



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: _____	Subdivision Code: _____
	District Number: _____ County: _____	Date: _____
	Contact: _____ <small>(The individual who will be available during business hours and who can best answer or coordinate the response to questions)</small>	Phone: _____
	Email: _____	FAX: _____

Project	Project Name: _____	Zip Code: _____	
	Subdivision Type	Project Type	Funding Request Summary
	_____	<small>(Select single largest component by \$)</small>	<small>(Automatically populates from page 2)</small>
	SFN	1. Road	Total Project Cost: _____ .00
	_____	2. Bridge/Culvert	1. Grant: _____ .00
		3. Water Supply	2. Loan: _____ .00
	4. Wastewater	3. Loan Assistance/ Credit Enhancement: _____ .00	
	5. Solid Waste		
	6. Stormwater	Funding Requested: _____ .00	

District Recommendation (To be completed by the District Committee)

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

For OPWC Use Only

STATUS	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)

SCIP Financials

1.1 Project Estimated Costs

Engineering Services

Preliminary / Final Design: _____ .00

Construction Administration: _____ .00

Total Engineering Services: a.) _____ .00 _____ %

Right of Way: b.) _____ .00

Construction: c.) _____ .00

Permits, Advertising, Legal: e.) _____ .00

Construction Contingencies: f.) _____ .00

Total Estimated Costs: g.) _____ .00

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account: a.) _____ .00

Local Revenues: b.) _____ .00

Other Public Revenues:

Local / ODOT - Let: _____ d.) _____ .00

ODOT PID: _____

OEPA / OWDA: e.) _____ .00

CDBG: f.) _____ .00

Other: _____ g.) _____ .00

Subtotal Local Resources: i.) _____ .00 _____ %

OPWC Funds (Check all requested and enter Amount)

Grant: _____ % of OPWC Funds j.) _____ .00

Loan: _____ % of OPWC Funds k.) _____ .00 _____ yrs

Loan Assistance / Credit Enhancement: l.) _____ .00

Subtotal OPWC Funds: m.) _____ .00 _____ %

Total Financial Resources: n.) _____ .00 _____ %

OPWC Project Financial Information

Subdivision: Montgomery County

LTIP Financials

Project Name: Wellbaum Road Bridge Rehabilitation, CLY-233-2.05

Project Estimated Costs

(All Costs Rounded to Nearest Dollar)

Engineering Services

Estimated Engineering:	<u>0</u>	.00		
Construction Administration:	<u>10,000</u>	.00		
Total Engineering Services:			<u>10,000</u>	.00 <u>2.7</u> %
Right of Way:			<u>10,000</u>	.00
Construction:			<u>364,000</u>	.00
Permits, Advertising, Legal:			<u>10,000</u>	.00
Construction Contingencies:			<u>36,000</u>	.00 <u>9.9</u> %
Total Estimated Costs:			<u>430,000</u>	.00

Project Financial Resources

Local Resources

Local In-Kind or Force Account:			<u> </u>	.00
Local Revenues:			<u>323,000</u>	.00
Other Public Revenues:				
ODOT / FHWA PID:	<u> </u>		<u> </u>	.00
OEPA / OWDA:			<u> </u>	.00
Other:	<u> </u>		<u> </u>	.00
Subtotal Local Resources:			<u>323,000</u>	.00 <u>75.1</u> %

OPWC Funds

Grant:	<u>100</u> % of OPWC Funds		<u>107,000</u>	.00
Loan:	<u>0</u> % of OPWC Funds		<u> </u>	.00
Loan Assistance / Credit Enhancement:			<u>0</u>	.00
Subtotal OPWC Funds:			<u>107,000</u>	.00 <u>24.9</u> %
Total Financial Resources:			<u>430,000</u>	.00 <u>100.0</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: _____ .00

3.0 Project Schedule

3.1 Engineering / Design / Right of Way Begin Date: _____ End Date: _____

3.2 Bid Advertisement and Award Begin Date: _____ End Date: _____

3.3 Construction Begin Date: _____ End Date: _____

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: _____ Years Age: _____ (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 _____ Year _____

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

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

Residential Wastewater Rate Current \$ _____ 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.

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

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

D. How do you intend to promote this project? 1000 character limit.

E: Additional Notes From Applicant - 1000 character limit.

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: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

FAX: _____

E-Mail: _____

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

Name: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

FAX: _____

E-Mail: _____

5.3 Project Manager

Name: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

FAX: _____

E-Mail: _____

6.0 Attachments / Completeness review

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

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.

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.

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-IIV, "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.

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. 23-1027
AUGUST 08, 2023**

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 FISCAL YEAR 2025, 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 Fiscal Year 2025; 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 Fiscal Year 2025; 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: 23-1027
AUGUST 08, 2023**

CERTIFICATE

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

Ms. Dodge, aye; Mrs. Rice, aye; Mrs. Lieberman, 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 8th day of August, 2023.

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



Exhibit A

Ohio Public Works Commission (OPWC) Round 2023-2024 State Capital Improvement Program (SCIP) and Local Transportation Improvement Project (LTIP) Applications

OPWC SCIP Project Application	Job Number	Program Manager	SCIP Total Project Costs	Total SCIP Request	SCIP Grant Request	SCIP Loan Request	MCEO Road A&G	Funds for Others Sources	SCIP Loan Term
Dayton-Cincinnati Retaining Wall	2020-07	Rick Splawinski	\$ 1,300,000	\$ 500,000	\$ 325,000	\$ 175,000	\$ 800,000	\$ -	10-years
Shank (MOR-44-4.80; PID 113925)	2020-23	Cedric McGhee	\$ 1,613,000	\$ 200,000	\$ 100,000	\$ 100,000	\$ 373,000	\$ 1,040,000	5-years
Wilmington Pike (KET-85-1.59)	2023-10	Henry Brierton	\$ 1,084,000	\$ 500,000	\$ 125,000	\$ 375,000	\$ 584,000	\$ -	10-years
Lutheran Church Road (JEF-19-3.83)	2022-27	David Shields	\$ 237,300	\$ 200,000	\$ 50,000	\$ 150,000	\$ 37,300	\$ -	5-years
Wellbaum Road (CLY-T0223-02.05)	2023-08	Brierton	\$ 430,000	\$ 200,000	\$ 100,000	\$ 100,000	\$ 230,000	\$ -	5-years
Amity Road (PER-T0056-2.00)	2023-05	Shields	\$ 483,500	\$ 200,000	\$ 100,000	\$ 100,000	\$ 283,500	\$ -	5-years
Social Row Road Widening, Phases 1 & 2 (PID 113360)	2020-17	Joe Dura	\$ 7,700,000	\$ 2,000,000	\$ 1,500,000	\$ 500,000	\$ 1,125,812	\$ 4,574,188	10-years

OPWC LTIP Project Application	Job Number	Program Manager	LTIP Total Project Costs	LTIP Grant Request		MCEO Road A&G	Funds for Others Sources	
Dayton-Cincinnati Retaining Wall	2020-07	Rick Splawinski	\$ 1,300,000	\$ 400,000		\$ 900,000	\$ -	
Shank (MOR-44-4.80; PID 113925)	2020-23	Cedric McGhee	\$ 1,613,000	\$ 400,000		\$ 173,000	\$ 1,040,000	
Wilmington Pike (KET-85-1.59)	2023-10	Henry Brierton	\$ 1,084,000	\$ 400,000		\$ 684,000	\$ -	
Lutheran Church Road (JEF-19-3.83)	2022-27	David Shields	\$ 237,300	\$ 118,650		\$ 118,650	\$ -	
Wellbaum Road (CLY-T0223-02.05)	2023-08	Henry Brierton	\$ 430,000	\$ 107,500		\$ 322,500	\$ -	
Amity Road (PER-T0056-2.00)	2023-05	David Shields	\$ 483,500	\$ 120,875		\$ 362,625	\$ -	
Social Row Road Widening, Phases 1 & 2 (PID 113360)	2019-10	Joe Dura	\$ 7,700,000	\$ 1,100,000		\$ 2,025,812	\$ 4,574,188	

**MONTGOMERY COUNTY ENGINEER'S OFFICE
CHIEF FINANCIAL OFFICERS CERTIFICATION**

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 \$330,000 available in the Road A&G Fund and that this amount will be used to repay the SCIP or RLP loan requested for the Wellbaum Road, CLY-233-2.05, Bridge Rehabilitation Project, Job #2023-08, over a 10-year term.

Fiscal Year: FY25

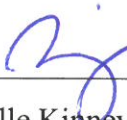
Project Name: Wellbaum Road, CLY-233-2.05, Bridge Rehabilitation Project

Loan Amount: \$100,000.00

Grant Amount: \$100,000.00

Road A&G: \$230,000.00

These funds will be available for use July 1, 2024, immediately after formal project approval.



Ronelle Kinney, Comptroller
Montgomery County Engineer's Office

Date: 8/2/23

**MONTGOMERY COUNTY ENGINEER'S OFFICE
CHIEF FINANCIAL OFFICERS CERTIFICATION**

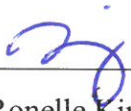
I, Ronelle Kinney, Comptroller of the Montgomery County Engineer's Office, hereby certify that the Montgomery County Engineer's Office will have the amount of \$323,000 available in the Road A&G Fund. This amount will be added to the LTIP grant amount of \$107,000 requested for the Wellbaum Road, CLY-233-2.05, Bridge Rehabilitation Project, Job #2023-08.

Fiscal Year: FY25

Project Name: Wellbaum Road, CLY-233-2.05, Bridge Rehabilitation Project

Grant Amount: \$107,000.00
Road A&G: \$323,000.00

These funds will be available for use July 1, 2024, immediately after formal project approval.



Ronelle Kinney, Comptroller
Montgomery County Engineer's Office

Date: 8/2/23

Wellbaum Road Bridge Rehabilitation: CLY-233-2.05

ENGINEER'S ESTIMATE

Group	Ref No.	Item	Unit	Item Description	Supplemental Description	Quantity	Unit Price	Total
ROADWAY	1	201E11000	LS	CLEARING AND GRUBBING		1	\$5,106.58	\$5,106.58
ROADWAY	2	202E23000	SY	PAVEMENT REMOVED		219	\$23.28	\$5,098.32
ROADWAY	3	202E38000	FT	GUARDRAIL REMOVED		345	\$2.60	\$897.00
ROADWAY	4	204E10000	SY	SUBGRADE COMPACTION		219	\$3.38	\$740.22
ROADWAY	5	255E20000	FT	FULL DEPTH PAVEMENT SAWING		48	\$5.00	\$240.00
ROADWAY	6	606E15050	FT	GUARDRAIL, TYPE MGS		287.5	\$24.93	\$7,167.38
ROADWAY	7	606E26050	EACH	ANCHOR ASSEMBLY, MGS TYPE B		4	\$2,202.37	\$8,809.48
EROSION CONTROL	8	659E00300	CY	TOPSOIL		7	\$118.59	\$830.13
EROSION CONTROL	9	659E00510	SY	SEEDING AND MULCHING, CLASS 2		56	\$0.83	\$46.48
EROSION CONTROL	10	659E20000	TON	COMMERCIAL FERTILIZER		1	\$636.60	\$636.60
EROSION CONTROL	11	659E35000	MGAL	WATER		1	\$2.37	\$2.37
EROSION CONTROL	12	832E30000	EACH	EROSION CONTROL		5000	\$1.00	\$5,000.00
PAVEMENT	13	301E56000	CY	ASPHALT CONCRETE BASE, PG64-22, (449)		14	\$386.39	\$5,409.46
PAVEMENT	14	304E20000	CY	AGGREGATE BASE		37	\$91.86	\$3,398.82
PAVEMENT	15	407E10000	GAL	TACK COAT		13	\$2.56	\$33.28
PAVEMENT	16	441E70000	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22		5	\$189.47	\$947.35
PAVEMENT	17	441E70300	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)		7	\$436.33	\$3,054.31
STRUCTURE	18	202E11203	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN		1	\$50,000.00	\$50,000.00
STRUCTURE	19	503E21100	CY	UNCLASSIFIED EXCAVATION		67	\$73.69	\$4,937.23
STRUCTURE	20	509E10000	LB	EPOXY COATED STEEL REINFORCEMENT		4798	\$2.57	\$12,330.86
STRUCTURE	21	511E34445	CY	CLASS QC2 CONCRETE, BRIDGE DECK, AS PER PLAN		21.5	\$2,000.00	\$43,000.00
STRUCTURE	22	511E45713	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT, AS PER PLAN		7.10	\$2,000.00	\$14,200.00
STRUCTURE	23	512E10100	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		158	\$30.49	\$4,817.42
STRUCTURE	24	515E10031	EACH	PRESTRESSED CONCRETE NON-COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, B17-48, AS PER PLAN	42' LONG	6	\$15,000.00	\$90,000.00
STRUCTURE	25	516E13600	SF	1" PREFORMED EXPANSION JOINT FILLER		3	\$31.69	\$95.07
STRUCTURE	26	516E42000	EACH	ELASTOMERIC BEARING PAD, MISC.:	1/8" SHIMS	12	\$250.00	\$3,000.00
STRUCTURE	27	516E43100	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE)		12	\$250.00	\$3,000.00
STRUCTURE	28	517E70000	FT	RAILING (TWIN STEEL TUBE)		87.5	\$172.43	\$15,087.63
STRUCTURE	29	518E21200	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC		29	\$98.81	\$2,865.49
STRUCTURE	30	518E22300	FT	SPECIAL - STEEL DRIP STRIP		86	\$14.60	\$1,255.60
STRUCTURE	31	518E40000	FT	6" PERFORATED CORRUGATED PLASTIC PIPE		73	\$9.84	\$718.32
STRUCTURE	32	518E40010	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS		40	\$14.45	\$578.00
STRUCTURE	33	526E10000	SY	REINFORCED CONCRETE APPROACH SLABS (T=12")		80	\$273.46	\$21,876.80
STRUCTURE	35	601E32200	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER		54	\$153.74	\$8,301.96
STRUCTURE	36	846E00110	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		21	\$500.85	\$10,517.85
INCIDENTALS	37	614E11000	LS	MAINTAINING TRAFFIC		1	\$10,000.00	\$10,000.00
INCIDENTALS	38	614E12420	LS	DETOUR SIGNING		1	\$5,000.00	\$5,000.00
INCIDENTALS	39	623E10000	LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING		1	\$5,000.00	\$5,000.00
INCIDENTALS	40	624E10000	LS	MOBILIZATION		1	\$10,000.00	\$10,000.00

CERTIFICATION



Henry Brierton

Henry Brierton
Ohio Engineer's License #86618

08/01/2023

Date

Sub Total = \$364,000.00

Grand Total = \$364,000.00

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	77	100	7700	25	1925
Partial-depth road construction w/ drainage				15	
Partial-depth road construction w/o drainage				15	
Storm Sewers				40	
Sanitary Sewers				40	
Water Lines				40	
Bridge*	287	100	28700	40	11480
Pumps, Lift Stations				15	
Sidewalks				25	
Bike Facility				7	

Totals	364	36400	13405
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Weighted Useful Life: 36.8 Years

Design Service Capacity (Project Application, Section 2.0):

Portion Repair / Replace	100 %
Portion New / Expansion	%

*Bridge life span is limited by the existing substructures to remain. Substructures have an estimated life of 100 years and are currently 60 years old. Therefore, 40 years remain.

USEFUL LIFE CERTIFICATION

I hereby certify that this project has an expected useful life of normal usage in this specific situation; in evidence, whereof, I have set my signature and seal as of this date.



Henry Brierton, P.E.
Ohio Engineer's License #86618

08/01/2023

Date



OHIO PUBLIC WORKS COMMISSION

DISTRICT 4

FY25 Supplemental Questionnaire

Applicant: Montgomery County Engineer

Project Title: Wellbaum Road Bridge Rehabilitation, CLY-233-2.05

Application Summary:

Briefly describe the project:

The Wellbaum Road Bridge is located in Clay Township, Ohio, 0.25 miles north of I-70. The bridge carries two lanes of north/south traffic on Wellbaum Road and spans 42 feet over Razor Run. The most recent bridge inspection in August 2022 reported a General Appraisal of 5 – Fair, due to the condition of the box beam superstructure.

The intent of the project is to replace the superstructure of the existing Wellbaum Road Bridge over Razor Run. The existing box beams and asphalt overlay shall be removed and replaced with new box beams and composite concrete deck. Roadway work will be minimal, consisting of approach slabs and pavement transitions at the bridge, as well as guardrail removal/reconstruction. Minor repairs and modifications will be made to the existing abutments to accommodate the new superstructure and extend the overall life of the bridge.

Priority:

Is this application your priority project? (Circle One)	
Yes <input type="radio"/>	No <input checked="" type="radio"/>

Generation of Revenue:

Will new user fees or assessments be assessed as part of this project? (Circle One)	
Yes <input type="radio"/>	No <input checked="" type="radio"/>
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 <input type="radio"/>	No <input checked="" type="radio"/>
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 <input type="radio"/>	No <input checked="" type="radio"/>

Readiness of Project:

Will this project be <u>substantially</u> underway on or before June 1, 2025? (Circle One)	
Yes <input checked="" type="radio"/>	No <input type="radio"/>

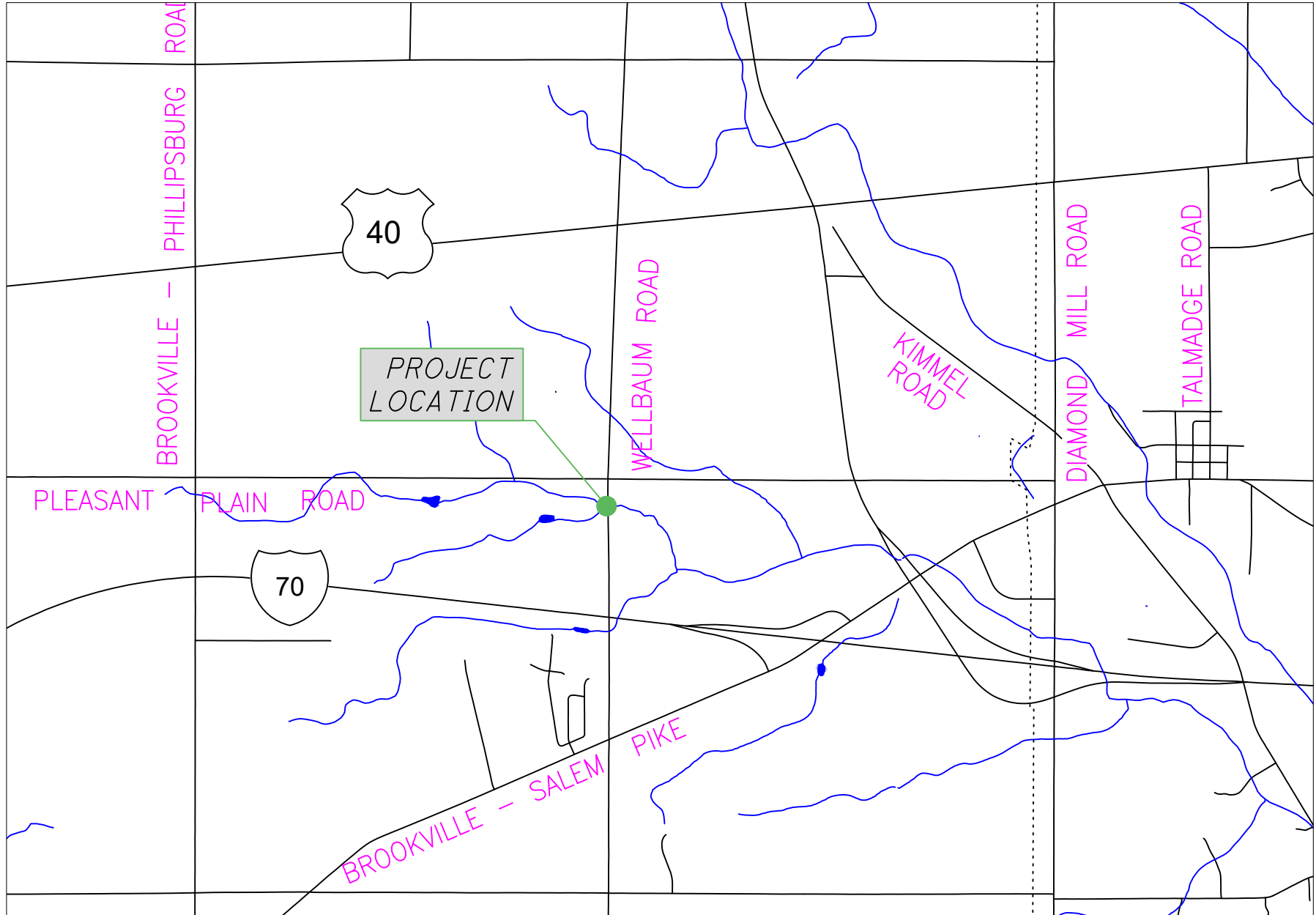
Health & Safety:

Describe the specific health or safety issue being addressed by this project. What deficiency or condition is causing the health or safety issue?
<p>The most recent bridge inspection in August 2022 reported a General Appraisal of 5 – Fair, due to the condition of the box beam superstructure. The exterior beams have several large spalls where the guardrail posts are attached, and spalling is also present on the bottoms of the interior beams. The bottoms of the beams show efflorescence and rust staining, indicating that moisture is actively penetrating superstructure. Due to an asphalt overlay, the top of the beams cannot be observed. The existing abutment walls are in good condition with a few small, isolated spalls and cracks.</p>

Other Factors

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

WELLBAUM ROAD, CLY-233-2.05 BRIDGE REHABILITATION LOCATION MAP



WELLBAUM ROAD, CLY-233-2.05
BRIDGE REHABILITATION
CONDITION STATE OBSERVATIONS

OPWC FY24 DISTRICT 4
APPLICATION



Profile View of the Wellbaum Road Bridge over the Razor Run as seen from the West Looking East

WELLBAUM ROAD, CLY-233-2.05
BRIDGE REHABILITATION
CONDITION STATE OBSERVATIONS

OPWC FY24 DISTRICT 4
APPLICATION



Wellbaum Road Looking South



West Guardrail Looking North



East Guardrail Looking North

WELLBAUM ROAD, CLY-233-2.05
BRIDGE REHABILITATION
CONDITION STATE OBSERVATIONS

OPWC FY24 DISTRICT 4
APPLICATION



West Guardrail & Exterior Beam Spalling

WELLBAUM ROAD, CLY-233-2.05
BRIDGE REHABILITATION
CONDITION STATE OBSERVATIONS

OPWC FY24 DISTRICT 4
APPLICATION



West Guardrail Connection



East Guardrail Connection



East Guardrail Connection

WELLBAUM ROAD, CLY-233-2.05
BRIDGE REHABILITATION
CONDITION STATE OBSERVATIONS

OPWC FY24 DISTRICT 4
APPLICATION



South Abutment & Beams



Interior Beam Spall



East Exterior Beam Efflorescence



West Exterior Beam Efflorescence

Montgomery County Engineer's Office Traffic Department

Location : Wellbaum Road
 Cross Street : at CLY.23-2.05
 Location : KRL

Site: 23 126
 3/20/2023
 Monday

24 Hour Volume

Interval Start	Northbound	Southbound	Combined	Interval Start	Northbound	Southbound	Combined			
9:30 AM	1	0	1	9:30 PM	1	0	1	Volume Totals		
9:45 AM	0	2	2	9:45 PM	0	0	0	Northbound	Southbound	Combined
10:00 AM	2	3	4	10:00 PM	1	2	3	12:00 AM - 12:00 PM		
10:15 AM	0	0	0	10:15 PM	0	0	0	47	45	92
10:30 AM	0	2	2	10:30 PM	1	0	1	(51.1%)	(48.9%)	
10:45 AM	1	0	1	10:45 PM	0	1	1	12:00 PM - 12:00 AM		
11:00 AM	3	10	13	11:00 PM	0	2	2	94	92	186
11:15 AM	2	3	5	11:15 PM	1	0	1	(50.5%)	(49.5%)	
11:30 AM	3	3	6	11:30 PM	0	0	0	24 Hours		
11:45 AM	2	4	6	11:45 PM	1	0	1	141	137	278
12:00 PM	1	8	9	3/21/2023 12:00 AM	0	0	0	(50.7%)	(49.3%)	
12:15 PM	3	3	6	12:15 AM	0	0	0			
12:30 PM	2	1	3	12:30 AM	0	0	0			
12:45 PM	2	0	2	12:45 AM	0	0	0			
1:00 PM	1	12	13	1:00 AM	0	0	0			
1:15 PM	1	1	2	1:15 AM	0	0	0			
1:30 PM	4	3	7	1:30 AM	0	0	0			
1:45 PM	6	1	7	1:45 AM	0	0	0			
2:00 PM	1	7	8	2:00 AM	0	1	1			
2:15 PM	3	3	6	2:15 AM	0	0	0			
2:30 PM	1	5	6	2:30 AM	1	0	1			
2:45 PM	2	4	6	2:45 AM	0	0	0			
3:00 PM	3	13	16	3:00 AM	0	0	0			
3:15 PM	5	4	9	3:15 AM	0	0	0			
3:30 PM	2	2	4	3:30 AM	0	0	0			
3:45 PM	3	3	6	3:45 AM	0	0	0			
4:00 PM	4	16	20	4:00 AM	0	0	0			
4:15 PM	4	5	9	4:15 AM	0	0	0			
4:30 PM	2	6	8	4:30 AM	0	8	8			
4:45 PM	6	1	7	4:45 AM	0	0	0			
5:00 PM	4	13	17	5:00 AM	0	0	0			
5:15 PM	3	0	3	5:15 AM	0	0	0			
5:30 PM	3	2	5	5:30 AM	0	0	0			
5:45 PM	3	5	8	5:45 AM	0	0	0			
6:00 PM	4	9	13	6:00 AM	0	4	4			
6:15 PM	0	3	3	6:15 AM	1	0	1			
6:30 PM	5	5	10	6:30 AM	1	2	3			
6:45 PM	0	0	0	6:45 AM	2	3	5			
7:00 PM	0	4	4	7:00 AM	2	7	9			
7:15 PM	2	3	5	7:15 AM	2	2	4			
7:30 PM	1	0	1	7:30 AM	2	2	4			
7:45 PM	1	3	4	7:45 AM	1	3	4			
8:00 PM	1	4	5	8:00 AM	2	10	12			
8:15 PM	3	3	6	8:15 AM	6	2	8			
8:30 PM	0	0	0	8:30 AM	1	1	2			
8:45 PM	0	1	1	8:45 AM	1	5	6			
9:00 PM	0	4	4	9:00 AM	8	11	19			
9:15 PM	3	2	5	9:15 AM	3	2	5			

Montgomery County Engineer's Office Traffic Department

Location : Wellbaum Road
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 Location : KRL

Site: 23 126
 3/20/2023
 Monday

24 Hour Classification

Northbound

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
10:00 AM	3	0	1	1	0	1	0	0	0	0	0	0	0	0
11:00 AM	10	0	5	3	0	1	0	0	1	0	0	0	0	0
12:00 PM	8	0	5	3	0	0	0	0	0	0	0	0	0	0
1:00 PM	12	0	8	2	0	2	0	0	0	0	0	0	0	0
2:00 PM	7	0	3	4	0	0	0	0	0	0	0	0	0	0
3:00 PM	13	0	2	6	2	3	0	0	0	0	0	0	0	0
4:00 PM	16	0	7	6	2	1	0	0	0	0	0	0	0	0
5:00 PM	13	0	8	2	0	2	0	0	1	0	0	0	0	0
6:00 PM	9	0	6	3	0	0	0	0	0	0	0	0	0	0
7:00 PM	4	0	3	1	0	0	0	0	0	0	0	0	0	0
8:00 PM	4	0	4	0	0	0	0	0	0	0	0	0	0	0
9:00 PM	4	0	0	2	0	2	0	0	0	0	0	0	0	0
10:00 PM	2	0	2	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	2	0	1	1	0	0	0	0	0	0	0	0	0	0
3/21/2023														
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	4	0	1	2	1	0	0	0	0	0	0	0	0	0
7:00 AM	7	0	6	0	0	1	0	0	0	0	0	0	0	0
8:00 AM	10	0	3	3	2	2	0	0	0	0	0	0	0	0
9:00 AM	11	0	5	5	0	1	0	0	0	0	0	0	0	0
Total	140	0	71	44	7	16	0	0	2	0	0	0	0	0
%		0.0	50.7	31.4	5.0	11.4	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0

Montgomery County Engineer's Office Traffic Department

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 3/20/2023
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24 Hour Classification

Southbound

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
10:00 AM	4	0	2	2	0	0	0	0	0	0	0	0	0	0
11:00 AM	10	0	6	1	0	2	0	0	1	0	0	0	0	0
12:00 PM	6	0	4	1	0	1	0	0	0	0	0	0	0	0
1:00 PM	6	0	3	0	0	3	0	0	0	0	0	0	0	0
2:00 PM	15	0	5	6	0	3	0	0	1	0	0	0	0	0
3:00 PM	13	0	6	5	1	1	0	0	0	0	0	0	0	0
4:00 PM	15	0	10	1	1	3	0	0	0	0	0	0	0	0
5:00 PM	13	0	9	2	0	2	0	0	0	0	0	0	0	0
6:00 PM	10	0	4	5	0	1	0	0	0	0	0	0	0	0
7:00 PM	6	0	5	1	0	0	0	0	0	0	0	0	0	0
8:00 PM	4	0	1	3	0	0	0	0	0	0	0	0	0	0
9:00 PM	2	0	1	0	0	1	0	0	0	0	0	0	0	0
10:00 PM	1	0	1	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	1	0	0	1	0	0	0	0	0	0	0	0	0	0
3/21/2023														
12:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	5	0	2	2	0	1	0	0	0	0	0	0	0	0
7:00 AM	9	0	5	1	1	2	0	0	0	0	0	0	0	0
8:00 AM	10	0	3	3	2	2	0	0	0	0	0	0	0	0
9:00 AM	3	0	2	0	0	0	0	0	1	0	0	0	0	0
Total	135	0	71	34	5	22	0	0	3	0	0	0	0	0
%		0.0	52.6	25.2	3.7	16.3	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0

Montgomery County Engineer's Office Traffic Department

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 Location : KRL

Site: 23 126
 3/20/2023
 Monday

24 Hour Speed

		Northbound														
mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	Avg.	
10:00 AM	3	0	0	0	0	0	2	1	0	0	0	0	0	0	38.1	
11:00 AM	10	0	1	0	0	3	3	1	1	1	0	0	0	0	37.4	
12:00 PM	8	0	0	0	1	0	2	1	1	3	0	0	0	0	43.3	
1:00 PM	12	0	0	0	0	4	2	2	4	0	0	0	0	0	40.3	
2:00 PM	7	0	0	0	0	1	3	1	2	0	0	0	0	0	41.0	
3:00 PM	13	0	0	0	3	0	6	3	1	0	0	0	0	0	37.0	
4:00 PM	16	0	0	1	0	1	6	5	3	0	0	0	0	0	39.5	
5:00 PM	13	0	0	0	0	1	5	4	3	0	0	0	0	0	40.5	
6:00 PM	9	0	0	0	2	0	1	3	1	2	0	0	0	0	41.8	
7:00 PM	4	0	0	0	0	0	3	1	0	0	0	0	0	0	39.9	
8:00 PM	4	0	0	0	0	2	1	1	0	0	0	0	0	0	34.6	
9:00 PM	4	0	0	1	0	0	0	2	0	0	1	0	0	0	40.8	
10:00 PM	2	0	0	0	1	0	0	0	0	1	0	0	0	0	41.0	
11:00 PM	2	0	0	0	0	0	0	1	0	0	1	0	0	0	48.6	
3/21/2023																
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
2:00 AM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	44.8	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
6:00 AM	4	0	0	0	1	0	2	1	0	0	0	0	0	0	37.0	
7:00 AM	7	0	0	0	0	1	1	1	4	0	0	0	0	0	42.8	
8:00 AM	10	0	0	0	0	0	4	6	0	0	0	0	0	0	40.8	
9:00 AM	11	0	0	0	0	0	4	7	0	0	0	0	0	0	40.7	
Total	140	0	1	2	8	13	45	42	20	7	2	0	0	0	40.1	
%		0.0	0.7	1.4	5.7	9.3	32.1	30.0	14.3	5.0	1.4	0.0	0.0	0.0		
Average (Mean)		40.1 mph			Minimum 19.6 mph			Maximum 58.1 mph			Pace Range 35.1 - 45.1 mph			87 vehicles (62.1%)		
Percentile Speeds		<u>10%</u>		<u>15%</u>		<u>50%</u>		<u>85%</u>		<u>90%</u>						
(mph)		32.2		33.7		40.3		46.9		48.1						
Speeds Exceeded		<u>25 mph</u>		<u>35 mph</u>		<u>45 mph</u>		<u>55 mph</u>		<u>65 mph</u>		<u>75 mph</u>				
		97.9% (137)		82.9% (116)		20.7% (29)		1.4% (2)		0% (0)		0% (0)				

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Site: 23 126
 3/20/2023
 Monday

24 Hour Speed

		Southbound														
mph	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	Avg.	
10:00 AM	4	0	0	0	0	1	1	2	0	0	0	0	0	0	37.9	
11:00 AM	10	0	0	0	0	1	1	6	1	1	0	0	0	0	42.1	
12:00 PM	6	0	0	0	0	0	2	2	1	1	0	0	0	0	43.3	
1:00 PM	6	0	0	0	0	0	1	3	1	1	0	0	0	0	44.0	
2:00 PM	15	0	0	0	1	4	5	3	1	1	0	0	0	0	38.1	
3:00 PM	13	0	1	0	0	2	2	5	2	0	1	0	0	0	40.8	
4:00 PM	15	0	0	0	0	3	6	4	0	2	0	0	0	0	40.2	
5:00 PM	13	0	1	0	0	1	7	0	3	1	0	0	0	0	39.3	
6:00 PM	10	0	0	0	1	1	2	4	1	1	0	0	0	0	41.0	
7:00 PM	6	0	0	0	0	1	4	1	0	0	0	0	0	0	37.1	
8:00 PM	4	0	0	0	0	1	0	2	1	0	0	0	0	0	42.3	
9:00 PM	2	0	0	0	0	0	1	0	0	0	1	0	0	0	47.6	
10:00 PM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	38.0	
11:00 PM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	37.7	
3/21/2023																
12:00 AM	1	0	0	0	0	0	0	1	0	0	0	0	0	0	43.3	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
2:00 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	0	38.4	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
6:00 AM	5	0	0	1	0	0	0	1	3	0	0	0	0	0	42.0	
7:00 AM	9	0	1	0	0	1	2	0	5	0	0	0	0	0	39.8	
8:00 AM	10	0	0	0	1	2	2	2	2	1	0	0	0	0	40.9	
9:00 AM	3	0	0	0	0	0	2	1	0	0	0	0	0	0	38.2	
Total	135	0	3	1	3	18	41	37	21	9	2	0	0	0	40.4	
%		0.0	2.2	0.7	2.2	13.3	30.4	27.4	15.6	6.7	1.5	0.0	0.0	0.0		
Average (Mean)		40.4 mph			Minimum 16.8 mph			Maximum 59.4 mph			Pace Range 33.7 - 43.7 mph			82 vehicles (60.7%)		
Percentile Speeds		<u>10%</u>		<u>15%</u>		<u>50%</u>		<u>85%</u>		<u>90%</u>						
(mph)		32.5		34.1		40.0		47.6		49.3						
Speeds Exceeded		<u>25 mph</u>		<u>35 mph</u>		<u>45 mph</u>		<u>55 mph</u>		<u>65 mph</u>		<u>75 mph</u>				
		97.0% (131)		81.5% (110)		23.7% (32)		1.5% (2)		0% (0)		0% (0)				

Inspector: Poston,Jay
 Inspection Date: 08/04/2022

Structure Number: 5732344
 Facility Carried: Wellbaum T0223

Bridge Inspection Report

Ohio Bridge Inspection Summary Report

MOT-C0223-0205 (5732344)

2: District 15518 - CLAY TWP (MOT county)
 District 07

5A: Inventory Route 1 T0223

21: Major Maint A/B 02 - County Highway Agency /
 225 Routine Main A/B 02 - County Highway Agency /
 221 Inspection A/B 02 - County Highway Agency /
 220: Inv. Location CLY

7: Facility On Wellbaum T0223
 6: Feature Ints Razor Run
 9: Location .6 MILES SOUTH OF SR40
 Lat, Lon 39.860011 , -84.388153

Condition	Structure Type
-----------	----------------

58: Deck **5 - Fair Condition**
 58.01 Wearing Surface 6 - Satisfactory (1-10% distress)
 58.02 Joint N- Not Applicable
59: Superstructure **5 - Fair Condition**
 59.01 Paint & PCS N - Not Applicable
60: Substructure **7 - Good Condition**
61: Channel **7**
61.01 Scour **7 - Good**
62: Culverts **N - Not Applicable**
67.01 GA **5**

43: Bridge Type 5 - Prestressed concrete
 05 - Box Beam or Girders - Multiple
 N- Not Applicable
 45: Spans Main / Approach 1 / 0
 107: Deck Type 1 - Concrete Cast-in-Place
 408: Composite Deck N - Non-composite Construction
 414A Joint Type 1 N - None
 414B: Joint Type 2 N - None
 108A: Wearing Surface 6 - Bituminous
 N- Not Applicable

Appraisal

Sufficiency Rating 77.9 SD/FO 0 - ND
 36: Rail, Tr, Gd, Term Std 1 1 1 1
 72: Approach Alignment 8 - Equal to present desirable criteria
 113: Scour Critical 5 - Scour within limits of footing or piles
 71: Waterway Adequacy 7 - Slight Chance of Overtopping Bridge

422: WS Date 08/01/2012
 423: WS Thick (in) 6
 482: Protective Coating N - None or Not Applicable
 483: PCS Date
 453: Bearing Type 1 4 - Elastomeric (Plain)
 455: Bearing Type 2 N - None
 528: Foundn: Abut Fwd 1 - Steel H Piles (Other size)
 533: Foundn: Abut Rear 1 - Steel H Piles (Other Size)
 536: Foundn: Pier 1 N - None (Such as most Culverts)
 539: Foundn: Pier 2 N - None (Such as most Culverts)

Geometric

48: Max Span Length (ft) 39.0
 49: Structure Length (ft) 42.0
 52: Deck Width, Out-To-Out (ft) 24.0
 424: Deck Area (sf) 1008
 32: Appr Roadway Width (ft) 20.0
 51: Road Width, Curb-Curb (ft) 24.0
 50A: Curb/SW Width: Left (ft) 0
 50A: Curb/SW Width: Right (ft) 0
 34: Skew (deg) 0
 33: Bridge Median 0 - No median
 54B: Min Vert Underclearance (ft) 0
 336A: Min Vert Clrnce IR Cardinal (ft) 99
 336B: Min V Clr IR Non-Cardinal (ft) 0
 578: Culvert Length (ft) 0

Age and Service

27: Year Built/ 106 Rehab 1965 / 0000
 42A: Service On 1 - Highway
 42B: Service Under 5 - Waterway
 28A: Lanes on 02
 28B: Lanes Under 00
 19: Bypass Length 2
 29: ADT 305
 109: % Trucks (%) 4

Load Posting

41: Op/Post/Closed A - Open
 70: Posting 5 - Equal to or above legal loads
 70.01: Date
 70.02: Sign Type
 734: Percent Legal (%) 150
 704: Analysis Date 07/06/2009
 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18

Inspections

	<i>Months</i>	
90: Routine Insp.	12	08/04/2022
92A: FCM Insp.	N 0	
92B: Dive Insp.	N 0	
92C: Special Insp.	N 0	
92D: UBIT Insp.	N 0	
92E: Drone Insp.	N 0	
Inspector	Poston,Jay	

Inspector: Poston, Jay
Inspection Date: 08/04/2022

Structure Number: 5732344
Facility Carried: Wellbaum T0223

Bridge Inspection Report

loading.

Inspector: Poston,Jay
Inspection Date: 08/04/2022

Structure Number: 5732344
Facility Carried: Wellbaum T0223

Bridge Inspection Report

Inspector: Poston,Jay
Inspection Date: 08/04/2022

Structure Number: 5732344
Facility Carried: Wellbaum T0223

Bridge Inspection Report

ODOT District: District 07

MOT-C0223-0205 __(5732344)

Date Built: 07/01/1965

Major Maint: 02 - County Highway Agency

Facility Carried: Wellbaum T0223

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 02 - County Highway Agency

Feature Inters: Razor Run

Traffic Under: 5 - Waterway

Insp: 02 - County Highway

FIPS Code: 15518 - CLAY TWP (MOT county)

Location: CLY

.6 MILES SOUTH OF SR40

Resp A: Agency

Insp

Resp B:

Inspector

Poston,Jay

Inspection Date

08/04/2022

Reviewer Shields,David

Inspector Comments - Deck and Approach

Deck

Bridge Wearing Surface (SF)

- Wearing surface date estimated 2012.

- 1' of edge of pavement not resurfaced, original wearing surface not milled in 2012 overlay. Patched area in NB lane at South end 12'L, 2020.

Bridge Railing (LF)

- Guardrail not supported on the West side at the North end of the bridge due to impact of traffic, 3 posts broke loose at the studs also resulting in beam damage.

Approach

Approach Guardrail (EA)

- Minor impact to guardrail at all four approaches, no repair needed.

Wearing Surface

- Patched in NB lane at South end 30'L, 2020.

Embankment

- Vegetation overhanging guardrail, recommend to cut and remove.

Inspector Comments - General Appraisal

Superstructure

Beams/Girders (LF)

- Leakage between all keyways.

- Leakage from weep holes of fascia beams, wet with tar stains.

- #1 beam has impact damage around 3 posts at the Northwest corner of the bridge, all 3 posts are partially detached from the bridge, the Northwest most post damage resulted in a fascia beam hole, this beam directly carries traffic.

- #1 beam, spall, NW corner on top and face, 4'L x 6"H x 8"D, longitudinal rebar and two stirrups

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- exposed. - #2 beam, spall, North end of beam, 3'L x 8"W x 2"D, 1 exposed strand.
- #2 beam, delam., 2"W x 1'L, South end, East edge.
- #3 beam, delam., 2'L x 4"W, South 1/4, on East edge.
- #3 beam, delam., 2'L x 8"W, mid-span, on West edge.
- #3 beam, delam., 1'L x 2"W, North 1/4, on West edge.
- #3 beam, delam., 3"W x 1'L, mid span, West edge.
- #4 beam, delam, N 1/4 on W. edge, 1'L x 3"W.
- #6 beam, spall, Southeast end on top face, 18" L x 4"H x 1"D.
- #6 beam, spall South 1/3 of beam on top face, 4'L x 3"H x 2"D.
- Post tension rod on East and West end heavily corroded, nut mostly rusted away.
- Small stalactites between beams 5 & 6.

Substructure

Abutment Walls (LF)

- 2 hairline vertical cracks full height on north abutment.

Wingwalls (EA)

- Northwest wing wall cracking on face. Delam., 1'W x 1'H.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

photos are on file for viewing upon request.

Channel

Scour Critical

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Pictures