 Office Rent	9,000	0.00	0.00	0.00	9,000.00
7510.020.00 Miscellaneous Supplies	5,500	653.89	354.37	1,008.26	4,491.74
7520.000.00 Travel	20,000	0.00	0.00	0.00	20,000.00
7520.020.00 Milage Reimbursment	0	762.18	833.48	1,595.66	(1,595.66)
7520.030.00 Meals	0	832.86	262.62	1,095.48	(1,095.48)
7520.035.00 Parking	0	1,085.00	640.00	1,725.00	(1,725.00)
7920.000.00 Bank Service Charges	2,000	192.24	71.33	263.57	1,736.43
7930.000.00 Insurance	32,000	0.00	0.00	0.00	32,000.00
8110.000.00 Computers	5,000	0.00	0.00	0.00	5,000.00
8300.000.00 Other	25,000	0.00	0.00	0.00	25,000.00
Total Expenditures	945,000	54,673.89	87,050.83	141,724.72	803,275.28
Excess Revenue Over (Under) Expenditures	(295,000)	259,517.86	(68,134.62)	191,383.24	486,383.24

Montgomery County Transportation Improvement District
Statement of Activity - MTD and YTD by Fund

702 - Austin Road

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4111.004.13 Church Connector Federal Earmark	0	0.00	15,944.69	15,944.69	15,944.69
4132.000.30 City of Miamisburg	0	73,293.58	0.00	73,293.58	73,293.58
Total Revenues	0	73,293.58	15,944.69	89,238.27	89,238.27
Expenditures (All non-capitalized costs)					
5310.000.13 Engineering Services-Church Connector	0	0.00	15,944.69	15,944.69	(15,944.69)
5521.000.42 Inspection Services-Deer Valley	0	0.00	787.36	787.36	(787.36)
8610.000.30 Debt Service-Principal	0	62,234.95	0.00	62,234.95	(62,234.95)
8630.000.30 Debt Service-Interest	0	11,058.63	0.00	11,058.63	(11,058.63)
Total Expenditures	0	73,293.58	16,732.05	90,025.63	(90,025.63)
Excess Revenue Over (Under) Expenditures	0	0.00	(787.36)	(787.36)	(787.36)

Montgomery County Transportation Improvement District
Income and Expense Report by Project

13 - Church Connector Road

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4111.004.13 Church Connector Federal Earmark	0	0.00	15,944.69	15,944.69	15,944.69
Total Revenues	0	0.00	15,944.69	15,944.69	15,944.69
Expenditures (All non-capitalized costs)					
5310.000.13 Engineering Services-Church Connector	0	0.00	15,944.69	15,944.69	(15,944.69)
Total Expenditures	0	0.00	15,944.69	15,944.69	(15,944.69)
Excess Revenue Over (Under) Expenditures	0	0.00	0.00	0.00	0.00

Montgomery County Transportation Improvement District
Income and Expense Report by Project

30 - Lower Miamisburg Road

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4132.000.30 City of Miamisburg	0	73,293.58	0.00	73,293.58	73,293.58
Total Revenues	0	73,293.58	0.00	73,293.58	73,293.58
Expenditures (All non-capitalized costs)					
8610.000.30 Debt Service-Principal	0	62,234.95	0.00	62,234.95	(62,234.95)
8630.000.30 Debt Service-Interest	0	11,058.63	0.00	11,058.63	(11,058.63)
Total Expenditures	0	73,293.58	0.00	73,293.58	(73,293.58)
Excess Revenue Over (Under) Expenditures	0	0.00	0.00	0.00	0.00

Montgomery County Transportation Improvement District
Income and Expense Report by Project

42 - Deer Valley

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
<u>Revenues</u>					
Total Revenues	0	0.00	0.00	0.00	0.00
<u>Expenditures (All non-capitalized costs)</u>					
5521.000.42 Inspection Services-Deer Valley	0	0.00	787.36	787.36	(787.36)
Total Expenditures	0	0.00	787.36	787.36	(787.36)
Excess Revenue Over (Under) Expenditures	0	0.00	(787.36)	(787.36)	(787.36)

Montgomery County Transportation Improvement District
Statement of Activity - MTD and YTD by Fund

707 - I70/75 Development

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4110.001.32 SIB Draw - OSR/DL paid from code 32	0	0.00	7,470.00	7,470.00	7,470.00
4110.001.41 SIB Draw - OSR/DL paid from code 41	0	15,525.00	0.00	15,525.00	15,525.00
4110.001.45 SIB Draw - OSR/DL paid from code 45	0	0.00	3,500.00	3,500.00	3,500.00
4110.001.54 SIB Draw - OSR/DL paid from code 54	0	43,811.75	13,333.04	57,144.79	57,144.79
4110.001.56 SIB Draw - OSR/DL paid from code 56	0	72,343.50	29,384.54	101,728.04	101,728.04
4110.003.32 City of Union - Lighthner/Peters	0	5,151.00	0.00	5,151.00	5,151.00
4110.003.51 City of Union Project Deposit	0	0.00	121,230.00	121,230.00	121,230.00
4110.010.15 SIB Draw - Martindale Rd Phase 1	0	2,932.50	0.00	2,932.50	2,932.50
4132.000.36 City of Dayton - Maintenance payment	0	25,000.00	0.00	25,000.00	25,000.00
4132.002.26 City of Vandalia	0	14,626.20	0.00	14,626.20	14,626.20
Total Revenues	0	179,389.95	174,917.58	354,307.53	354,307.53
Expenditures (All non-capitalized costs)					
5310.001.41 Engineering Services-OSR Curve	0	0.00	15,525.00	15,525.00	(15,525.00)
5310.001.56 Engineering Services-Ring Road Ph 1	0	0.00	16,693.50	16,693.50	(16,693.50)
5310.005.32 Engineering Services-Lighthner/Peters	0	0.00	5,151.00	5,151.00	(5,151.00)
5330.000.56 Right Of Way - Ring Road Appraisal Svcs	0	2,750.00	5,500.00	8,250.00	(8,250.00)
5521.000.47 Inspection Svcs-Benchwood	0	14,672.50	53,672.50	68,345.00	(68,345.00)
5530.000.47 Construction-Benchwood Station	0	208,164.14	92,467.71	300,631.85	(300,631.85)
5530.008.51 Construction - Ph2 WWTP	0	38,400.00	121,230.00	159,630.00	(159,630.00)
Total Expenditures	0	263,986.64	310,239.71	574,226.35	(574,226.35)
Excess Revenue Over (Under) Expenditures	0	(84,596.69)	(135,322.13)	(219,918.82)	(219,918.82)

Montgomery County Transportation Improvement District
Income and Expense Report by Project

15 - Airpark Boulevard

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4110.010.15 SIB Draw - Martindale Rd Phase 1	0	2,932.50	0.00	2,932.50	2,932.50
Total Revenues	0	2,932.50	0.00	2,932.50	2,932.50
Expenditures (All non-capitalized costs)					
Total Expenditures	0	0.00	0.00	0.00	0.00
Excess Revenue Over (Under) Expenditures	0	2,932.50	0.00	2,932.50	2,932.50

Montgomery County Transportation Improvement District
Income and Expense Report by Project

26 - SR40 Project

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4132.002.26 City of Vandalia	0	14,626.20	0.00	14,626.20	14,626.20
Total Revenues	0	14,626.20	0.00	14,626.20	14,626.20
Expenditures (All non-capitalized costs)					
Total Expenditures	0	0.00	0.00	0.00	0.00
Excess Revenue Over (Under) Expenditures	0	14,626.20	0.00	14,626.20	14,626.20

Montgomery County Transportation Improvement District
Income and Expense Report by Project

32 - Lightner Road

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4110.001.32 SIB Draw - OSR/DL paid from code 32	0	0.00	7,470.00	7,470.00	7,470.00
4110.003.32 City of Union - Ligthner/Peters	0	5,151.00	0.00	5,151.00	5,151.00
Total Revenues	0	5,151.00	7,470.00	12,621.00	12,621.00
Expenditures (All non-capitalized costs)					
5310.005.32 Engineering Services- Lightner/Peters	0	0.00	5,151.00	5,151.00	(5,151.00)
Total Expenditures	0	0.00	5,151.00	5,151.00	(5,151.00)
Excess Revenue Over (Under) Expenditures	0	5,151.00	2,319.00	7,470.00	7,470.00

Montgomery County Transportation Improvement District
Income and Expense Report by Project

41 - Springfield-Peters Pike

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4110.001.41 SIB Draw - OSR/DL paid from code 41	0	15,525.00	0.00	15,525.00	15,525.00
Total Revenues	0	15,525.00	0.00	15,525.00	15,525.00
Expenditures (All non-capitalized costs)					
5310.001.41 Engineering Services-OSR Curve	0	0.00	15,525.00	15,525.00	(15,525.00)
Total Expenditures	0	0.00	15,525.00	15,525.00	(15,525.00)
Excess Revenue Over (Under) Expenditures	0	15,525.00	(15,525.00)	0.00	0.00

Montgomery County Transportation Improvement District
Income and Expense Report by Project

45 - Union Airpark Blvd Ext

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4110.001.45 SIB Draw - OSR/DL paid from code 45	0	0.00	3,500.00	3,500.00	3,500.00
Total Revenues	0	0.00	3,500.00	3,500.00	3,500.00
Expenditures (All non-capitalized costs)					
Total Expenditures	0	0.00	0.00	0.00	0.00
Excess Revenue Over (Under) Expenditures	0	0.00	3,500.00	3,500.00	3,500.00

Montgomery County Transportation Improvement District
Income and Expense Report by Project

47 - Benchwood Station

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
Total Revenues	0	0.00	0.00	0.00	0.00
Expenditures (All non-capitalized costs)					
5521.000.47 Inspection Svcs-Benchwood	0	14,672.50	53,672.50	68,345.00	(68,345.00)
5530.000.47 Construction-Benchwood Station	0	208,164.14	92,467.71	300,631.85	(300,631.85)
Total Expenditures	0	222,836.64	146,140.21	368,976.85	(368,976.85)
Excess Revenue Over (Under) Expenditures	0	(222,836.64)	(146,140.21)	(368,976.85)	(368,976.85)

Montgomery County Transportation Improvement District
Income and Expense Report by Project

51 - Wastewater Treatment Plant

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4110.003.51 City of Union Project Deposit	0	0.00	121,230.00	121,230.00	121,230.00
Total Revenues	0	0.00	121,230.00	121,230.00	121,230.00
Expenditures (All non-capitalized costs)					
5530.008.51 Construction - Ph2 WWTP	0	38,400.00	121,230.00	159,630.00	(159,630.00)
Total Expenditures	0	38,400.00	121,230.00	159,630.00	(159,630.00)
Excess Revenue Over (Under) Expenditures	0	(38,400.00)	0.00	(38,400.00)	(38,400.00)

Montgomery County Transportation Improvement District
Income and Expense Report by Project

54 - Martindale Phase 2

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4110.001.54 SIB Draw - OSR/DL paid from code 54	0	43,811.75	13,333.04	57,144.79	57,144.79
Total Revenues	0	43,811.75	13,333.04	57,144.79	57,144.79
Expenditures (All non-capitalized costs)					
Total Expenditures	0	0.00	0.00	0.00	0.00
Excess Revenue Over (Under) Expenditures	0	43,811.75	13,333.04	57,144.79	57,144.79

Montgomery County Transportation Improvement District
Income and Expense Report by Project

56 - Ring Road

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4110.001.56 SIB Draw - OSR/DL paid from code 56	0	72,343.50	29,384.54	101,728.04	101,728.04
Total Revenues	0	72,343.50	29,384.54	101,728.04	101,728.04
Expenditures (All non-capitalized costs)					
5310.001.56 Engineering Services-Ring Road Ph 1	0	0.00	16,693.50	16,693.50	(16,693.50)
5330.000.56 Right Of Way - Ring Road Appraisal Svcs	0	2,750.00	5,500.00	8,250.00	(8,250.00)
Total Expenditures	0	2,750.00	22,193.50	24,943.50	(24,943.50)
Excess Revenue Over (Under) Expenditures	0	69,593.50	7,191.04	76,784.54	76,784.54

Montgomery County Transportation Improvement District
Statement of Activity - MTD and YTD by Fund

710 - 675 Development Fund

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4110.000.00 City of Centerville	0	2,363.15	1,110.92	3,474.07	3,474.07
4111.003.00 TRAC Funding	0	0.00	8,887.35	8,887.35	8,887.35
4112.000.00 Greene County	0	2,363.15	0.00	2,363.15	2,363.15
Total Revenues	0	4,726.30	9,998.27	14,724.57	14,724.57
Expenditures (All non-capitalized costs)					
5310.001.00 675/Wilm Eng Serv	0	23,631.50	0.00	23,631.50	(23,631.50)
Total Expenditures	0	23,631.50	0.00	23,631.50	(23,631.50)
Excess Revenue Over (Under) Expenditures	0	(18,905.20)	9,998.27	(8,906.93)	(8,906.93)

Montgomery County Transportation Improvement District
Statement of Activity - MTD and YTD by Fund

712 - Miamisburg Downtown Projects

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4132.000.50 City of Miamisburg	0	0.00	82,811.50	82,811.50	82,811.50
Total Revenues	0	0.00	82,811.50	82,811.50	82,811.50
Expenditures (All non-capitalized costs)					
5530.000.50 Construction - Sycamore Trails	0	0.00	82,811.50	82,811.50	(82,811.50)
Total Expenditures	0	0.00	82,811.50	82,811.50	(82,811.50)
Excess Revenue Over (Under) Expenditures	0	0.00	0.00	0.00	0.00

Montgomery County Transportation Improvement District
Income and Expense Report by Project

50 - Sycamore Trails

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4132.000.50 City of Miamisburg	0	0.00	82,811.50	82,811.50	82,811.50
Total Revenues	0	0.00	82,811.50	82,811.50	82,811.50
Expenditures (All non-capitalized costs)					
5530.000.50 Construction - Sycamore Trails	0	0.00	82,811.50	82,811.50	(82,811.50)
Total Expenditures	0	0.00	82,811.50	82,811.50	(82,811.50)
Excess Revenue Over (Under) Expenditures	0	0.00	0.00	0.00	0.00

Montgomery County Transportation Improvement District
Statement of Activity - MTD and YTD by Fund

715 - Riverside

For 2/28/2025

	Current Budgeted Amounts	Current Month to Date Actual 02/28/2025	Prior Periods Year to Date Actual	Year to Date Actual	Budget Variance Positive (Negative)
Revenues					
4131.000.00 City of Riverside (or earmarks)	0	0.00	137,913.02	137,913.02	137,913.02
Total Revenues	0	0.00	137,913.02	137,913.02	137,913.02
Expenditures (All non-capitalized costs)					
5310.001.00 Engineering Svcs-SS4A Study	0	38,658.57	0.00	38,658.57	(38,658.57)
Total Expenditures	0	38,658.57	0.00	38,658.57	(38,658.57)
Excess Revenue Over (Under) Expenditures	0	(38,658.57)	137,913.02	99,254.45	99,254.45

**Montgomery County TID
Bank Reconciliation
All Accounts**

As Of February 28, 2025

Key Bank Checking	372,187.19
Less Outstanding Checks	-
Key Bank Savings	16,105.23
Star Ohio	4,131,753.73
US Bank - Austin Landing	-
<i>Reconciliation issue</i>	<i>(0.01)</i>
Adjusted balance	<u>4,520,046.14</u>
Fund 700 Operating Fund	1,919,007.71
702 Austin Road	
TID Deficit Carry on unreimbursed (b/c reserves)	-
Austin East	(9,361.45)
Miamisburg Funds:	
Church Connector	4,095.74
Austin Landing Phase 1/2 Trust	-
Terrington PS/Deer Valley	51,360.80
703 725/741 Development Fund	(689.98)
707 I70/I75 Development Fund	0.00
City of Union TIF Deposits (used for others)	999,733.65
City of Union - Other Projects	1,194,422.13
City of Union - Lightner	-
Benchwood Station	2,793.92
US 40 Project Related	62,370.13
710 675 Development Fund	29,050.53
712 Downtown Miamisburg	
Riverfront Park Phase 2	-
Sycamore Trails	309,000.03
715 Riverside	(41,858.57)
716 Clay Twp/Clayton	121.50
Total	<u>4,520,046.14</u>
Variance	<u>-</u>

Reconciliation of TID Unrestricted Cash Balance	
Adjusted Bank Balance	4,520,046.14
Less Funds held for other:	
Sycamore Trails	(309,000.03)
Austin Landing Trust	-
Church Connector	(4,095.74)
US 40/NAPA	(62,370.13)
Benchwood	(2,793.92)
Terrington PS/Deer Valley	(51,360.80)
Union	<u>(2,194,155.78)</u>

Unrestricted TID Cash Balance for operations - CM	1,896,269.74
Unrestricted TID Cash Balance for operations - PM	1,701,183.14

Project Carrying Costs	
Austin East	9,361
Riverside	41,859
725/741 Pedestrian Access	690
	<u>51,910</u>

TID Fees 2025 year to date:	
Union Development Fees	4,000

Other Operating Revenue - Montgomery County	300,000
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**MONTGOMERY COUNTY
TRANSPORTATION IMPROVEMENT DISTRICT
RESOLUTION NUMBER 2025-19**

**RESOLUTION APPROVING FEBRUARY 2025
CHANGE ORDERS, CONTRACTS & AGREEMENTS, PAYMENT OF BILLS AND EXPENSES
APPROVED BY THE EXECUTIVE DIRECTOR AND TID STAFF**

WHEREAS, the Executive Director of the Montgomery County Transportation Improvement District (TID) has presented to the Board of Trustees of the TID, on behalf of the Secretary/Treasurer, the attached report to be approved for payment; and

WHEREAS, the TID Board has reviewed the attached report and found it appropriate for payment or to enter into agreement.

BE IT THEREFORE RESOLVED by the Board of Trustees of the Montgomery County Transportation Improvement District that the attached list of Change Orders, Contracts and Agreements including Bills and Expenses of February 2025 be and is hereby approved for payment.

BE IT FURTHER RESOLVED by the board that copies of this resolution be provided to the Executive Director, Secretary/Treasurer, Finance Director, and TID's General Counsel.

Adopted the 13th day of March, 2025.

Chairperson, Montgomery County Transportation Improvement District

Attest: _____
Secretary/Treasurer

MONTGOMERY COUNTY TID

**Bills & Expenses for Board Approval, Expense Report Approved by Board Members, Expenses Approved by the TID Staff
For February 1 - 28, 2025**

OPERATIONS		
70/75 Development Association	\$ 325.00	Annual Membership
ACCE	\$ 337.03	Disability Benefits - February
American Airlines	\$ 1,041.94	Air travel for the DDC Fly-In (V. Glotfelter, S.Morton)
Back To Business IT (The GreenTree Group)	\$ 225.00	On Call Support - December
Bureau of Worker's Compensation	\$ 444.57	Monthly Contributions
City of Dayton	\$ 430.00	Annual Luncheon Parking Validations
Dayton Area Chamber of Commerce	\$ 130.00	Annual Membership Mtg (V. Glotfelter, S. Morton)
Dayton Area Chamber of Commerce	\$ 35.00	Executive Women's Council Event (V. Glotfelter)
Dayton Area Chamber of Commerce	\$ 1,200.00	Annual Chamber Challenge Golf Outing
Dayton Development Coalition	\$ 4,100.00	2025 DDC Fly-In Registration (V. Glotfelter, S. Morton)
Fraunfelter Accounting Services	\$ 1,023.75	Accounting Services - January
Vanessa Glotfelter	\$ 765.74	Expense Report - January/ Credit Card - February
Veronica Hull	\$ 100.00	Expense Report - January
Mike Eddy, Consultant	\$ 2,149.58	Professional Services - January
Microsoft	\$ 245.10	Monthly Licenses/Subscription Fees
Montgomery County Human Services	\$ 7,884.00	Health Benefits - January
Montgomery County Purchasing	\$ 655.00	Parking / Postage
Office Supplies/Misc.	\$ 7.99	Office / Paper / Printing Supplies
Ohio Economic Development Association	\$ 240.00	Annual Membership (S. Morton)
Public Employees Retirement System	\$ 4,487.29	Monthly Contribution - February
Rasor	\$ 1,587.50	Public Outreach / Communications - December/January
Sam Morton	\$ 440.20	Expense Report - February
Superior Dental	\$ 395.08	Dental Benefits - February
675/WILMINGTON INTERCHANGE		
LJB, Inc.	\$ 23,631.50	Professional Services - AER / TRAC Funded Tasks
WOODMAN PHASE 4		
Woolpert	\$ 38,658.57	Engineering Services (SS4A Study)
BENCHWOOD STATION		
Brumbaugh Construction	\$ 27,320.14	Construction - Pay Application #9
CTL Engineering, Inc.	\$ 14,672.50	Inspections Services
Security Fence Group, Inc.	\$ 180,844.00	Pre-Purchase Lightpole Package
RING ROAD PROJECT		
Benchmark Real Estate Appraisal Services, LLC	\$ 2,750.00	Appraisal Services
WASTEWATER TREATMENT PHASE 2		
Balsbaugh Excavating	\$ 38,400.00	Construction - Pay Application #12

**MONTGOMERY COUNTY
TRANSPORTATION IMPROVEMENT DISTRICT
RESOLUTION NUMBER 2025-20**

**RESOLUTION AMENDING ANNUAL APPROPRIATION FOR CALENDAR YEAR 2025
FOR THE MONTGOMERY COUNTY TRANSPORTATION IMPROVEMENT DISTRICT**

WHEREAS, the Board of Trustees of the Montgomery County Transportation Improvement District (TID) is required by the Ohio Revised Code to adopt an annual appropriation for its operations during each fiscal year; and

WHEREAS, the Executive Director, Deputy Director, and the Finance Director have recommended that the Board amend its appropriation for calendar year 2025 to reflect revenues and expenditures currently anticipated for the year as detailed in the attached annual appropriation amendment for 2025.

BE IT THEREFORE RESOLVED, by the Board of Trustees of the Montgomery County Transportation Improvement District that the attached amended annual appropriation for the TID for 2025 be and is hereby adopted.

BE IT FURTHER RESOLVED by the board that copies of this resolution be provided to the Executive Director, Secretary/Treasurer, Finance Director, and TID's General Counsel.

Adopted the 13th day of March, 2025.

Chairperson, Montgomery County Transportation Improvement District

Attest: _____
Secretary/Treasurer

**MONTGOMERY COUNTY TID
AMENDED BUDGET 2025
FUND #700 - OPERATING FUND**

Fund Description: The primary purpose of this fund is to account for the administrative and operational costs of the TID. A positive fund balance is anticipated in this fund at the end of 2025. This balance will be required in order to fund the operations of the TID into the future.

Account Category	Current 2025 Budget	Amended 2025 Budget	
Revenues: Interest	\$ 50,000	\$ 100,000	50,000
Montgomery County Supplemental Projects Agmt	300,000	300,000	-
Charges For Services:			
Union Projects - Dev Fee		48,000	
Sycamore Trails	184,000	259,000	
Mound Connector		25,000	
70/725 Pedestrian Access			
SR 49 (Clay Twp/Clayton)			
Austin East (Miami Twp)		25,000	
Martindale Ph 2		25,000	
Ring Road Ph 1		30,000	
Frederick/OSR		160,400	
Woodman Gateway		25,000	
Union 2025 Paving Project		15,000	
Unspecified Projects	116,000	-	
Other revenues	-	-	
Total Revenues	<u>650,000</u>	<u>1,012,400</u>	
Estimated Cash Balance (12/31/2X bal)*			
Total Funds Available	<u><u>650,000</u></u>	<u><u>1,012,400</u></u>	
Expenses:			
Wages and Salary Related	450,000	450,000	-
Retirement	55,000	55,000	-
Health/Dental Insurance	120,000	95,000	(25,000)
Medicare	6,000	6,000	-
Disability/Life Benefits	9,000	8,000	(1,000)
Worker's Compensation	4,000	5,500	1,500
Employee Reimbursements	20,000	20,000	-
Professional Services			-
Advertising/Printing/Courier Services/Postage	3,000	3,000	-
Subscriptions/Dues	25,000	25,000	-
IT Support / Internet	3,500	12,000	8,500
Legal	50,000	50,000	-
Other			-
Bank Charges/Payroll	5,500	5,500	-
Insurance	32,000	35,000	3,000
Office Supplies	4,000	3,000	(1,000)
Office Rent	9,000	9,000	-
Miscellaneous	5,500	5,500	-
Office Equipment	5,000	5,000	-
Contractual Services			-
Fraunfelter Acct. Services	35,000	20,000	(15,000)
Mike Eddy engineering	35,000	50,000	15,000
Other consultants	15,000	15,000	
Audit includes GFOA filing fees	20,000	23,000	3,000
Public Relations	8,500	8,500	-
Other	25,000	25,000	-
Total Expenses	<u><u>945,000</u></u>	<u><u>934,000</u></u>	(11,000)
Year End Balance (budget basis)	(295,000)	78,400	373,400

* Funds the TID allocate to reserves from the operating fund are allocated to those funds for budgeting purposes

**MONTGOMERY COUNTY TID
INITIAL PROJECT BUDGET - 2025
FUND #702 - Austin Interchange**

Account Category	2025 Project Budgets			
	Prior project Debt Service	Austin East	Mound/Church Connector	Deer Valley
Revenues:				
Federal Earmarks				
Miami Twp		47,000		
Miamisburg			107,600	66,568
Oberer				
HSIP / Safety Funds			549,377	
Local Contributions - Debt Service	1,012,303			
Local Contributions - Byers Deficit	-			
Total Revenues	1,012,303	47,000	656,977	66,568
Cash Balance (12/31/2024)				53,406
Total Funds Available	1,012,303	47,000	656,977	119,974
Expenditures				
Construction				117,493
TID Fee		25,000	25,000	
Contract Services				
Inspections				2,481
Engineering Services			626,977	
ROW/Surveying Services		12,000		
Debt Service:				
Austin Landing Phase 2	808,806			
Lyons Road - SIB	56,910			
Lower Miamisburg Road - SIB	146,587			
Legal		10,000	5,000	
Total Expenses	\$ 1,012,303	\$ 47,000	\$ 656,977	\$ 119,974
FY 2025 Year End Balance (budget basis)	-	-	-	-

**MONTGOMERY COUNTY TID
INITIAL PROJECT BUDGET - 2025
FUND #703 - 725/741 Development Fund**

Account Category	2025 Project Budgets	
	Prior project Debt Service	75/725 Ped Access
Revenues:		
Intergovernmental - Vienna Parkway (SIB Debt)	265,219	
75/725 Payments from Miamisburg		101,853
75/725 Payments from JEDD		101,853
Total Revenues	265,219	203,706
Cash Balance (12/31/23)	-	-
Total Funds Available	265,219	203,706
Expenditures		
Contract Services		
Construction related services		200,690
Legal Services		3,016
TID Fee		
Debt Service - Principal	232,974	
Debt Service - Interest/Closing Costs	32,245	
Total Expenses	\$ 265,219	\$ 203,706
FY 2025 Year End Balance (budget basis)	\$ -	\$ -

**MONTGOMERY COUNTY TID
INITIAL PROJECT BUDGET - 2025
FUND #707 - 70/75 Development Fund**

Account Category	TOTAL
<u>Revenues:</u>	
Intergovernmental - City of Union	1,759,700
Intergovernmental - Montgomery County	104,834
Intergovernmental - MCEO	131,500
Intergovernmental - City of Union TIF	2,667,109
Intergovernmental - City of Union TIF (project c	-
Intergovernmental - City of Vandalia	29,252
Intergovernmental - Butler Township	963,084
Intergovernmental - SIB Draws	464,808
Intergovernmental - City of Dayton	25,000
SBIG 629	486,382
TID/JC Grants	1,000,000
ED/GE Funds	500,000
OPWC	2,500,000
Other Reimbursements	4,984,954
 Total Revenues	 15,616,623
Cash Balance (12/31/24)	1,136,338
Total Funds Available	16,752,961
 <u>Expenditures</u>	
Right of Way Related Costs	62,500
Engineering	221,714
Contract Services	
Professional Services	13,565
TID Fee	278,400
Inspection	100,249
Construction Related Costs	6,622,218
Maintenance Payment	25,000
Return of Funds	150,000
Legal Services	74,768
Legal Services - TID Reimbursement	
US 40 - SIB	238,920
Principal - SIB (Intg Pay) 2025 last year	1,402,665
Principal - Dayton Port (Intg Pay)	100,000
Interest - SIB (Intg Pay)	69,121
Interest - Dayton Port (Intg Pay)	3,637
 Total Expenses	 \$ 9,362,757
 FY 2025 Year End Balance (budget basis)	 \$ 7,390,204

**MONTGOMERY COUNTY TID
INITIAL PROJECT BUDGET - 2025
FUND #708 - Brookville**

Account Category	Debt Service
Revenues:	
Intergovernmental - Brookville	146,874
Total Revenues	146,874
Cash Balance (12/31/24)	
Total Funds Available	146,874
Expenditures	
Debt Service - Principal*	99,208
Debt Service - Interest	47,666
	-
Total Expenses	\$ 146,874
FY 2025 Year End Balance (budget basis)	\$ -

**MONTGOMERY COUNTY TID
INITIAL PROJECT BUDGET - 2025
FUND #710 - 675 Development Fund**

Account Category	2025 Project Budgets		
	Debt Service	675 / Wilm Ph 1	675 / Wilm Ph 2
Revenues:			
Intergovernmental - Centerville			7,629
SIB 230006 (GC Local Share TRAC)			7,629
TRAC-ODOT 80%			61,032
Intergovernmental Sugar Creek Twp/Greene County*			
Intergovernmental - SIB 210006	58,348	22,835	
Total Revenues	58,348	22,835	76,290
Cash Balance (12/31/24)	-		
Total Funds Available	58,348	22,835	76,290
Expenditures			
Contract Services			
Engineering-Environmental		22,635	76,290
Legal Services		200	
Return of Funds			
TID Fee			
Debt Service - Principal*	81,894		
Debt Service - Interest	20,938		
Total Expenses	\$ 102,832	\$ 22,835	\$ 76,290
FY 2025 Year End Balance (budget basis)		\$ -	\$ -

***Sugarcreek Twp/Greene County CIC funds of \$100,000 to be applied to Debt Services with \$44,484 remaining for 2025**

**MONTGOMERY COUNTY TID
INITIAL PROJECT BUDGET - 2025
FUND #712 - Miamisburg Downtown Projects**

Account Category	2025 Project Budgets
	Sycamore Trails
Revenues:	
Intergovernmental - Miamisburg	3,951,938
Total Revenues	3,951,938
Cash Balance (12/31/24)	309,000
Total Funds Available	4,260,938
 Expenditures	
Construction Contract	3,951,938
TID Fee	309,000
Construction Related Costs	-
Legal Services	-
Total Expenses	\$ 4,260,938
FY 2025 Year End Balance (budget basis)	\$ -

**MONTGOMERY COUNTY TID
INITIAL PROJECT BUDGET - 2025
FUND #715 - RIVERSIDE PROJECTS**

Account Category	2025 Project Budgets Woodman
Revenues:	
Intergovernmental	544,930
	-
Total Revenues	544,930
Cash Balance (12/31/24)	-
Total Funds Available	544,930
 Expenditures	
Engineering	509,930
TID Fee	25,000
Legal Services	10,000
	-
Total Expenses	\$ 544,930
FY 2025 Year End Balance (budget basis)	\$ -

**MONTGOMERY COUNTY
TRANSPORTATION IMPROVEMENT DISTRICT
RESOLUTION NUMBER 2025-21**

**RESOLUTION AUTHORIZING SUBMISSION OF APPLICATIONS TO THE
OHIO DEPARTMENT OF TRANSPORTATION FOR FISCAL
YEAR 2026 TID COMPETITIVE GRANT PROGRAM**

WHEREAS, Ohio House Bill 74 Section 203.40 approved by the 134th Ohio General Assembly provides \$4.5M in funding each fiscal year of the biennium and the Ohio Department of Transportation (“ODOT”) formally announced the solicitation of applications for competitive grants for Fiscal Year 2026 (“FY2026”) for all registered transportation improvement districts (“TID”); and

WHEREAS, the ODOT FY 2026 application submission period will be open from March 1, 2025 through March 28, 2025, followed by an assessment and application review period the week of April 21, 2025, and anticipated announcement of award prior to July 1, 2025; and

WHEREAS, the Montgomery County TID is a registered TID approved by ODOT to compete for and receive grant funds from its FY2026 TID grant program; and

WHEREAS, the Executive Director has recommended that an application be submitted for funds to help complete the improvement of roadways connecting economic development (1) in the Union Airpark Industrial Park and the northern side of the Dayton International Airport to Interstate 70 and Interstate 75, and (2) West Carrollton’s River District.

NOW THEREFORE BE IT RESOLVED, by the Board of Trustees of the Montgomery County Transportation Improvement District that the Executive Director be and is hereby authorized to prepare and submit applications to the Ohio Department of Transportation FY2026 TID Competitive Grant Program for the maximum allowable grant award of \$500,000 for each project.

BE IT FURTHER RESOLVED, by the Board that copies of this resolution be provided to the Executive Director, Secretary/Treasurer, Finance Director, and TID’s General Counsel, Ohio Department of Transportation, the City of Union, and the City of West Carrollton.

Adopted the 13th day of March, 2025.

Chairperson, Montgomery County Transportation Improvement District

Attest: _____
Secretary/Treasurer

**MONTGOMERY COUNTY
TRANSPORTATION IMPROVEMENT DISTRICT**

RESOLUTION NUMBER 2024-22

**RESOLUTION ACCEPTING O.R. COLAN ASSOCIATES PROPOSAL FOR RIGHT OF WAY
ACQUISITION SERVICES FOR THE CHURCH CONNECTOR PROJECT, MOT-CR166-04.07
PID 119569 AND AUTHORIZING THE EXECUTIVE DIRECTOR TO NEGOTIATE AND EXECUTE
AGREEMENTS WITH O.R. COLAN ASSOCIATES AND THE OHIO DEPARTMENT OF
TRANSPORTATION FOR CONSULTANT SERVICES**

WHEREAS, by action of Resolution 2023-68, the Board approved the Subsequent Addendum to the 2020 Mound Connector Project Agreement to assist the City of Miamisburg (“City”) with the design and construction of a roundabout for the Church Connector to provide improved and safer access from the Austin Interchange to the facility known as the Mound Business Park; and

WHEREAS, by action of Resolution 2023-82, the Board authorized the TID to enter into a Federal Local-Let Project Agreement with the Ohio Department of Transportation (“ODOT”) to act as the responsible Local-Let Agency (“LPA”) for the administration and implementation of funds of the Church Connector, MOT-CR166-04.07 PID 119569 (“Project”); and

WHEREAS, O.R. Colan Associates (“ORC”) has submitted a proposal with scope and fees to perform right-of-way acquisition services as defined in the Relocation Assistance and Real Property Acquisition Policies Act of 1970 (“Uniform Act”); and

WHEREAS, the Executive Director has reviewed the proposal and recommended that the proposal dated February 27, 2025, from ORC for acquisition services for the Project, upon ODOT’s approval and encumbrance of funds, in amount not to exceed \$55,965.00.

NOW THEREFORE BE IT RESOLVED, by the Board of Trustees of the Montgomery County Transportation Improvement District that the attached proposal from ORC for acquisition services for the Church Connector Project be and is hereby accepted in an amount not to exceed \$55,965.00.

BE IT FURTHER RESOLVED, that the Executive Director is authorized to negotiate and execute a Local-Let Project Consultant Agreement with ORC and ODOT, incorporating such provisions that may be required in final negotiations, provided that the Executive Director and General Counsel determine that such changes are not detrimental to the TID or the Project.

BE IT FURTHER RESOLVED, that the Executive Director is authorized to negotiate and execute a Professional Services Agreement with ORC upon receipt of ODOT’s approved Local-Let Project Consultant Agreement, incorporating such provisions that may be required in final negotiations, provided that the Executive Director and General Counsel determine that such changes are not detrimental to the TID or the Project.

BE IT FURTHER RESOLVED, by the Board, that copies of this resolution be provided to the Executive Director, Secretary/Treasurer, Finance Director, TID’s General Counsel, Ohio Department of Transportation, City of Miamisburg, and O.R. Colan Associates.

Adopted the 13th day of March, 2025.

Chairperson, Montgomery County Transportation Improvement District

Attest: _____

Secretary/Treasurer

RW ACQUISITION SERVICES COST PROPOSAL

Company Name: Montgomery County Transportation Improvement District

District: 7

Date: 2/25/2025

PID NO.: 119569

Task No.: 1

Project CRS: MOT CR 166-04.07

Pay Item	Type of Unit	No. of Units	Fee Per Unit	Total Amount
1. Project Management - line items found in sections below	parcel			
2. Appraisal				
a. RE 95 Preparation	parcel	1	\$375.00	\$375.00
b. R/W Appraisal Report (RE 25-17)	parcel	1	\$6,500.00	\$6,500.00
c. Limited Scope R/W Appraisal Report (RE 25-17)	parcel			\$0.00
d. Value Finding (RE 90)	parcel	2	\$1,500.00	\$3,000.00
e. Value Analysis	parcel	5	\$700.00	\$3,500.00
f. Project Data Book	parcel			\$0.00
g. Project Management	parcel	8	\$220.00	\$1,760.00
SECTION SUBTOTAL				\$15,135.00
3. Appraisal Review				
a. R/W Appraisal Report(RE 25-16)	parcel			\$0.00
b. Limited Scope R/W Appraisal Report (RE 25-16)	parcel			\$0.00
c. Value Finding (RE 25-14)	parcel			\$0.00
d. Value Analysis (RE 25-13)	parcel			\$0.00
e. USPAP Review (RE 25-12)	parcel			\$0.00
f. Parcel Impact Note	parcel			\$0.00
g. Appraisal Problem Analysis	parcel			\$0.00
h. Project Management	parcel			\$0.00
SECTION SUBTOTAL				\$0.00
4. Title Researches				
a. Abbreviated Titles	parcel			\$0.00
b. Full Title (42 year)	parcel	7	\$770.00	\$5,390.00
b. File Title (42 Year) Pcl. 44	parcel	1	\$1,300.00	\$1,300.00
c. Title Update	parcel			\$0.00
d. Project Management	parcel	8	\$220.00	\$1,760.00

SECTION SUBTOTAL	\$8,450.00
SECTION TOTAL	\$23,585.00

Table split for Federal Authorization for Right of Way Acquisition

Pay Item	Type of Unit	No. of Units	Fee Per Unit	Total Amount
5. Negotiation				
a. Negotiation (includes letters, packets, negotiations, billings, document preparation, plan revision coordination, etc.)	parcel	8	\$1,155.00	\$9,240.00
b. Negotiation-package submission	parcel	8	\$1,155.00	\$9,240.00
b. Bill of Sale Negotiation	Per BS Parcel			\$0.00
c. Negotiation Trainee	parcel			\$0.00
d. Project Management	parcel	8	\$220.00	\$1,760.00
SECTION SUBTOTAL				\$20,240.00
6. Closings				
a. Mail Out	parcel	4	\$475.00	\$1,900.00
b. Formal (includes forms RE 30, 31, 44, 45 & 57 and etc.)	parcel	3	\$650.00	\$1,950.00
c. Formal - structure parcels	parcel	1	\$850.00	\$850.00
d. Title Update for Appropriation	parcel			\$0.00
e. Mortgage Release	per release	1	\$400.00	\$400.00
f. Project Management	per release	8	\$220.00	\$1,760.00
SECTION SUBTOTAL				\$6,860.00
7. Relocation Assistance Services				
a. Residential offer made	parcel			\$0.00
b. Residential final billing	parcel			\$0.00
c. Commercial Offer made	parcel			\$0.00
d. Commercial final billing	parcel			\$0.00
e. Personal Property final billing	parcel	1	\$3,500.00	\$3,500.00
f. Pre-Acquisition Survey/Interview	parcel	1	\$480.00	\$480.00
g Pre-Acquisition Report	parcel	1	\$1,100.00	\$1,100.00
Project Management for h Relocation/Relocation Review	parcel	1	\$200.00	\$200.00
SECTION SUBTOTAL				\$5,280.00
8 Relocation Review				

a. Residential Review	parcel			\$0.00
b. Commercial Review	parcel			\$0.00
c. Personal Property Review	parcel			\$0.00
d. Project Management	parcel			\$0.00
SECTION SUBTOTAL				\$0.00

Pay Item	Type of Unit	No. of Units	Fee Per Unit	Total Amount
9. Asbestos				
a. Collection/Reporting	parcel			\$0.00
b. Testing	parcel			\$0.00
SECTION SUBTOTAL				\$0.00
10. Miscellaneous				
a. Red Books	parcel			\$0.00
b. Meetings and Testimony for appropriations	parcel			\$0.00
c. Property Management	parcel			\$0.00
d. Specialty Appraisal Studies (Parking, Rent, Architectural etc.)	parcel			\$0.00
e. Copies and Recording fees (reimbursable based on actual cost for Titles and Closings - receipts necessary)	parcel			\$0.00
f. R/W Cost Estimate (RE-101)	parcel			\$0.00
SECTION SUBTOTAL				\$0.00
SECTION TOTAL				\$32,380.00
GRAND TOTAL				\$55,965.00

**MONTGOMERY COUNTY
TRANSPORTATION IMPROVEMENT DISTRICT**

RESOLUTION NUMBER 2025-23

RESOLUTION ACCEPTING ARCADIS U.S., INC. PROPOSAL FOR PLANNING AND ENGINEERING SERVICES FOR THE FREDERICK PIKE AND OLD SPRINGFIELD ROAD INTERSECTION PROJECT, MOT-CR168-08.17 PID 122010 AND AUTHORIZING THE EXECUTIVE DIRECTOR TO NEGOTIATE AND EXECUTE AGREEMENTS WITH ARCADIS U.S., INC. AND ODOT FOR CONSULTANT SERVICES

WHEREAS, the Board of Trustees (“Board”) of the Montgomery County Transportation Improvement District (“TID”), by action of Resolution 2024-54, entered into a Cost-Sharing Agreement with the Board of County Commissioners of Board of County Commissioners of Montgomery County (“County”), the Montgomery County Engineer (“Engineer”), and the City of Union (“City”) for the Frederick Pike and Old Springfield Road Intersection Improvement Project, MOT-CR168-08.17 PID 122010 (“Project”), including TID act as the responsible Local Public Agency (“LPA”) on behalf of the City and Engineer for the Ohio Department of Transportation (“ODOT”) and Miami Valley Regional Planning Commission (“MVRPC”) funding programs; and

WHEREAS, by action of Resolution 2024-63, the Board authorized the TID, with concurrence from the Engineer and the City, to pursue the ODOT Procurement Process for Letters of Interest (“LOI”) for planning and engineering services from prequalified consultants through the ODOT website; and

WHEREAS, by action of Resolution 2025-07, the Board approved the Executive Director’s recommendation, based upon the Selection Committee’s reviewed, rated, and ranked LOI’s, selection of Arcadis U.S., Inc. (“Arcadis”) as the highest ranked consultant; and

WHEREAS, Arcadis has submitted a proposal with scope and fees to perform construction plan and right-of-way plan development of the Project; and

WHEREAS, the Executive Director has reviewed the proposal and recommended that the proposal dated March 11, 2025, from Arcadis for construction plan and right-of-way plan development, upon ODOT’s approval and encumbrance of funds, in an authorized amount not to exceed \$412,497.00 and an if-authorized amount not to exceed \$64,107.00, for a total amount of \$476,604.00.

NOW THEREFORE BE IT RESOLVED, by the Board of Trustees of the Montgomery County Transportation Improvement District that the attached proposal from Arcadis for the construction plan and right-of-way plan development of the Frederick Pike and Old Springfield Road Intersection Project be and is hereby accepted in an amount not to exceed \$476,604.00.

BE IT FURTHER RESOLVED, that the Executive Director is authorized to negotiate and execute a Local-Let Project Consultant Agreement with Arcadis and ODOT, incorporating such provisions that may be required in final negotiations, provided that the Executive Director and General Counsel determine that such changes are not detrimental to the TID or the Project.

BE IT FURTHER RESOLVED, that the Executive Director is authorized to negotiate and execute a Professional Services Agreement with Arcadis upon receipt of ODOT’s approved Local-Let Project Consultant Agreement, incorporating such provisions that may be required in final negotiations, provided that the Executive Director and General Counsel determine that such changes are not detrimental to the TID or the Project.

BE IT FURTHER RESOLVED, by the Board that copies of this resolution be provided to the Executive Director, Secretary/Treasurer, Finance Director, TID's General Counsel, Ohio Department of Transportation, Montgomery County Engineer's Office, City of Union, and Arcadis, U.S., Inc.

Adopted the 13th day of March, 2025.

Chairperson, Montgomery County Transportation Improvement District

Attest: _____
Secretary/Treasurer

Ms. Vanessa Glotfelter, PE
Executive Director
Montgomery County Transportation Improvement District
451 West Third St., 10th Floor
Dayton, Ohio 45422-2627

Arcadis U.S., Inc.
7575 Huntington Park Drive
Suite 130
Columbus
Ohio 43235
Tel 614 985 9100
Fax 614 985 9170
www.arcadis.com

Subject:

Frederick Pike/ Old Springfield Rd. Intersection Improvements
PID 120010
Engineering Services Fee Proposal

Dear Ms. Glotfelter:

Arcadis is pleased to submit the following scope and fee for the construction plan and R/W plan development of the Frederick Pike/Old Springfield Road intersection improvements based on the December 17, 2024, meeting with the MCTID, MCEO, ODOT, City of Union and Arcadis.

Date:

March 11, 2025

Contact:

Brian Moore, PE

Phone:

614-747-6036

Email:

brian.k.moore@arcadis.com

Scope of Services

The following is a summary of our scope of services and details can be found on the attachments.

Authorized Services

Task 1 – Preliminary Engineering Phase

- Topographic and boundary survey for the design. The limits of survey are shown in the attached.
- Utility locations based on OUPS request
- Based on discussions with ODOT District 7, Arcadis will prepare a feasibility study that addresses costs, R/W impacts, constructability, MOT, utility impacts, matrix of alternatives.
- Roundabout peer review (Kimley Horn)
- Roundabout geometric submittal included as part of the Feasibility Study including finalized roundabout geometry, speed checks, truck turns, etc.

March 11, 2025

- Virtual meetings with MCTID to discuss feasibility throughout development.
- Develop Stage 1 construction plans for roadway, drainage/ stormwater and lighting.
- Initial utility coordination contacting utilities within the project limits to identify what utilities are present.
- Conceptual MOT evaluation narrative to be included in the Feasibility Study.
- Perform an Airway/ Highway clearance in accordance with ODOT's L&D manual.
- Estimated construction costs
- Geotechnical Services (Terracon)
- PI (Rasor): Public involvement is limited to a notification letter and FAQ brochure.

Task 2 – Environmental Engineering Phase

- Develop Stage 2 construction plans for roadway, drainage/ stormwater and lighting.
- Continue coordination with utilities by sending utilities construction plans, confirming conflicts.
- Develop landscape plans per the example provided at 12/17/24 scoping meeting. An initial concept based on the example will be shared with the MCTID prior to detailing.
- Detour plan and notes (assumed total closure of the intersection)
- Estimated construction costs
- Virtual meetings with MCTID

Task 3 – Final Engineering & R/W Phase

- Develop Stage 3 construction plans and Final Tracings for roadway, drainage/ stormwater and lighting, including summaries.
- Finalize Airway/ Highway Clearance letter.
- Estimated construction costs
- Virtual meetings with MCTID
- Prepare R/W plans, legal descriptions, etc. for the necessary takes (permanent and temporary) for 5 parcels

If Authorized Services

Task 4 – Miscellaneous Engineering Services

- Unforeseen services
- SUE Quality Level A & B
- Watermain and sanitary sewer design. Specifics of the scope and fee to be determined once we know the impacts at the end of the Feasibility Study.
- Bidding assistance answering questions as needed through the bidding process.
- Services during construction.

March 11, 2025

Assumptions

The following are assumptions made for the proposal.

- Arcadis will be provided the Purpose & Need narrative for the Feasibility Study.
- No environmental services are included as this will be completed by ODOT District 7, including the narrative needed for the Feasibility Study.
- A signalized intersection is not warranted and no geometrics for this type of intersection will be included in the Feasibility Study.
- Reviews by MCTID, Montgomery County Engineers Office and ODOT D7 will be done concurrently. Any conflicts between agencies will be resolved prior to resuming work.

Services Provided by Subconsultants

The following subconsultants are part of the design team and will be providing the following services. The details are attached.

- Geotechnical Services: Terracon
- Roundabout Peer Review, Detour Plan and Traffic Control: Kimley Horn
- Public Involvement: Rasor
- Subsurface Utility Engineering: SAM

Proposed Compensation

Arcadis will invoice for this Scope of Services on a cost reimbursement basis up to a proposed maximum fee of \$412,497 for authorized services and \$64,107 for if authorized services (total \$476,604).

The attached documentation presents a breakdown of hours and fee for each task.

Sincerely,

Arcadis U.S., Inc.

A handwritten signature in black ink, appearing to read "Brian K. Moore". The signature is fluid and cursive, with a long horizontal flourish at the end.

Brian Moore, P.E.
Project Manager

CTY-RTE-SECTION



OLD SPRINGFIELD ROAD & FREDERICK PIKE
SURVEY LIMITS

DESIGN AGENCY
ARCADIS
 23 TRINACLE DRIVE, SUITE 2000
 CHARLOTTE, NC 28206
 www.arcadis.com

DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	0
SHEET	TOTAL
P:0	0

SUMMARY OF STEPS

SUMMARY OF STEPS

MOT-CR165-08.71

Consultant: Arcadis
Agreement No. 0
Modification No. 0
PID No. 122010
Proposal Date 3/11/2025

Average Hourly Rate	Total Hours	Labor Costs	Overhead Costs	Cost of Money	Direct Costs	Subcon Costs	Net Fee	Total Cost
AUTHORIZED TASKS:								
Planning Phase								
\$68.00	4	\$272	\$429	\$2	\$0	\$0	\$78	\$780
Preliminary Engineering Phase								
\$51.32	1181	\$60,610	\$95,576	\$365	\$1,300	\$41,231	\$17,333	\$216,415
Environmental Engineering Phase								
\$53.91	784	\$42,266	\$66,649	\$254	\$0	\$19,713	\$12,087	\$140,970
Final Engineering Phase								
\$58.02	265	\$15,374	\$24,243	\$93	\$0	\$10,225	\$4,397	\$54,331
TOTAL AUTHORIZED TASKS								
\$53.05	2234	\$118,522	\$186,897	\$714	\$1,300	\$71,169	\$33,895	\$412,497
IF-AUTHORIZED TASKS:								
Planning Phase								
Preliminary Engineering Phase								
\$57.47	34	\$1,954.00	\$3,081.26	\$11.77	\$0.00	\$28,613.00	\$558.80	\$34,218.83
Environmental Engineering Phase								
\$61.70	122	\$7,528.00	\$11,870.90	\$45.33	\$0.00	\$0.00	\$2,152.84	\$21,597.07
Final Engineering Phase								
\$72.25	40	\$2,890.00	\$4,557.24	\$17.40	\$0.00	\$0.00	\$826.48	\$8,291.12
TOTAL IF-AUTHORIZED TASKS								
\$63.12	196	\$12,372	\$19,509	\$74	\$0	\$28,613	\$3,538	\$64,107
GRAND TOTAL	2430	\$130,894.00	\$206,406.75	\$788.11	\$1,300.00	\$99,782.00	\$37,432.80	\$476,603.67

MOT-CR165-08.71		PROPOSAL LABOR SUMMARY										Version: Sept 2021	
Consultant:		Arcadis											
Agreement No.													
Modification No.													
PID No.		122010											
Proposal Date		3/11/2025											
Task Description		No. of Units	Project Manager & QAQC	Senior Engineer	Traffic Engineer	Engineer II	Engineer I	Survey Tech/ Clerical	Surveyor	Insert Labor Category Name	Total		
			\$88.00	\$66.00	\$68.00	\$50.00	\$34.00	\$36.00	\$46.00	\$0.00	Hours	Cost	
AUTHORIZED TASKS:													
1 - Planning Phase													
1.3 - Existing Data, Research and Analysis													
1.3.C - Traffic Counts													
1.3.H - Develop Purpose & Need													
TOTAL 1.3 - Existing Data, Research and Analysis													
TOTAL 1 - Planning Phase													
2 - Preliminary Engineering Phase													
2.1 - Develop Preliminary Alternatives													
2.1.A - Prepare and Complete Feasibility Study Report													
2.1.A.B - Certified Traffic Feasible (Build) Alternative(s)													
2.1.A.C - Capacity Analysis Feasible (Build) Alternative(s)													
2.1.A.D - Safety Analysis for Feasible (Build) Alternative(s)													
2.1.A.E - Field Survey and Aerial Mapping - Planning Level													
2.1.A.G - Preliminary Alignment and Profile													
2.1.A.J - Stakeholder Public Involvement													
2.1.A.K - Prepare Feasibility Study													
TOTAL 2.1 - Develop Preliminary Alternatives													
2.3 - AER Design													
2.3.A - Field Survey and Aerial Mapping													
2.3.A.A - Project Control, Benchmarks, and Reference Points													
2.3.A.A.2 - Type "B" Monument Specified													
2.3.A.B - Monumentation recovery													
2.3.A.B.1 - Existing Centerline and R/W													
2.3.A.C - Base Mapping (incl. field verify.)													
2.3.A.C.2 - Topographic Survey													
2.3.A.F - Establish property lines, tax id, & ownerships on base map													
2.3.F - Maintenance of Traffic													
2.3.F.B - MOT													
2.3.F.B.2 - MOT - Conceptual MOT Plan													
TOTAL 2.3 - AER Design													
2.7 - Stage 1 Design													
2.7.A - Roadway													
2.7.A.A - Title Sheet													
2.7.A.B - Schematic Plan													
2.7.A.C - Roundabout Geometric Layout													
2.7.A.C - General Notes													
2.7.A.D - Typical Sections													
2.7.A.E - Cross Sections													
2.7.A.F - Plan and Profile - Mainline													
2.7.A.J - Intersection Details													
2.7.A.L - Driveway Details													
2.7.A.N - Traffic Control													
2.7.B - Drainage													
2.7.B.A - Storm Sewer Profiles													
2.7.B.D - Drainage Calculations													
2.7.B.D.2 - Ditches													
2.7.B.D.3 - Storm Sewer													
2.7.B.E - BMP Design													
2.7.C - Utilities													
2.7.C.A - Utility Coordination and Documentation													
2.7.C.D - Add Utilities to Plan/Profile Sheets													
2.7.D - Geotechnical Services													
2.7.D.A - Geotechnical Services and Report													
2.7.G - Miscellaneous													
2.7.G.A - Perform Airway/Highway clearance analysis													
2.7.H - Prepare C2 Cost Estimates and Update Milestones													
2.7.H.A - Roadway/Interchange Costs													
2.7.J - Maintenance of Traffic													
2.7.J.A - Detour Plan													
TOTAL - 2.7 - Stage 1 Design													
2.8 - Project Management for Preliminary Engineering Phase													
2.8.A - Meetings													
2.8.B - General Oversight													
2.8.C - Project Set Up													

PROPOSAL LABOR SUMMARY											Version: Sept 2021	
MOT-CR165-08.71												
Consultant:	Arcadis											
Agreement No.												
Modification No.												
PID No.	122010											
Proposal Date	3/11/2025											
Task Description	No. of Units	Project Manager & QAQC	Senior Engineer	Traffic Engineer	Engineer II	Engineer I	Survey Tech/ Clerical	Surveyor	Insert Labor Category Name	Total		
		\$88.00	\$66.00	\$68.00	\$50.00	\$34.00	\$36.00	\$46.00	\$0.00	Hours	Cost	
TOTAL 2.8 - Project Management for Preliminary Engineering Phase		39	17	0	3	0	0	0	0	59	\$4,704	
Total - 2 Preliminary Engineering Phase		92	187	46	368	267	60	161	0	1181	\$60,610.00	
3 - Environmental Engineering Phase												
3.3 - Stage2												
3.3.A - Roadway												
3.3.A.A - Title Sheet	1	1	1	1	1					4	\$272	
3.3.A.B - Schematic	1	1	1		1	1				4	\$238	
3.3.A.C - Roundabout Geometric Layout	2	1	2		2	1				6	\$354	
3.3.A.C - General Notes	3	4	8		6	6				24	\$1,384	
3.3.A.D - Typical Sections	10	1	4		8	7				20	\$990	
3.3.A.E - Plan and Profile - Mainline	9	2	14		20	20				56	\$2,780	
3.3.A.H - Cross Sections	20	2	14		24	20				60	\$2,980	
3.3.A.I - Intersection Details	5	2	3		4	3				12	\$676	
3.3.B - Drainage												
3.3.B.A - Storm Sewer Profiles		2	2		7					11	\$658	
3.3.B.D - Underdrain details		4	4		14					22	\$1,316	
3.3.B.E - BMP Details		2	2		2					6	\$408	
3.3.C - Traffic Control												
3.3.C.A - Pavement Marking Plan	5	1	1							2	\$154	
3.3.C.B - Signing Plan		1	1							2	\$154	
3.3.E - Maintenance of Traffic												
3.3.E.A - MOT General Notes	1	1	1							2	\$154	
3.3.E.B - Detour Plan	1	1	1							2	\$154	
3.3.F - Lighting Plan												
3.3.F.A - Lighting Analysis		2	2		16					20	\$1,108	
3.3.F.B - Power/Circuit Layout & Details		2	2		14					18	\$1,008	
3.3.F.C - Lighting Plan and Details	1	3	2		33					38	\$2,046	
3.3.F.D - Voltage Drop Calculations	1		2		6					8	\$432	
3.3.F.E - Power Service			2		8					10	\$532	
3.3.G - Landscape Plan												
3.3.G.A - Landscape Plan and Details	1	1	1		6					8	\$454	
3.3.G.B - General Notes		1	1		2					4	\$254	
3.3.J - Utilities												
3.3.J.A - Utility Coordination and Documentation		6	6		6	6				24	\$1,428	
3.3.K - Geotechnical Services												
3.3.K.A - Finalize Geotechnical Investigation and Report		1	1							2	\$154	
TOTAL 3.3 - Stage2		42	78	1	180	64	0	0	0	365	\$20,088.00	
3.4 - Right of Way Plans												
3.4.B - Preliminary Right of Way Plans												
3.4.B.A - Legend Sheet	1	1			8			4		13	\$672	
3.4.B.B - Centerline Survey Plat	2	1			30			10		41	\$2,048	
3.4.B.C - Property Map	1	1			20			6		27	\$1,364	
3.4.B.D - Summary of Additional Right of Way	1	1			9			3		13	\$676	
3.4.B.E - Detailed ROW Plan Sheets	5	1			100			50		151	\$7,388	
3.4.B.G - Legal Descriptions and Closure Calculations		1			30			14		45	\$2,232	
3.4.B.I - Field Review								6		6	\$276	
3.4.C - Final Right of Way Plans												
3.4.C.A - Final Right of Way Plans		1			18			7		26	\$1,310	
3.4.C.B - Field Review & Verify Property Owners					2			6		8	\$376	
3.4.C.D - Set R/W Pins after acquisition								24		24	\$1,104	
TOTAL 3.4 - Right of Way Plans		7	0	0	217	0	0	130	0	354	\$17,446	
3.8 - Prepare Cost Estimates and Revise Milestone												
3.8.A - Roadway/Interchange Costs		2	6		12					20	\$1,172	
TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone		2	6	0	12	0	0	0	0	20	\$1,172	
3.9 - Project Management for Environmental Engineering Phase												
3.9.A - Meetings		3	3		3					9	\$612	
3.9.B - General Oversight		26	10							36	\$2,948	
TOTAL 3.9 - Project Management for Environmental Engineering Phase		29	13	0	3	0	0	0	0	45	\$3,560.00	
Total - 3 Environmental Engineering Phase		80	97	1	412	64	0	130	0	784	\$42,266.00	
4 - Final Engineering and R/W Phase												
4.2 - Stage 3 Detailed Design Plans												
4.2.A - Quantities and Notes												
4.2.A.A - Pavement Subsummary	1	1	4		6	5				16	\$822	
4.2.A.B - Drainage Subsummary	1	1	2		3	2				8	\$438	
4.2.A.C - Roadway Subsummary	1	2	6		8	8				24	\$1,244	
4.2.A.E - Maintenance of Traffic Subsummary	1	1	1							2	\$154	

MOT-CR165-08.71		PROPOSAL LABOR SUMMARY										Version: Sept 2021	
Consultant:		Arcadis											
Agreement No.													
Modification No.													
PID No.		122010											
Proposal Date		3/11/2025											
Task Description	No. of Units	Project Manager & QAQC	Senior Engineer	Traffic Engineer	Engineer II	Engineer I	Survey Tech/ Clerical	Surveyor	Insert Labor Category Name	Total			
										Hours	Cost		
4.2.A.F - Pavement Marking Subsummary	1	\$88.00	\$66.00	\$68.00	\$50.00	\$34.00	\$36.00	\$46.00	\$0.00	2	\$154		
4.2.A.G - Signing Subsummary	1									2	\$154		
4.2.A.K - Lighting Subsummary	1		6		5	5				17	\$904		
4.2.A.L - Landscape Subsummary	1		1		1	1				4	\$238		
4.2.A.M - General Summary Sheet	2		8		9	9				28	\$1,460		
4.2.A.P - General Notes	3		4		3	3				12	\$692		
4.2.A.Q - Driveway Subsummary or Driveway Details (if included on same sheet)	1		4		4	3				12	\$654		
4.2.A.R - Lighting Notes	1		2		15	5				23	\$1,140		
4.2.D - Miscellaneous													
4.2.D.B - Prepare FAA Form 7460-1 for Airway/Highway Clearance		2	2		2	4				10	\$544		
4.2.D.C - Project Site Plan	1	2	4		8	10				24	\$1,180		
4.2.D.G - Title Sheet	1	2	2		1	1				6	\$392		
TOTAL 4.2 - Stage 3 Detailed Design Plans		21	48	0	65	56	0	0	0	190	\$10,170.00		
4.3 - Prepare Cost Estimates and Revise Milestone													
4.3.A - Roadway/Interchange Costs		2	3		2	3				10	\$576		
TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone		2	3	0	2	3	0	0	0	10	\$576.00		
4.4 - Final Plan Package													
4.4.A - Submission of Final Tracings and Documentation		8	16		3	5				32	\$2,080		
4.4 - Final Plan Package		8	16	0	3	5	0	0	0	32	\$2,080.00		
4.5 - Project Management for Final Engineering and Right of Way Phase													
4.5.A - Meetings		3	3		3					9	\$612		
4.5.B - General Oversight		16	8							24	\$1,936		
TOTAL 4.5 - Project Management for Final Engineering and Right of Way Phase		19	11	0	3	0	0	0	0	33	\$2,548.00		
TOTAL - Final Engineering Phase		50	78	0	73	64	0	0	0	265	\$15,374.00		
TOTAL AUTHORIZED PARTS		222	362	51	853	395	60	291	0	2234	\$118,522.00		
IF-AUTHORIZED TASKS:													
2 - Preliminary Engineering Phase													
2.1 - Develop Preliminary Alternatives													
2.1.A - Prepare and Complete Feasibility Study Report													
2.1.A.J - Stakeholder Public Involvement													
	1		1							2	\$154		
2.7 - Stage 1 Design													
2.7.A - Roadway													
2.7.A.I - Superelevation Table													
	2	1	6		9	8				24	\$1,206		
2.7.C - Utilities													
2.7.C.B - Description or proposed water and/or sewer work													
	2	2			16					20	\$1,108		
2.7.C.C - Subsurface Utility Engineering (SUE) - QL-A													
	1	1			1	1				4	\$238		
2.7.C.C - Subsurface Utility Engineering (SUE) - QL-B													
	1	1			1	1				4	\$238		
2.7.H - Prepare C2 Cost Estimates and Update Milestones													
2.7.H.C - Utility Costs													
	1	2			3					6	\$370		
TOTAL - 2.7 - Stage 1 Design		5	6	0	21	2	0	0	0	34	\$1,954.00		
Total - 2 Preliminary Engineering Phase		5	6	0	21	2	0	0	0	34	\$1,954.00		
3 - Environmental Engineering Phase													
3.3 - Stage2													
3.3.G - Landscape Plan													
3.3.G.A - Landscape Plan and Details													
	1	4			7					12	\$702		
3.3.G.B - General Notes													
	1	1			2					4	\$254		
3.3.J - Utilities													
3.3.J.B - Water Works Plan													
	10	20			30					60	\$3,700		
3.3.J.C - Water Works Details & Notes													
	4	4			8					16	\$1,016		
3.3.J.D - Sanitary Sewer Plans													
	4	6			14					24	\$1,448		
TOTAL 3.3 - Stage2		20	35	0	61	0	0	0	0	116	\$7,120.00		
3.8 - Prepare Cost Estimates and Revise Milestone													
3.8.C - Utility Costs													
	2	2			2					6	\$408		
TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone		2	2	0	2	0	0	0	0	6	\$408.00		
Total - 3 Environmental Engineering Phase		22	37	0	63	0	0	0	0	122	\$7,528.00		

MOT-CR165-08		PROPOSAL COST SUMMARY									Version: Sept 2021
Consultant:	Arcadis										
Agreement No.	0			State Average Overhead Rate		159.98%					
Modification No.	0			Consultant Overhead Rate:		157.69%					
PID No.	122010			Cost of Money:		0.60%					
Proposal Date	3/11/2025			Net Fee Percentage:		11%					
		No. of Units	Average Hourly Rate	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Description				Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
AUTHORIZED TASKS:											
1 - Planning Phase											
1.3 - Existing Data, Research and Analysis											
1.3.C - Traffic Counts											
1.3.H - Develop Purpose & Need											
			\$68.00	4	\$272	\$429	\$2	\$0		\$78	\$780
TOTAL 1.3 - Existing Data, Research and Analysis			\$68.00	4	\$272	\$429	\$2	\$0	\$0	\$78	\$780
TOTAL 1 - Planning Phase			\$68.00	4	\$272.00	\$428.92	\$1.64	\$0.00	\$0.00	\$77.79	\$780.34
2 - Preliminary Engineering Phase											
2.1 - Develop Preliminary Alternatives											
2.1.A - Prepare and Complete Feasibility Study Report											
	2.1.A.B - Certified Traffic Feasible (Build) Alternative(s)		\$68.00	16	\$1,088	\$1,716	\$7	\$0		\$311	\$3,121
	2.1.A.C - Capacity Analysis Feasible (Build) Alternative(s)		\$68.00	16	\$1,088	\$1,716	\$7	\$0		\$311	\$3,121
	2.1.A.D - Safety Analysis for Feasible (Build) Alternative(s)		\$68.00	8	\$544	\$858	\$3	\$0		\$156	\$1,561
	2.1.A.E - Field Survey and Aerial Mapping - Planning Level		\$50.00	8	\$400	\$631	\$2	\$0		\$114	\$1,148
	2.1.A.G - Preliminary Alignment and Profile		\$64.00	40	\$2,560	\$4,037	\$15	\$0	\$6,359	\$732	\$13,703
	2.1.A.J - Stakeholder Public Involvement		\$68.00	6	\$408	\$643	\$2	\$750	\$6,500	\$117	\$8,421
	2.1.A.K - Prepare Feasibility Study		\$68.00	28	\$1,904	\$3,002	\$11	\$0		\$545	\$5,462
TOTAL 2.1 - Develop Preliminary Alternatives			\$65.51	122	\$7,992	\$12,603	\$48	\$750	\$12,859	\$2,286	\$36,537
2.3 - AER Design											
2.3.A - Field Survey and Aerial Mapping											
2.3.A.A - Project Control, Benchmarks, and Reference Points											
	2.3.A.A.2 - Type "B" Monument Specified		\$41.00	16	\$656	\$1,034	\$4	\$550		\$188	\$2,432
	2.3.A.B - Monumentation recovery		\$41.00	32	\$1,312	\$2,069	\$8	\$0		\$375	\$3,764
	2.3.A.C - Base Mapping (incl. field verify.)		\$43.10	124	\$5,344	\$8,427	\$32	\$0		\$1,528	\$15,331
	2.3.A.C.2 - Topographic Survey		\$46.00	48	\$2,208	\$3,482	\$13	\$0		\$631	\$6,335
2.3.F - Maintenance of Traffic											
	2.3.F.B - MOT		\$79.20	10	\$792	\$1,249	\$5	\$0		\$226	\$2,272
	2.3.F.B.2 - MOT - Conceptual MOT Plan		\$44.83	230	\$10,312	\$16,261	\$62	\$550	\$0	\$2,949	\$30,134
TOTAL 2.3 - AER Design			\$44.83	230	\$10,312	\$16,261	\$62	\$550	\$0	\$2,949	\$30,134
2.7 - Stage 1 Design											
2.7.A - Roadway											
	2.7.A.A - Title Sheet	1	\$57.25	8	\$458	\$722	\$3	\$0		\$131	\$1,314
	2.7.A.B - Schematic Plan	1	\$44.77	26	\$1,164	\$1,836	\$7	\$0		\$333	\$3,339
	2.7.A.C - Roundabout Geometric Layout	2	\$52.75	16	\$844	\$1,331	\$5	\$0		\$241	\$2,421
	2.7.A.C - General Notes	1	\$59.50	4	\$238	\$375	\$1	\$0		\$68	\$683
	2.7.A.D - Typical Sections	10	\$47.24	50	\$2,362	\$3,725	\$14	\$0		\$675	\$6,776
	2.7.A.E - Cross Sections	20	\$48.29	171	\$8,258	\$13,022	\$50	\$0		\$2,362	\$23,691
	2.7.A.F - Plan and Profile - Mainline	9	\$45.66	152	\$6,940	\$10,944	\$42	\$0		\$1,985	\$19,910
	2.7.A.J - Intersection Details	5	\$46.30	40	\$1,852	\$2,920	\$11	\$0		\$530	\$5,313
	2.7.A.L - Driveway Details	5	\$43.69	32	\$1,398	\$2,205	\$8	\$0		\$400	\$4,011
	2.7.A.N - Traffic Control	5	\$71.50	4	\$286	\$451	\$2	\$0	\$6,057	\$82	\$6,878
2.7.B - Drainage											
	2.7.B.A - Storm Sewer Profiles		\$51.52	50	\$2,576	\$4,062	\$16	\$0		\$737	\$7,390
	2.7.B.D - Drainage Calculations		\$48.15	80	\$3,852	\$6,074	\$23	\$0		\$1,102	\$11,051
	2.7.B.D.2 - Ditches		\$53.64	28	\$1,502	\$2,369	\$9	\$0		\$430	\$4,309
	2.7.B.D.3 - Storm Sewer		\$53.64	28	\$1,502	\$2,369	\$9	\$0		\$430	\$4,309
	2.7.B.E - BMP Design		\$55.60	25	\$1,390	\$2,192	\$8	\$0		\$398	\$3,988
2.7.C - Utilities											
	2.7.C.A - Utility Coordination and Documentation		\$49.75	16	\$796	\$1,255	\$5	\$0		\$228	\$2,284
	2.7.C.D - Add Utilities to Plan/Profile Sheets		\$46.80	10	\$468	\$738	\$3	\$0		\$134	\$1,343
2.7.D - Geotechnical Services											
	2.7.D.A - Geotechnical Services and Report		\$77.00	4	\$308	\$486	\$2	\$0	\$15,197	\$88	\$16,081
2.7.G - Miscellaneous											
	2.7.G.A - Perform Airway/Highway clearance analysis		\$58.00	2	\$116	\$183	\$1	\$0		\$33	\$333
2.7.H - Prepare C2 Cost Estimates and Update Milestones											
	2.7.H.A - Roadway/Interchange Costs		\$53.83	24	\$1,292	\$2,037	\$8	\$0		\$369	\$3,707
2.7.J - Maintenance of Traffic											
	2.7.J.A - Detour Plan								\$2,429		\$2,429
TOTAL - 2.7 - Stage 1 Design			\$48.83	770	\$37,602	\$59,295	\$226	\$0	\$23,683	\$10,753	\$131,559
2.8 - Project Management for Preliminary Engineering Phase											
	2.8.A - Meetings		\$68.00	9	\$612	\$965	\$4	\$0	\$867	\$175	\$2,623
	2.8.B - General Oversight		\$82.50	40	\$3,300	\$5,204	\$20	\$0	\$1,890	\$944	\$11,357
	2.8.C - Project Set Up		\$79.20	10	\$792	\$1,249	\$5	\$0	\$1,932	\$226	\$4,204

PROPOSAL COST SUMMARY											Version: Sept 2021
MOT-CR165-08											
Consultant:	Arcadis										
Agreement No.	0			State Average Overhead Rate		159.98%					
Modification No.	0			Consultant Overhead Rate:		157.69%					
PID No.	122010			Cost of Money:		0.60%					
Proposal Date	3/11/2025			Net Fee Percentage:		11%					
		No. of Units	Average Hourly Rate	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Description				Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
TOTAL 2.8 - Project Management for Preliminary Engineering Phase			\$79.73	59	\$4,704	\$7,418	\$28	\$0	\$4,689	\$1,345	\$18,184
Total - 2 Preliminary Engineering Phase			\$51.32	1181	\$60,610.00	\$95,575.91	\$364.93	\$1,300.00	\$41,231.00	\$17,333.13	\$216,414.97
3 - Environmental Engineering Phase											
3.3 - Stage2											
3.3.A - Roadway											
3.3.A.A - Title Sheet	1	\$68.00		4	\$272	\$429	\$2	\$0		\$78	\$780
3.3.A.B - Schematic	1	\$59.50		4	\$238	\$375	\$1	\$0		\$68	\$683
3.3.A.C - Roundabout Geometric Layout	2	\$59.00		6	\$354	\$558	\$2	\$0		\$101	\$1,016
3.3.A.C - General Notes	3	\$57.67		24	\$1,384	\$2,182	\$8	\$0		\$396	\$3,971
3.3.A.D - Typical Sections	10	\$49.50		20	\$990	\$1,561	\$6	\$0		\$283	\$2,840
3.3.A.E - Plan and Profile - Mainline	9	\$49.64		56	\$2,780	\$4,384	\$17	\$0		\$795	\$7,976
3.3.A.H - Cross Sections	20	\$49.67		60	\$2,980	\$4,699	\$18	\$0		\$852	\$8,549
3.3.A.I - Intersection Details	5	\$56.33		12	\$676	\$1,066	\$4	\$0		\$193	\$1,939
3.3.B - Drainage											
3.3.B.A - Storm Sewer Profiles		\$59.82		11	\$658	\$1,038	\$4	\$0		\$188	\$1,888
3.3.B.D - Underdrain details		\$59.82		22	\$1,316	\$2,075	\$8	\$0		\$376	\$3,775
3.3.B.E - BMP Details		\$68.00		6	\$408	\$643	\$2	\$0		\$117	\$1,171
3.3.C - Traffic Control											
3.3.C.A - Pavement Marking Plan	5	\$77.00		2	\$154	\$243	\$1	\$0	\$7,113	\$44	\$7,555
3.3.C.B - Signing Plan		\$77.00		2	\$154	\$243	\$1	\$0	\$7,291	\$44	\$7,733
3.3.E - Maintenance of Traffic											
3.3.E.A - MOT General Notes	1	\$77.00		2	\$154	\$243	\$1	\$0	\$702	\$44	\$1,144
3.3.E.B - Detour Plan	1	\$77.00		2	\$154	\$243	\$1	\$0	\$968	\$44	\$1,410
3.3.F - Lighting Plan											
3.3.F.A - Lighting Analysis		\$55.40		20	\$1,108	\$1,747	\$7	\$0		\$317	\$3,179
3.3.F.B - Power/Circuit Layout & Details		\$56.00		18	\$1,008	\$1,590	\$6	\$0		\$288	\$2,892
3.3.F.C - Lighting Plan and Details	1	\$53.84		38	\$2,046	\$3,226	\$12	\$0		\$585	\$5,870
3.3.F.D - Voltage Drop Calculations	1	\$54.00		8	\$432	\$681	\$3	\$0		\$124	\$1,239
3.3.F.E - Power Service		\$53.20		10	\$532	\$839	\$3	\$0		\$152	\$1,526
3.3.G - Landscape Plan											
3.3.G.A - Landscape Plan and Details	1	\$56.75		8	\$454	\$716	\$3	\$0		\$130	\$1,302
3.3.G.B - General Notes		\$63.50		4	\$254	\$401	\$2	\$0		\$73	\$729
3.3.J - Utilities											
3.3.J.A - Utility Coordination and Documentation		\$59.50		24	\$1,428	\$2,252	\$9	\$0		\$408	\$4,097
3.3.K - Geotechnical Services											
3.3.K.A - Finalize Geotechnical Investigation and Report		\$77.00		2	\$154	\$243	\$1	\$0	\$716	\$44	\$1,158
TOTAL 3.3 - Stage2			\$55.04	365	\$20,088	\$31,677	\$121	\$0	\$16,790	\$5,745	\$74,420
3.4 - Right of Way Plans											
3.4.B - Preliminary Right of Way Plans											
3.4.B.A - Legend Sheet	1	\$51.69		13	\$672	\$1,060	\$4	\$0		\$192	\$1,928
3.4.B.B - Centerline Survey Plat	2	\$49.95		41	\$2,048	\$3,229	\$12	\$0		\$586	\$5,876
3.4.B.C - Property Map	1	\$50.52		27	\$1,364	\$2,151	\$8	\$0		\$390	\$3,913
3.4.B.D - Summary of Additional Right of Way	1	\$52.00		13	\$676	\$1,066	\$4	\$0		\$193	\$1,939
3.4.B.E - Detailed ROW Plan Sheets	5	\$48.93		151	\$7,388	\$11,650	\$44	\$0		\$2,113	\$21,195
3.4.B.G - Legal Descriptions and Closure Calculations	4	\$49.60		45	\$2,232	\$3,520	\$13	\$0		\$638	\$6,403
3.4.B.I - Field Review		\$46.00		6	\$276	\$435	\$2	\$0		\$79	\$792
3.4.C - Final Right of Way Plans											
3.4.C.A - Final Right of Way Plans		\$50.38		26	\$1,310	\$2,066	\$8	\$0		\$375	\$3,758
3.4.C.B - Field Review & Verify Property Owners		\$47.00		8	\$376	\$593	\$2	\$0		\$108	\$1,079
3.4.C.D - Set R/W Pins after acquisition		\$46.00		24	\$1,104	\$1,741	\$7	\$0		\$316	\$3,167
TOTAL 3.4 - Right of Way Plans			\$49.28	354	\$17,446	\$27,511	\$105	\$0	\$0	\$4,989	\$50,051
3.8 - Prepare Cost Estimates and Revise Milestone											
3.8.A - Roadway/Interchange Costs		\$58.60		20	\$1,172	\$1,848	\$7	\$0		\$335	\$3,362
TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone			\$58.60	20	\$1,172	\$1,848	\$7	\$0	\$0	\$335	\$3,362
3.9 - Project Management for Environmental Engineering Phase											
3.9.A - Meetings		\$68.00		9	\$612	\$965	\$4	\$0	\$218	\$175	\$1,974
3.9.B - General Oversight		\$81.89		36	\$2,948	\$4,649	\$18	\$0	\$2,705	\$843	\$11,163
TOTAL 3.9 - Project Management for Environmental Engineering Phase			\$79.11	45	\$3,560	\$5,614	\$21	\$0	\$2,923	\$1,018	\$13,136
Total - 3 Environmental Engineering Phase			\$53.91	784	\$42,266.00	\$66,649.26	\$254.48	\$0.00	\$19,713.00	\$12,087.15	\$140,969.89
4 - Final Engineering and R/W Phase											
4.2 - Stage 3 Detailed Design Plans											
4.2.A - Quantities and Notes											
4.2.A.A - Pavement Subsummary	1	\$51.38		16	\$822	\$1,296	\$5	\$0		\$235	\$2,358
4.2.A.B - Drainage Subsummary	1	\$54.75		8	\$438	\$691	\$3	\$0		\$125	\$1,257
4.2.A.C - Roadway Subsummary	1	\$51.83		24	\$1,244	\$1,962	\$7	\$0		\$356	\$3,569
4.2.A.E - Maintenance of Traffic Subsummary	1	\$77.00		2	\$154	\$243	\$1	\$0	\$1,254	\$44	\$1,696

MOT-CR165-08		PROPOSAL COST SUMMARY										Version: Sept 2021
Consultant:	Arcadis											
Agreement No.	0			State Average Overhead Rate				159.98%				
Modification No.	0			Consultant Overhead Rate:				157.69%				
PID No.	122010			Cost of Money:				0.60%				
Proposal Date	3/11/2025			Net Fee Percentage:				11%				
Task Description	No. of Units	Average Hourly Rate	Total Hours	Labor Costs	Overhead Costs	Cost of Money	Direct Costs	Subcon Costs	Net Fee	Total Cost		
4.2.A.F - Pavement Marking Subsummary	1	\$77.00	2	\$154	\$243	\$1	\$0	\$3,180	\$44	\$3,622		
4.2.A.G - Signing Subsummary	1	\$77.00	2	\$154	\$243	\$1	\$0	\$3,180	\$44	\$3,622		
4.2.A.K - Lighting Subsummary	1	\$53.18	17	\$904	\$1,426	\$5	\$0		\$259	\$2,593		
4.2.A.L - Landscape Subsummary	1	\$59.50	4	\$238	\$375	\$1	\$0		\$68	\$683		
4.2.A.M - General Summary Sheet	2	\$52.14	28	\$1,460	\$2,302	\$9	\$0		\$418	\$4,189		
4.2.A.P - General Notes	3	\$57.67	12	\$692	\$1,091	\$4	\$0		\$198	\$1,985		
4.2.A.Q - Driveway Subsummary or Driveway Details (if included on same sheet)	1	\$54.50	12	\$654	\$1,031	\$4	\$0		\$187	\$1,876		
4.2.A.R - Lighting Notes	1	\$49.57	23	\$1,140	\$1,798	\$7	\$0		\$326	\$3,271		
4.2.D - Miscellaneous												
4.2.D.B - Prepare FAA Form 7460-1 for Airway/Highway Clearance		\$54.40	10	\$544	\$858	\$3	\$0		\$156	\$1,561		
4.2.D.C - Project Site Plan	1	\$49.17	24	\$1,180	\$1,861	\$7	\$0		\$337	\$3,385		
4.2.D.G - Title Sheet	1	\$65.33	6	\$392	\$618	\$2	\$0		\$112	\$1,125		
TOTAL 4.2 - Stage 3 Detailed Design Plans		\$53.53	190	\$10,170	\$16,037	\$61	\$0	\$7,614	\$2,908	\$36,791		
4.3 - Prepare Cost Estimates and Revise Milestone												
4.3.A - Roadway/Interchange Costs		\$57.60	10	\$576	\$908	\$3	\$0		\$165	\$1,652		
TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone		\$57.60	10	\$576	\$908	\$3	\$0	\$0	\$165	\$1,652		
4.4 - Final Plan Package												
4.4.A - Submission of Final Tracings and Documentation		\$65.00	32	\$2,080	\$3,280	\$13	\$0	\$679	\$595	\$6,646		
4.4 - Final Plan Package		\$65.00	32	\$2,080	\$3,280	\$13	\$0	\$679	\$595	\$6,646		
4.5 - Project Management for Final Engineering and Right of Way Phase												
4.5.A - Meetings		\$68.00	9	\$612	\$965	\$4	\$0		\$175	\$1,756		
4.5.B - General Oversight		\$80.67	24	\$1,936	\$3,053	\$12	\$0	\$1,932	\$554	\$7,486		
TOTAL 4.5 - Project Management for Final Engineering and Right of Way Phase		\$77.21	33	\$2,548	\$4,018	\$15	\$0	\$1,932	\$729	\$9,242		
TOTAL - Final Engineering Phase		\$58.02	265	\$15,374.00	\$24,243.26	\$92.57	\$0.00	\$10,225.00	\$4,396.63	\$54,331.45		
TOTAL AUTHORIZED PARTS		\$53.05	2234	\$118,522.00	\$186,897.34	\$713.62	\$1,300.00	\$71,169.00	\$33,894.68	\$412,496.65		
IF-AUTHORIZED TASKS:												
2 - Preliminary Engineering Phase												
2.1 - Develop Preliminary Alternatives												
2.1.A - Prepare and Complete Feasibility Study Report												
2.1.A.J - Stakeholder Public Involvement		\$77.00	2	\$154	\$243	\$1	\$0	\$1,500	\$44	\$1,942		
2.7 - Stage 1 Design												
2.7.A - Roadway												
2.7.A.I - Superelevation Table	2	\$50.25	24	\$1,206	\$1,902	\$7	\$0		\$345	\$3,460		
2.7.C - Utilities												
2.7.C.B - Description or proposed water and/or sewer work		\$55.40	20	\$1,108	\$1,747	\$7	\$0		\$317	\$3,179		
2.7.C.C - Subsurface Utility Engineering (SUE) - QL-A		\$59.50	4	\$238	\$375	\$1	\$0	\$11,953	\$68	\$12,636		
2.7.C.C - Subsurface Utility Engineering (SUE) - QL-B		\$59.50	4	\$238	\$375	\$1	\$0	\$15,160	\$68	\$15,843		
2.7.H - Prepare C2 Cost Estimates and Update Milestones												
2.7.H.C - Utility Costs		\$61.67	6	\$370	\$583	\$2	\$0		\$106	\$1,061		
TOTAL - 2.7 - Stage 1 Design		\$57.47	34	\$1,954	\$3,081	\$12	\$0	\$28,613	\$559	\$34,219		
Total - 2 Preliminary Engineering Phase		\$57.47	34	\$1,954.00	\$3,081.26	\$11.77	\$0.00	\$28,613.00	\$558.80	\$34,218.83		
3 - Environmental Engineering Phase												
3.3 - Stage2												
3.3.G - Landscape Plan												
3.3.G.A - Landscape Plan and Details		\$58.50	12	\$702	\$1,107	\$4	\$0		\$201	\$2,014		
3.3.G.B - General Notes		\$63.50	4	\$254	\$401	\$2	\$0		\$73	\$729		
3.3.J - Utilities												
3.3.J.B - Water Works Plan		\$61.67	60	\$3,700	\$5,835	\$22	\$0		\$1,058	\$10,615		
3.3.J.C - Water Works Details & Notes		\$63.50	16	\$1,016	\$1,602	\$6	\$0		\$291	\$2,915		
3.3.J.D - Sanitary Sewer Plans		\$60.33	24	\$1,448	\$2,283	\$9	\$0		\$414	\$4,154		
TOTAL 3.3 - Stage2		\$61.38	116	\$7,120	\$11,228	\$43	\$0	\$0	\$2,036	\$20,427		
3.8 - Prepare Cost Estimates and Revise Milestone												
3.8.C - Utility Costs		\$68.00	6	\$408	\$643	\$2	\$0		\$117	\$1,171		
TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone		\$68.00	6	\$408	\$643	\$2	\$0	\$0	\$117	\$1,171		
Total - 3 Environmental Engineering Phase		\$61.70	122	\$7,528.00	\$11,870.90	\$45.33	\$0.00	\$0.00	\$2,152.84	\$21,597.07		

MOT-CR165-08		PROPOSAL COST SUMMARY									Version: Sept 2021
Consultant:	Arcadis										
Agreement No.	0			State Average Overhead Rate		159.98%					
Modification No.	0			Consultant Overhead Rate:		157.69%					
PID No.	122010			Cost of Money:		0.60%					
Proposal Date	3/11/2025			Net Fee Percentage:		11%					
		No. of Units	Average Hourly Rate	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Description				Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
4 - Final Engineering and R/W Phase											
4.6 - Pre-Bid Activities											
4.6.A - Pre-Bid Questions											
		\$72.25	40	\$2,890	\$4,557	\$17	\$0			\$826	\$8,291
TOTAL 4.6 - Pre-Bid Activities		\$72.25	40	\$2,890	\$4,557	\$17	\$0	\$0		\$826	\$8,291
TOTAL - Final Engineering Phase		\$72.25	40	\$2,890.00	\$4,557.24	\$17.40	\$0.00	\$0.00		\$826.48	\$8,291.12
TOTAL IF-AUTHORIZED PARTS											
		\$63.12	196	\$12,372.00	\$19,509.41	\$74.49	\$0.00	\$28,613.00		\$3,538.12	\$64,107.02
GRAND TOTAL		\$53.87	2430	\$130,894.00	\$206,406.75	\$788.11	\$1,300.00	\$99,782.00		\$37,432.80	\$476,603.67

MOT-CR165-08.71		Consultant	ODOT	LPA	If-Authorized	Narrative
Consultant:	Arcadis					
Agreement No.	0					
Modification No.	0					
PID No.	122010					
Proposal Date	3/11/2025					
Task Description						
AUTHORIZED TASKS:						
1 - Planning Phase						
1.3 - Existing Data, Research and Analysis						
1.3.C - Traffic Counts						
	1.3.H - Develop Purpose & Need	X				MCTID will provide Arcadis with the Purpose & Need to provide in the Feasibility Study.
2 - Preliminary Engineering Phase						
2.1 - Develop Preliminary Alternatives						
2.1.A - Prepare and Complete Feasibility Study Report						
	2.1.A.B - Certified Traffic Feasible (Build) Alternative(s)	X				Arcadis will use the TMC data from the 2024 Safety Study to develop AM and PM peak hour Certified Traffic using the NCHRP Spreadsheets. Certified Traffic will be developed for Open Year and Design Year
	2.1.A.C - Capacity Analysis Feasible (Build) Alternative(s)	X				Arcadis will use the Open Year and Design Year AM and PM peak hour Certified Traffic to model the existing 4-way stop and the proposed roundabout in HCS. A traffic signal will not be modeled because the intersection did not satisfy a traffic signal warrant.
	2.1.A.D - Safety Analysis for Feasible (Build) Alternative(s)	X				Arcadis will review the 2024 Safety Study and use the information to populate the safety section of the Feasibility Study. The Crash Diagram, CAM Tool, and ECAT from the 2024 Safety Study will be used for the Feasibility Study.
	2.1.A.E - Field Survey and Aerial Mapping - Planning Level	X				Arcadis will access aerial maps and Lidar data for preliminary design purposes.
	2.1.A.G - Preliminary Alignment and Profile	X				Arcadis will develop preliminary alignments and a Roundabout Geometrics Package. Geometrics Package to include Truck Turns, Fastest Paths, and Sight Distance Verification. This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	2.1.A.J - Stakeholder Public Involvement	X				This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Rasor.
	2.1.A.K - Prepare Feasibility Study	X				Arcadis will prepare a Feasibility Study package that addresses project impacts and key design decisions. This includes R/W impacts, utility impacts, constructability, conceptual MOT, project costs at a preliminary level, traffic considerations, and environmental considerations. ODOT will provide the environmental write-up for the FS. This package will modify the existing work prepared by MCTID and include a report, cost estimate and up to 3 exhibits. It is assumed a signal is not warranted and no geometric layout of alternatives, other than a single lane roundabout, will be included.
2.3 - AER Design						
2.3.A - Field Survey and Aerial Mapping						
2.3.A.A - Project Control, Benchmarks, and Reference Points						
	2.3.A.A.2 - Type "B" Monument Specified	X				Arcadis will set horizontal control points and benchmarks as needed and where possible.
	2.3.A.B.1 - Existing Centerline and R/W	X				Locate centerline monuments and property corner monumentation
2.3.A.C - Base Mapping (incl. field verify.)						
	2.3.A.C.2 - Topographic Survey	X				Topographic mapping in OpenRoads Designer, 1000' in each direction from the intersection, including sewers and other evident underground utilities from located features and utility company provided records
	2.3.A.F - Establish property lines, tax id, & ownerships on base map	X				Establish centerline of RW of Old Springfield Road & Frederick Pike, and approximately 34 parcels
2.3.F - Maintenance of Traffic						
2.3.F.B - MOT						
	2.3.F.B.2 - MOT - Conceptual MOT Plan	X				This task is to take a high level evaluation of MOT concepts to include in the Feasibility Study. There will be a narrative included in the FS, but no exhibits.
2.7 - Stage 1 Design						
2.7.A - Roadway						
	2.7.A.A - Title Sheet	X				Arcadis will provide 1 Title sheet for the Plans.
	2.7.A.B - Schematic Plan	X				Arcadis will provide 1 Schematic sheet for the overall project limits.
	2.7.A.C - Roundabout Geometric Layout	X				Arcadis will provide roundabout reference alignment geometry and data. Arcadis anticipates 2 sheets will be needed.
	2.7.A.C - General Notes	X				Arcadis will provide one General Notes sheet for stage 1 that includes utility note/ contacts only.

					Two existing and ten proposed typical sections are estimated. Proposed separate sections will be shown for curbed/ shoulder areas and splitter island areas for each approach. Interior roundabout typical sections with misc. details will also be included.
	2.7.A.D - Typical Sections	X			
					Arcadis will develop a model using Open Roads Designer. Cross sections will be generated at 50' intervals along each leg, at key stations, and will be provided for reference information only through the roundabout circle. Drive profiles will be provided in the cross sections.
	2.7.A.E - Cross Sections	X			
					A total of 9 sheets are anticipated for this task. This includes 5 plan and profile sheets at an anticipated scale of (1"=20'); a sheet displaying the center circle of the roundabout (1) and a sheet for each leg of the roundabout (4). The plan and profile views along each leg of the roundabout will extend slightly beyond the proposed pavement limits to show existing topographic features. Arcadis will also provide sheets for the roundabout reference line profiles. There will be 9 roundabout reference line profiles and Arcadis anticipates 4 sheets will be needed to display these.
	2.7.A.F - Plan and Profile - Mainline	X			
					Arcadis estimates that 5 intersection pavement elevation detail sheets will be required, covering the roundabout and splitter island approaches. Pavement elevations will not be included. This task also includes the splitter island details, with an estimated 2 sheets dedicated to detailing the horizontal geometry of the splitter islands.
	2.7.A.J - Intersection Details	X			
					Arcadis will provide Driveway Details for driveways impacted by the project. Arcadis anticipates 13 driveways will be impacted.
	2.7.A.L - Driveway Details	X			
					This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	2.7.A.N - Traffic Control	X			
2.7.B - Drainage					
					Storm sewer profiles will be shown on storm sewer profile sheets when not shown on the cross sections. Detailed drainage information will be shown on the storm sewer profiles.
	2.7.B.A - Storm Sewer Profiles	X			
					Arcadis will perform drainage calculations per ODOT L&D Vol. 2. A brief summary of the proposed drainage along with the drainage calculations will be provided.
	2.7.B.D - Drainage Calculations	X			
	2.7.B.D.2 - Ditches	X			
	2.7.B.D.3 - Storm Sewer	X			
					Arcadis will develop BMPs per ODOT L&D Vol.2. Arcadis anticipates the use of Vegetated Filter Strips and Vegetated Biofilters.
	2.7.B.E - BMP Design	X			
2.7.C - Utilities					
					Arcadis will notify and document coordination with any utilities that may potentially be impacted by the Project.
	2.7.C.A - Utility Coordination and Documentation	X			
					Arcadis will incorporate and label any known utilities into the project plans.
	2.7.C.D - Add Utilities to Plan/Profile Sheets	X			
2.7.D - Geotechnical Services					
					This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Terracon.
	2.7.D.A - Geotechnical Services and Report	X			
2.7.G - Miscellaneous					
					The project is within the vicinity of the Dayton Airport. Arcadis will perform an Airway clearance analysis.
	2.7.G.A - Perform Airway/Highway clearance analysis	X			
2.7.H - Prepare C2 Cost Estimates and Update Milestones					
					Arcadis will provide a construction cost estimate. This task includes coordination between Arcadis and the sub consultant.
	2.7.H.A - Roadway/Interchange Costs	X			
2.7.J - Maintenance of Traffic					
					For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	2.7.J.A - Detour Plan	X			
2.8 - Project Management for Preliminary Engineering Phase					
					Arcadis proposes 3 meetings, each an hour long, for the duration of the phase and anticipates 3 members of the Arcadis team in attendance. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	2.8.A - Meetings	X			
					This task assumes 2 months of Oversight at 20 hours/month. This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	2.8.B - General Oversight	X			
					This task assumes 10 hours for Project Set Up responsibilities. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	2.8.C - Project Set Up	X			
3 - Environmental Engineering Phase					
3.3 - Stage2					
3.3.A - Roadway					
					Arcadis will progress the Title sheet based on any updates and/or comments received.
	3.3.A.A - Title Sheet	X			
					Arcadis will progress the Schematic sheet based on any updates and/or comments received.
	3.3.A.B - Schematic	X			
					Arcadis will progress roundabout reference alignment geometry and data based on any updates and/or comments received.
	3.3.A.C - Roundabout Geometric Layout	X			

	3.3.A.C - General Notes	X			Arcadis will progress the General Notes based on any updates and/or comments received. Arcadis will provide additional notes, for a total of 3 General Notes sheets.
	3.3.A.D - Typical Sections	X			Arcadis will progress the Typical Sections based on any updates and/or comments received.
	3.3.A.E- Plan and Profile - Mainline	X			This task includes Mainline and Crossroads. Arcadis will provide Plan and Profile Sheets and reference alignment profiles based on any updates and/or comments received.
	3.3.A.H - Cross Sections	X			Arcadis will refine and incorporate further detail into the 3D model and Cross Section Sheets.
	3.3.A.I - Intersection Details	X			This task includes the incorporation of final detailing and pavement elevations into the five intersection detail sheets covering the roundabout and splitter island approaches, as required.
3.3.B - Drainage					
	3.3.B.A - Storm Sewer Profiles	X			Arcadis will progress Storm Sewer profiles based on any updates and/or comments received.
	3.3.B.D - Underdrain details	X			Arcadis will provide underdrain details to Plan and Profile Sheets.
	3.3.B.E - BMP Details	X			Arcadis will refine BMPs based on any updates and/or comments received.
3.3.C - Traffic Control					
	3.3.C.A - Pavement Marking Plan	X			This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	3.3.C.B - Signing Plan	X			This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
3.3.E - Maintenance of Traffic					
	3.3.E.A - MOT General Notes	X			This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	3.3.E.B - Detour Plan	X			For sub consultant costs associated with this task please see proposal by Kimley-Horn.
3.3.F - Lighting Plan					
	3.3.F.A - Lighting Analysis	X			Arcadis will provide Lighting at the Roundabout.
	3.3.F.B - Power/Circuit Layout & Details	X			Arcadis will provide circuit information.
	3.3.F.C - Lighting Plan and Details	X			Arcadis will provide 1 Sheet for Lighting Plan and Details.
	3.3.F.D - Voltage Drop Calculations	X			Arcadis will provide 1 Sheet for Voltage Drop Calculations. Arcadis anticipates 2 circuits will be needed.
	3.3.F.E - Power Service	X			Arcadis will identify a power source for the Lighting provided.
3.3.G - Landscape Plan					
	3.3.G.A - Landscape Plan and Details	X			Arcadis will provide a Landscaping Plan for the center of the roundabout. Any landscaping details will be included on the plan sheet. Arcadis anticipates only 1 Sheet will be needed and that Landscaping will be simplistic.
	3.3.G.B - General Notes	X			Arcadis will provide Landscaping general notes on the Landscaping Plan and Details Sheet.
3.3.J - Utilities					
	3.3.J.A - Utility Coordination and Documentation	X			Arcadis will continue ongoing coordination with any utilities that may potentially be impacted by the Project.
3.3.K - Geotechnical Services					
	3.3.K.A - Finalize Geotechnical Investigation and Report	X			This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Terracon.
3.4 - Right of Way Plans					
3.4.B - Preliminary Right of Way Plans					
	3.4.B.A - Legend Sheet	X			Arcadis will provide 1 Legend Sheet.
	3.4.B.B - Centerline Survey Plat	X			Arcadis will provide Centerline Plat and anticipates 2 Sheets will be needed to provide the centerline and associated information.
	3.4.B.C - Property Map	X			Arcadis will provide 1 Property Map Sheet.
	3.4.B.D - Summary of Additional Right of Way	X			Arcadis will provide 1 Summary Sheet, this assumes 6 property owners to be listed.
	3.4.B.E - Detailed ROW Plan Sheets	X			Arcadis will provide detailed ROW plan sheets and anticipates 5 sheets will be needed.
	3.4.B.G - Legal Descriptions and Closure Calculations	X			Legal descriptions and closures will be provided using ODOT LPA RX - 11. Arcadis anticipates 4 permanent and 7 temporary takes.
	3.4.B.I - Field Review	X			Arcadis will perform a field review before ahead of the preliminary R/W submittal.
3.4.C - Final Right of Way Plans					
	3.4.C.A - Final Right of Way Plans	X			Arcadis will prepare a final R/W plan set.
	3.4.C.B - Field Review & Verify Property Owners	X			Arcadis will perform a field review before ahead of the R/W Tracings submittal.
	3.4.C.D - Set R/W Pins after acquisition	X			R/W pins will be set after construction is complete. Arcadis assumes 26 pins to be set.
3.8 - Prepare Cost Estimates and Revise Milestone					
	3.8.A - Roadway/Interchange Costs	X			Arcadis will refine the constrution cost estimate based on any plan updates and/or comments received.
3.9 - Project Management for Environmental Engineering Phase					

	3.9.A - Meetings	X			Arcadis proposes 3 meetings, each an hour long, for the duration of the phase and anticipates 3 members of the Arcadis team in attendance. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	3.9.B - General Oversight	X			This task assumes 4 months of Oversight at 20 hours/month. This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
4 - Final Engineering and R/W Phase					
4.2 - Stage 3 Detailed Design Plans					
4.2.A - Quantities and Notes					
	4.2.A.A - Pavement Subsummary	X			Arcadis will provide a pavement subsummary and anticipates 1 sheet will be needed.
	4.2.A.B - Drainage Subsummary	X			Arcadis will provide a drainage subsummary and anticipates 1 sheet will be needed.
	4.2.A.C - Roadway Subsummary	X			Arcadis will provide a roadway subsummary and anticipates 1 sheet will be needed.
	4.2.A.E - Maintenance of Traffic Subsummary	X			This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	4.2.A.F - Pavement Marking Subsummary	X			This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	4.2.A.G - Signing Subsummary	X			This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
	4.2.A.K - Lighting Subsummary	X			Arcadis will provide a lighting subsummary and anticipates 1 sheet will be needed.
	4.2.A.L - Landscape Subsummary	X			Arcadis will provide a landscape subsummary, to be included on the Landscaping Plan Sheet.
	4.2.A.M - General Summary Sheet	X			Arcadis will provide a general summary and anticipates 2 sheets will be needed.
	4.2.A.P - General Notes	X			Arcadis will progress the General Notes based on any updates and/or comments received.
	4.2.A.Q - Driveway Subsummary or Driveway Details (if included on same sheet)	X			Arcadis will provide a Driveway subsummary and anticipates 1 sheet will be needed.
	4.2.A.R - Lighting Notes	X			Arcadis will provide Lighting Notes. Arcadis anticipates 1 sheet will be needed.
4.2.D - Miscellaneous					
	4.2.D.B - Prepare FAA Form 7460-1 for Airway/Highway Clearance	X			The project is within the Vicinity of the Dayton Airport. Arcadis will prepare the appropriate FAA form.
	4.2.D.C - Project Site Plan	X			Arcadis will provide 1 sheet for a Project Site Plan as per ODOT L&D Vol.1.
	4.2.D.G - Title Sheet	X			Arcadis will progress the Title sheet based on any updates and/or comments received.
4.2.E - Lighting Plans					
4.3 - Prepare Cost Estimates and Revise Milestone					
	4.3.A - Roadway/Interchange Costs	X			Arcadis will further refine the construction cost estimate based on any plan updates and/or comments received.
4.4 - Final Plan Package					
	4.4.A - Submission of Final Tracings and Documentation	X			Arcadis will produce a final tracing submittal package that will include, but is not limited to, final construction plans and CAD files. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
4.5 - Project Management for Final Engineering and Right of Way Phase					
	4.5.A - Meetings	X			Arcadis proposes a 1 hour meeting every other week for the duration of the phase and anticipates 3 members of the Arcadis team in attendance.
	4.5.B - General Oversight	X			This task assumes 4 months of Oversight at 12 hours/month. This task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Kimley-Horn.
IF-AUTHORIZED TASKS:					
2 - Preliminary Engineering Phase					
2.1 - Develop Preliminary Alternatives					
2.1.A - Prepare and Complete Feasibility Study Report					
	2.1.A.J - Stakeholder Public Involvement			X	If authorized, this task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by Rasor.
2.7 - Stage 1 Design					
	2.7.A.1 - Superelevation Table			X	If authorized, Arcadis will provide superelevation tables for the approaches. Arcadis anticipates 2 approaches will require superelevation due to the high speed approaches entering the roundabout.
2.7.C - Utilities					
	2.7.C.B - Description of proposed water and/or sewer work			X	If authorized, Arcadis will incorporate The City of Union water and sewer improvements in the Project plans.
	2.7.C.C - Subsurface Utility Engineering (SUE) - QL-A			X	If authorized, this task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by SAM.
	2.7.C.C - Subsurface Utility Engineering (SUE) - QL-B			X	If authorized, this task includes coordination between Arcadis and the sub consultant. For sub consultant costs associated with this task please see proposal by SAM.

2.7.H - Prepare C2 Cost Estimates and Update Milestones						
	2.7.H.C - Utility Costs				X	If authorized, Arcadis will provide a construction cost estimate for water and sewer improvements.
3 - Environmental Engineering Phase						
3.3 - Stage2						
3.3.G - Landscape Plan						
	3.3.G.A - Landscape Plan and Details				X	If authorized, Arcadis will provide a Landscaping Plan with a medium level of complexity if desired. This includes a Plan for the center of the roundabout and/or splitter islands, as well as any landscaping details. Arcadis will provide up 2 sheets.
	3.3.G.B - General Notes				X	If authorized, Arcadis will provide Landscaping general notes that are a medium level of complexity that encompass the center of the roundabout and/or splitter islands. Arcadis will provide up to 1 Sheet.
3.3.J - Utilities						
	3.3.J.B - Water Works Plan				X	If authorized, Arcadis will incorporate Water works Plan Sheets to encompass The City of Union utility improvements.
	3.3.J.C - Water Works Details & Notes				X	If authorized, Arcadis will incorporate a Water works Details & Notes Sheet to encompass The City of Union utility improvements.
	3.3.J.D - Sanitary Sewer Plans				X	If authorized, Arcadis will incorporate Sanitary Sewer Plan Sheets to encompass The City of Union utility improvements.
3.8 - Prepare Cost Estimates and Revise Milestone						
	3.8.C - Utility Costs				X	If authorized, Arcadis will refine the construction cost estimate for water and sewer improvements.
4 - Final Engineering and R/W Phase						
4.6 - Pre-Bid Activities						
	4.6.A - Pre-Bid Questions				X	If Authorized, Arcadis will assist in answering Pre-Bid questions recieved.



February 19, 2025

Brian K. Moore, PE
Arcadis U.S., Inc.
7575 Huntington Park Drive, Suite 130
Columbus, OH 43235

RE: *Professional Services for MOT-CR165-08.71, PID 120010: Frederik/Old Springfield Roundabout*

Dear Mr. Moore,

Kimley-Horn is pleased to submit this proposal to provide professional consulting services for the Frederik/Old Springfield Roundabout project. Enclosed are the detailed scope of services and the associated fees.

Scope of Services:

Kimley-Horn will provide the services specifically set forth below in *Tasks 1-3*.

TASK 1 – PRELIMINARY ENGINEERING PHASE

Task 1.1 – Roundabout Peer Review (2.1)

Task 1.1.A – Preliminary Roundabout Peer Review

Kimley Horn will perform a preliminary geometric review of the roundabout based on the preliminary linework prepared by Arcadis. The geometric review will focus on overall roundabout design in conformance with roundabout design standards. Comments will be provided in PDF format on the provided layout. No alternate geometry will be designed as part of this task and only recommended improvements will be stated. Meetings associated with this task have been assumed to include a kickoff meeting with Arcadis to understand the current design and project constraints and a follow up meeting with Arcadis to discuss the findings of the initial peer review. Meeting hours have been provided in the separate meetings task below.

Task 1.2 – Stage 1 Design (2.7)

Task 1.2.A - Traffic Control Plan

Kimley Horn will develop Stage 1 preliminary pavement marking plans. Plans will be submitted in PDF format and will be completed to the standard level of completion for an ODOT Stage 1 plan set. Kimely-Horn has assumed that one (1) meeting with Arcadis will be needed as we develop these plans to align our plans production efforts into the overall project plan set.

Task 1.2.B – Maintenance of Traffic – Detour Plan

Kimley-Horn will prepare a detour plan for the proposed improvements. The detour plan will be submitted in PDF format and will be completed to the standard level of completion for an ODOT Stage 1 plan set.

Task 1.3 – Project Management for Preliminary Engineering Phase (2.8)

Task 1.3.A – Meetings

Kimley-Horn will attend several design meetings with Arcadis during the Preliminary Engineering Phase. All meetings have assumed to include 2 Kimley-Horn staff members for 0.5 hour each including meeting preparation and attendance. Kimley-Horn has assumed that attendance will be required at the following meetings described in the previous tasks.

- Preliminary Roundabout Peer Review Kickoff (1)
- Preliminary Roundabout Peer Review Findings (1)
- Stage 1 Design Meetings (1)

Task 1.3.B – General Oversight

Kimley-Horn will provide general oversight for the design tasks listed above during the preliminary design phase of this project. Hours will include monthly invoicing, schedule updates, and general project management services.

Task 1.3.C – Project Set Up

Kimley-Horn will provide services to set the project up in our internal systems to be able to track scope, schedule, budget, and invoicing throughout the project duration.

TASK 2 – ENVIRONMENTAL ENGINEERING PHASE

Kimley-Horn will update the plans and materials provided at Stage 1 based on comments received from the Client and Arcadis. Kimley-Horn will prepare a disposition of comments and will advance the design and plans to a Stage 2 level of completion. Stage 2 plans and supporting materials will be submitted to Arcadis for inclusion into the overall project Stage 2 submittal.

Task 2.1 – Stage 2 Design (3.3)

Task 2.1.A – Traffic Control

Kimley-Horn will address Stage 1 traffic control review comments, develop the Stage 2 pavement marking plan in accordance with Traffic Engineering Manual (TEM), Sections 340 & 341 and develop the Stage 2 signing plan in accordance with TEM, Section 240.

Task 2.1.B – Maintenance of Traffic - Detour and Notes

Kimley-Horn will address Stage 1 maintenance of traffic review comments, finalize the detour map, and prepare all maintenance of traffic notes, including the sequence of construction.

Task 2.2 –Project Management for Environmental Engineering Phase (3.9)

Task 2.2.A – Meetings

Kimley-Horn will attend several design meetings with Arcadis during the Environmental Engineering Phase. All meetings have assumed to include 2 Kimley-Horn staff members for 0.5 hour each including meeting preparation and attendance. Kimley-Horn will attend up to one (1) meeting during the Environmental Engineering Phase of this project.

Task 2.2.B – General Oversight

Kimley-Horn will provide general oversight for the design tasks listed above during the preliminary design phase of this project. Hours will include monthly invoicing, schedule updates, and general project management services. Kimley-Horn has assumed that the Environmental Engineering Phase duration will be seven (7) months.

TASK 3 – FINAL ENGINEERING PHASE

Kimley-Horn will update the plans and materials provided at Stage 2 based on comments received from the Client and Arcadis. Kimley-Horn will prepare a disposition of comments and will advance the design and plans to a Stage 3 level of completion. Stage 3 plans and supporting materials will be submitted to Arcadis for inclusion into the overall project Stage 3 submittal.

Kimley-Horn will prepare one (1) round of revisions based on comments received on the Stage 3 plans and will incorporate the changes into the Final Tracings deliverable to be submitted to Arcadis.

Task 3.1 – Stage 3 Detailed Design Plans (4.2)

Kimley Horn will prepare subsummary tabulations to reflect the revised Stage 3 plan view for the Maintenance of Traffic, Pavement Markings, and Signing portions of the design. PDF of revised Stage 3 plan sheets, including subsummary tables, will be provided to Arcadis along with a disposition of comments from Stage 2.

Task 3.2 – Final Plan Package (4.4)

Kimley Horn will submit final tracings and documentation to Arcadis in accordance with Section 1400 and 1500 of L&D Manual, Volume 3.

Task 3.3 – Project Management for Final Engineering Phase (4.5)

Task 3.3.A – General Oversight

Kimley-Horn will provide general oversight for the design tasks listed above during the preliminary design phase of this project. Hours will include monthly invoicing, schedule updates, and general project management services. Kimley-Horn has assumed that the Final Engineering Phase duration will be five (5) months.

Assumptions / Exclusions

Kimley-Horn has made the following assumptions or exclusions in the development of our Scope of Services for *Tasks 1-3*.

- Kimley-Horn has assumed that no traffic analysis will be reviewed.



- MOT plans have been assumed to include a full closure with a designated detour route. If maintaining traffic using detailed phasing plans, additional MOT phasing plans can be developed if authorized for an additional fee.
- *Task 2.1.B* assumes up to four (4) maintenance of traffic standard notes.
- *Task 2.1.B* does not include custom/specialized maintaining traffic notes.
- Maintaining traffic typical sections can be developed if authorized for an additional fee.

Kimley-Horn estimates the final plans will include the following plan sheets:

<u>Description</u>	<u>Sheets</u>
Maintenance of Traffic Notes	1
Detour Plan	2
Signing and Pavement Marking Subsummary	1
Signing and Pavement Marking Plan	5
Total Anticipated Sheets	<u>9</u>

Services Not Included:

The following services are not included in this agreement:

- Traffic analysis or studies
- Roundabout reviews during Stage 1 – 3 plans
- Bidding Services
- Construction Phases Services
- Maintenance of Traffic alternative analysis
 - Detour Route is assumed to be the MOT method

Fees and Billing:

Kimley-Horn will perform the authorized services as described in the scope of services and itemized below for the cost-plus fixed fee of *forty-eight thousand seven hundred fifty-five dollars (\$48,755)*.

Task	Task Description	Fee	
1	Preliminary Engineering Phase	\$19,535	Authorized
2	Environmental Engineering Phase	\$18,996	Authorized
3	Final Engineering Phase	\$10,224	Authorized
	Total Authorized:	\$48,755	

Sincerely,

Greg Kufahl, PE
Project Manager



C-R-S		PROPOSAL LABOR SUMMARY										Version: Sept 2021	
MOT-CR165-08.71													
Consultant: Kimley-Horn													
Agreement No.													
Modification No.													
PID No.													
Proposal Date 2/19/2025													
		No. of Units	Project Executive	Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Senior Technician	Admin	Insert Labor Category Name	Total		
Task Description			\$103.00	\$75.00	\$59.00	\$44.00	\$38.00	\$50.00	\$44.00	\$0.00	Hours	Cost	
AUTHORIZED TASKS:													
2 - Preliminary Engineering Phase													
2.1 - Develop Preliminary Alternatives													
2.1.A - Prepare and Complete Feasibility Study Report													
2.1.A.G - Preliminary Alignment and Profile													
TOTAL 2.1 - Develop Preliminary Alternatives													
2.3 - AER Design													
2.3.F.B - MOT													
2.3.F.B.1 - MOT - Report													
2.3.F.B.2 - MOT - Conceptual MOT Plan													
2.3.F.B.3 - MOT - Construction Cost													
2.3.F.B.4 - MOT - Construction Schedule/Duration													
2.3.F.B.5 - MOT - Detour Route Investigation													
TOTAL 2.3 - AER Design													
2.7 - Stage 1 Design													
2.7.A - Roadway													
2.7.A.P - Traffic Control													
2.7.H - Prepare C2 Cost Estimates and Update Milestones													
2.7.H.A - Roadway Interchange Costs													
2.7.J - Maintenance of Traffic													
2.7.J.A - Detour Plan													
TOTAL - 2.7 - Stage 1 Design													
2.8 - Project Management for Preliminary Engineering Phase													
2.8.A - Meetings													
2.8.B - General Oversight													
2.8.C - Project Set Up													
TOTAL 2.8 - Project Management for Preliminary Engineering Phase													
Total - 2 Preliminary Engineering Phase													
3 - Environmental Engineering Phase													
3.3 - Stage2													
3.3.C - Traffic Control													
3.3.C.A - Pavement Marking Plan													
3.3.C.B - Signing Plan													
3.3.E - Maintenance of Traffic													
3.3.E.A - MOT General Notes													
3.3.E.B - Detour Plan													
3.3.E.C - Pedestrian/Bike Lane Detour - Plan Sheet													
TOTAL 3.3 - Stage2													
3.8 - Prepare Cost Estimates and Revise Milestone													
3.8.A - Roadway Interchange Costs													
TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone													
3.9 - Project Management for Environmental Engineering Phase													
3.9.A - Meetings													
3.9.B - General Oversight													
TOTAL 3.9 - Project Management for Environmental Engineering Phase													
Total - 3 Environmental Engineering Phase													
4 - Final Engineering and R/W Phase													
4.2 - Stage 3 Detailed Design Plans													
4.2.A - Quantities and Notes													
4.2.A.E - Maintenance of Traffic Subsummary													
4.2.A.F - Pavement Marking Subsummary													
4.2.A.G - Signing Subsummary													
TOTAL 4.2 - Stage 3 Detailed Design Plans													
4.3 - Prepare Cost Estimates and Revise Milestone													
4.3.A - Roadway Interchange Costs													
TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone													
4.4 - Final Plan Package													
4.4.A - Submission of Final Tracings and Documentation													
4.4 - Final Plan Package													
4.5 - Project Management for Final Engineering and Right of Way Phase													
4.5.A - Meetings													
4.5.B - General Oversight													
TOTAL 4.5 - Project Management for Final Engineering and Right of Way Phase													
TOTAL - Final Engineering Phase													
TOTAL AUTHORIZED PARTS													
IF-AUTHORIZED TASKS:													
TOTAL IF-AUTHORIZED PARTS													
GRAND TOTAL													



C-R-S		MOT-CR165-08.71		PROPOSAL COST SUMMARY							Version: Sept 2021
Consultant:	Kimley-Horn										
Agreement No.	0			State Average Overhead Rate	156.68%						
Modification No.	0			Consultant Overhead Rate:	195.57%						
PID No.	0			Cost of Money:	0.97%						
Proposal Date	2/19/2025			Net Fee Percentage:	11%						
	No. of Units	Average Hourly Rate	Total Hours	Labor Costs	Overhead Costs	Cost of Money	Direct Costs	Subcon Costs	Net Fee	Total Cost	
Task Description											
AUTHORIZED TASKS:											
2 - Preliminary Engineering Phase											
2.1 - Develop Preliminary Alternatives											
2.1.A - Prepare and Complete Feasibility Study Report											
2.1.A.G - Preliminary Alignment and Profile											
	0	\$75.31	26	\$1,958	\$3,829	\$19	\$0	\$0	\$553	\$6,359	
TOTAL 2.1 - Develop Preliminary Alternatives											
		\$75.31	26	\$1,958	\$3,829	\$19	\$0	\$0	\$553	\$6,359	
2.3 - AER Design											
2.3.F.B - MOT											
2.3.F.B.1 - MOT - Report											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.3.F.B.2 - MOT - Conceptual MOT Plan											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.3.F.B.3 - MOT - Construction Cost											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.3.F.B.4 - MOT - Construction Schedule/Duration											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.3.F.B.5 - MOT - Detour Route Investigation											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL 2.3 - AER Design											
			0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.7 - Stage 1 Design											
2.7.A - Roadway											
2.7.A.P - Traffic Control											
	5	\$44.40	42	\$1,865	\$3,647	\$18	\$0	\$0	\$527	\$6,057	
2.7.H - Prepare C2 Cost Estimates and Update Milestones											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.7.H.A - Roadway/Interchange Costs											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.7.J - Maintenance of Traffic											
	1	\$46.75	16	\$748	\$1,463	\$7	\$0	\$0	\$211	\$2,429	
2.7.J.A - Detour Plan											
TOTAL - 2.7 - Stage 1 Design											
		\$45.05	58	\$2,613	\$5,110	\$25	\$0	\$0	\$738	\$8,486	
2.8 - Project Management for Preliminary Engineering Phase											
2.8.A - Meetings											
	0	\$89.00	3	\$267	\$522	\$3	\$0	\$0	\$75	\$867	
2.8.B - General Oversight											
	0	\$64.67	9	\$582	\$1,138	\$6	\$0	\$0	\$164	\$1,890	
2.8.C - Project Set Up											
	0	\$59.50	10	\$595	\$1,164	\$6	\$0	\$0	\$168	\$1,932	
TOTAL 2.8 - Project Management for Preliminary Engineering Phase											
		\$65.64	22	\$1,444	\$2,824	\$14	\$0	\$0	\$408	\$4,690	
Total - 2 Preliminary Engineering Phase											
		\$56.75	106	\$6,015	\$11,764	\$58	\$0	\$0	\$1,698	\$19,535	
3 - Environmental Engineering Phase											
3.3 - Stage2											
3.3.C - Traffic Control											
3.3.C.A - Pavement Marking Plan											
	5	\$46.60	47	\$2,190	\$4,283	\$21	\$0	\$0	\$618	\$7,113	
3.3.C.B - Signing Plan											
	0	\$43.17	52	\$2,245	\$4,391	\$22	\$0	\$0	\$634	\$7,291	
3.3.E - Maintenance of Traffic											
3.3.E.A - MOT General Notes											
	1	\$54.00	4	\$216	\$422	\$2	\$0	\$0	\$61	\$702	
3.3.E.B - Detour Plan											
	1	\$49.67	6	\$298	\$583	\$3	\$0	\$0	\$84	\$968	
3.3.E.C - Pedestrian/Bike Lane Detour - Plan Sheet											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL 3.3 - Stage2											
		\$45.40	109	\$4,949	\$9,679	\$48	\$0	\$0	\$1,397	\$16,073	
3.8 - Prepare Cost Estimates and Revise Milestone											
3.8.A - Roadway/Interchange Costs											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone											
			0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.9 - Project Management for Environmental Engineering Phase											
3.9.A - Meetings											
	0	\$87.00	1	\$87	\$131	\$1	\$0	\$0	\$19	\$218	
3.9.B - General Oversight											
	0	\$59.50	14	\$833	\$1,629	\$8	\$0	\$0	\$235	\$2,705	
TOTAL 3.9 - Project Management for Environmental Engineering Phase											
		\$80.00	15	\$900	\$1,760	\$9	\$0	\$0	\$254	\$2,923	
Total - 3 Environmental Engineering Phase											
		\$47.17	124	\$5,849	\$11,439	\$57	\$0	\$0	\$1,651	\$18,996	
4 - Final Engineering and RW Phase											
4.2 - Stage 3 Detailed Design Plans											
4.2.A - Quantities and Notes											
4.2.A.E - Maintenance of Traffic Subsummary											
	1	\$48.25	8	\$386	\$755	\$4	\$0	\$0	\$109	\$1,254	
4.2.A.F - Pavement Marking Subsummary											
	1	\$46.62	21	\$979	\$1,915	\$9	\$0	\$0	\$276	\$3,180	
4.2.A.G - Signing Subsummary											
	1	\$46.62	21	\$979	\$1,915	\$9	\$0	\$0	\$276	\$3,180	
TOTAL 4.2 - Stage 3 Detailed Design Plans											
		\$46.88	50	\$2,344	\$4,584	\$23	\$0	\$0	\$662	\$7,619	
4.3 - Prepare Cost Estimates and Revise Milestone											
4.3.A - Roadway/Interchange Costs											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone											
			0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4.4 - Final Plan Package											
4.4.A - Submission of Final Tracings and Documentation											
	0	\$69.67	3	\$209	\$409	\$2	\$0	\$0	\$59	\$679	
4.4 - Final Plan Package											
		\$69.67	3	\$209	\$409	\$2	\$0	\$0	\$59	\$679	
4.5 - Project Management for Final Engineering and Right of Way Phase											
4.5.A - Meetings											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4.5.B - General Oversight											
	0	\$59.50	10	\$595	\$1,164	\$6	\$0	\$0	\$168	\$1,932	
TOTAL 4.5 - Project Management for Final Engineering and Right of Way Phase											
		\$59.50	10	\$595	\$1,164	\$6	\$0	\$0	\$168	\$1,932	
TOTAL - Final Engineering Phase											
		\$49.97	63	\$3,148	\$6,157	\$31	\$0	\$0	\$889	\$10,224	
TOTAL AUTHORIZED PARTS											
			293	\$15,012	\$29,359	\$146	\$0	\$0	\$4,239	\$48,755	
IF-AUTHORIZED TASKS:											
If Authorized Task											
	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL IF-AUTHORIZED PARTS											
			0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	
GRAND TOTAL											
										\$48,755	



C-R-S		MOT-CR165-08.71							
Consultant:		Kimley-Horn							
Agreement No.		0							
Modification No.		0							
PID No.		0							
Proposal Date		2/19/2025							
Task Description		Kimley-Horn	Arcadis	LPA	If Authorized	No. of Sheets	Narrative		
Copy task in scope from the Labor Rates_Cost Proposal Tab		X	X	X	X		Add Narratives as needed here		
Task 1 - Preliminary Engineering									
2.1.A.G - Preliminary Alignment and Profile		X					Perform preliminary review of roundabout 26 Hours		
2.3.F.B.1 - MOT - Report									
2.3.F.B.2 - MOT - Conceptual MOT Plan									
2.3.F.B.3 - MOT - Construction Cost									
2.3.F.B.4 - MOT - Construction Schedule/Duration									
2.3.F.B.5 - MOT - Detour Route Investigation									
2.7.A.P - Traffic Control		X				5	Develop Stage 1 Preliminary pavement marking plan - Assume Medium level of effort (Non-standard intersection, roundabout); Assume 5 sheets @ 8 hrs/sheet + 2 hrs PM = 42 Hours		
2.7.H.A - Roadway/Interchange Costs			X						
2.7.J.A - Detour Plan		X				2	Develop detour map including standard signs. Assume Medium level of effort @ 16 hrs/detour = 16 Hours		
2.8.A - Meetings		X					Attend design meetings during Preliminary Engineering phase. Assume 2 staff, 3 meetings, 0.5 hour each. = 3 Hours		
2.8.B - General Oversight		X					3 months assumed (3/1/25-6/1/25) @ (1hr invoicing/month + 2hrs oversight/month) = 9 Hours		
2.8.C - Project Set Up		X					Project set-up on Kimley-Horn systems to track scope, schedule, budget and invoicing 10 Hours		
Task 2 - Environmental Engineering Phase									
3.3.C.A - Pavement Marking Plan		X				5	Develop Stage 2 Pavement marking plan - Assume Medium level of effort (Non-standard intersection, roundabout); Assume 5 sheets @ 9 hrs/sheet + 2 hrs PM = 47 Hours		
3.3.C.B - Signing Plan		X					Develop Stage 2 Signing plan - Assume Medium level of effort (Non-standard intersection, roundabout); Assume 5 sheets @ 10 hrs/sheet + 2 hrs PM = 52 Hours		
3.3.E.B - Detour Plan		X					Address Stage 1 maintenance of traffic review comments and finalize the detour map. 6 Hours		
3.3.E.A - MOT General Notes		X				1	Preparation of all MOT notes (assumed up to 4 notes), including sequence of construction: 1 sheet @ 4hrs/sheet = 4 Hours		
3.3.E.E - MOT Typical Sections					X		If authorized		
3.3.E.F - MOT Plan Sheets					X		If authorized		
3.8.A - Roadway/Interchange Costs			X						
3.9.A - Meetings		X					Attending meetings with Arcadis and the Client during Stage 2 Detailed Design. Assume 1, 0.5 hour meetings for 2 staff = 1 Hour		
3.9.B - General Oversight		X					Perform general oversight over MOT and Traffic Control during Stage 2 Design and monthly invoicing. 7 months (7/1/25-2/1/26) @ (1hr invoicing/month + 1hr oversight/month) = 14 Hours		
Task 3 - Final Engineering Phase									
4.2.A.E - Maintenance of Traffic Subsummary		X					Calculate MOT quantities and develop MOT subsummary. 8 Hours		
4.2.A.F - Pavement Marking Subsummary		X				1	Calculate pavement marking quantities and develop pavement marking subsummary. Assume Medium level of effort, 1 sheet @ 21 hrs/subsummary sheet = 21 Hours		
4.2.A.G - Signing Subsummary		X				1	Calculate signing quantities and develop signing subsummary. Assume Medium level of effort, 1 sheet @ 21 hrs/subsummary sheet = 21 Hours		
4.3.A - Roadway/Interchange Costs			X						
4.4.A - Submission of Final Tracings and Documentation		X					Submit Final Tracings sheets and base files to Arcadis: Assume 9 sheets @ 0.25 hrs/sheet = 3 Hours		
4.5.A - Meetings									
4.5.B - General Oversight		X					Perform general oversight over MOT and Traffic Control during Stage 3 Design and Tracings and monthly invoicing. 5 months (3/1/26-8/1/26) @ (1hr invoicing/month + 1hr oversight/month) = 10 Hours		



611 Lunken Park Dr.
 Cincinnati, Ohio 45226
 P (513) 321-5816
Terracon.com

January 10, 2025

Arcadis U.S., Inc.
 7575 Huntington Park Drive, Suite 130
 Columbus, OH 43235

Attn: Mr. Daniel Soroka, P.E.
 P: (614) 747-6036
 E: Brian.K.Moore@arcadis.com

RE: Proposal for Geotechnical Engineering Services
 MOT-CR165-08.71, PID: 120010
 Frederick Pike and Old Springfield Road
 City of Union, Montgomery County, Ohio
 Terracon Proposal No. PN1245431

Dear Mr. Moore:

We appreciate the opportunity to submit this proposal to Arcadis U.S., Inc. to provide Geotechnical Engineering services for the above-referenced project. The following are exhibits to the attached Agreement for Services.

Exhibit A	Project Understanding
Exhibit B	Scope of Services
Exhibit C	Compensation and Project Schedule
Exhibit D	Site Location
Exhibit E	Anticipated Exploration Plan

Exhibit C includes details of our fee in accordance with the ODOT Project Development Process (PDP) and a general breakdown of our anticipated schedule.

Your authorization for Terracon to proceed in accordance with this proposal can be issued by signing and returning a copy of a mutually agreed contract to our office.

Sincerely,
Terracon

Munal Pandey, E.I.
 Senior Staff Engineer

David W. Westendorf, P.E.
 Principal/ Group Manager



AGREEMENT FOR SERVICES

This AGREEMENT is between Arcadis U.S., Inc. ("Client") and Terracon Consultants, Inc. ("Consultant") for Services to be provided by Consultant for Client on the MOT-CR165-08.71 PID:120010 project ("Project"), as described in Consultant's Proposal dated 01/10/2025 ("Proposal"), including but not limited to the Project Information section, unless the Project is otherwise described in Exhibit A to this Agreement (which section or Exhibit is incorporated into this Agreement).

1. **Scope of Services.** The scope of Consultant's services is described in the Proposal, including but not limited to the Scope of Services section ("Services"), unless Services are otherwise described in Exhibit B to this Agreement (which section or exhibit is incorporated into this Agreement). Portions of the Services may be subcontracted. Consultant's Services do not include the investigation or detection of, nor do recommendations in Consultant's reports address the presence or prevention of biological pollutants (e.g., mold, fungi, bacteria, viruses, or their byproducts) or occupant safety issues, such as vulnerability to natural disasters, terrorism, or violence. If Services include purchase of software, Client will execute a separate software license agreement. Consultant's findings, opinions, and recommendations are based solely upon data and information obtained by and furnished to Consultant at the time of the Services.
2. **Acceptance/ Termination.** Client agrees that execution of this Agreement is a material element of the consideration Consultant requires to execute the Services, and if Services are initiated by Consultant prior to execution of this Agreement as an accommodation for Client at Client's request, both parties shall consider that commencement of Services constitutes formal acceptance of all terms and conditions of this Agreement. Additional terms and conditions may be added or changed only by written amendment to this Agreement signed by both parties. In the event Client uses a purchase order or other form to administer this Agreement, the use of such form shall be for convenience purposes only and any additional or conflicting terms it contains are stricken. This Agreement shall not be assigned by either party without prior written consent of the other party. Either party may terminate this Agreement or the Services upon written notice to the other. In such case, Consultant shall be paid costs incurred and fees earned to the date of termination plus reasonable costs of closing the Project.
3. **Change Orders.** Client may request changes to the scope of Services by altering or adding to the Services to be performed. If Client so requests, Consultant will return to Client a statement (or supplemental proposal) of the change setting forth an adjustment to the Services and fees for the requested changes. Following Client's review, Client shall provide written acceptance. If Client does not follow these procedures, but instead directs, authorizes, or permits Consultant to perform changed or additional work, the Services are changed accordingly and Consultant will be paid for this work according to the fees stated or its current fee schedule. If project conditions change materially from those observed at the site or described to Consultant at the time of proposal, Consultant is entitled to a change order equitably adjusting its Services and fee.
4. **Compensation and Terms of Payment.** Client shall pay compensation for the Services performed at the fees stated in the Proposal, including but not limited to the Compensation section, unless fees are otherwise stated in Exhibit C to this Agreement (which section or Exhibit is incorporated into this Agreement). If not stated in either, fees will be according to Consultant's current fee schedule. Fee schedules are valid for the calendar year in which they are issued. Fees do not include sales tax. Client will pay applicable sales tax as required by law. Consultant may invoice Client at least monthly and payment is due upon receipt of invoice. Client shall notify Consultant in writing, at the address below, within 15 days of the date of the invoice if Client objects to any portion of the charges on the invoice, and shall promptly pay the undisputed portion. Client shall pay a finance fee of 1.5% per month, but not exceeding the maximum rate allowed by law, for all unpaid amounts 30 days or older. Client agrees to pay all collection-related costs that Consultant incurs, including attorney fees. Consultant may suspend Services for lack of timely payment. It is the responsibility of Client to determine whether federal, state, or local prevailing wage requirements apply and to notify Consultant if prevailing wages apply. If it is later determined that prevailing wages apply, and Consultant was not previously notified by Client, Client agrees to pay the prevailing wage from that point forward, as well as a retroactive payment adjustment to bring previously paid amounts in line with prevailing wages. Client also agrees to defend, indemnify, and hold harmless Consultant from any alleged violations made by any governmental agency regulating prevailing wage activity for failing to pay prevailing wages, including the payment of any fines or penalties.
5. **Third Party Reliance.** This Agreement and the Services provided are for Consultant and Client's sole benefit and exclusive use with no third party beneficiaries intended. Reliance upon the Services and any work product is limited to Client, and is not intended for third parties other than those who have executed Consultant's reliance agreement, subject to the prior approval of Consultant and Client.
6. **LIMITATION OF LIABILITY. CLIENT AND CONSULTANT HAVE EVALUATED THE RISKS AND REWARDS ASSOCIATED WITH THIS PROJECT, INCLUDING CONSULTANT'S FEE RELATIVE TO THE RISKS ASSUMED, AND AGREE TO ALLOCATE CERTAIN OF THE ASSOCIATED RISKS. TO THE FULLEST EXTENT PERMITTED BY LAW, THE TOTAL AGGREGATE LIABILITY OF CONSULTANT (AND ITS RELATED CORPORATIONS AND EMPLOYEES) TO CLIENT AND THIRD PARTIES GRANTED RELIANCE IS LIMITED TO THE GREATER OF \$50,000 OR CONSULTANT'S FEE, FOR ANY AND ALL INJURIES, DAMAGES, CLAIMS, LOSSES, OR EXPENSES (INCLUDING ATTORNEY AND EXPERT FEES) ARISING OUT OF CONSULTANT'S SERVICES OR THIS AGREEMENT. PRIOR TO ACCEPTANCE OF THIS AGREEMENT AND UPON WRITTEN REQUEST FROM CLIENT, CONSULTANT MAY NEGOTIATE A HIGHER LIMITATION FOR ADDITIONAL CONSIDERATION IN THE FORM OF A SURCHARGE TO BE ADDED TO THE AMOUNT STATED IN THE COMPENSATION SECTION OF THE PROPOSAL. THIS LIMITATION SHALL APPLY REGARDLESS OF AVAILABLE PROFESSIONAL LIABILITY INSURANCE COVERAGE, CAUSE(S), OR THE THEORY OF LIABILITY, INCLUDING NEGLIGENCE, INDEMNITY, OR OTHER RECOVERY. THIS LIMITATION SHALL NOT APPLY TO THE EXTENT THE DAMAGE IS PAID UNDER CONSULTANT'S COMMERCIAL GENERAL LIABILITY POLICY.**
7. **Indemnity/Statute of Limitations.** Consultant and Client shall indemnify and hold harmless the other and their respective employees from and against legal liability for claims, losses, damages, and expenses to the extent such claims, losses, damages, or expenses are legally determined to be caused by their negligent acts, errors, or omissions. In the event such claims, losses, damages, or expenses are legally determined to be caused by the joint or concurrent negligence of Consultant and Client, they shall be borne by each party in proportion to its own negligence under comparative fault principles. Neither party shall have a duty to defend the other party, and no duty to defend is hereby created by this indemnity provision and such duty is explicitly waived under this Agreement. Causes of action arising out of Consultant's Services or this Agreement regardless of cause(s) or the theory of liability, including negligence, indemnity or other recovery shall be deemed to have accrued and the applicable statute of limitations shall commence to run not later than the date of Consultant's substantial completion of Services on the project.
8. **Warranty.** Consultant will perform the Services in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. **EXCEPT FOR THE STANDARD OF CARE PREVIOUSLY STATED, CONSULTANT MAKES NO WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, RELATING TO CONSULTANT'S SERVICES AND CONSULTANT DISCLAIMS ANY IMPLIED WARRANTIES OR WARRANTIES IMPOSED BY LAW, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**
9. **Insurance.** Consultant represents that it now carries, and will continue to carry: (i) workers' compensation insurance in accordance with the laws of the states having jurisdiction over Consultant's employees who are engaged in the Services, and employer's liability insurance (\$1,000,000); (ii) commercial general liability insurance (\$2,000,000 occ / \$4,000,000 agg); (iii) automobile liability insurance (\$2,000,000 B.I. and P.D. combined single limit); (iv) umbrella liability (\$5,000,000 occ / agg); and (v) professional liability insurance (\$1,000,000 claim / agg). Certificates of insurance will be provided upon request. Client and Consultant shall waive subrogation against the other party on all general liability and property coverage.



Reference Number: PN1255008

10. **CONSEQUENTIAL DAMAGES. NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR LOSS OF PROFITS OR REVENUE; LOSS OF USE OR OPPORTUNITY; LOSS OF GOOD WILL; COST OF SUBSTITUTE FACILITIES, GOODS, OR SERVICES; COST OF CAPITAL; OR FOR ANY SPECIAL, CONSEQUENTIAL, INDIRECT, PUNITIVE, OR EXEMPLARY DAMAGES.**
11. **Dispute Resolution.** Client shall not be entitled to assert a Claim against Consultant based on any theory of professional negligence unless and until Client has obtained the written opinion from a registered, independent, and reputable engineer, architect, or geologist that Consultant has violated the standard of care applicable to Consultant's performance of the Services. Client shall provide this opinion to Consultant and the parties shall endeavor to resolve the dispute within 30 days, after which Client may pursue its remedies at law. This Agreement shall be governed by and construed according to Ohio law.
12. **Subsurface Explorations.** Subsurface conditions throughout the site may vary from those depicted on logs of discrete borings, test pits, or other exploratory services. Client understands Consultant's layout of boring and test locations is approximate and that Consultant may deviate a reasonable distance from those locations. Consultant will take reasonable precautions to reduce damage to the site when performing Services; however, Client accepts that invasive services such as drilling or sampling may damage or alter the site. Site restoration is not provided unless specifically included in the Services.
13. **Testing and Observations.** Client understands that testing and observation are discrete sampling procedures, and that such procedures indicate conditions only at the depths, locations, and times the procedures were performed. Consultant will provide test results and opinions based on tests and field observations only for the work tested. Client understands that testing and observation are not continuous or exhaustive, and are conducted to reduce - not eliminate - project risk. Client shall cause all tests and inspections of the site, materials, and Services performed by Consultant to be timely and properly scheduled in order for the Services to be performed in accordance with the plans, specifications, contract documents, and Consultant's recommendations. No claims for loss or damage or injury shall be brought against Consultant by Client or any third party unless all tests and inspections have been so performed and Consultant's recommendations have been followed. Unless otherwise stated in the Proposal, Client assumes sole responsibility for determining whether the quantity and the nature of Services ordered by Client is adequate and sufficient for Client's intended purpose. Client is responsible (even if delegated to contractor) for requesting services, and notifying and scheduling Consultant so Consultant can perform these Services. Consultant is not responsible for damages caused by Services not performed due to a failure to request or schedule Consultant's Services. Consultant shall not be responsible for the quality and completeness of Client's contractor's work or their adherence to the project documents, and Consultant's performance of testing and observation services shall not relieve Client's contractor in any way from its responsibility for defects discovered in its work, or create a warranty or guarantee. Consultant will not supervise or direct the work performed by Client's contractor or its subcontractors and is not responsible for their means and methods. The extension of unit prices with quantities to establish a total estimated cost does not guarantee a maximum cost to complete the Services. The quantities, when given, are estimates based on contract documents and schedules made available at the time of the Proposal. Since schedule, performance, production, and charges are directed and/or controlled by others, any quantity extensions must be considered as estimated and not a guarantee of maximum cost.
14. **Sample Disposition, Affected Materials, and Indemnity.** Samples are consumed in testing or disposed of upon completion of the testing procedures (unless stated otherwise in the Services). Client shall furnish or cause to be furnished to Consultant all documents and information known or available to Client that relate to the identity, location, quantity, nature, or characteristic of any hazardous waste, toxic, radioactive, or contaminated materials ("Affected Materials") at or near the site, and shall immediately transmit new, updated, or revised information as it becomes available. Client agrees that Consultant is not responsible for the disposition of Affected Materials unless specifically provided in the Services, and that Client is responsible for directing such disposition. In no event shall Consultant be required to sign a hazardous waste manifest or take title to any Affected Materials. Client shall have the obligation to make all spill or release notifications to appropriate governmental agencies. The Client agrees that Consultant neither created nor contributed to the creation or existence of any Affected Materials conditions at the site and Consultant shall not be responsible for any claims, losses, or damages allegedly arising out of Consultant's performance of Services hereunder, or for any claims against Consultant as a generator, disposer, or arranger of Affected Materials under federal, state, or local law or ordinance.
15. **Ownership of Documents.** Work product, such as reports, logs, data, notes, or calculations, prepared by Consultant shall remain Consultant's property. Proprietary concepts, systems, and ideas developed during performance of the Services shall remain the sole property of Consultant. Files shall be maintained in general accordance with Consultant's document retention policies and practices.
16. **Utilities.** Unless otherwise stated in the Proposal, Client shall provide the location and/or arrange for the marking of private utilities and subterranean structures. Consultant shall take reasonable precautions to avoid damage or injury to subterranean structures or utilities. Consultant shall not be responsible for damage to subterranean structures or utilities that are not called to Consultant's attention, are not correctly marked, including by a utility locate service, or are incorrectly shown on the plans furnished to Consultant.
17. **Site Access and Safety.** Client shall secure all necessary site related approvals, permits, licenses, and consents necessary to commence and complete the Services and will execute any necessary site access agreement. Consultant will be responsible for supervision and site safety measures for its own employees, but shall not be responsible for the supervision or health and safety precautions for any third parties, including Client's contractors, subcontractors, or other parties present at the site. In addition, Consultant retains the right to stop work without penalty at any time Consultant believes it is in the best interests of Consultant's employees or subcontractors to do so in order to reduce the risk of exposure to unsafe site conditions. Client agrees it will respond quickly to all requests for information made by Consultant related to Consultant's pre-task planning and risk assessment processes.

Consultant: Terracon Consultants, Inc.
 By:  Date: 1/10/2025
 Name/Title: David W. Westendorf, P.E. / Principal
 Address: 611 Lunken Park Dr
Cincinnati, OH 45226-1813
 Phone: (513) 321-5816 Fax: (513) 321-0294
 Email: David.Westendorf@terracon.com

Client: Arcadis U.S., Inc.
 By: _____ Date: _____
 Name/Title: Brian Moore / Transportation Engineer
 Address: 7575 Hungtington Park Drive, Suite 130
Columbus, OH 43235
 Phone: (614) 747-6036 Fax: _____
 Email: Brian.K.Moore@arcadis.com

Proposal for Geotechnical Engineering Services

MOT-CR165-08.71, PID: 120010 | City of Union, Montgomery County, Ohio

January 10, 2025 | Terracon Proposal No. PN1245431



Exhibit A – Project Understanding

Our Scope of Services is based on our understanding of the project as described by Arcadis and the expected subsurface conditions as described below. Aspects of the project, undefined or assumed, are highlighted below. We request Arcadis and/or the design team verify all information prior to our initiation of field exploration activities.

Planned Construction

Item	Description
Information Provided	An email request for a proposal was provided by Mr. Brian K. Moore, P.E. with Arcadis on December 13, 2024. A follow up email consisting of the conceptual site layout was received on December 18, 2024. We understand that this layout is preliminary and will most likely change later.
Project Description	This project involves the modification of the existing Frederick Pike and Old Springfield four-way stop-controlled intersection into a roundabout.
ODOT Specifications	Ohio Specifications for Geotechnical Explorations (SGE)- 7/19/2024 Ohio Geotechnical Design Manual (GDM)- 7/19/2024 Ohio Bridge Design Manual (BDM)- 7/19/2024

Site Location and Anticipated Conditions

Item	Description
Project Information	<ul style="list-style-type: none"> ■ The project is located on Frederick Pike and Old Springfield Road in City of Union, Montgomery County, Ohio. ■ Latitude/Longitude (approximate): 39.9139,-84.2746 ■ (See Exhibit D)
Existing Structures/Conditions	The existing Frederick Pike and Old Springfield Road are two-way single-lane asphalt-paved roadways. The general site area is primarily residential except for the southwest corner of the intersection which is agricultural. There are various overhead and underground utilities within the project site.

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Item	Description
<p>Existing Topography (from Google Earth PRO™)</p>	<p>The site grades are generally level with elevations ranging from about Elevation 945 feet MSL on the northern side to about Elevation 950 feet MSL on the southern side.</p>
<p>Site Access</p>	<p>We expect the site, and all exploration locations will be accessible with our track-mounted drilling equipment and support vehicles.</p>
<p>Expected Subsurface Conditions</p>	<p>Our experience near the vicinity of the proposed development and review of geologic maps indicates subsurface conditions consist of shallow man-placed fill followed by cohesive and cohesionless soils of glacial origin. The soil overburden is underlain by dolomite, or limestone and shale bedrock.</p> <p>According to USGS, the bedrock at the site maps as the Silurian Age Lockport Dolomite or Clinton and Cataract Groups Formation. The bedrock on this site is anticipated at about 10 to 20 feet below existing site grades.</p>

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MOT-CR165-08.71, PID: 120010 | City of Union, Montgomery County, Ohio

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Exhibit B - Scope of Services

Our proposed Scope of Services consists of field exploration, laboratory testing, and engineering/project delivery in general accordance with the ODOT PDP and applicable ODOT Specifications. These services are described in the following sections.

Field Exploration

Based on input provided by Arcadis, the project scope, ODOT SGE, and our experience with similar projects in the vicinity of the project site, we propose the following field exploration program which is anticipated to be completed within 1 day of on-site activities.

Number of Borings	Planned Boring Depth (feet) ^{1,2}	ODOT Boring Type ¹	Sampling Intervals
4	10	Roadway (Type B)	6 feet continuous at subgrade level, and 2.5 feet intervals up to 10 feet

1. Boring depths will be adjusted in the field as necessary to meet ODOT SGE requirements. We will notify Arcadis at the time of drilling and provide a supplemental change order request after drilling for the additional drilling and associated services (traffic control, etc).
2. The boring locations might be adjusted at the site based on the existing site features and underground/overhead utilities.

Boring Layout and Elevations: We will use handheld GPS equipment to locate borings with an estimated accuracy of +/-1 foot. Field measurements from existing site features may be utilized. If available, approximate elevations will be obtained by interpolation from a site-specific, surveyed topographic map. We can alternatively coordinate with your Project Surveyor to include locations and surface elevations in project information if so requested.

Subsurface Exploration Procedures: We will advance soil borings with a track-mounted drill rig using continuous flight, and hollow stem augers. Sampling will be performed in general accordance with ODOT SGE and as summarized in the table above. Soil sampling is typically performed using thin-wall tube and/or split-barrel sampling procedures. The split-barrel samplers are driven in accordance with the standard penetration test (SPT). The samples will be placed in appropriate containers, taken to our soil laboratory for testing, and classified by a Geotechnical Engineer. In addition, we will observe and record groundwater levels during drilling and sampling. Bedrock is not anticipated within the

Proposal for Geotechnical Engineering Services

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proposed exploration depths, so our scope does not include services associated with rock coring.

Our exploration team will prepare field boring logs as part of standard drilling operations including sampling depths, penetration distances, and other relevant sampling information. Field logs include visual classifications of materials observed during drilling and our interpretation of subsurface conditions between samples. Final boring logs, prepared from field logs, represent the Geotechnical Engineer's interpretation and include modifications based on observations and laboratory tests.

Property Disturbance: Terracon will make reasonable efforts to reduce damage to the property. We will backfill or seal borings per ODOT SGE requirements upon completion. Pavements will be patched with cold-mix asphalt and/or ready-mixed concrete, as appropriate. Excess auger cuttings will be dispersed in the general vicinity of the borehole off the edge of the roadway.

We will sweep any loose soil or aggregate from the drilling operation off of the road. Some staining of the road is anticipated that will wash away after some precipitation events. Our current scope/budget does not include any additional services associated with the power washing of roadways or containerizing of drill cuttings and fluids, decontamination of our rig between the exploration points, or environmental screenings/sampling. If such additional services are required, please let us know so that we can revise our fee and scope accordingly.

Safety: Terracon is not aware of environmental concerns at this project site that would create health or safety hazards associated with our exploration program; thus, our Scope considers standard OSHA Level D Personal Protection Equipment (PPE) appropriate. Our Scope of Services does not include environmental site assessment services, but identification of unusual or unnatural materials observed while drilling will be noted on our logs.

Exploration efforts require borings into the subsurface, therefore Terracon will comply with local regulations to request a utility location service through Ohio Utilities Protection Service (OUPS). We will consult with the landowner/client regarding potential utilities or other unmarked underground hazards. Based on the results of this consultation, we will consider the need for alternative subsurface exploration methods as the safety of our field crew is a priority.

Private utilities should be marked by the owner/client prior to the commencement of field exploration. Terracon will not be responsible for damage to private utilities not disclosed to us.

If the owner/client is unable to accurately locate private utilities, and it becomes apparent that the risk of private utilities on/near the site exists, then Terracon will initiate these

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services by forwarding the additional scope and corresponding fee to our client for approval. Unless noted otherwise, private utility locating services will be by non-invasive means, such as GPR and EM. The detection of underground utilities is dependent upon the composition and construction of the utility line; some utilities are comprised of non-electrically conductive materials and may not be readily detected. The use of a private utility locate service by Terracon would not relieve the owner/client of their responsibilities in identifying private underground utilities.

Site Access: Terracon must be granted access to the site by the property owner. Without information to the contrary, we consider acceptance of this proposal as authorization to access the property for conducting field exploration in accordance with the Scope of Services. Our proposed fees do not include time to negotiate and coordinate access with landowners or tenants.

Traffic Control: For the work scope of this proposal, we have budgeted for subcontracting traffic control services (signage and flagman) during our drilling activities, which is anticipated to take one (1) day. This proposal is based on the assumption that one traffic lane can be closed temporarily, if required, within a hundred feet (+/-) of our drill rig during our drilling activities. Terracon will apply for the appropriate right-of-way permits from Montgomery County/City of Union before commencing fieldwork and we understand there might be restricted working hours along this roadway. We have anticipated work to be completed during normal working hours on weekdays.

Laboratory Testing

The project engineer will review field data and assign laboratory tests to understand the engineering properties of various soil strata. The exact types and the number of tests cannot be defined until the completion of fieldwork, but we anticipate the following laboratory testing may be performed:

- Water content
- Complete Classification (Water Content, Atterberg limits, Grain size analysis (sieve/hydrometer)
- Soluble Sulfate Content

For this study, we have included 3 complete classifications and 1 soluble sulfate testing per boring at each boring. Visual classification and moisture content testing will be performed on the remainder of the samples.

Our laboratory testing program often includes the examination of soil samples by an engineer. Based on the material's texture and plasticity, we will describe and classify soil samples in accordance with ODOT SGE. If bedrock samples are obtained, rock classification will be conducted using ODOT SGE.

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Engineering and Project Delivery

The results of our field and laboratory programs will be evaluated by a professional engineer. The engineer will develop a geotechnical site characterization, perform the engineering calculations necessary to evaluate alternatives, and develop appropriate geotechnical engineering design criteria for earth-related phases of the project.

Our submittals (and fee breakdown) for this project will be done in general accordance with the ODOT Project Development Process (PDP). Based on this our submittals include the following:

- **Stage 1- Design, Geotechnical Services, and Report (ODOT Task 2.7.D.A)**
 - Field exploration, laboratory testing, and draft exploration report
 - Draft Geotechnical Profile/Structure Foundation sheets (*if appropriately scaled/formatted plan and profile sheets are provided- see ODOT SGE 702.2*)
- **Stage 2- Finalize Geotechnical Exploration and Report (ODOT Task 3.3.K.A)**
 - Finalize geotechnical report based on City/County/ODOT comments
 - Finalize Geotechnical Profile/Structure Foundation Sheets.
 - Certification of Review of the Stage 2 Plans (plans to be provided for review at least 48 hours before submittal to City/ODOT)

The geotechnical engineering report will provide the following:

- Project Description
- Geology
- Reconnaissance
- Subsurface Exploration
 - Site Location and Exploration Plans
 - Subsurface exploration procedures
- Exploration Findings
 - Description of subsurface conditions
 - Boring logs with field and laboratory data
 - Stratification based on visual soil and bedrock classification
 - Groundwater levels observed during and after the completion of drilling
- Analysis & Recommendations
 - Site preparation and earthwork recommendations
 - Subgrade recommendations based on ODOT subgrade analysis

In addition to an emailed report, your project will also be delivered using our **Client Portal**. Upon initiation, we provide you and your design team with the necessary link and password to access the website (if not previously registered). Each project includes a calendar to track the schedule, an interactive site map, a listing of team members, access to the project documents as they are uploaded to the site, and a collaboration portal. We

Proposal for Geotechnical Engineering Services

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welcome the opportunity to have project kickoff conversations with the team to discuss key elements of the project and demonstrate the features of the portal.

When services are complete, we upload a printable version of our completed Geotechnical Engineering report, including the professional engineer's seal and signature, which documents our services. Previous submittals, collaboration, and reports are maintained in our system. This allows future reference and integration into subsequent aspects of our services as the project goes through final design and construction.

Proposal for Geotechnical Engineering Services

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Exhibit C - Compensation and Project Schedule

Compensation

Based upon our understanding of the site, the project as summarized in Exhibit A, and our planned Scope of Services outlined in Exhibit B, our fee is shown in the following table:

Task	Estimated Fee
Stage 1- Design, Geotechnical Services, and Report (ODOT Task 2.7.D.A) <ul style="list-style-type: none"> Field exploration, laboratory testing, and draft exploration report <ul style="list-style-type: none"> <u>Includes 1 days of subcontracted traffic control</u> 	\$15,197
Stage 2- Finalize Geotechnical Exploration and Report (ODOT Task 3.3.K.A) <ul style="list-style-type: none"> Finalize geotechnical report based on County/ODOT comments <ul style="list-style-type: none"> Finalize Geotechnical Profile/Structure Foundation Sheets. Certification of Review of the Stage 2 Plans (plans to be provided for review at least 48 hours before submittal to City/County/ODOT) 	\$716
Total	\$15,913

We will invoice you monthly on a cost+ basis. Unless instructed otherwise, we will submit our invoice(s) to the address shown at the beginning of this proposal. If conditions are encountered that require Scope of Services revisions and/or result in higher fees, we will contact you for approval, prior to initiating services. The exception is for additional drilling footage or sampling needed during the field exploration to meet ODOT SGE requirements based on the actual conditions encountered. We will notify the client of any changes required to meet SGE requirements but will continue exploration unless directed otherwise. A supplemental proposal stating the modified Scope of Services as well as its effect on our fee will be prepared.

Project Schedule

We developed a schedule to complete the Scope of Services based on our existing availability and understanding of your project schedule. However, this does not account for delays in field exploration beyond our control, such as weather conditions, COVID, permit delays, or lack of permission to access the boring locations. In the event the schedule provided is inconsistent with your needs, please contact us so we may consider alternatives.

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GeoReport® Delivery	Duration from Notice to Proceed of Each Stage ^{1, 2} (Business Days)
Stage 1	
Field Exploration	15 to 20
Laboratory Testing	10 to 15 <i>After completion of field exploration</i>
Geotechnical Engineering Report	5 to 10 <i>After completion of lab testing</i>
Stage 2	
Finalize Exploration Report and Sheets	5 to 10
Stage 3	
Finalize Report and Sheets	3 to 5

1. Upon receipt of your notice to proceed, we will activate the schedule component of our *GeoReport®* website with specific, anticipated calendar days for the three delivery points noted above as well as other pertinent events such as field exploration crews on-site, etc.
2. We will maintain a current calendar of activities within our *GeoReport®* website. In the event of a need to modify the schedule, the schedule will be updated to maintain a current awareness of our plans for delivery.



OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF GEOTECHNICAL ENGINEERING

PROPOSAL
for the
GEOTECHNICAL EXPLORATION

MOT-CR165-08.71

120010

Intersection Improvement to Roundabout

Terracon Consultants, Inc.

Prepared By: **Munal Pandey**

Date prepared: **January 10, 2025**

**611 Lunken Park Dr
Cincinnati, Ohio 45226**

**(513) 612-9028
munal.pandey@terracon.com**

COST SUMMARY										
Task	Hourly Rate	Total Hours	Direct Labor Costs	Overhead Costs	Cost of Money	Other Direct Costs	Subcon. Costs	Net Fee	Total Cost	Percent of Total Cost
GEOTECHNICAL EXPLORATION PROPOSAL C/R/S: MOT-CR165-08.71 Overhead Percentage = 200.86% PID NO.: 120010 ODOT Statewide Percentage for Net Fee = 164.56% CONSULTANT: Terracon Consultants, Inc. Net Fee Percentage = 11.00% DATE: January 10, 2025 Cost of Money = 1.53%										
RECONNAISSANCE AND PLANNING										
Office Reconnaissance	\$42.60	5	\$213	\$428	\$3	\$62		\$62	\$706	
Field Reconnaissance	\$0.00	0	\$0	\$0	\$0	\$0		\$0	\$0	
Exploration Plan	\$44.33	3	\$133	\$267	\$2	\$0	\$0	\$39	\$441	
Subtotal	Avg. Rate \$43.25	8	\$346	\$695	\$5	\$0	\$0	\$101	\$1,147	7%
FIELD COORDINATION										
Field Coordination	\$41.15	13	\$535	\$1,075	\$8	\$187		\$156	\$1,961	12%
Logging (if drilling is subcontracted)	\$0.00	0	\$0	\$0	\$0	\$0		\$0	\$0	0%
Subtotal	Avg. Rate \$41.15	13	\$535	\$1,075	\$8	\$187	\$0	\$156	\$1,961	
Subtotal							\$0		\$4,772	30%
LABORATORY TESTING										
Subtotal							\$0		\$3,232	20%
GEOTECHNICAL EXPLORATION REPORT										
Subgrade and Roadway Bridge	\$38.50	32	\$1,232	\$2,475	\$19	\$0	\$0	\$359	\$4,085	
Retaining Wall	\$0.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Geohazard (describe)	\$0.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Stage 2 Plan Review	\$43.20	5	\$216	\$434	\$3	\$0	\$0	\$63	\$716	
Final Plan Review	\$0.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal	Avg. Rate \$39.14	37	\$1,448	\$2,909	\$22	\$0	\$0	\$422	\$4,801	30%
Total	Avg. Rate \$40.16	58	\$2,329	\$4,679	\$35	\$187	\$0	\$679	\$15,913	Cost per foot*
										\$360

*Cost per foot does not include sub-contracted traffic maintenance

GEOTECHNICAL EXPLORATION PROPOSAL

LABOR HOURS

C/R/S : MOT-CR165-08.71

PID NO.: 120010

CONSULTANT: Terracon Consultants, Inc.

DATE: January 10, 2025

HOURLY RATES

Personnel Category	Salary Rate
Manager, P.E.	\$53.00
Project Engineer, P.E.	\$40.00
Staff Engineer	\$35.00
CADD Technician	\$35.00
Field Supervisor	\$48.00
Technician	\$30.00
Geologist	\$35.00
Secretary	\$30.00

HOURS BY PERSONNEL CATEGORY

Task	Manager	Project Engineer	Staff Engineer	CADD Technician	Field Supervisor	Technician	Geologist	Secretary	Total Hours	Labor Costs
RECONNAISSANCE AND PLANNING										
Office Reconnaissance	1	4	0	0	0	0	0	0	5	\$213
Field Reconnaissance	0	0	0	0	0	0	0	0	0	\$0
Exploration Plan	1	2	0	0	0	0	0	0	3	\$133
Subtotal	2	6	0	0	0	0	0	0	8	\$346
FIELD COORDINATION										
Field Coordination	1	2	6	0	4	0	0	0	13	\$535
Logging (if drilling is subcontracted)	0	0	0	0	0	0	0	0	0	\$0
Subtotal	1	2	6	0	4	0	0	0	13	\$535
GEOTECHNICAL EXPLORATION REPORT										
Subgrade and Roadway	4	10	4	12	0	0	0	2	32	\$1,232
Bridge	0	0	0	0	0	0	0	0	0	\$0
Retaining Wall	0	0	0	0	0	0	0	0	0	\$0
Geohazard (describe)	0	0	0	0	0	0	0	0	0	\$0
Stage 2 Plan Review	2	2	0	0	0	0	0	1	5	\$216
Final Plan Review	0	0	0	0	0	0	0	0	0	\$0
Subtotal	6	12	4	12	0	0	0	3	37	\$1,448
Total	9	20	10	12	4	0	0	3	58	\$2,329

GEOTECHNICAL EXPLORATION PROPOSAL		FIELD EXPLORATION			
C/R/S :	MOT-CR165-08.71				
PID NO.:	120010				
CONSULTANT:	Terracon Consultants, Inc.				
DATE:	January 10, 2025				
Task	Quantity	Unit	Unit Cost	Cost	Task Description
Mobilization/Demobilization	1	lump	\$1,600.00	\$1,600	Getting the necessary equipment and personnel to and from the project site. Includes crew travel time and mileage to and from the site, at the start and upon completion.
Subtotal				\$1,600	
Traffic Maintenance					
Typical Application No.	21				Describe each traffic control set-up, as referenced in the Ohio Manual of Uniform Traffic Control Devices, by the Typical Application No. Includes all flaggers, law enforcement, per diem, mileage, and equipment and personnel to set-up, maintain, and tear down traffic control zones
Typical Application No.	1	days	\$1,509.23	\$1,509	
		days		\$0	
Railroad Traffic Control		days		\$0	
Subtotal				\$1,509	
Subsurface Exploration					
Includes all necessary equipment, materials, and personnel to move equipment and crew between borings, set-up, drill, sample, supply water, perform visual descriptions of rock samples, prepare field logs, backfill borehole, and contain, preserve and transport samples. All drilling footage measured from the ground surface or the bottom of the body of water, as applicable.					
Hand Sampling					
Method Description					Includes all equipment and personnel to excavate, sample, log and backfill each hand sampling method
		feet		\$0	
Method Description					
		feet		\$0	
Test Pits					
		each		\$0	Includes all equipment and personnel to excavate, sample, log and backfill test pit
Pavement/Bridge Deck Coring					
Core Diameter		in.			Includes all equipment, personnel, and material to core and patch pavement/bridge deck and either handle or dispose of core.
		each	\$250.00	\$0	
Core Diameter		in.			
		each		\$0	
Truck/ATV/Trailer Mounted Rotary Drilling					
Number of Drill Rig Days	1	days			Includes all methods of rotary drilling on land, except skid rig
Total Soil Footage (ft)	40		40 ft/day		
Total Rock Footage (ft)	0		0 ft/day		
No Sampling		feet		\$0	
5-ft SPT		feet	\$25.00	\$0	
2.5-ft SPT	16	feet	\$28.00	\$448	
Continuous SPT	24	feet	\$32.00	\$768	
Undisturbed Samples		each	\$125.00	\$0	
Rock Coring		feet	\$55.00	\$0	
Permanent Borehole Sealing	40	feet	\$9.00	\$360	
Skid Drilling					
Number of Drill Rig Days		days			Includes press, preservation, transport, and extraction, minimum 50% recovery
Total Soil Footage (ft)	0		0 ft/day		
Total Rock Footage (ft)	0		0 ft/day		
No Sampling		feet		\$0	
5-ft SPT		feet		\$0	
2.5-ft SPT		feet		\$0	
Continuous SPT		feet		\$0	
Undisturbed Samples		each		\$0	
Rock Coring		feet		\$0	
Permanent Borehole Sealing		feet		\$0	
Barge Drilling					
Number of Drill Rig Days		days			Includes press, preservation, transport, and extraction, minimum 50% recovery
Total Soil Footage (ft)	0		0 ft/day		
Total Rock Footage (ft)	0		0 ft/day		
5-ft SPT		feet		\$0	
2.5-ft SPT		feet		\$0	
Continuous SPT		feet		\$0	
Undisturbed Samples		each		\$0	
Rock Coring		feet		\$0	
Permanent Borehole Sealing		feet		\$0	
Barge		days		\$0	
Other Exploratory Methods					
Method Description					CPT, DCP, Geophysical, etc. Propose a daily rate to include all costs associated with performing the described exploratory method.
		days		\$0	
Method Description					
		days		\$0	
In-situ Testing					
Test:					Includes all mobilization/demobilization, equipment, material, labor, travel, per diem, calibration, and data reduction
		days		\$0	
Test:					
		days		\$0	
Installation/Reading of Geotechnical Instruments					
Open Standpipe Piezometer		feet		\$0	Excludes cost of drilling - present above. Includes all material and labor for installation
Monitoring Well		feet		\$0	
Inclinometer		feet		\$0	
Misc (describe)					
		each		\$0	pneumatic or vibrating wire piezometers, strain gages, extensometers, TDR cable, etc.
Instrument Readings		trips		\$0	Includes all equipment, material, labor, travel, per diem, calibration, and data reduction
Subtotal				\$1,576	
Direct Costs					
Drill Crew Meals and Lodging	0	per crew	\$400.00	\$0	
Drilling Mileage	150	miles	\$0.58	\$87	
Subtotal				\$87	
FIELD EXPLORATION TOTAL ALL PARTS				Total	\$4,772

LABORATORY TESTING

GEOTECHNICAL EXPLORATION PROPOSAL

C/R/S : MOT-CR165-08.71

PID NO.: 120010

CONSULTANT: Terracon Consultants, Inc.

DATE: January 10, 2025

Test	Test Method		Quantity	Unit	Unit Cost	Cost	Remarks
	AASHTO	ASTM					
Soil Testing							
Complete Classification	Multiple	Multiple	12	each	\$211	\$2,532	Includes Visual Description per SGE Section 602, T265, T88, T89, T90
Water Content Test and Visual Description	T265	D2216	12	each	\$17	\$204	Visual Description per SGE Section 602
Particle Size Analysis - Sieve Only	T88	D422	0	each	\$91	\$0	As modified per SGE Section 603.3
Particle Size Analysis - Sieve and 2-hour Hydrometer	T88	D422	0	each	\$120	\$0	As modified per SGE Section 603.3
Liquid Limit Test	T89	D4318	0	each	\$47	\$0	As modified per SGE Section 603.3
Plastic Limit Test	T90	D4318	0	each	\$46	\$0	As modified per SGE Section 603.3
Organic Content by Loss on Ignition	T267	D2974	0	each	\$64	\$0	
Soil Unconfined Compression Test	T208	D2166	0	each	\$96	\$0	
Unconsolidated-Undrained Triaxial Compression Test	T296	D2850	0	1 point	\$205	\$0	
Consolidated-Undrained Triaxial Compression Test (with pore pressure measurement)	T297	D4767	0	3 points	\$1,094	\$0	
One-Dimensional Consolidation Test	T216	D2435	0	each	\$620	\$0	
Specific Gravity Test	T100	D854	0	each	\$81	\$0	
Direct Shear Test	T236	D3080	0	3 points	\$615	\$0	
Sulfate Content in Soils, Colorimetric Method	ODOT S1122	NA	4	each	\$124	\$496	
Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
Subtotal						\$3,232	
Rock Testing							
Unconfined Compressive Strength of Intact Rock Core Specimen	NA	D7012, Method C	0	each	\$117	\$0	
Slake Durability of Shales and Similar Weak Rocks	NA	D4644	0	each	\$258	\$0	
Determination of the Point Load Strength Index of Rock	NA	D5731	0	each	\$80	\$0	
Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression	NA	D7012, Method D	0	each	\$295	\$0	
Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
Misc. (identify test)			0			\$0	Identify the test and test method for any tests not listed above
Subtotal						\$0	
Total						\$3,232	

LABORATORY TESTING TOTAL ALL PARTS

GEOTECHNICAL EXPLORATION PROPOSAL		DIRECT COSTS		
C/R/S :	MOT-CR165-08.71			
PID NO.:	120010			
CONSULTANT:	Terracon Consultants, Inc.			
DATE:	January 10, 2025			
Task	Quantity	Unit	Unit Cost	Cost
RECONNAISSANCE AND PLANNING				
(describe)	0		\$0.00	\$0.00
(describe)	0		\$0.00	\$0.00
(describe)	0		\$0.00	\$0.00
			Subtotal	\$0.00
FIELD COORDINATION				
Field Coordination				
Meals and Lodging	0	day	\$0.00	\$0.00
Mileage	150	mile	\$0.58	\$87.00
Permits	1	each	\$100.00	\$100.00
Dozer and Operator (site access and restoration)	0	hour	\$0.00	\$0.00
Site Restoration (not including Dozer)	0	site	\$0.00	\$0.00
Railroad Permits	0	each	\$0.00	\$0.00
Other (describe)	0		\$0.00	\$0.00
Other (describe)	0		\$0.00	\$0.00
			Subtotal	\$187.00
Logging (If drilling is subcontracted)				
Meals and Lodging	0	day	\$0.00	\$0.00
Mileage	0	mile	\$0.58	\$0.00
Other (describe)	0		\$0.00	\$0.00
			Subtotal	\$0.00
			Subtotal	\$187.00
GEOTECHNICAL EXPLORATION REPORT				
(describe)	0		\$0.00	\$0.00
(describe)	0		\$0.00	\$0.00
			Subtotal	\$0.00
DIRECT COSTS TOTAL ALL PARTS			Total	\$187.00



ESTIMATE

Corporate Office:
 AWP, Inc. dba AWP Safety
 4244 Mt. Pleasant St NW
 North Canton, OH 44720

BILL TO

Terracon Consultants, Inc. - Cincinnati - PWP
 611 Lunken Park Drive
 Cincinnati, Ohio 45226

Local Office
 AWP, Inc. dba AWP Safety
 2790 Thunderhawk Court,
 Dayton, Ohio 45414

Attention: Munal Pandey
 Phone: 5134329727
 Email: munal.pandey@terracon.com

Estimate Name: Frederick Pike, Vandalia, OH - Flagging, AFADS

WHO TO CONTACT FOR JOB ESTIMATES

Michael Halverson | michael.halverson@awpsafety.com | (330) 704-6538

ESTIMATE
 Q-169942 -1

ESTIMATE DATE
 1/10/2025

WHO TO CONTACT FOR SCHEDULING

Customer Call Center | info@awptrafficsafety.com | (800) 343-2650
 Schedule Online <https://www.awptrafficsafety.com/schedule-now/>

Standard Flagging With AFADS - Daily Rate

Weekday, daytime rate for a 2 Person Crew, 8 Hours On Site.

Same Day Call-out / Weeknight / Weekend daily rate for a 2 Person Crew, 8 Hours On Site will be billed at \$1,968.82

Each additional traffic control technician (if needed or required) will be billed at \$531.40 for 8 hours on site (weekday) or \$761.20 (same day call out / weeknight / weekend).

AFADs may be used in place of one or more traffic control technicians at AWP's discretion

PRODUCT	PRODUCT DESCRIPTION	PRODUCT CODE	UOM	QTY
Standard Traffic Control Sign	Standard Traffic Control Sign	STDSIGN	Day	8.00
Sign Stand	Standard Sign Stand for Small and Medium Signs	SSO	Day	8.00
36" Reflectorized Cone	Standard 36" Traffic Cone	TC36R	Day	30.00
Vehicle Charge	Daily Rate for Light Duty Vehicles used for Traffic Control Services	VEH	Day	1.00

PRODUCT	PRODUCT DESCRIPTION	PRODUCT CODE	UOM	QTY
Traffic Control Employee - Daily - 8 Hour Day	Traffic Control Employees 0-5 Hours on site will be billed at 75% of the Applicable Daily Rate. 5-8 Hours on site will be billed at 100% of the Applicable Daily Rate. Overtime rate will be billed at \$86.17 per man hour after 8 hours on site.	1M8D	Day	2.00
AFAD - Automated Flagger Assistance Device (8 Hour Day)	AFAD - Billed Daily at 8 hours Per Day	AFAD8	Day	2.00
Standard Flagging With AFADS - Daily Rate Daily Estimated Subtotal:				\$1,509.23

See Service Terms and Conditions below - regarding cancellations, partial days, emergency callout, overtime, nights/weekends/Holidays...

Additional charges may apply for additional equipment or labor above estimated service (refer to price list for supplemental items).

Estimated Duration	1 Days
Total	\$1,509.23



Proposal for Geotechnical Engineering Services
MOT-CR165-08.71, PID: 120010 | City of Union, Montgomery County, Ohio
January 10, 2025 | Terracon Proposal No. PN1245431

Exhibit D – Site Location

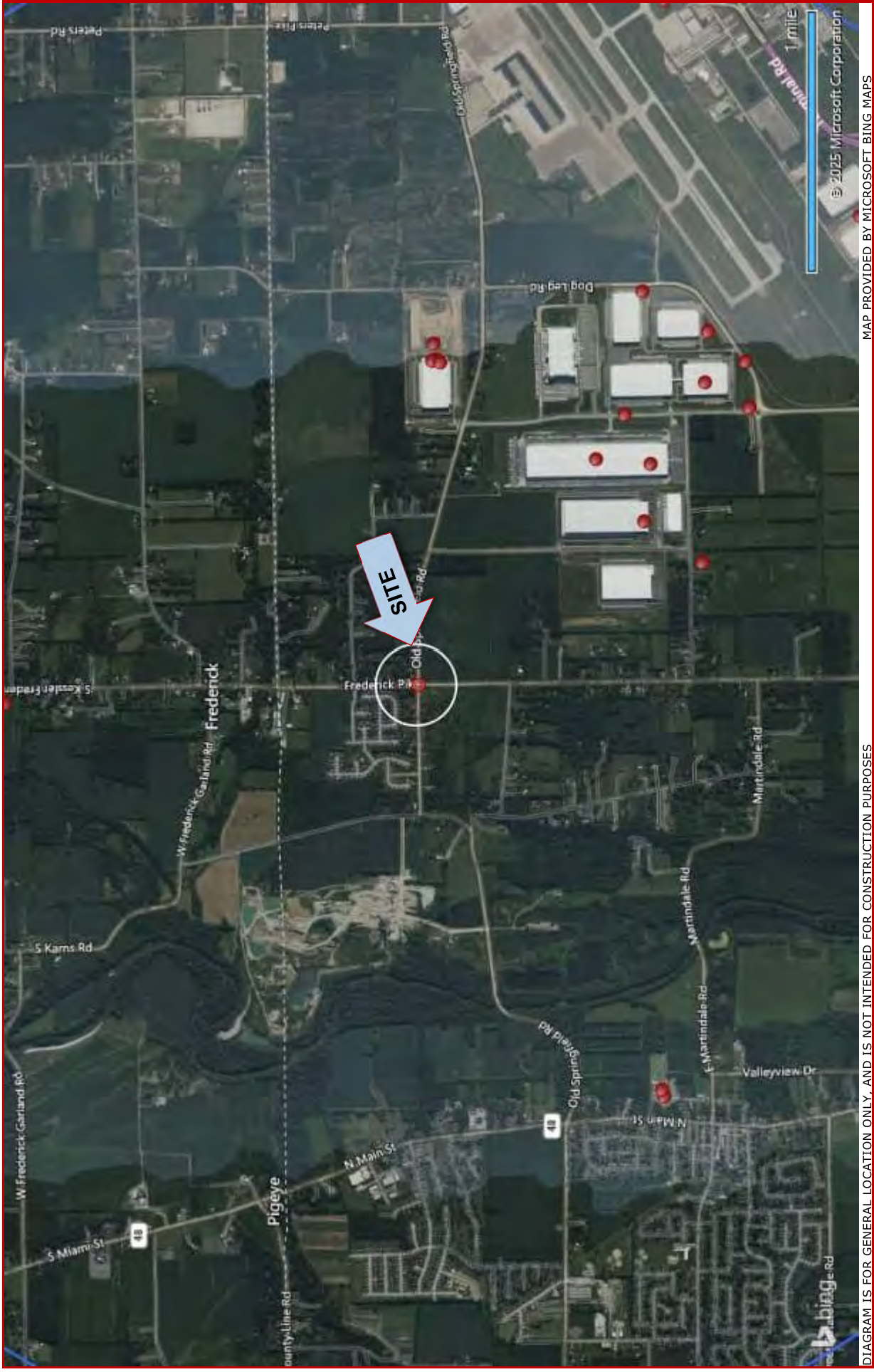


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

MAP PROVIDED BY MICROSOFT BING MAPS



Proposal for Geotechnical Engineering Services
MOT-CR165-08.71, PID: 120010 | City of Union, Montgomery County, Ohio
January 10, 2025 | Terracon Proposal No. PN1245431

Exhibit E – Anticipated Exploration Plan

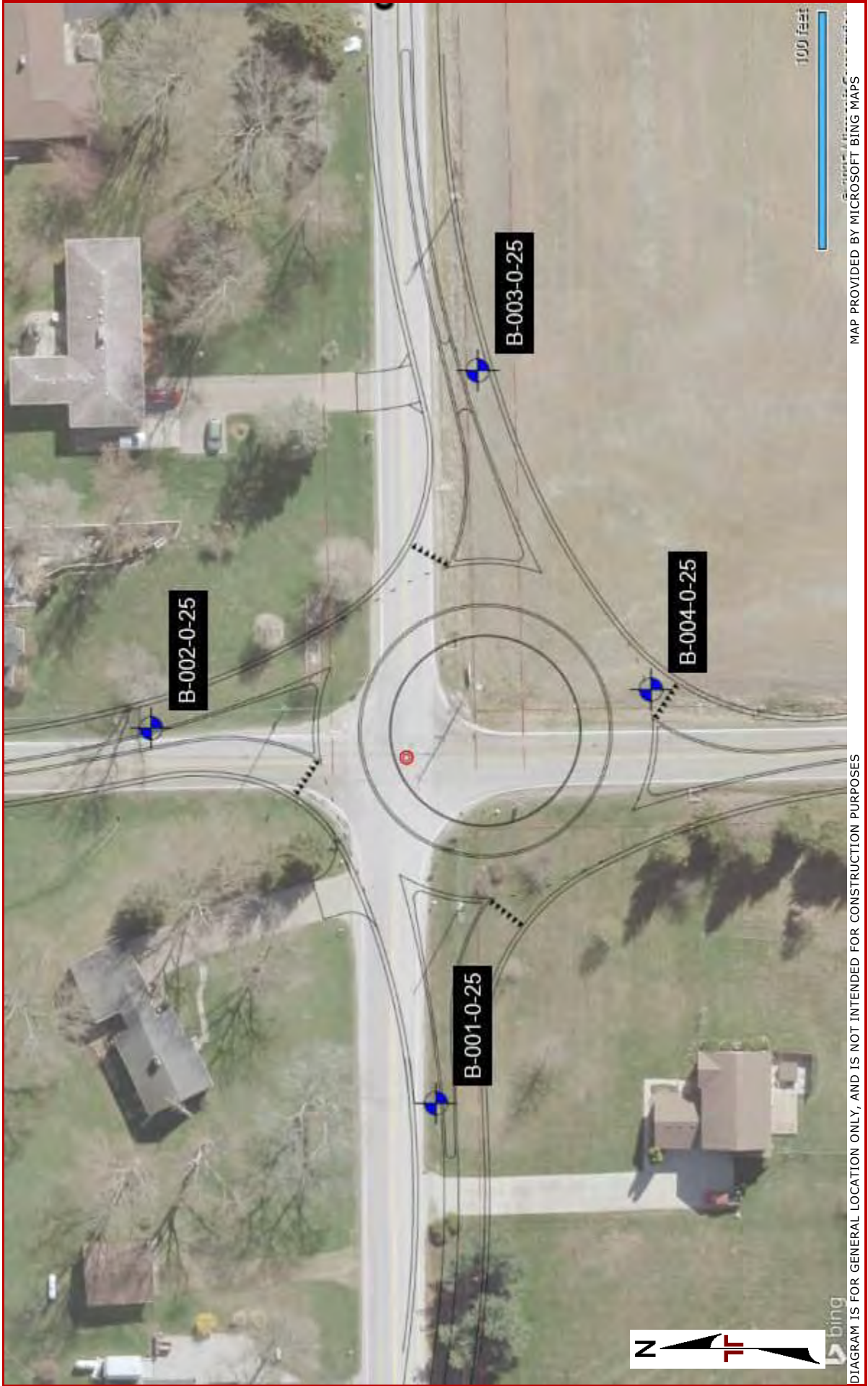


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

MAP PROVIDED BY MICROSOFT BING MAPS



SAM, LLC

12480 Debartolo Dr, North Jackson, OH 44451

Ofc 330-794-4455

info@sam.biz www.sam.biz

Delivery Method: Via Email: Brian.K.Moore@arcadis.com

January 16, 2025

Brian K. Moore, PE
Arcadis U.S., Inc.
7575 Huntington Park Drive, Suite 130
Columbus, OH 43235

**RE: Subsurface Utility Engineering Services
Frederick/ Old Springfield - MCTID - PID 122010
Project Number 1025095604**

Dear Brian:

Surveying And Mapping, LLC (SAM) is pleased to provide this proposal for professional Subsurface Utility Engineering (SUE) Quality Level A, B, and Surveying services to Arcadis U.S., Inc. for the Frederick/ Old Springfield - MCTID - PID 122010 project in Vandalia, OH. This proposal has been prepared based on our 12/18/24 email conversation.

After you have reviewed the attached proposed Scope of Services and associated fees, please do not hesitate to call if you have any questions or comments. Again, thank you for the opportunity to be of service. We are looking forward to working with you on this important project.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Rhett Sloan'. The signature is fluid and cursive, written over a light blue circular stamp.

Surveying And Mapping, LLC.

Rhett Sloan
Senior Project Manager
(c) 234-417-9988

Attachments :

- Proposal
- A. Site Map



1.0 Project Description

SAM proposes to provide subsurface utility engineering (SUE) services in an attempt to identify existing subsurface utilities (minus exclusions stated below) (hereafter referred to as underground utilities) within the outlined area shown on **Attachment A** (outlined area). This investigation is to aid in the development of the design for the Frederick/ Old Springfield - MCTID - PID 122010 project in Vandalia, OH.

The work will be conducted in accordance with the Construction Institute (CI)/American Society of Civil Engineers (ASCE) Standard 38-02, *Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data*. This document is the standard upon which SUE is conducted, defining the service as:

A branch of engineering practice that involves managing certain risks associated with: utility mapping at appropriate quality levels, utility coordination, utility relocation design and coordination, utility condition assessment, communication of utility data to certain parties, utility relocation cost estimates, implementation of utility accommodation policies, and utility design.

2.0 Scope of Services

The proposed scope of services includes:

2.1 Records Research - Quality Level D

Conducting utility records research to assist in identifying utility owners that may have facilities on or be affected by the project. Applicable utility owner records will be requested, responses will be documented, and record information will be compiled. Designating staff will review records for indications of additional available records, duplicate information, and a need for clarifications by utility owners.

2.2 Incorporate above ground features - Quality Level C

Identifying surface features on the topographic plan and ground surface that are surface appurtenances of existing subsurface utilities. If records and features do not agree, further record review and field reconnaissance will be undertaken to resolve discrepancies. Work will incorporate Quality Level D findings.

2.3 Designating and Marking - Quality Level B

SAM staff will utilize the suite of geophysical equipment in each vehicle to attempt to designate the utilities identified in the Project Description within the area(s) of interest. Quality Level B services for this project include:

- Obtaining permits from city, county, or other municipalities to allow SAM, LLC staff to work in streets, roads, or right-of-ways.
- Utilizing normal traffic control, including standard placement of traffic cones, freestanding warning signage and vehicle-mounted traffic directional sign.
- Designating and marking underground utilities within the project limits using an appropriate suite of surface geophysical methods. Equipment that may be utilized includes:
 - Radiodetection - RD8100, Metrotech Vivax vLoc3-Pro, and Metrotech Vivax VM



- Acoustic - ULTRA-TRAC® Acoustic Pipe Locator
 - GPR - Single and/or Dual Frequency
 - Magnetic locators
 - Rodders, Sondes (transmitters) and Receivers for non-conductive utility detection, other than electric
- Marking the utilities at maximum 50-foot intervals and at changes in direction
 - Attempting to locate water lines, force mains, and other non-tonable utilities using ground penetrating radar. If successful, these utilities will be marked as Quality Level B. If unsuccessful, these utilities will be marked Quality Level D. If appropriate, Test Holes may be recommended to establish the precise location for design.
 - Marking each utility run with the appropriate surveying code and number for each mark. This will be noted on the field sketch for use by the surveyor and our quality control staff.
 - SAM will survey markings, and any other pertinent information, as is reasonably ascertainable, that indicate the presence of a utility. Horizontal data will be held to the accuracies and precision dictated by the project's survey control.
 - Plotting survey data on base plans provided by client using either AutoCAD or MicroStation platforms.
 - Providing a deliverable including engineering drawing(s) shown in plan view using the approved color codes for found utilities in accordance with CI/ASCE Standard 38-02 complete with engineering OR utility professional seal and signature.

Limitations

The degree of success of GPR investigations are based entirely on the composition of the medium being studied and the depth and scale of the subsurface targets. Subsequently, due to the unknown nature of the soil and its susceptibility to the passage of radar/electromagnetic energy or the degree of which subsurface interfaces may produce distinguishable anomalies in the data, conclusive results cannot be guaranteed. Therefore, the possibility exists that our findings may prove inconclusive.

Locating - Quality Level A (IF-Authorized)

Quality Level A services will include performing an estimated **6 test holes** to establish the exact location and elevation of critical utilities that may conflict with future construction. SAM will use minimally intrusive excavation techniques that protect the integrity of the utilities in question, and that of other lines that may be encountered. The test hole will be excavated using air and/or water assisted vacuum excavation equipment intended for this purpose.

The excavation procedure will include:

- Clearing the Test Hole area of surface debris.
- In paved areas, neatly cutting and removing existing pavement. Cut shall not exceed 225 square inches unless otherwise approved.
- Excavating the Test Hole utilizing the above-described equipment. The nominal diameter will not exceed 15 inches unless otherwise approved. Care will be taken to avoid damaging lines, wrappings, coatings, cathodic protection or other protective coverings and features. Hand



digging will be conducted to the extent necessary to supplement the vacuum excavation process.

- Exposing the utility only to the extent required for identification and data collection purposes.
- Storing excavated material for re-use or disposal at an approved location near the project, as appropriate.

Data collected from the Test Hole will be recorded on a standard SAM, LLC *Test Hole Data Sheet* that will be subsequently sealed and dated. The location will be shown on the drawing. Data will include:

- Utility owner (if known)
- Top and/or bottom elevation of the utility relative to an above ground mark to a vertical accuracy of +/- 0.05 feet.
- Field sketch showing horizontal location referenced to a minimum of two physical structures existing in the field.
- Approximate centreline bearing of utility.
- Outside diameter of pipe, width of duct bank, and configuration of multi-conduit systems.
- Utility structure material composition, when reasonably ascertainable.
- Other pertinent information.

Site restoration will include:

- Replacing bedding material around exposed utility lines.
- Backfilling and compacting the excavation using a steel tamper bar in one-foot lifts.
- As applicable, providing permanent pavement restoration within the limits of the original cut using materials, compaction, and pavement thickness similar or equal to that found.
- For excavations in unpaved areas, restoring disturbed area, to the extent practical, to reflect pre-existing conditions.
- Furnishing and installing permanent surface marker (e.g., P.K. nail, peg, steel pin, or hub) directly above the centreline of the utility.
- Surveying the test hole marker.

The deliverable will include Test Hole Data Forms depicting found utility information in accordance with CI/ASCE Standard 38-02 complete with professional seal and signature. SAM will also update the existing CAD file with the test hole location(s).

3.0 Cost Proposal

SAM, LLC proposes to complete the above-described scope of services in accordance with the Standard Terms and Conditions to be agreed upon on a time and materials basis for the estimated authorized cost of **\$27,113.00**. The cost breakdown is provided in **Table 1** below.

- **Table 1**
- **Cost Breakdown**

Task	Total
Subsurface Utility Engineering Quality Level B	\$15,160.00
Subsurface Utility Engineering Quality Level A (IF-Authorized)	\$11,953.00



This cost estimate is based on our current understanding described in the project description, the scope of services, and the assumptions listed below. In the event these items change in the course of this project, the SAM project manager will be in touch concerning changes to the project cost and schedule.

3.0 Assumptions

Proposal

- This proposal is valid for a period of 90 days.

Required by Client

- **Access**
 - Client will provide complete access for SAM staff, equipment, and company vehicles, to the project site between the hours of 7:00 a.m. and 5:30 p.m. This does not state SAM staff will be on site during this time period. This is inclusive of sidewalks in front of businesses and private residences and curbside parking on either side of the road.
- **Notification and Coordination**
 - Client will notify local property owners of the work activities and schedule.
 - Client will facilitate coordination with the site owners to the extent required.
- **Records**
 - To the extent available, client will provide copies of available records for existing facilities and improvements prior to commencement of work.
 - To the extent available, client will provide CAD file of existing survey information including previously found utilities, topographic features, and survey control prior to the commencement of work.
- **Work Permits, Entry, and Training**
 - Client will facilitate work; excavation permits and entry forms to the extent required by the project.
 - Project specific training will not be required.
 - Confined space entry is not required.
- **Safety**
 - Client will facilitate safe access for vehicles, equipment, and personnel.

Traffic Control

- Traffic control requiring lane closures, traffic detouring, flag persons, police, etc., is considered special traffic control and **is** included in this scope of services. 2 Days of MOT has been included in this scope of services, If additional MOT is needed SAM will bill client accordingly.

Weather

- SAM will notify the client of snow cover or other issues that may impede or delay the investigation.



Quality Level A Services

- If the utilities are over 10 feet deep or a significant large gravel or caliche is encountered, non-destructive vacuum excavation techniques may be unsuccessful uncovering the utility. In such a case, the Test Hole results will be inconclusive.
- All test hole effort for this scope is estimated assuming a single utility will be identified for each location. If 2 or more utilities are shown to be at a single location the client will be billed per utility for the effort.
- Every effort will be made to excavate the Test Hole over the utility. However, if multiple holes are required to identify its location, additional charges will be incurred.
- The specialized traffic control effort estimated for this scope is confined to shoulder closures and minor single lane closures. The use of officers, attenuator trucks, and flagging crews over 2 people have not been accounted for. If test holes are required in locations requiring additional traffic control support SAM will advise and supply the client with a supplemental proposal for the additional effort.

4.0 Schedule of Services

Based on a written agreement and notice to proceed, we will mobilize within 14 days and complete the Quality Level A work in a safe and efficient manner working 7:00 a.m. to 5:30 p.m. Monday - Friday pending no weather delays or conditions beyond our control. SAM, LLC will submit the deliverable drawings and CAD file within 14 days upon the final collection of field data. Weather will be paramount to the success of a geophysical investigation and changing weather conditions may elongate the schedule of services. The project manager for SAM will keep the client apprised of the progress and any delays that occur.



ATTACHMENT A SITE MAP



March 10, 2025

Brian Moore
Arcadis
via email

Dear Brian:

Thank you for including us on your team for the Frederick Pike roundabout project. We have revised the following cost proposal based upon your input about the ODOT feedback.

As you are aware, Rasor is a full-service public relations and marketing firm with Disadvantaged Business Enterprise (DBE), Small Business Enterprise (SBE), Women's Business Enterprise (WBE), and Encouraging Diversity, Growth and Equity (EDGE) certifications. We are also prequalified in Public Involvement for ODOT. Our agency works hard to anticipate and fulfill our clients' needs and will ensure appropriate staffing based on the level of expertise required for the efficient management of your project. If you have any questions or need additional information, please let us know.

Sincerely,



Mimi Rasor, APR
President
Mimi@GoRasor.com
513.910.8385 Direct

Frederick Roundabout Estimate
Anticipated Work: 12 Months from NTP

Authorized Services/Descriptions	Rasor Deliverables/Activity	Estimate
Public Involvement Strategy	<ul style="list-style-type: none"> Define strategy, messaging, and target audiences in collaboration with project team and MCTID 	\$1,500
FAQ Brochure Development	<ul style="list-style-type: none"> Create project fact sheet and FAQ brochure in collaboration with the project team and MCTID Includes 2 rounds of revisions Printing and mailing to select households within a half-mile radius of the interchange 	\$3,600 , plus \$750 for printing and mailing
Project Team Coordination	<ul style="list-style-type: none"> Public engagement communication counsel and coordination with project team and client during relevant project months Project management 	\$2,900
TOTAL		\$8,000 plus \$750 out-of-pocket

Rasor bills clients at hourly rates ranging from \$50-\$210, depending on the level of the person performing the work. The project estimate is + or – 10%. Time is recorded in 15-minute increments with monthly detailed reports available upon request. Any out-of-pocket expenses necessary to undertake on the client’s behalf will be submitted for approval in advance.

If Authorized Services/Descriptions	Rasor Deliverables/Activity	Estimate
Pre-recorded Presentation (if authorized)	<ul style="list-style-type: none"> • Content planning with project team • Presentation development • Content development for MCTID or ODOT website • Record and post presentation 	\$4,900
Public Meeting (if authorized)	<ul style="list-style-type: none"> • Meeting planning with project team • Includes meeting logistics • Review and provide counsel on meeting content • Develop and provide meeting notification in coordination with MCTID • Set up and staff meeting (2 staff) • Provide meeting summary report • Estimating \$500 toward printing costs 	\$12,000, plus \$500 toward printing costs
Additional Project Team Coordination	<ul style="list-style-type: none"> • Public engagement communication counsel and coordination with project team and client • Project management 	\$4,000 depending upon level of effort needed
IF AUTHORIZED ADDITIONAL TOTAL		\$20,900 plus \$500 out-of-pocket

Rasor bills clients at hourly rates ranging from \$50-\$210, depending on the level of the person performing the work. The project estimate is + or – 10%. Time is recorded in 15-minute increments with monthly detailed reports available upon request. Any out-of-pocket expenses necessary to undertake on the client’s behalf will be submitted for approval in advance.