



Public Works Commission

Application for Financial Assistance

IMPORTANT: Please consult "Instructions for Financial Assistance for Capital Infrastructure Projects" for guidance in completion of this form.

Applicant

Applicant: Montgomery County Subdivision Code: 113-00113

District Number: 4 County: Montgomery Date: 08/24/2022

Contact: Cedric McGhee Phone: 937-225-4817
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: mcgheec@mcohio.org FAX: _____

Project

Project Name: Taylorville Road Bridge, HUB-218-3.51, Reconstruction Project LTIP Zip Code: 45424

Subdivision Type	Project Type	Funding Request Summary	
	<small>(Select single largest component by \$)</small>	<small>(Automatically populates from page 2)</small>	
<u>County</u>	1. Road	Total Project Cost:	<u>1,330,000</u> .00
	x 2. Bridge/Culvert	1. Grant:	<u>332,500</u> .00
	3. Water Supply	2. Loan:	<u>0</u> .00
	4. Wastewater	3. Loan Assistance/ Credit Enhancement:	<u>0</u> .00
	5. Solid Waste	Funding Requested:	<u>332,500</u> .00
	6. Stormwater		

District Recommendation (To be completed by the District Committee)

<u>Funding Type Requested</u> <small>(Select one)</small>	SCIP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
<input type="checkbox"/> State Capital Improvement Program	RLP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
<input type="checkbox"/> Local Transportation Improvement Program	Grant:	Amount: _____ .00
<input type="checkbox"/> Revolving Loan Program	LTIP:	Amount: _____ .00
<input type="checkbox"/> Small Government Program	Loan Assistance / Credit Enhancement:	Amount: _____ .00
District SG Priority: _____		

For OPWC Use Only

<u>STATUS</u>	Grant Amount: _____ .00	Loan Type: <input type="checkbox"/> SCIP <input type="checkbox"/> RLP
Project Number: _____	Loan Amount: _____ .00	Date Construction End: _____
_____	Total Funding: _____ .00	Date Maturity: _____
Release Date: _____	Local Participation: _____ %	Rate: _____ %
OPWC Approval: _____	OPWC Participation: _____ %	Term: _____ Yrs

1.0 Project Financial Information (All Costs Rounded to Nearest Dollar)

1.1 Project Estimated Costs

Engineering Services

Preliminary / Final Design:	<u> 0 </u>	.00	
Construction Administration:	<u> 0 </u>	.00	
Total Engineering Services:	a.) <u> 0 </u>	.00	<u> 0 %</u>
Right of Way:	b.) <u> 10,000 </u>	.00	
Construction:	c.) <u> 1,200,000 </u>	.00	
Permits, Advertising, Legal:	e.) <u> 0 </u>	.00	
Construction Contingencies:	f.) <u> 120,000 </u>	.00	
Total Estimated Costs:	g.) <u> 1,330,000 </u>	.00	

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account:	a.) <u> 0 </u>	.00	
Local Revenues:	b.) <u> 997,500 </u>	.00	
Other Public Revenues:			
Local / ODOT - Let: <u> </u>	d.) <u> 0 </u>	.00	
ODOT PID: <u> </u>			
OEPA / OWDA:	e.) <u> 0 </u>	.00	
CDBG:	f.) <u> </u>	.00	
Other: <u> </u>	g.) <u> 0 </u>	.00	
Subtotal Local Resources:	i.) <u> 997,500 </u>	.00	<u> 75 %</u>

OPWC Funds (Check all requested and enter Amount)

Grant: <u> 100 </u> % of OPWC Funds	j.) <u> 332,500 </u>	.00	
Loan: <u> 0 </u> % of OPWC Funds	k.) <u> 0 </u>	.00	<u> </u> yrs
Loan Assistance / Credit Enhancement:	l.) <u> 0 </u>	.00	
Subtotal OPWC Funds:	m.) <u> 332,500 </u>	.00	<u> 25 %</u>
Total Financial Resources:	n.) <u> 1,330,000 </u>	.00	<u> 100 %</u>

1.3 Availability of Local Funds

Attach a statement signed by the Chief Financial Officer listed in section 5.2 certifying all local resources required for the project will be available on or before the earliest date listed in the Project Schedule section. The OPWC Agreement will not be released until the local resources are certified. Failure to meet local share may result in termination of the project. Applicant needs to provide written confirmation for funds coming from other funding sources.

2.0 Repair / Replacement or New / Expansion

2.1 Total Portion of Project New / Expansion: _____⁰.00

3.0 Project Schedule

3.1 Engineering / Design / Right of Way Begin Date: 10/01/2022 End Date: 02/29/2024

3.2 Bid Advertisement and Award Begin Date: 03/01/2024 End Date: 04/01/2024

3.3 Construction Begin Date: 05/13/2024 End Date: 09/02/2024

Construction cannot begin prior to release of executed Project Agreement and issuance of Notice to Proceed. Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by project official of record and approved by the Commission once the Project Agreement has been executed.

4.0 Project Information

If the project is multi-jurisdictional, information must be consolidated in this section.

4.1 Useful Life / Cost Estimate / Age of Infrastructure

Project Useful Life: 56 Years Age: 1970 (Year built or year of last major improvement)

Attach Registered Professional Engineer's statement, with seal or stamp and signature confirming the project's useful life indicated above and detailed cost estimate.

4.2 User Information

Road or Bridge: Current ADT 10842 Year 2022

Water / Wastewater: Based on monthly usage of 4,500 gallons per household; attach current ordinances.

Residential Water Rate Current \$ 0 Number of households served: _____

Residential Wastewater Rate Current \$ 0 Number of households served: _____

Stormwater: Number of households served: _____

4.3 Project Description

A: SPECIFIC LOCATION (Supply a written location description that includes the project termini; a map does not replace this requirement.) 2000 character limit.

The Taylorsville Road Bridge (HUB-218-3.51) is located 0.8 miles west of Troy Pike. The Structure is located between Willow Creek Drive and Rustic Woods Drive. The project zipcode is 45424 in Huber Heights OH.

B: IDENTIFY THE PROBLEM (Describe the issue to be addressed) 2000 character limit.

The project entails a bridge with reduced structural capacity. The bridge is posted, so this is a safety of the travelling public issue. The beams are in poor condition with exposed reinforcing steel. The abutment walls have large vertical cracks. The existing pavement is worn. The bridge is rated in poor condition with an ODOT General Appraisal of 4. Thus, the bridge superstructure is "structurally deficient" and needs replacement.

C: PROJECT SCOPE (Describe the work to be completed) 2000 character limit.

The reconstruction project includes the replacing of the existing bridge beams. New prestressed concrete composite box beams will be installed. There will be phased construction to help maintain traffic during construction. One half of the proposed bridge will be constructed in Phase 1. The other half of the bridge will be built in Phase 2. There will be minimal channel work and moderate roadway improvements. Existing rock channel protection is in good condition and will remain undisturbed. Additional rock will be added as needed. New safety rail and grading will be installed to meet current roadway safety standards. Sidewalk, curb, and curb ramp will be replaced. A substantial amount of work will be completed within the existing right of way. Permanent and temporary easements will be necessary for the structure walls, walk, and end treatments. R/W and utility coordination is necessary on this project.

5.0 Project Officials

Changes in Project Officials must be submitted in writing from an officer of record.

5.1 Chief Executive Officer (Person authorized in legislation to sign project agreements)

Name: Michael B. Colbert
Title: County Administrator
Address: 451 West Third Street

City: Dayton State: OH Zip: 45422
Phone: 937-225-4582
FAX:
E-Mail: colbertm@mcoho.org

5.2 Chief Financial Officer (Can not also serve as CEO)

Name: Ronelle Kinney
Title: Fiscal Officer
Address: 451 West Third Street

City: Dayton State: OH Zip: 45422
Phone: 937-225-4904
FAX:
E-Mail: kinneyr@mcoho.org

5.3 Project Manager

Name: Cedric McGhee
Title: Engineer II
Address: 451 West Third Street

City: Dayton State: OH Zip: 45422
Phone: 937-225-4817
FAX:
E-Mail: mcgheec@mcoho.org

6.0 Attachments / Completeness review

Confirm in the boxes below that each item listed is attached (Check each box)

- x A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 7.0, Applicant Certification, below.

- x A certification signed by the applicant's chief financial officer stating the amount of all local share funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO which identifies a specific revenue source for repaying the loan also must be attached. Both certifications can be accomplished in the same letter.

- x A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's seal or stamp and signature.

A cooperative agreement (if the project involves more than one subdivision or district) which identifies the fiscal and administrative responsibilities of each participant.

Farmland Preservation Review - The Governor's Executive Order 98-IV, "Ohio Farmland Protection Policy" requires the Commission to establish guidelines on how it will take protection of productive agricultural and grazing land into account in its funding decision making process. Please include a Farm Land Preservation statement for projects that have an impact on farmland.

Capital Improvements Report. CIR Required by O.R.C. Chapter 164.06 on standard form.

- x Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), accident reports, impact on school zones, and other information to assist your district committee in ranking your project. Be sure to include supplements which may be required by your local District Public Works Integrating Committee.

7.0 Applicant Certification

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission as identified in the attached legislation; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement for this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding from the project.

Certifying Representative (Printed form, Type or Print Name and Title)

Original Signature / Date Signed

**RESOLUTION NO. 22-1243
AUGUST 16, 2022**

RESOLUTION AUTHORIZING THE MONTGOMERY COUNTY ENGINEER'S OFFICE TO PREPARE AND SUBMIT APPLICATIONS TO PARTICIPATE IN THE OHIO PUBLIC WORKS COMMISSION (OPWC) STATE CAPITAL IMPROVEMENT PROGRAM (SCIP) OR THE LOCAL TRANSPORTATION IMPROVEMENT PROGRAM (LTIP), AND TO EXECUTE CONTRACTS AS REQUIRED FOR PROJECT APPLICATIONS TO BE SUBMITTED FOR ROUND 2022-2023 (FISCAL YEAR 2024) AS SHOWN IN ATTACHED EXHIBIT "A".

WHEREAS, the Montgomery County Engineer's Office has been notified that OPWC Program Funds will be available to jurisdictions within the area covered by the District 4 Public Works Integrating Committee for Round 2022-2023 (Fiscal Year 2024); and

WHEREAS, the OPWC's State Capital Improvement Program and the Local Transportation Improvement Program both provide financial assistance to political subdivisions for public infrastructure projects; and

WHEREAS, the Montgomery County Engineer's Office is planning to construct the capital improvements listed in Exhibit "A"; and

WHEREAS, the Montgomery County Engineer's Office commits to funding all local share project costs exceeding the total of the OPWC's grants and/or loans received; and

WHEREAS, the County Administrator is the County's authorized agent to sign the OPWC applications and subsequent contracts for project applications to be submitted for Round 2022-2023 (Fiscal Year 2024); and

WHEREAS, the Montgomery County Engineer's Office is authorized to provide additional information concerning the projects listed in Exhibit "A" and commits to meeting the reporting requirements for OPWC.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Montgomery County, Ohio, that the resolution authorizing the transmittal of the applications and entering into of any agreements necessary and appropriate for obtaining OPWC funds as described above for the projects listed in Exhibit "A", be and is hereby approved.

BE IT FURTHER RESOLVED that the Clerk shall certify a copy of this resolution to the County Engineer. The County Engineer shall forward a copy of the certified resolution to the OPWC's District 4 Public Works Integrating Committee. The resolution is also available on Montgomery County, Ohio's website at <http://www.mcoho.org>.

GES:th

**RESOLUTION NO: 22-1243
AUGUST 16, 2022**

CERTIFICATE

Ms. Dodge moved the adoption of the foregoing resolution. It was seconded by Mrs. Lieberman, and upon call of the roll the following vote resulted:

Ms. Dodge, aye; Mrs. Lieberman, aye; Mrs. Rice, aye: Carried.

I hereby certify that the foregoing is a true and correct copy of a resolution duly adopted by the Board of County Commissioners of Montgomery County, Ohio, on the 16th day of August, 2022.

THE BOARD OF COUNTY COMMISSIONERS HEREBY FINDS AND DETERMINES THAT ALL FORMAL ACTIONS RELATIVE TO THE ADOPTION OF THIS RESOLUTION WERE TAKEN IN AN OPEN MEETING OF THIS BOARD OF COUNTY COMMISSIONERS, AND THAT ALL DELIBERATIONS OF THIS BOARD OF COUNTY COMMISSIONERS, AND OF ITS COMMITTEES, IF ANY WHICH RESULTED IN FORMAL ACTION, WERE TAKEN IN MEETINGS OPEN TO THE PUBLIC, IN FULL COMPLIANCE WITH APPLICABLE LEGAL REQUIREMENTS, INCLUDING SECTION 121.22 OF THE REVISED CODE.

Emily Bradford

Emily Bradford, Clerk
Board of County Commissioners
Montgomery County, Ohio

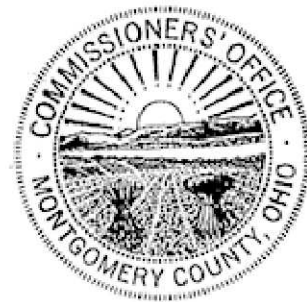


Exhibit A

Ohio Public Works Commission (OPWC) Round 2022-2023 State Capital Improvement Program (SCIP) and Local Transportation Improvement Project (LTIP) Applications

OPWC SCIP Project Application	Job Number	Program Manager	SCIP Project Total Costs	Total SCIP Request	SCIP Grant Request	SCIP Loan Request	MCEO Road A&G	Funds from Other Sources	SCIP Loan Term
Mad River Road Resurfacing (PID 116873)	2022-12	Joe Dura	\$ 874,500	\$ 200,000	\$ 50,000	\$ 150,000	\$ 166,284	\$ 508,216	5-years
Shoup Mill Road Reconstruction (PID 110332)	2018-20	Joe Dura	\$ 5,016,000	\$ 1,500,000	\$ 1,125,000	\$ 375,000	\$ 998,800	\$ 2,517,200	10-years
Taylorsville Road	2021-18	Cedric McGhee	\$ 1,330,000	\$ 500,000	\$ 250,000	\$ 250,000	\$ 830,000	\$ -	5-years
Wagner Ford Road (HAR-218-1.00)	2021-09	Rick Splawinski	\$ 1,022,000	\$ 500,000	\$ 125,000	\$ 375,000	\$ 522,000	\$ -	10-years
Wenger Road (CLT-20B-2.06)	2021-17	David Shields	\$ 409,500	\$ 409,500	\$ 102,375	\$ 307,125	\$ -	\$ -	10-years

OPWC LTIP Project Application	Job Number	Program Manager	LTIP Project Total Costs	LTIP Grant Request		MCEO Road A&G	Funds from Other Sources	
Mad River Road Resurfacing (PID 116873)	2022-12	Joe Dura	\$ 874,500	\$ 200,000		\$ 166,284	\$ 508,216	
Shoup Mill Road Reconstruction (PID 110332)	2018-20	Joe Dura	\$ 5,016,000	\$ 1,100,000		\$ 1,398,800	\$ 2,517,200	
Taylorsville Road	2021-18	Cedric McGhee	\$ 1,330,000	\$ 332,500		\$ 997,500	\$ -	
Wagner Ford Road (HAR-218-1.00)	2021-09	Rick Splawinski	\$ 1,022,000	\$ 200,000		\$ 822,000	\$ -	
Wenger Road (CLT-20B-2.06)	2021-17	David Shields	\$ 409,500	\$ 195,000		\$ 214,500	\$ -	

MONTGOMERY COUNTY ENGINEER'S OFFICE CHIEF FINANCIAL OFFICERS CERTIFICATION

August 24, 2022

I, Ronelle Kinney, Comptroller, of the Montgomery County Engineer's Office, hereby certify that the Montgomery County Engineer's Office will have the amount of \$997,500.00 available in the Road A&G Fund. A sum of \$167,500 amount will be used to repay the SCIP or RLP loan requested over a 10 year period and a sum of \$830,000.00 amount will be used to pay the remainder contractor balance for the (Taylorsville Road Bridge, #HUB-218-3.51, Reconstruction Project, City of Huber Heights, Job #2021-18). This amount will be added to the SCIP grant amount of \$332,500.00 requested.

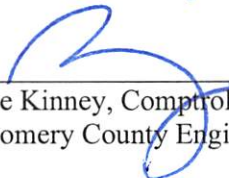
Round 37

Project Name: Taylorsville Road Bridge, #HUB-218-3.51, Reconstruction Project

Grant Amount	\$332,500.00
Loan Amount	\$167,500.00
Remainder Amount	\$830,000.00

These funds will be available for use July 1, 2023, immediately after formal project approval.

Sincerely,



Ronelle Kinney, Comptroller
Montgomery County Engineer's Office

Taylorsville Road Bridge, HUB-M218-3.51, Replacement Project
 Job #2021-18

ENGINEER'S ESTIMATE

REF NO.	ITEM	ITEM EXT	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
ROADWAY							
1	201	11000	CLEARING AND GRUBBING	LUMP	1	\$6,500.00	\$6,500.00
2	202	35100	PIPE REMOVED, 24" AND UNDER	FT	33	\$29.90	\$986.70
3	202	23000	PAVEMENT REMOVED	SY	697	\$11.70	\$8,154.90
4	202	30000	WALK REMOVED	SQ FT	408	\$9.10	\$3,712.80
5	202	32000	CURB REMOVED	FT	201	\$9.10	\$1,829.10
6	202	38000	GUARDRAIL REMOVED	FT	63	\$3.90	\$245.70
7	203	10000	EXCAVATION	CU YD	38	\$18.20	\$691.60
8	203	20000	EMBANKMENT	CU YD	17	\$41.60	\$707.20
9	204	10000	SUBGRADE COMPACTION	CU YD	595	\$3.90	\$2,320.50
10	204	45000	PROOF ROLLING	hour	0.3	\$260.00	\$78.00
11	606	15100	GUARDRAIL, TYPE MGS WITH LONG POSTS	FT	63	\$27.30	\$1,719.90
12	606	26150	ANCHOR ASSEMBLY, MGS TYPE E	EACH	2	\$3,120.00	\$6,240.00
13	606	26550	ANCHOR ASSEMBLY, MGS TYPE T	EACH	2	\$1,300.00	\$2,600.00
14	606	35002	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	EACH	2	\$2,860.00	\$5,720.00
15	606	35102	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	EACH	2	\$1,300.00	\$2,600.00
16	608	52000	CURB RAMP	SQ FT	183	\$28.60	\$5,233.80
17	608	10000	4" CONCRETE WALK	SQ FT	372	\$18.20	\$6,770.40
18	609	26000	CURB, TYPE 6	FT	315	\$35.10	\$11,056.50
19	626	00102	BARRIER REFLECTOR, TYPE 1	EACH	10	\$13.00	\$130.00
20	690	50350	SPECIAL-MAILBOX REMOVED AND RESET	EACH	1	\$650.00	\$650.00
						SUBTOTAL	\$67,947.10
EROSION CONTROL							
20	659	00100	SOIL ANALYSIS TEST	EACH	2	\$162.50	\$325.00
21	659	00300	TOPSOIL	CU YD	42	\$130.00	\$5,460.00
22	659	10000	SEEDING AND MULCHING	SQ YD	374	\$9.10	\$3,403.40
23	659	14000	REPAIR SEEDING AND MULCHING	SQ YD	187	\$2.60	\$486.20
24	659	20000	COMMERCIAL FERTILIZER	TON	0.03	\$1,300.00	\$39.00
25	659	31000	LIME	ACRE	0.08	\$351.00	\$28.08
26	659	35000	WATER	MGAL	2	\$65.00	\$130.00
27	832	30000	EROSION CONTROL	EACH	5000	\$1.00	\$5,000.00
						SUBTOTAL	\$14,871.68
DRAINAGE							
28	611	00400	4" CONDUIT, TYPE E	FT	20	\$97.50	\$1,950.00
29	611	01400	6" CONDUIT, TYPE E	FT	20	\$97.50	\$1,950.00
						SUBTOTAL	\$3,900.00
PAVEMENT							
30	254	01000	PAVEMENT PLANING, ASPHALT CONCRETE	SQ YD	443	\$2.60	\$1,151.80
31	301	46000	ASPHALT CONCRETE BASE, PG64-22	CU YD	102	\$284.70	\$29,039.40
32	304	20000	AGGREGATE BASE	CU YD	115	\$88.40	\$10,166.00
33	407	10000	TACK COAT	GALLON	103	\$2.60	\$267.80
34	441	50000	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	CU YD	28	\$253.50	\$7,098.00

ENGINEER'S ESTIMATE

REF NO.	ITEM	ITEM EXT	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
35	441	50300	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	CU YD	38	\$266.50	\$10,127.00
36	452	12010	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	SQ YD	71	\$111.80	\$7,937.80
						SUBTOTAL	\$65,787.80
			TRAFFIC CONTROL				
37	644	00100	EDGE LINE, 4"	MILE	0.08	\$4,160.00	\$332.80
38	644	00200	LANE LINE, 4"	MILE	0.04	\$2,080.00	\$83.20
39	644	00300	CENTERLINE	MILE	0.04	\$6,240.00	\$249.60
40	644	00400	CHANNELIZING LINE, 8"	FT	1000	\$2.60	\$2,600.00
41	644	01300	LANE ARROW	EACH	1	\$130.00	\$130.00
						SUBTOTAL	\$3,395.60
			STRUCTURE OVER 20 FEET				
42	202	11002	STRUCTURE REMOVED, OVER 20 FOOT SPAN	LUMP	1	\$99,000.00	\$99,000.00
43	202	23500	WEARING COURSE REMOVED	SQ YD	184	\$19.50	\$3,588.00
45	503	21300	UNCLASSIFIED EXCAVATION	LUMP	1	\$3,900.00	\$3,900.00
46	509	10000	EPOXY COATED REINFORCING STEEL	POUND	8000	\$2.60	\$20,800.00
47	510	10000	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	EACH	100	\$26.00	\$2,600.00
48	511	32212	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	CU YD	60	\$1,950.00	\$117,000.00
49	511	34450	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	CU YD	16	\$1,950.00	\$31,200.00
50	511	45710	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT	CU YD	5	\$1,560.00	\$7,800.00
51	512	10050	SEALING OF CONCRETE SURFACES (NON-EPOXY)	SQ YD	64	\$39.00	\$2,496.00
52	512	10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	SQ YD	329	\$39.00	\$12,831.00
53	515	12011	PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB12-48	EACH	18	\$15,600.00	\$280,800.00
54	516	13600	1" PREFORMED EXPANSION JOINT FILLER	SQ FT	22	\$6.50	\$143.00
55	516	41100	1/8" PREFORMED BEARING PAD	EACH	72	\$26.00	\$1,872.00
56	516	43100	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE)	EACH	72	\$650.00	\$46,800.00
57	517	75120	RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING)	FT	70	\$390.00	\$27,300.00
58	518	21230	POROUS BACKFILL WITH GEOTEXTILE FABRIC	LUMP	1	\$3,900.00	\$3,900.00
59	518	22300	SPECIAL-DRIP STRIP	FT	70	\$130.00	\$9,100.00
59	518	40000	6" PERFORATED CORRUGATED PLASTIC PIPE	FT	246	\$13.00	\$3,198.00
60	518	40010	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	FT	40	\$13.00	\$520.00
61	601	32101	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER, AS PER PLAN	CY	145	\$162.50	\$23,562.50
62	844	10001	CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION, AS PER PLAN	SQ FT	10	\$650.00	\$6,500.00
63	846	00112	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	CU YD	80	\$975.00	\$78,000.00
						SUBTOTAL	\$782,910.50
			MAINTENANCE OF TRAFFIC				
71	614	11110	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	hour	100	\$107.90	\$10,790.00
72	614	12350	WORK ZONE IMPACT ATTENUATOR	EACH	4	\$3,250.00	\$13,000.00
73	614	13310	BARRIER REFLECTOR, TYPE 1	EACH	25	\$14.30	\$357.50
74	614	13360	OBJECT MARKER, TWO WAY	EACH	25	\$22.10	\$552.50
75	614	21000	WORK ZONE CENTER LINE, CLASS I	MILE	2	\$3,770.00	\$7,540.00
76	614	22000	WORK ZONE EDGE LINE, CLASS I, 4"	MILE	2	\$2,080.00	\$4,160.00
77	614	23000	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	FT	1660	\$2.60	\$4,316.00
78	614	24000	WORK ZONE DOTTED LINE, CLASS I	FT	1460	\$2.60	\$3,796.00
79	614	26000	WORK ZONE STOP LINE, CLASS I	FT	92	\$5.20	\$478.40
80	614	30000	WORK ZONE ARROW, CLASS I	EACH	29	\$79.30	\$2,299.70
81	615	20000	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	SQ YD	162	\$148.20	\$24,008.40

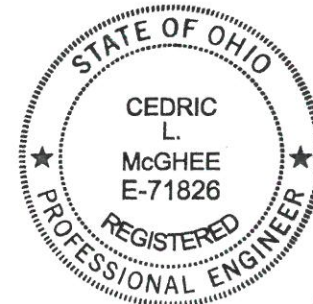
ENGINEER'S ESTIMATE

REF NO.	ITEM	ITEM EXT	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
82	616	10000	WATER	MGAL	2	\$46.80	\$93.60
83	622	41020	PORTABLE BARRIER, 32", BRIDGE MOUNTED	FT	124	\$26.00	\$3,224.00
84	622	41000	PORTABLE BARRIER, 32"	FT	635	\$24.70	\$15,684.50
						SUBTOTAL	\$90,300.60
			INCIDENTALS				
85	614	11000	MAINTAINING TRAFFIC	LUMP	1	\$52,000.00	\$52,000.00
86	623	10001	CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	LUMP	1	\$6,500.00	\$6,500.00
87	624	10000	MOBILIZATION	LUMP	1	\$112,386.72	\$112,386.72
						SUBTOTAL	\$170,886.72

ENGINEERS ESTIMATE

\$1,200,000

I HEREBY CERTIFY THIS ESTIMATE BASED ON THE REALISTIC COST OF MATERIAL, EQUIPMENT, AND LABOR AVAILABLE FOR THIS PROJECT. I, THEREFORE, SET MY SEAL AS EVIDENCE TO MY BEST ENGINEERING JUDGMENT.



Cedric L. McGhee
 7/25/22

A weighted useful life statement stamped/sealed and signed by a licensed professional engineer must be included with the project application.

This spreadsheet has formulas to make a weighted useful life calculation and is populated with an example for illustrative purposes. Items can be added to column a.

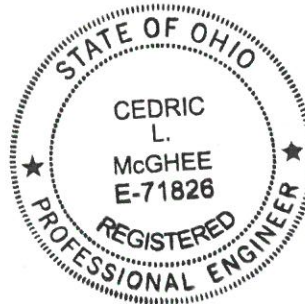
Weighted Useful Life & Design Service Capacity Calculations

Major Component	Cost (\$1,000)	Portion Repair / Replacement (%)	Repair / Replace Product	Useful Life (Years)	Useful Life Product
Full-depth road construction w/ drainage				25	
Full-depth road construction w/o drainage				25	
Partial-depth road construction w/ drainage	324.3	100	32430	15	4864.5
Partial-depth road construction w/o drainage				15	
Storm Sewers	3.9	100	390	40	156
Sanitary Sewers				40	
Water Lines				40	
Bridge	782.9	100	78290	75	58717.5
Pumps, Lift Stations				15	
Sidewalks	23.1	100	2310	25	577.5
Bike Facility				7	
Totals	1134.2		113420		64315.5

Weighted Useful Life: 56.7 Years

Design Service Capacity (Project Application, Section 2.0):

Portion Repair / Replace 100 %
 Portion New / Expansion %



Cedric L. McGhee
 7/25/22

OHIO PUBLIC WORKS COMMISSION DISTRICT 4

Round 2022-2023 Supplemental Questionnaire

Applicant: _____

Project Title: _____

Application Summary:

Briefly describe the project:

Priority:

Is this application your priority project? (Circle One)	
Yes	No

Generation of Revenue:

Will new user fees or assessments be assessed as part of this project? (Circle One)	
Yes	No
What will the new user fees or assessments be used for?	

Additional Funding:

Will OPWC match, in part, a committed grant or loan? (Circle One)	
Yes	No
If no, was the project submitted to an appropriate agency for funding, but denied due to lack of funding? (Circle One)	
Yes – Appropriate Documentation Attached	No

Readiness of Project:

Will this project be <u>substantially</u> underway on or before June 1, 2024? (Circle One)	
Yes	No

Health & Safety:

Describe the specific health or safety issue being addressed by this project. What deficiency or condition is causing the health or safety issue?

Addresses District Infrastructure Needs:

Is this project located in more than one community? (Circle One)		
Yes	No	
What percentage of the community will be served by this project? (Circle One)		
Less than 25%	25% to 40%	More than 40%

Economic Development

How many jobs are being created as a result of this project?	
How many jobs will be retained as a result of this project?	
Why is it necessary to fund this improvement to secure this development?	
What type of industry is proposed in this development?	

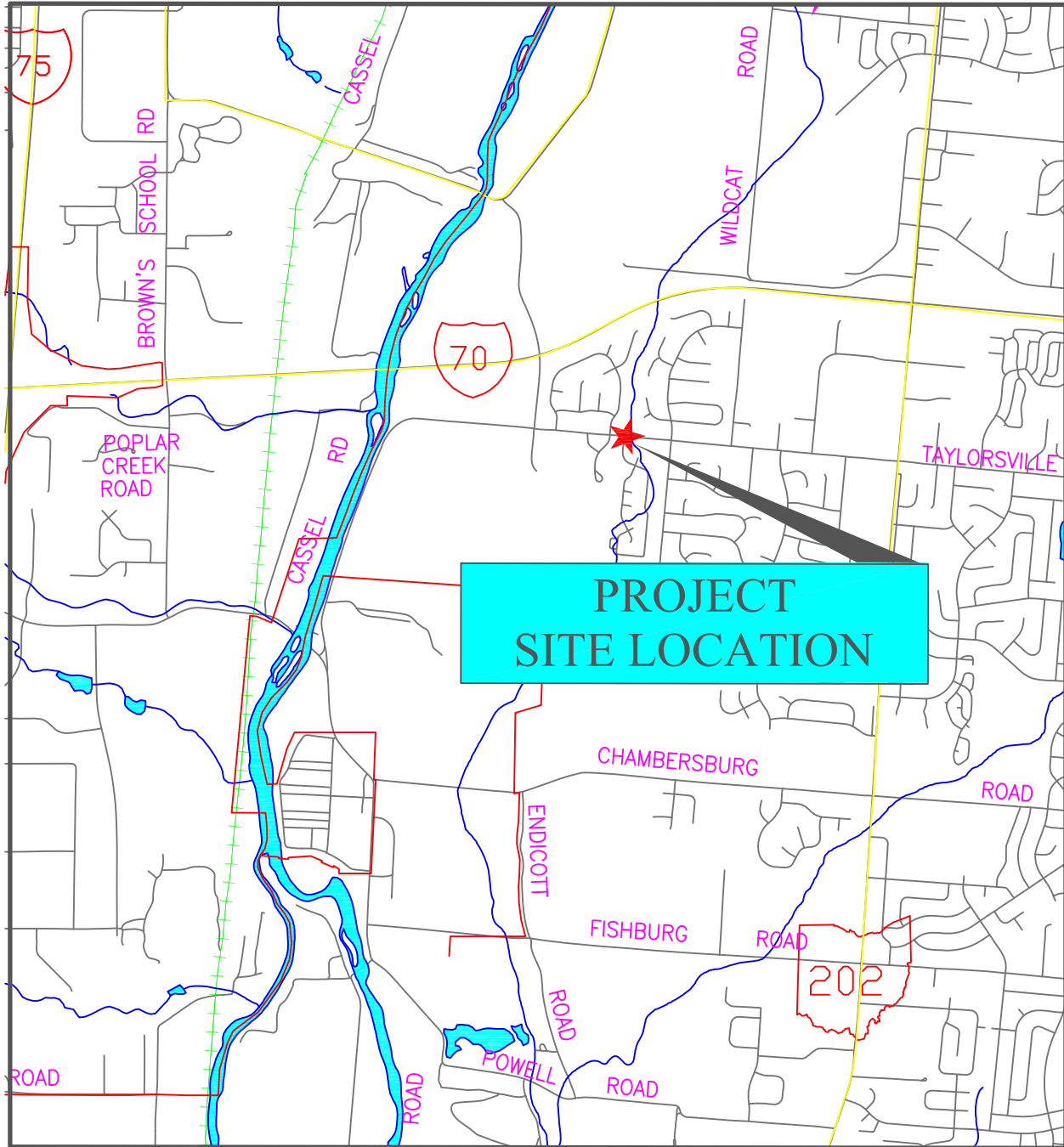
Relieve Existing Traffic Congestion:

What is the level of service?	
--------------------------------------	--

Other Factors

What other factors exist that make this project more important than other like projects?

TAYLORSVILLE ROAD BRIDGE #HUB-218-3.51,
RECONSTRUCTION PROJECT, JOB 2021-18
CITY OF HUBER HEIGHTS, MONTGOMERY COUNTY



AREA LOCATION MAP

Taylorsville Road

Application Photos

Taylorville Road Wearing Surface is in good condition. There are some minor cracks sealed. There is sidewalk and curb. There are aerial utilities that may need relocation during construction. There is moderate channel work, and clearing and grubbing. Traffic to be maintained.



Discoloration of concrete; lots of interior moisture in the beams; shear key damage between the beams; top of abutment cracked; exposed reinforcing steel



Some areas on the abutment wall have a major crack towards the top edge. The bridge is posted at 15 tons for 2 axle trucks.





BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

SFN	BRIDGE NUMBER	DISTRICT	GPS COORDINATES	
			LATITUDE:	LONGITUDE:
5770114	MOT-C0218-03.51	7	39 51' 49.48"	-84 09' 12.35"
ORIGINAL CONSTRUCTION YEAR	REHABILITATION YEAR	OVERALL STRUCTURE LENGTH	FEATURE INTERSECTED	
1970	1992	23ft	Wildcat Run	

SPECIAL ASSUMPTIONS & COMMENTS

The original bridge was widened in 1992 by addition of 4ft-wide beams to the existing 3ft-wide beams constructed in 1970. The 3ft-wide beams have are exhibiting spalling and delamination. Beams 11 and 12 have two exposed strands each. These strands are on the edge of the beam, so one additional adjacent strand was assumed to be ineffective because there is no strand adjacent to the edge strand.

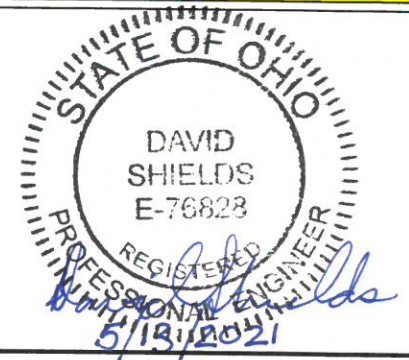
PLEASE SELECT ON RIGHT, WHERE APPROPRIATE, BY USING THE DROP DOWN ARROW BUTTON	
LOAD RATING PURPOSE :	5 - Deterioration or GA Dropped Below 5
GENERAL APPRAISAL (0-9) :	4
(708) LOAD RATING SOFTWARE :	3 - AASHTO BrR (VIRTIS)
SOFTWARE VERSION :	6.8.4.3001
(709) RATING SOURCE :	1 - Plan information available for load rating analysis
(63)(65) RATING METHOD :	8 - Load & Resistance Factor Rating (LRFR) reported by rating factor (RF)
(31) ORIGINAL DESIGN LOADING :	5 - HS20

STRUCTURE RATING SUMMARY

OHIO LEGAL VEHICLES				DESIGN VEHICLE																							
Loading Type	GVW (Tons)	Operating Rating RF	Legal Weight (Tons)	Loading Type	Rating by RF																						
					Operating	Inventory																					
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EV3	43	0.939	40.38																								

AGENCY/FIRM/OFFICE	Montgomery County Engineer	Report Date	5/13/2020
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	Rated By	Reviewed By
Name:	David D. Shields	Cedric L. McGhee
PE Number:	76828	71826
Phone Number:	(937) 496-6545	(937) 225-4817
Email:	shieldsd@mcoho.org	mcgheec@mcoho.org



Bridge Rating Results Report

Bridge Id	Vehicle	Rating Level	Rating Factor	Rating Method	Capacity (Ton)	Time Stamp	Rated By	Impact	Lane	Up To Date	DB
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**RESOLUTION NO. 21-0592
MAY 25, 2021**

RESOLUTION AUTHORIZING THE COUNTY ENGINEER TO POST VEHICLE WEIGHT LIMITS FOR THE TAYLORSVILLE ROAD BRIDGE OVER WILDCAT RUN, MOT-C0218-03.51, SFN 5770114, CITY OF HUBER HEIGHTS.

WHEREAS, Under 23 CFR 650.313(c), all highway bridges must be load rated and, if necessary, posted in accordance with the AASHTO Manual for Bridge Evaluation; and

WHEREAS, in accordance with Ohio Revised Code Section 5591.42, load limits must be placed on a bridge where the safe carrying capacity is ascertained to be less than the prescribed load limit; and

WHEREAS, load rating calculations performed by a consultant determined that the safe carrying capacity of the bridge on Taylorsville Road over Wildcat Run is less than the prescribed load limit; and

WHEREAS, the Montgomery County Engineer requests that the Honorable Board authorize the County Engineer to post the following vehicle weight limits on the subject bridge:

Vehicle	Weight Limit
Ohio Legal - 2 Axle	15 ton
Ohio Legal - 3 Axle	23 ton
Ohio Legal - 4 Axle	27 ton
Ohio Legal - 5 Axle	31 ton
Ohio Legal - 6+ Axle	34 ton
Ohio Legal - 5C1	40 ton; and

WHEREAS, upon authorization the Montgomery County Engineer will carry out the posting of vehicle weight limits.

DDS:ee

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Montgomery County, Ohio that the County Engineer is authorized to post Vehicle Weight Limits for the Taylorsville Road Bridge over Wildcat Run, MOT-C0218-03.51, SFN 5770114, City of Huber Heights, in accordance with the Ohio Revised Code and the Code of Federal Regulations to provide continued safety for the public and to prevent damage to the structure.

BE IT FURTHER RESOLVED that the Clerk shall certify a copy of this resolution to the County Engineer. The County Engineer shall forward a copy of the certified resolution to the City of Huber Heights. This Resolution is available on the Montgomery County, Ohio, website at <http://www.mcoho.org>.



RESOLUTION NO: 21-0592
MAY 25, 2021

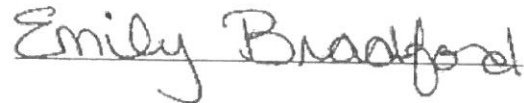
CERTIFICATE

Mrs. Rice moved the adoption of the foregoing resolution. It was seconded by Mrs. Lieberman, and upon call of the roll the following vote resulted:

Mrs. Rice, aye; Mrs. Lieberman, aye; Ms. Dodge, aye: Carried.

I hereby certify that the foregoing is a true and correct copy of a resolution duly adopted by the Board of County Commissioners of Montgomery County, Ohio, on the 25th day of May, 2021.

THE BOARD OF COUNTY COMMISSIONERS HEREBY FINDS AND DETERMINES THAT ALL FORMAL ACTIONS RELATIVE TO THE ADOPTION OF THIS RESOLUTION WERE TAKEN IN AN OPEN MEETING OF THIS BOARD OF COUNTY COMMISSIONERS, AND THAT ALL DELIBERATIONS OF THIS BOARD OF COUNTY COMMISSIONERS, AND OF ITS COMMITTEES, IF ANY WHICH RESULTED IN FORMAL ACTION, WERE TAKEN IN MEETINGS OPEN TO THE PUBLIC, IN FULL COMPLIANCE WITH APPLICABLE LEGAL REQUIREMENTS, INCLUDING SECTION 121.22 OF THE REVISED CODE.



Emily Bradford, Clerk
Board of County Commissioners
Montgomery County, Ohio



BRIDGE LOAD RATING SUMMARY REPORT

OFFICE OF STRUCTURAL ENGINEERING

OHIO DEPARTMENT OF TRANSPORTATION

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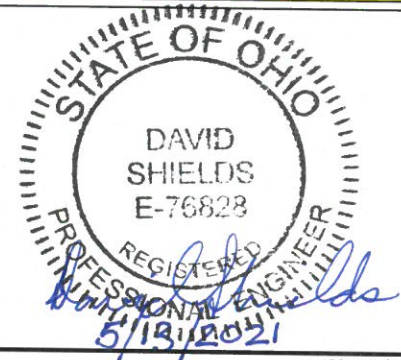
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AGENCY/FIRM/OFFICE	Montgomery County Engineer	Report Date	5/13/2020
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	Rated By	Reviewed By
Name:	David D. Shields	Cedric L. McGhee <i>[Signature]</i>
PE Number:	76828	71826
Phone Number:	(937) 496-6545	(937) 225-4817
Email:	shieldsd@mcohio.org	mcgheec@mcohio.org



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Montgomery County Engineer's Office Traffic Department

Location : Taylorsville Road
 Cross Street : at HUB-218-3.51
 By : KRL

Site: 22 622
 8/23/2022
 Tuesday

24 Hour Volume

Interval Start	Eastbound	Westbound	Combined	Interval Start	Eastbound	Westbound	Combined																																																																					
8:00 AM	53	222	275	8:00 PM	59	220	279	<div style="text-align: right; margin-bottom: 10px;">Volume Totals</div> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%;">Eastbound</th> <th style="width: 20%;">Westbound</th> <th style="width: 30%;">Combined</th> </tr> </thead> <tbody> <tr> <td>12:00 AM - 12:00 PM</td> <td>1417</td> <td>1568</td> <td>2985</td> </tr> <tr> <td></td> <td>(47.5%)</td> <td>(52.5%)</td> <td></td> </tr> <tr> <td>12:00 PM - 12:00 AM</td> <td>3499</td> <td>4358</td> <td>7857</td> </tr> <tr> <td></td> <td>(44.5%)</td> <td>(55.5%)</td> <td></td> </tr> <tr> <td>24 Hours</td> <td>4916</td> <td>5926</td> <td>10842</td> </tr> <tr> <td></td> <td>(45.3%)</td> <td>(54.7%)</td> <td></td> </tr> </tbody> </table> <div style="text-align: right; margin-top: 10px;">Peak Hours</div> <div style="text-align: right; margin-bottom: 10px;">12:00 AM - 12:00 PM</div> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%;">Eastbound</th> <th style="width: 20%;">Westbound</th> <th style="width: 30%;">Combined</th> </tr> </thead> <tbody> <tr> <td>Started</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10:45 AM</td> <td></td> <td>11:00 AM</td> <td>11:00 AM</td> </tr> <tr> <td>Volume</td> <td>309</td> <td>292</td> <td>599</td> </tr> <tr> <td>Factor</td> <td>0.94</td> <td>0.95</td> <td>0.96</td> </tr> </tbody> </table> <div style="text-align: right; margin-top: 10px;">12:00 PM - 12:00 AM</div> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%;">Eastbound</th> <th style="width: 20%;">Westbound</th> <th style="width: 30%;">Combined</th> </tr> </thead> <tbody> <tr> <td>Started</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4:30 PM</td> <td></td> <td>4:45 PM</td> <td>4:45 PM</td> </tr> <tr> <td>Volume</td> <td>506</td> <td>575</td> <td>1055</td> </tr> <tr> <td>Factor</td> <td>0.90</td> <td>0.87</td> <td>0.94</td> </tr> </tbody> </table>		Eastbound	Westbound	Combined	12:00 AM - 12:00 PM	1417	1568	2985		(47.5%)	(52.5%)		12:00 PM - 12:00 AM	3499	4358	7857		(44.5%)	(55.5%)		24 Hours	4916	5926	10842		(45.3%)	(54.7%)			Eastbound	Westbound	Combined	Started				10:45 AM		11:00 AM	11:00 AM	Volume	309	292	599	Factor	0.94	0.95	0.96		Eastbound	Westbound	Combined	Started				4:30 PM		4:45 PM	4:45 PM	Volume	506	575	1055	Factor	0.90	0.87	0.94
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9:45 AM	67		67	9:45 PM	24		24																																																																					
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10:30 AM	49		49	10:30 PM	17		17																																																																					
10:45 AM	81		81	10:45 PM	17		17																																																																					
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12:30 PM	80		80	12:30 AM	4		4																																																																					
12:45 PM	71		71	12:45 AM	6		6																																																																					
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4:30 PM	128		128	4:30 AM	7		7																																																																					
4:45 PM	112		112	4:45 AM	11		11																																																																					
5:00 PM	141	436	577	5:00 AM	2	27	29																																																																					
5:15 PM	125		125	5:15 AM	5		5																																																																					
5:30 PM	102		102	5:30 AM	9		9																																																																					
5:45 PM	68		68	5:45 AM	11		11																																																																					
6:00 PM	114	367	481	6:00 AM	15	80	95																																																																					
6:15 PM	88		88	6:15 AM	21		21																																																																					
6:30 PM	83		83	6:30 AM	16		16																																																																					
6:45 PM	82		82	6:45 AM	28		28																																																																					
7:00 PM	87	283	370	7:00 AM	26	190	216																																																																					
7:15 PM	60		60	7:15 AM	45		45																																																																					
7:30 PM	74		74	7:30 AM	58		58																																																																					
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Montgomery County Engineer's Office Traffic Department

Location : Taylorsville Road
 Cross Street : at HUB-218-3.51
 By : KRL

Site: 22 622
 8/23/2022
 Tuesday

24 Hour Classification

Eastbound

Interval Start	Total	Motor Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi
8:00 AM	222	4	145	54	6	8	1	0	4	0	0	0	0	0
9:00 AM	229	0	166	49	1	8	1	0	4	0	0	0	0	0
10:00 AM	267	7	170	61	6	15	3	0	4	1	0	0	0	0
11:00 AM	307	7	199	73	1	17	1	0	6	3	0	0	0	0
12:00 PM	346	7	223	85	3	23	3	0	2	0	0	0	0	0
1:00 PM	321	5	211	80	5	19	1	0	0	0	0	0	0	0
2:00 PM	370	8	258	82	1	19	0	0	2	0	0	0	0	0
3:00 PM	446	12	304	94	9	25	1	0	1	0	0	0	0	0
4:00 PM	464	10	328	92	9	20	1	0	4	0	0	0	0	0
5:00 PM	436	12	314	77	3	26	0	0	4	0	0	0	0	0
6:00 PM	367	11	269	76	1	9	1	0	0	0	0	0	0	0
7:00 PM	283	5	203	59	5	11	0	0	0	0	0	0	0	0
8:00 PM	220	2	167	43	1	7	0	0	0	0	0	0	0	0
9:00 PM	122	3	92	26	1	0	0	0	0	0	0	0	0	0
10:00 PM	77	2	61	11	2	1	0	0	0	0	0	0	0	0
11:00 PM	47	1	33	10	0	3	0	0	0	0	0	0	0	0
8/24/2022														
12:00 AM	27	2	21	4	0	0	0	0	0	0	0	0	0	0
1:00 AM	17	1	13	2	0	1	0	0	0	0	0	0	0	0
2:00 AM	22	1	15	5	0	1	0	0	0	0	0	0	0	0
3:00 AM	5	0	4	1	0	0	0	0	0	0	0	0	0	0
4:00 AM	24	0	23	1	0	0	0	0	0	0	0	0	0	0
5:00 AM	27	0	15	8	0	2	1	0	0	1	0	0	0	0
6:00 AM	80	0	50	22	3	4	0	0	1	0	0	0	0	0
7:00 AM	190	4	126	40	3	11	0	1	3	2	0	0	0	0
Total	4916	104	3410	1055	60	230	14	1	35	7	0	0	0	0
%		2.1	69.4	21.5	1.2	4.7	0.3	0.0	0.7	0.1	0.0	0.0	0.0	0.0

Montgomery County Engineer's Office Traffic Department

Location : Taylorsville Road
 Cross Street : at HUB-218-3.51
 By : KRL

Site: 22 622
 8/23/2022
 Tuesday

24 Hour Classification

Westbound

Interval Start	Total	Motor Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi
8:00 AM	213	1	142	44	6	18	1	0	1	0	0	0	0	0
9:00 AM	202	2	146	39	1	13	0	0	1	0	0	0	0	0
10:00 AM	240	4	147	64	3	19	0	0	3	0	0	0	0	0
11:00 AM	292	4	188	77	3	18	0	0	2	0	0	0	0	0
12:00 PM	492	5	258	180	7	36	1	0	5	0	0	0	0	0
1:00 PM	472	3	258	166	2	41	0	0	2	0	0	0	0	0
2:00 PM	442	7	237	149	8	40	0	0	1	0	0	0	0	0
3:00 PM	492	12	257	165	11	41	1	0	5	0	0	0	0	0
4:00 PM	569	10	285	204	11	55	1	0	3	0	0	0	0	0
5:00 PM	573	17	297	208	4	43	1	0	3	0	0	0	0	0
6:00 PM	530	13	268	198	5	44	0	0	2	0	0	0	0	0
7:00 PM	316	10	160	116	1	25	1	0	3	0	0	0	0	0
8:00 PM	230	3	159	60	0	7	0	0	1	0	0	0	0	0
9:00 PM	145	1	108	31	2	3	0	0	0	0	0	0	0	0
10:00 PM	54	0	44	10	0	0	0	0	0	0	0	0	0	0
11:00 PM	43	0	29	12	0	2	0	0	0	0	0	0	0	0
8/24/2022														
12:00 AM	21	0	17	4	0	0	0	0	0	0	0	0	0	0
1:00 AM	17	0	13	3	0	1	0	0	0	0	0	0	0	0
2:00 AM	8	0	7	1	0	0	0	0	0	0	0	0	0	0
3:00 AM	9	0	7	2	0	0	0	0	0	0	0	0	0	0
4:00 AM	42	4	22	10	0	5	1	0	0	0	0	0	0	0
5:00 AM	89	1	64	21	1	2	0	0	0	0	0	0	0	0
6:00 AM	146	0	96	41	1	8	0	0	0	0	0	0	0	0
7:00 AM	289	7	189	65	4	20	1	0	3	0	0	0	0	0
Total	5926	104	3398	1870	70	441	8	0	35	0	0	0	0	0
%		1.8	57.3	31.6	1.2	7.4	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0