



State of Ohio
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: Defiance County Subdivision Code: 039-00039
 District Number: 5 County: Defiance Date: 08/28/2019
 Contact: Warren Schlatter, P.E., P.S. Phone: (419) 782-4751
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)
 Email: dce@defiance-county.com FAX: (419) 782-3031

Project

Project Name: Harris, Schubert and Openlander Rd Widening Zip Code: _____

| | | |
|--|--|---|
| <p>Subdivision Type (Select one)</p> <p><input checked="" type="checkbox"/> 1. County <input type="checkbox"/> 2. City <input type="checkbox"/> 3. Township <input type="checkbox"/> 4. Village <input type="checkbox"/> 5. Water (6119 Water District)</p> | <p>Project Type (Select single largest component by \$)</p> <p><input checked="" type="checkbox"/> 1. Road <input type="checkbox"/> 2. Bridge/Culvert <input type="checkbox"/> 3. Water Supply <input type="checkbox"/> 4. Wastewater <input type="checkbox"/> 5. Solid Waste <input type="checkbox"/> 6. Stormwater</p> | <p>Funding Request Summary (Automatically populates from page 2)</p> <p>Total Project Cost: <u>649,562.00</u></p> <p>1. Grant: <u>324,781.00</u> 2. Loan: <u>0.00</u> 3. Loan Assistance/ Credit Enhancement: <u>0.00</u></p> <p>Funding Requested: <u>324,781.00</u></p> |
|--|--|---|

District Recommendation (To be completed by the District Committee)

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

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)

1.1 Project Estimated Costs

Engineering Services

| | | | |
|-------------------------------|-------|--------------------|------------|
| Preliminary Design: | | .00 | |
| Final Design: | | .00 | |
| Construction Administration: | | .00 | |
| Total Engineering Services: | a.) | 0 .00 | 0 % |
| Right of Way: | b.) | .00 | |
| Construction: | c.) | 649,562 .00 | |
| Materials Purchased Directly: | d.) | .00 | |
| Permits, Advertising, Legal: | e.) | .00 | |
| Construction Contingencies: | f.) | .00 | 0 % |
| Total Estimated Costs: | g.) | 649,562 .00 | |

1.2 Project Financial Resources

Local Resources

| | | | |
|---|-----|--------------------|-------------|
| Local In-Kind or Force Account: | a.) | .00 | |
| Local Revenues: | b.) | 324,781 .00 | |
| Other Public Revenues: | c.) | .00 | |
| ODOT / FHWA PID: | d.) | .00 | |
| USDA Rural Development: | e.) | .00 | |
| OEPA / OWDA: | f.) | .00 | |
| CDBG: | g.) | .00 | |
| <input type="checkbox"/> County Entitlement or Community Dev. "Formula" | | | |
| <input type="checkbox"/> Department of Development | | | |
| Other: | h.) | .00 | |
| Subtotal Local Resources: | i.) | 324,781 .00 | 50 % |

OPWC Funds (Check all requested and enter Amount)

| | | | |
|---------------------------------------|-----|--------------------|--------------|
| Grant: 100 % of OPWC Funds | j.) | 324,781 .00 | |
| Loan: 0 % of OPWC Funds | k.) | .00 | |
| Loan Assistance / Credit Enhancement: | l.) | 0 .00 | |
| Subtotal OPWC Funds: | m.) | 324,781 .00 | 50 % |
| Total Financial Resources: | n.) | 649,562 .00 | 100 % |

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 Repair / Replacement: | 649,562 .00 | 100 % | A Farmland Preservation letter is required for any impact to farmland |
| 2.2 Total Portion of Project New / Expansion: | 0 .00 | 0 % | |
| 2.3 Total Project: | 649,562 .00 | 100 % | |

3.0 Project Schedule

| | | |
|---|------------------------|----------------------|
| 3.1 Engineering / Design / Right of Way | Begin Date: 06/01/2020 | End Date: 03/15/2021 |
| 3.2 Bid Advertisement and Award | Begin Date: 03/15/2021 | End Date: 03/29/2021 |
| 3.3 Construction | Begin Date: 04/19/2021 | End Date: 10/29/2021 |

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: 15 Years Age: 2034 (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 1,794 Year 2019 Projected ADT 3,600 Year 2039

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

Residential Water Rate Current \$ Proposed \$

Number of households served:

Residential Wastewater Rate Current \$ Proposed \$

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.) 500 character limit.

Harris Rd is located in Highland Township between Hoffman and Mansfield Rd.
Schubert Rd is located in Highland Township between SR 15 and the Defiance Paulding County Line Rd.
Openlander Rd is located in Farmer Township between SR 249 and Blosser Rd.

- B: **PROJECT COMPONENTS** (Describe the specific work to be completed; the engineer's estimate does not replace this requirement) 1,000 character limit.

Harris Rd will be widened.
Schubert Rd will be widened.
Openlander Rd will be widened.

Item 301-Asphalt Concrete Case
Item 411-Aggregate Berm
Item 448-Asphalt Concrete Type 1 PG 64-22

- C: **PHYSICAL DIMENSIONS** (Describe the physical dimensions of the existing facility and the proposed facility. Include length, width, quantity and sizes, mgd capacity, etc in detail.) 500 character limit.

Harris Rd is currently 19' and will be widened to 24' and 5,300' in length between Hoffman and Mansfield Rd.
Schubert Rd is currently 14' and will be widened to 16' in 8,500' in length between SR 15 and the Defiance Paulding County Line Rd.
Openlander Rd is currently 18' and will be widened to 22' in 10,520' in length between SR 249 and Blosser Rd.

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: Warren Schlatter
Title: Engineer
Address: 510 Court St., Suite 201

City: Defiance State: OH Zip: 43512
Phone: (419) 782-4751
FAX: (419) 782-3031
E-Mail: dce@defiance-county.com

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

Name: Jill Little
Title: Auditor
Address: 500 W. Second St., Suite 301

City: Defiance State: OH Zip: 43512
Phone: (419) 782-1926
FAX: (419) 782-3031
E-Mail: dce@defiance-county.com

5.3 Project Manager

Name: Warren Schlatter
Title: Engineer
Address: 510 Court St., Suite 201

City: Defiance State: OH Zip: 43512
Phone: (419) 782-4751
FAX: (419) 782-3031
E-Mail: dce@defiance-county.com

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-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.
- 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.

Warren Schlatter, Defiance County Engineer

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

Warren Schlatter 9-5-2019

Original Signature / Date Signed

BOARD OF DEFIANCE COUNTY COMMISSIONERS

RESOLUTION: IN THE MATTER OF: AUTHORIZING THE COUNTY ENGINEER TO PREPARE AND SUBMIT AN APPLICATION TO PARTICIPATE IN THE OHIO PUBLIC WORKS COMMISSION STATE CAPITAL IMPROVEMENT AND/OR LOCAL TRANSPORTATION IMPROVEMENT PROGRAM(S) AND TO EXECUTE CONTRACTS AS REQUIRED

DATE: MONDAY, AUGUST 19, 2019

The Board of Commissioners, County of Defiance, State of Ohio met in regular session on the above date in the Defiance County Commissioners' Conference Room with the following members present:

Gary Plotts: PRESENT Michael Pocratsky: PRESENT Ryan Mack: PRESENT

Commissioner POCRATSKY moved and Commissioner MACK seconded the adoption of the following Resolution:

WHEREAS, the State Capital Improvement Program and the Local Transportation Improvement Program both provide financial assistance to political subdivisions for capital improvements to public infrastructure; and

WHEREAS, the Defiance County Engineer is planning to make capital improvements to Harris Rd (Hoffman and Mansfield Rd) and Schubert Rd (SR 15 and to the Defiance Putnam County Line Rd) and Openlander Rd (SR249 and Blosser Rd) and,

WHEREAS, the infrastructure improvement herein above described is considered to be a priority need for the community and is a qualified project under the OPWC programs.

THEREFORE, BE IT RESOLVED, that the Board of Defiance County Commissioners, Defiance County, Ohio:

Section 1 Hereby authorizes Warren J. Schlatter, P.E., P.S., County Engineer, to apply to the OPWC for funds as described above;

Section 2 That Warren J. Schlatter, P.E., P.S. is authorized to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance.

BE IT FURTHER RESOLVED, that it is found and determined that all formal actions of this Board concerning and relating to the adoption of this Resolution were so adopted in an open meeting of this Board and that all deliberations of this Board and of any of its committees that resulted in such formal action were in meetings open to the public in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

DEFIANCE COUNTY

CHIEF FINANCIAL OFFICER'S CERTIFICATION

I, Jill Little, County Auditor, Defiance County, Ohio hereby certify that Defiance County has the required local share for the proposed **Harris, Schubert and Openlander Road Widening** project or is in the process of collecting such funds and that such funds will be appropriated to the County Engineer's budget to pay the local share for the 2019 Local Transportation Improvement Program project in the amount of **\$324,781** for which funding is requested from the Ohio Public Works Commission.



Jill Little
County Auditor

8-27-19
Date

Harris, Schubert and Openlander Road Widening

Project Cost Estimate

Harris Road

| Item | Qty | Units | Description | Unit \$ | Amount |
|------------------|------|-------|----------------------------------|---------|---------------------|
| 301 | 1472 | Tons | Asphalt Concrete Base | \$65.00 | \$95,680.00 |
| 411 | 327 | Tons | Aggregate Berm | \$37.00 | \$12,099.00 |
| 448 | 1570 | Tons | Asphalt Concrete Type 1 PG 64-22 | \$80.00 | \$125,600.00 |
| Subtotal: | | | | | \$233,379.00 |

Schubert Road

| Item | Qty | Units | Description | Unit \$ | Amount |
|------------------|------|-------|----------------------------------|---------|---------------------|
| 411 | 420 | Tons | Aggregate Berm | \$37.00 | \$15,540.00 |
| 301 | 918 | Tons | Asphalt Concrete Base | \$65.00 | \$59,670.00 |
| 448 | 1416 | Tons | Asphalt Concrete Type 1 PG 64-22 | \$80.00 | \$113,280.00 |
| Subtotal: | | | | | \$188,490.00 |

Openlander Road

| Item | Qty | Units | Description | Unit \$ | Amount |
|------------------|------|-------|----------------------------------|---------|---------------------|
| 411 | 519 | Tons | Aggregate Berm | \$37.00 | \$19,203.00 |
| 301 | 570 | Tons | Asphalt Concrete Base | \$65.00 | \$37,050.00 |
| 448 | 2143 | Tons | Asphalt Concrete Type 1 PG 64-22 | \$80.00 | \$171,440.00 |
| Subtotal: | | | | | \$227,693.00 |

TOTAL COST ESTIMATE:

\$649,562.00

Estimated Useful Life of Project: 15 Years

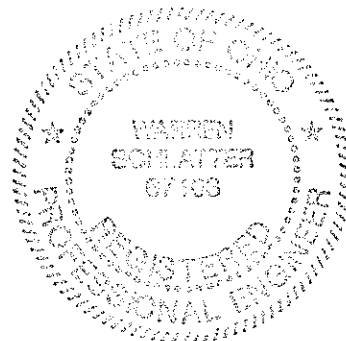
Registered Engineer's Estimate of Cost and Certification of the Useful Life of the Project: This is to certify that I, Warren J. Schlatter, Professional Engineer, Ohio Registration No. 67103 have examined the above project being submitted to the Ohio Public Works Commission for funding and do certify the cost and useful life of the project to be as accurate as possible at this time.

Warren Schlatter

 Warren J. Schlatter, P.E., P.S.

9-5-2019

 Date



Supplementary Information
Harris and Schubert Road

Harris Road



Looking North on Harris Rd. There is wheel rutting.



Looking South on Harris rd. There is wheel rutting across the road and holes in the pavement have been filled.

Schubert Road



Looking North on Schubert Rd. The edge of pavement is cracked.



Looking north on Harris Road. The edge of pavement is cracking and there is wheel rutting across the road.

Supplementary Information
Openlander Road

Openlander Road



Looking North on Openlander Rd. The edge of pavement is cracking and chipped.



Looking South on Openlander Rd. The pavement has wheel rutting on both sides of the road.

Revised: June 18, 2018

**DISTRICT 5
CAPITAL IMPROVEMENT PROJECTS
QUESTIONNAIRE
ROUND 34**

Name of Applicant: Defiance County Engineer

Project Title: Harris, Schubert and Openlander Rd Widening

The following questions are to be answered for each application submitted for State Issue II SCIP, LTIP and Loan Projects. Please provide specific information using the best documentation available to you. Justification of your responses to these questions will be required if your project is selected for funding, so please provide correct and accurate responses.

1. What percentage of the project in repair A= **100**%, replacement B= __%, expansion C= __%, and new D= ___%? (Use dollar amounts of project to figure percentages and make sure the total equals one hundred(100) percent) A+B= ___% C+D= ___%

Repair/Replacement = Repair or Replacement of public facilities owned by the government (any subdivision of the state).

New/Expansion = Replacement of privately owned wells, septic systems, private water or wastewater systems, etc.

2. Give the physical condition rating from the Capital Improvements Report (CIR) Inventory :

Closed or Not Operating: The condition is unusable, dangerous and unsafe. The primary components have failed. The infrastructure is not functioning at all.

Critical: The condition is causing or contributing to a serious non-compliance situation and is threatening the intended design level of service. The infrastructure is functioning at seriously diminished capacity. Imminent failure is anticipated within 18 months. Repair and/or replacement is required to eliminate the critical condition and meet current design standards. **(For Road Projects structural repair items would represent a minimum of 25% of the total Project Cost).**

Poor: The condition is substandard and requires repair/replacement in order to return to the intended level of service and comply with current design standards. Infrastructure contains a major deficiency and is functioning at a diminished capacity.

Fair: The condition is average, not good or poor. The infrastructure is still functioning as originally intended. Minor deficiencies exist requiring repair to continue to function as originally intended and/or to meet current design standards.

Good: The condition is safe and suitable to purpose. Infrastructure is functioning as

originally intended, but requires minor repairs and/or upgrades to meet current design standards.

Excellent: The condition is new, or requires no repair. Or, no supporting documentation has been submitted.

The CIR must be included with the application in order to receive points along with supporting documentation (e.g. photos or a narrative) justifying the rating.

3. If the proposed project is not approved what category would best represent the impact on the general health and/or public safety?

ROADS

Extremely Critical: Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Major Access Road.*

Critical: Resurfacing, Restoration and Rehabilitation (3R) of a Major Access Road.*

Major: Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Minor Access Road.*

Moderate: Resurfacing, Restoration and Rehabilitation (3R) of a Minor Access Road.*

Minimal: Preventative Maintenance of a Major Access Road.

No Impact: Preventative Maintenance of a Minor Access Road.

Projects that have a variety of work will be scored in the LOWEST category of work contained in the Construction Estimate.

Road/Street Classifications:

Major Access Road:

Roads or streets that have a dual function of providing access to adjacent properties and providing through or connecting service between other roads.

Minor Access Road:

Roads or streets that primarily provide access to adjacent properties without through continuity, such as cul-de-sacs or loop roads or streets.

Preventative Maintenance:

Non Structural Pavement work such as chip sealing, cape sealing, microsurfacing, crack sealing, etc.

*(3R) Resurfacing, Restoration and Rehabilitation - Improvements to existing roadways, which have as their main purpose, the restoration of the physical features (pavement, curb, guardrail, etc.) without altering the original design elements.

*(4R) Resurfacing, Restoration, Rehabilitation and Reconstruction - Much like 3R, except that 4R allows for the complete reconstruction of the roadway and alteration of certain design elements (i.e., lane widths, shoulder width, SSD, etc.).

BRIDGES SUFFICIENCY RATING

- Extremely Critical: 0-25, or a General Appraisal rating of 3 or less.
- Critical: 27-50, or a General Appraisal rating of 4.
- Major: 51-65 or a General Appraisal rating of 5 or 6.
- Moderate: 66-80 or a General Appraisal rating of 7.
- Minimal: 81-100 or a General Appraisal rating of more than 7.
- No Impact: Bridge on a new roadway.

WASTEWATER TREATMENT PLANTS

- Extremely Critical: Environmental Protection Agency (EPA) orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
- Critical: Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.
- Major: Replace deficient appurtenances. Update existing processes due to EPA recommendations.
- Moderate: Increase capacity to meet current needs or update processes to improve effluent quality.
- Minimal: New/Expansion project to meet a specific development proposal.
- No Impact: New/Expansion to meet future or projected needs.

WATER TREATMENT PLANT

- Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order.
- Critical: Improvements to meet Environmental Protection Agency (EPA) Safe Drinking Water Regulations and/or NPDES Orders.
- Major: Replace deficient appurtenances. Update existing processes due to EPA recommendations.
- Moderate: Increase capacity to meet current needs or update processes to improve water quality.
- Minimal: New/Expansion project to meet a specific development proposal.
- No Impact: New/Expansion to meet future or projected needs.

COMBINED SEWER SEPARATIONS (May be construction of either new storm or sanitary sewer as long as the result is two separate sewer systems.)

- Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
- Critical: Separate, due to chronic backup or flooding in basements.
- Major: Separate, due to documented water quality impairment, or due to EPA recommendations.
- Moderate: Separate, due to specific development proposal within or upstream of the combined system area.
- Minimal: Separate, to conform to current design standards.
- No Impact: No positive health effect.

STORM SEWERS

- Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order.
- Critical: Chronic flooding (structure damage).
- Major: Inadequate capacity (land damage).
- Moderate: Inadequate capacity with no associated damage.
- Minimal: New/Expansion to meet current needs.
- No Impact: New/Expansion to meet future or project needs.

CULVERTS

- Extremely Critical: Structurally deficient or functionally obsolete. Deterioration has already caused a safety hazard to the public.
- Critical: Inadequate capacity with land damage and the existing or high probability of property damage.
- Major: Inadequate capacity (land damage).
- Moderate: Inadequate capacity with no associated damage.
- Minimal: New/Expansion to meet current needs.
- No Impact: New/Expansion to meet future or projected needs.

SANITARY SEWERS

- Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
- Critical: Replace, due to chronic pipe failure, chronic backup or flooding in basements. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.
- Major: Replace, due to inadequate capacity or infiltration, or due to EPA recommendations.
- Moderate: Rehabilitate to increase capacity to meet current needs or to reduce inflow and infiltration.
- Minimal: New/Expansion project to meet a specific development proposal.
- No Impact: New/Expansion to meet future or projected needs.

SANITARY LIFT STATIONS AND FORCE MAINS

- Extremely Critical: Structurally deficient. Deterioration has already caused a safety/health hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.
- Critical: Inadequate capacity with actual or a high probability of property damage. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.
- Major: EPA recommendations, or, reduces a probable health and/or safety problem.
- Moderate: Rehabilitate to increase capacity to meet current needs.
- Minimal: New/Expansion to meet a specific development proposal.
- No Impact: New/Expansion to meet future or projected needs.

WATER PUMP STATIONS

- Extremely Critical: Structurally deficient. Deterioration has already caused a safety hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.
- Critical: Inadequate capacity with the inability to maintain pressure required for fire flows.
- Major: Replace due to inadequate capacity or EPA recommendations.
- Moderate: Rehabilitate to increase capacity to meet current needs.

Minimal: New/Expansion to meet a specific development proposal.

No Impact: New/Expansion to meet future or projected needs.

WATER LINES/WATER TOWERS

Extremely Critical: Solve low water pressure or excessive incidents of main breaks in project area.

Critical: Replace, due to deficiency such as excessive corrosion, etc.

Major: Replace undersized water lines as upgrading process.

Moderate: Increase capacity to meet current needs.

Minimal: New/Expansion project to meet a specific development proposal.

No Impact: New/Expansion to meet future or projected needs.

OTHER

Extremely Critical: There is a present health and/or safety threat.

Critical: The project will provide immediate health and/or safety benefit.

Major: The project will reduce a probable health and/or safety problem.

Moderate: The project will delay a health and/or safety problem.

Minimal: A possible future health and/or safety problem mitigation.

No Impact: No health and/or safety effect.

NOTE: Combined projects that can be rated in more than one subset may be rated in the other category at the discretion of the District 5 Executive Committee. In general, the majority of the cost or scope of the project shall determine the category under which the project will be scored.

(Submittals without supporting documentation will receive 0 Points for this question.)

Extremely Critical X, Critical ____, Major ____, Moderate ____, Minimal ____, No Impact ____. Explain your answer.

(Additional narrative, charts and/or pictures should be attached to questionnaire)

4. Identify the amount of local funds that will be used on the project as a percentage of the total project cost.

A.) Amount of Local Funds = \$ 324,781

B.) Total Project Cost = \$ 649,562

RATIO OF LOCAL FUNDS DIVIDED by TOTAL PROJECT COSTS (A÷B)= 50 %

Note: Local funds should be considered funds derived from the applicant budget or loans funds to be paid back through local budget, assessments, rates or tax revenues collected by the applicant.

5. Identify the amount of other funding sources to be used on the project, excluding State Issue II or LTIP Funds, as a percentage of the total project cost.

Grants ___% Gifts ___%, Contributions ___%

Other ___% (explain) _____ , Total ___%

Note: Grant funds and other revenues not contributed or collected through taxes by the applicant should be considered other funds. The Scope of Work for each Funding Source must be the same.

6. Total Amount of SCIP and Loan Funding Requested- An Applicant can request a grant per the categories below for points as indicated on the Priority Rating Sheet. If the Applicant is including a loan request equal to, but not exceeding 50% of the OPWC funding amounts listed below, there will be no point penalty. If loan funds requested are more than 50%, points as listed in the Priority Rating Sheet will apply.

- _____ \$500,001 or More
- _____ \$400,001-\$500,000
- _____ \$325,001-\$400,000
- x \$275,001-\$325,000
- _____ \$175,001-\$275,000
- _____ \$175,000 or Less

There are times when the District spends all of the grant money and has loan money remaining. When this happens, the district makes a loan offer in the amount of the requested grant to the communities that were not funded. The offers are made in the order of scoring. We need to know if you are not successful in obtaining grant dollars for your project if you would be interested in loan money:

YES _____ NO X

(This will only be considered if you are not funded with grant money and there is remaining loan money.) **Please note: if you answer “no” you will not be contacted, only if you answer “yes” will an offer be made in the event that there is loan money remaining.**

7. If the proposed project is funded, will its completion directly result in the creation of permanent full-time equivalent (FTE) jobs (FTE jobs shall be defined as 35 hours/week)? Yes ___ No X . If yes, how many jobs within eighteen months? ___ Will the completed project retain jobs that would otherwise be

permanently lost? Yes ___ No ___. If yes, how many jobs _____ **will be created/retrained** within 18 months **following the completion of the improvements?**

(Supporting documentation in the form of letter from affected industrial or commercial enterprises that specify full time equivalent jobs that will be retained or created directly by the installation or improvement of Public infrastructure. Additional items such as; 1) newspaper articles or other media news accounts, 2) public meeting minutes, and/or 3) a letter from the County Economic Development Director or State of Ohio Economic Development Professional that alludes to the requirement for the infrastructure improvement to support the business. Submittals without supporting documentation will receive 0 points for this question.)

8. What is the total number of existing users that will directly benefit from the proposed project if completed? 1,794 (Use households served, traffic counts, etc. and explain the basis by which you arrived at your number.)

9. Is subdivision's population less than 5,000 Yes ___ No x

If yes, continue. You may want to design your project per Small Government Project Evaluation Criteria, released for the current OPWC Round to assist in evaluating your project for potential Small Government Funding. The Small Government Criteria is available on the OPWC website at <http://www.pwc.state.oh.us/Meth.SG.PDF> If No, skip to Question 11.

10. **OHIO PUBLIC WORKS COMMISSION SMALL GOVERNMENT PROGRAM GUIDELINES**

All projects that are sponsored by a subdivision with a population of 5,000 or less, and not earning enough points for District Funding from SCIP or LTIP Funds, are then rated using the Small Government Program Rating Criteria for the corresponding funding round. In order to be rated the entity must submit the Small Government Supplement and their required budgets with their application. **Only infrastructure that is village- or township- owned is eligible for assistance.** The following policies have been adopted by the Small Government Commission:

- District Integrating Committees may submit up to seven (7) applications for consideration by the Commission. All 7 must be ranked, however, only the top five (5) will be scored. The remaining two (2) will be held as contingency projects should an application be withdrawn.
- Grants are limited to \$500,000. Any assistance above that amount must be in the form of a loan.
 - Grants for new or expanded infrastructure cannot exceed 50% of the project estimate.
- The Commission may deny funding for water and sewer systems that are deemed to be more

cost-effective if regionalized.

•If a water or sewer project is determined to be affordable, the project will be offered a loan rather than a grant. Pay special attention to the **Water & Wastewater Affordability Supplemental and the Small Government Water & Wastewater Affordability Calculation Worksheet. Both are available on the Small Government Program Tab at <http://www.pwc.state.oh.us/SmallGovernment.html>**

•Should there be more projects that meet the “annual score” than there is funding, the tie breaker is those projects which scored highest under Health & Safety, with the second tie breaker being Condition. If multiple projects have equivalent Health & Safety and Condition scores they are arranged according to the amount of assistance from low to high. Once the funded projects are announced, “contingency projects” may be funded from project under-runs by continuing down the approved project list.

• Supplemental assistance is not provided to projects previously funded by the Commission.

•Applicants have 30 days from receipt of application by OPWC without exception to provide additional documentation to make the application more competitive under the Small Government criteria. Applications will be scored after the 30-day period has expired. The applicants for each District's two (2) contingency projects will have the same 30-day period to submit supplemental information but these applications will not be scored unless necessary to do so. **It is each applicant's responsibility for determining the need for supplemental material. The applicant will not be asked for or notified of missing information unless the Commission has changed the project type and it affects the documentation required. Important information may include, but is not limited to: age of infrastructure, traffic counts or utility users, median income information, user rates ordinances, and the Auditor's Certificate of Estimated Revenues or documentation from the Auditor of State that subdivision is in a state of fiscal emergency.**

If you desire to have your Round 28 project considered for Small Government Funding please download the Small Government Evaluation Criteria applicable to Round 28 by accessing the OPWC Website at <http://www.pwc.state.oh.us/Meth.SG.PDF>. Please complete the Small Government Evaluation Criteria and attach all required supporting documentation and attach it to the District 5 Questionnaire for Round 28.

11. MANDATORY INFORMATION, DISTRICT 5, DISCRETIONARY RANKING POINTS

List all specific user fees: Amount or
ROAD & BRIDGE PROJECTS:(OHIO REVISED CODE) Percentage

| | | |
|------------------------|---------------------|---------------|
| Permissive license fee | 4504.02 or 4504.06 | <u>\$5.00</u> |
| | 4504.15 or 4504.17 | <u>\$5.00</u> |
| | 4504.16 or 4504.171 | <u>\$5.00</u> |
| | 4504.172 | _____ |
| | 4504.18 | _____ |

| | | |
|------------------------|---------|-------|
| Special property taxes | 5555.48 | _____ |
| | 5555.49 | _____ |

Municipal Income Tax _____

County Sales Tax 6.75

Others _____

(DO NOT INCLUDE SCHOOL TAXES)

SPECIFIC PROJECT AREA INFORMATION.

Median household income \$55,295

Monthly utility rate: Water _____

Sewer _____

Other _____

List any special user fees or assessment (be specific)

POLITICAL SUBDIVISION= _____

COUNTY= DEFIANCE

DISCRETIONARY POINTS (BY DISTRICT COMMITTEE ONLY)= _____

(25-20-15)

Date: 9-5-2019

Signature: Wan Sutt

Title: Defiance County Engineer's Office

Address: 510 Court Street, Suite 201 Defiance, OH 43512

Phone: 419.782.4751

FAX: 419.7823031

Email: dcestaff@defiance-county.com

District 5

Capital Improvement Project

Priority Rating Sheet, Round 34

Revised 06/18/18
PROJECT NUMBER

| COUNTY: DeFiance | | | | | | | | | | | | PROJECT NUMBER | | | | | | | | | |
|---|-------------------|--|----------------------|----|---|---|---|----|----|-------------------------------|--|--------------------------------|----------------------------|----------------------------|-----------------------------|---|-----|--|--|--|--|
| PROJECT: Harris, Schubert and Opentander Rd Widening | | | | | | | | | | | | | | | | | | | | | |
| EST. COST: | | | | | | | | | | | | | | | | | | | | | |
| No. | 'A' WEIGHT FACTOR | CRITERIA TO BE CONSIDERED | 'B' PRIORITY FACTORS | | | | | | | 'A' x 'B' | Priority Factors | | | | | | No. | | | | |
| | | | 0 | 2 | 4 | 6 | 8 | 10 | 0 | | 2 | 4 | 6 | 8 | 10 | | | | | | |
| 1 | 1 | (Repair or Replace) vs. (New or Expansion) | 0 | 2 | 4 | 6 | 8 | 10 | 10 | 0% + Repair or Replacement | 20% + Repair or Replacement | 40% + Repair or Replacement | 60%+ Repair or Replacement | 80%+ Repair or Replacement | 100%+ Repair or Replacement | 1 | | | | | |
| 2 | 15 | Existing Physical Condition: Must submit substantiating documentation and CIR (100% New or Expansion = 0 Points). | 0 | 2 | 4 | 6 | 8 | 10 | 9 | Excellent | Good | Fair | Poor | Critical | Closed or Not Operating | 2 | | | | | |
| 3 | 2 | Public Health and/or Public Safety Concerns Submittals without supporting documentation will receive 0 points for this question | 0 | 2 | 4 | 6 | 8 | 10 | 20 | No Impact | Minimal | Moderate | Major | Critical | Extremely Critical | 3 | | | | | |
| 4 | 2 | Percentage of Local Share (Local funds are funds derived from the applicant budget or a loan to be paid back through the applicant budget, assessments, rates or tax revenues) | 0 | 2 | 4 | 6 | 8 | 10 | 20 | 0%+ | 10%+ | 20%+ | 30%+ | 40%+ | 50%+ | 4 | | | | | |
| 5 | 1 | OTHER FUNDING SOURCES (Excluding Issue II Funds) (Grants and other revenues not contributed or collected through taxes by the applicant, including Gifts, Contributions, etc. - must submit copy of award or status letter.) | 0 | 2 | 4 | 6 | 8 | 10 | 0 | 0%+ | 10%+ | 20%+ | 30%+ | 40%+ | 50%+ | 5 | | | | | |
| No. | 'A' WEIGHT FACTOR | CRITERIA TO BE CONSIDERED | 'B' PRIORITY FACTORS | | | | | | | 'A' x 'B' | Priority Factors | | | | | | No. | | | | |
| | | | 0 | 2 | 4 | 6 | 8 | 10 | 0 | | 2 | 4 | 6 | 8 | 10 | | | | | | |
| | | | | | | | | | | -9 | -8 | 0 | 8 | 9 | 10 | | | | | | |
| | | | | | | | | | | Grant or Loan Only | | | | | | | | | | | |
| 6 | 2 | OPWC Grant and Loan Funding Requested; Please refer to Item B on Questionnaire for Clarification | -9 | -8 | 0 | 8 | 9 | 10 | 16 | \$500,001 or more | \$400,001 to \$500,000 | \$325,001 to \$400,000 | \$275,001 to \$325,000 | \$175,001 to \$275,000 | \$175,000 or less | 6 | | | | | |
| | 2 | | -9 | -8 | 0 | 8 | 9 | 10 | | Grant/Loan Combination | | | | | | | | | | | |
| | | | | | | | | | | \$750,000 or more | \$600,001 to \$750,000 | \$487,501 to \$600,000 | \$412,501 to \$487,500 | \$262,501 to \$412,500 | \$262,500 or less | 6 | | | | | |
| When scoring a project that is only grant or only loan. Please use the chart labeled "Grant or Loan Only". When scoring a grant/loan combination, score the project for the grant in the first chart, then use the second chart labeled "Grant/Loan Combination" to score the total (grant and loan combined). Use the lower of the two as the score. | | | | | | | | | | | | | | | | | | | | | |
| No. | 'A' WEIGHT FACTOR | CRITERIA TO BE CONSIDERED | 'B' PRIORITY FACTORS | | | | | | | 'A' x 'B' | Priority Factors | | | | | | No. | | | | |
| | | | 0 | 2 | 4 | 6 | 8 | 10 | 0 | | 2 | 4 | 6 | 8 | 10 | | | | | | |
| 7 | 1 | Will the Proposed Project Create Permanent jobs or retain jobs that would otherwise be permanently lost (Written Documentation Required) | 0 | 2 | 4 | 6 | 8 | 10 | 0 | 0+ jobs | 7+ jobs | 15+ jobs | 25+ jobs | 50+ jobs | 100+ jobs | 8 | | | | | |
| 8 | 1 | Benefits to Existing Users such as households. (Equivalent dwelling units), traffic Counts, etc | 0 | 2 | 4 | 6 | 8 | 10 | 10 | 0+ | 100+ | 350+ | 500+ | 750+ | 1000+ | 9 | | | | | |
| 9 | | SUBTOTAL RANKING POINTS (MAX = 115) | | | | | | | | 85 | Other Info Does this project have a significant impact on productive farmland? YES NO Attach impact statement if yes Is the Applicant ready to proceed to bids after State Approval within 6 months? YES NO | | | | | | | | | | |
| 10 | | COUNTY PRIORITY POINTS (25-29-13) | | | | | | | | | | | | | | | | | | | |
| 11 | | DISCRETIONARY POINTS (BY DISTRICT ONLY) (MAX =12) | | | | | | | | | | | | | | | | | | | |
| 12 | | GRAND TOTAL RANKING POINTS | | | | | | | | | | | | | | | | | | | |

**NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: SCHUBERTSOUTH OF ST RT 15
Location: SCHUBERTSOUTH OF ST RT 15**

A study of vehicle traffic was conducted with HI-STAR unit number 5390. The study was done in the NORTH lane on SCHUBERTSOUTH OF ST RT 15 in HIGHLAND, OH in DEFIANCE county. The study began on 04/10/2019 at 01:00 PM and concluded on 04/11/2019 at 01:00 PM, lasting a total of 24 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 75 vehicles passed through the location with a peak volume of 8 on 04/11/2019 at 10:00 AM and a minimum volume of 0 on 04/10/2019 at 09:00 PM. The AADT Count for this study was 75.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

| | | | | | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|------|
| < 10 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | > 75 |
| 0 | 0 | 2 | 0 | 1 | 4 | 5 | 8 | 11 | 16 | 15 | 8 | 2 | 1 | 2 |

Half of the vehicles were traveling at 50 Mph or a lower speed. The average speed for all classified vehicles was 48 Mph with 17.3 percent exceeding the posted speed of 55 Mph. The HI-STAR found 17.3 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 50 Mph and the 85th percentile was 56.59 Mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

| | | | | | | | |
|------|----|----|----|----|----|----|------|
| < 21 | 21 | 28 | 40 | 50 | 60 | 70 | > 80 |
| 73 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 74 which represents 98.70 percent of the total classified vehicles. The number of Small Trucks in the study was 1 which represents 1.30 percent of the total classified vehicles. The number of Trucks/Busses in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 04/11/2019 at 10:00 AM the average headway between the vehicles was 400.0 seconds. The slowest traffic period was on 04/10/2019 at 09:00 PM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 44 and 83 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

**NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: SCHUBERTSOUTH OF ST RT 15
Location: SCHUBERTSOUTH OF ST RT 15**

A study of vehicle traffic was conducted with HI-STAR unit number 5573. The study was done in the SOUTH lane on SCHUBERTSOUTH OF ST RT 15 in HIGHLAND, OH in DEFIANCE county. The study began on 04/10/2019 at 01:00 PM and concluded on 04/11/2019 at 01:00 PM, lasting a total of 24 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 87 vehicles passed through the location with a peak volume of 13 on 04/10/2019 at 04:00 PM and a minimum volume of 0 on 04/10/2019 at 10:00 PM. The AADT Count for this study was 87.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

| | | | | | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|------|
| < 10 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | > 75 |
| 0 | 1 | 1 | 0 | 1 | 4 | 8 | 8 | 13 | 29 | 12 | 6 | 3 | 1 | 0 |

Half of the vehicles were traveling at 50 Mph or a lower speed. The average speed for all classified vehicles was 47 Mph with 11.4 percent exceeding the posted speed of 55 Mph. The HI-STAR found 11.4 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 50 Mph and the 85th percentile was 54.23 Mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

| | | | | | | | |
|------|----|----|----|----|----|----|------|
| < 21 | 21 | 28 | 40 | 50 | 60 | 70 | > 80 |
| 76 | 7 | 3 | 1 | 0 | 0 | 0 | 0 |

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 83 which represents 95.40 percent of the total classified vehicles. The number of Small Trucks in the study was 3 which represents 3.40 percent of the total classified vehicles. The number of Trucks/Busses in the study was 1 which represents 1.10 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 04/10/2019 at 04:00 PM the average headway between the vehicles was 257.14 seconds. The slowest traffic period was on 04/10/2019 at 10:00 PM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 42 and 82 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

**NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: OPENLANDER SOUTH OF ST RT 249
Location: OPENLANDER SOUTH OF ST RT 249**

A study of vehicle traffic was conducted with HI-STAR unit number 5573. The study was done in the NORTH lane on OPENLANDER SOUTH OF ST RT 249 in FARMER, OH in DEFIANCE county. The study began on 04/29/2019 at 11:00 AM and concluded on 04/30/2019 at 11:00 AM, lasting a total of 24 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 121 vehicles passed through the location with a peak volume of 15 on 04/30/2019 at 07:00 AM and a minimum volume of 0 on 04/29/2019 at 10:00 PM. The AADT Count for this study was 121.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

| | | | | | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|------|
| < 10 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | > 75 |
| 0 | 2 | 1 | 4 | 4 | 7 | 15 | 13 | 24 | 27 | 15 | 6 | 1 | 1 | 1 |

Half of the vehicles were traveling at 45 Mph or a lower speed. The average speed for all classified vehicles was 44 Mph with 7.44 percent exceeding the posted speed of 55 Mph. The HI-STAR found 7.44 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 50 Mph and the 85th percentile was 52.45 Mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

| | | | | | | | |
|------|----|----|----|----|----|----|------|
| < 21 | 21 | 28 | 40 | 50 | 60 | 70 | > 80 |
| 108 | 5 | 4 | 2 | 2 | 0 | 0 | 0 |

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 113 which represents 93.40 percent of the total classified vehicles. The number of Small Trucks in the study was 4 which represents 3.30 percent of the total classified vehicles. The number of Trucks/Busses in the study was 2 which represents 1.70 percent of the total classified vehicles. The number of Tractor Trailers in the study was 2 which represents 1.70 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 04/30/2019 at 07:00 AM the average headway between the vehicles was 225.0 seconds. The slowest traffic period was on 04/29/2019 at 10:00 PM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 48 and 54 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: OPENLANDER SOUTH OF ST RT 249
Location: OPENLANDER SOUTH OF ST RT 249

A study of vehicle traffic was conducted with HI-STAR unit number 5390. The study was done in the SOUTH lane on OPENLANDER SOUTH OF ST RT 249 in FARMER, OH in DEFIANCE county. The study began on 04/29/2019 at 11:00 AM and concluded on 04/30/2019 at 11:00 AM, lasting a total of 24 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 119 vehicles passed through the location with a peak volume of 15 on 04/30/2019 at 07:00 AM and a minimum volume of 0 on 04/29/2019 at 11:00 PM. The AADT Count for this study was 119.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

| | | | | | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|----|----|----|------|
| < 10 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | > 75 |
| 0 | 1 | 1 | 1 | 5 | 2 | 10 | 15 | 30 | 22 | 23 | 5 | 2 | 1 | 1 |

Half of the vehicles were traveling at 45 Mph or a lower speed. The average speed for all classified vehicles was 46 Mph with 7.56 percent exceeding the posted speed of 55 Mph. The HI-STAR found 7.56 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 45 Mph and the 85th percentile was 53.58 Mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

| | | | | | | | |
|------|----|----|----|----|----|----|------|
| < 21 | 21 | 28 | 40 | 50 | 60 | 70 | > 80 |
| 101 | 11 | 3 | 1 | 3 | 0 | 0 | 0 |

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 112 which represents 94.10 percent of the total classified vehicles. The number of Small Trucks in the study was 3 which represents 2.50 percent of the total classified vehicles. The number of Trucks/Busses in the study was 1 which represents 0.80 percent of the total classified vehicles. The number of Tractor Trailers in the study was 3 which represents 2.50 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 04/30/2019 at 07:00 AM the average headway between the vehicles was 225.0 seconds. The slowest traffic period was on 04/29/2019 at 11:00 PM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 48 and 54 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 50.00 percent of the time.

**NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: HARRIS SOUTH OF HOFFMAN
Location: HARRIS SOUTH OF HOFFMAN**

A study of vehicle traffic was conducted with HI-STAR unit number 4686. The study was done in the NORTH lane on HARRIS SOUTH OF HOFFMAN in HIGHLAND, OH in DEFIANCE county. The study began on 04/17/2017 at 01:00 PM and concluded on 04/18/2017 at 01:00 PM, lasting a total of 24 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 717 vehicles passed through the location with a peak volume of 78 on 04/18/2017 at 07:00 AM and a minimum volume of 4 on 04/17/2017 at 11:00 PM. The AADT Count for this study was 717.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

| | | | | | | | | | | | | | | |
|-----|---|----|----|----|----|----|----|----|----|-----|-----|-----|----|------|
| < 0 | 0 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | > 75 |
| 0 | 0 | 1 | 2 | 3 | 1 | 5 | 5 | 19 | 51 | 135 | 245 | 124 | 40 | 21 |

Half of the vehicles were traveling at 0 Mph or a lower speed. The average speed for all classified vehicles was 0 Mph with 0.00 percent exceeding the posted speed of 55 Mph. The HI-STAR found 0 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 0 Mph and the 85th percentile was 0.5 Mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

| | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|
| < 0 | 0 | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Small Trucks in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Trucks/Busses in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 04/18/2017 at 07:00 AM the average headway between the vehicles was 45.57 seconds. The slowest traffic period was on 04/17/2017 at 11:00 PM. During this slowest period, the average headway was 720.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 52 and 101 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

**NU-METRICS Traffic Analyzer Study
Computer Generated Summary Report
Route: HARRIS SOUTH OF HOFFMAN
Location: HARRIS SOUTH OF HOFFMAN**

A study of vehicle traffic was conducted with HI-STAR unit number 5573. The study was done in the NORTH lane on HARRIS SOUTH OF HOFFMAN in HIGHLAND, OH in DEFIANCE county. The study began on 05/07/2018 at 11:00 AM and concluded on 05/08/2018 at 11:00 AM, lasting a total of 24 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 675 vehicles passed through the location with a peak volume of 85 on 05/08/2018 at 07:00 AM and a minimum volume of 2 on 05/08/2018 at 12:00 AM. The AADT Count for this study was 675.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

| | | | | | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|-----|-----|----|----|------|
| < 10 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | > 75 |
| 0 | 0 | 1 | 1 | 2 | 3 | 10 | 11 | 20 | 62 | 211 | 248 | 78 | 25 | 2 |

Half of the vehicles were traveling at 60 Mph or a lower speed. The average speed for all classified vehicles was 57 Mph with 52.3 percent exceeding the posted speed of 55 Mph. The HI-STAR found 52.3 percent of the total vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 60 Mph and the 85th percentile was 60.75 Mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

| | | | | | | | |
|------|----|----|----|----|----|----|------|
| < 21 | 21 | 28 | 40 | 50 | 60 | 70 | > 80 |
| 619 | 22 | 14 | 6 | 7 | 4 | 2 | 0 |

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 641 which represents 95.10 percent of the total classified vehicles. The number of Small Trucks in the study was 14 which represents 2.10 percent of the total classified vehicles. The number of Trucks/Busses in the study was 6 which represents 0.90 percent of the total classified vehicles. The number of Tractor Trailers in the study was 13 which represents 1.90 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 05/08/2018 at 07:00 AM the average headway between the vehicles was 41.86 seconds. The slowest traffic period was on 05/08/2018 at 12:00 AM. During this slowest period, the average headway was 1200.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 52 and 109 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

Ohio Public Works Commission

SUMMARY FORM

REQUIRED

Submit to Commission/Update Annually

Defiance County 039-00039 Defiance 8/24/2019
 Subdivision Code County Date

| Infrastructure Component | Replacement Cost | Repair Cost | Total Units | Units/Physical Condition | | | | | |
|--------------------------|--------------------|-------------------|-----------------------------------|--------------------------|--------|-------|-------|----------|---------|
| | | | | Excellent | Good | Fair | Poor | Critical | Unknown |
| Roads | 9,832,878 | 24,571,819 | Center Line Miles 325.00 | 114.00 | 101.00 | 95.00 | 15.00 | | |
| Bridges | 116,386,437 | 21,860,247 | Number of Bridges 230 | 194 | 16 | 14 | 6 | | |
| Culverts | 12,338,314 | 2,960,168 | Number of Culverts 3,380 | 290 | 2,424 | 576 | 84 | 6 | |
| Water Supply Systems | | | Number of Facilities 0 | | | | | | |
| Water Distribution | 228,240 | 727,028 | Linear Feet (Thousands) 32.80 | 27.00 | 5.80 | | | | |
| Wastewater Systems | 3,194,967 | 162,437 | Number of Facilities 4 | 1 | 2 | 1 | | | |
| Wastewater Collection | 6,128,154 | 606,393 | Linear Feet (Thousands) 106.00 | 40.00 | 19.00 | 47.00 | | | |
| Stormwater Collection | 730,980 | 0 | Linear Feet (Thousands) 11.70 | 11.70 | | | | | |
| Solid Waste Disposal | 416,405 | 13,666,982 | Capacity (Tons per Day) 750 | 750 | | | | | |
| Totals | 149,256,375 | 64,555,074 | | | | | | | |

Subdivision Socio-Economic Characteristics

| Current | 2010 Census Information | | | | |
|------------------|-------------------------|------------|------------------|------------|-------|
| | Population | 38,165 | Population Total | 38,165 | % LMI |
| Total Households | 16,663 | Households | 16,663 | % Poverty | 9.50% |
| % Unemployment | 4% | MHI | \$55,295 | % Unemploy | 4.10% |

Preparer's Name, Phone Number, email : Bridgette Miller, 419.782.4751, doesstaff@defiance-county.com

Ohio Public Works Commission
Five Year Capital Improvement Plan/Maintenance of Effort

REQUIRED

Submit to Commission/Update Annually

Defiance County

039-00039

8/24/19

Subdivision

Code

Date

| Project Name/Description | Funding Codes(s) | Status (A) Active (P) Pending (C) Complete | Total Cost | Two Year Effort | | Five Year Plan | | | | | |
|---------------------------------|------------------|---|------------|-----------------|---------|----------------|---------|---------|---------|---------|--|
| | | | | Yr 2018 | Yr 2019 | Yr 2020 | Yr 2021 | Yr 2022 | Yr 2023 | Yr 2024 | |
| | | | | Funded | | | | Planned | | | |
| 2018 Bridge Replacement Program | C | C | 800,000 | 800,000 | | | | | | | |
| 2018 Resurfacing Program | C | C | 950,000 | 950,000 | | | | | | | |
| 2018 Pavement Marking Program | C | C | 90,000 | 90,000 | | | | | | | |
| 2019 Pavement Marking Program | LF | A | 100,000 | 100,000 | | | | | | | |
| 2019 Resurfacing Program | LF & OPWC | A | 800,000 | 800,000 | | | | | | | |
| 2019 Bridge Replacement Program | LF | A | 850,000 | 850,000 | | | | | | | |
| 2020 Pavement Marking Program | LF | P | 85,000 | | 85,000 | | | | | | |
| 2020 Resurfacing Program | LF & OPWC | P | 850,000 | | 850,000 | | | | | | |
| 2020 Bridge Replacement Program | LF | P | 800,000 | | 800,000 | | | | | | |
| 2021 Resurfacing Program | LF & OPWC | P | 950,000 | | | 950,000 | | | | | |
| 2021 Bridge Replacement Program | LF | P | 975,000 | | | 975,000 | | | | | |
| 2021 Pavement Marking Program | LF | P | 975,000 | | | 975,000 | | | | | |
| 2022 Resurfacing Program | LF & OPWC | P | 975,000 | | | | | 975,000 | | | |
| 2022 Bridge Replacement Program | LF | P | 975,000 | | | | | 975,000 | | | |
| 2022 Pavement Marking Program | LF | P | 125,000 | | | | | 125,000 | | | |
| 2023 Resurfacing Program | LF & OPWC | P | 975,000 | | | | | | 975,000 | | |
| 2023 Bridge Replacement Program | LF | P | 975,000 | | | | | | 975,000 | | |
| 2023 Pavement Marking Program | LF | P | 125,000 | | | | | | 125,000 | | |

Ohio Public Works Commission
Five Year Capital Improvement Plan/Maintenance of Effort

REQUIRED

Submit to Commission/Update Annually

Defiance County
Subdivision

Code

039-00039

Date
8/24/19

| Project Name/Description | Funding Codes(s) | Status (A) Active (P) Pending (C) Complete | Total Cost | Two Year Effort <i>Funded</i> | | Five Year Plan <i>Planned</i> | | | | | | | | | | | | | |
|------------------------------------|------------------|---|------------|----------------------------------|---------|----------------------------------|---------|---------|---------|---------|--|--|--|--|--|--|--|--|---------|
| | | | | Yr 2018 | Yr 2019 | Yr 2020 | Yr 2021 | Yr 2022 | Yr 2023 | Yr 2024 | | | | | | | | | |
| 2024 Pavement Marking Program | LF & LPA | P | 125,000 | | | | | | | | | | | | | | | | 125,000 |
| 2024 Bridge Replacement Program | LF | P | 975,000 | | | | | | | | | | | | | | | | 975,000 |
| 2024 Resurfacing Program | LF & OPWC | P | 975,000 | | | | | | | | | | | | | | | | 975,000 |
| Landfill Methane Gas Collection | LF | P | 20,000 | 20,000 | | | | | | | | | | | | | | | |
| Landfill Final Cover | LF | A | 350,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | | | | | | | | | | | |
| Landfill Expansion | LF | A | 5,750,000 | 100,000 | 50,000 | 50,000 | 50,000 | 50,000 | | | | | | | | | | | |
| Landfill Monitoring Well Expansion | LF | A | 300,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | | | | | | | | | | | |
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