



DEPARTMENT OF PUBLIC WORKS

Division of Engineering

222 Meigs Street
Sandusky, Ohio 44870
419.627.5829
www.ci.sandusky.oh.us

September 7, 2018

Steve Poggiali, Director
Erie Regional Planning Commission
2900 Columbus Avenue
Sandusky, Ohio 44870

**Re: OHIO PUBLIC WORKS COMMISSION, Round 33
City of Sandusky, Buchanan Street Reconstruction Project**

Dear Mr. Poggiali,

The City of Sandusky passed resolution 033-18R at the August 27, 2018, City Commission Meeting approving the submittal of the following Ohio Public Works Commission (OPWC), Round 33 application. Enclosed is one original and one copy of the complete-application for the Buchanan Street Reconstruction Project.

Your assistance in processing these applications and forwarding them to the State of Ohio is sincerely appreciated. We are available to walk the project site with interested individuals or answering any questions that could assist with the review process.

Sincerely,

Aaron M. Klein, PE

Director of Public Works

CC: file



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OPWC Round 33 Contents Included with Application

State of Ohio Public Works Commission, Application for Finance Assistance
District 5 Capital Improvements Projects, Questionnaire Round 33
Supplemental Project Narrative
Engineer's Estimate, Stamped and Signed by Project Engineer, Jeffrey Keefe, P.E.
Project Area Map and Current Roadway Photos
Certification of Local Funds Available, Signed by Finance Director, Hank Solowiej, CPA
Resolution 033-18R, Certified by City Commission Clerk, Kelly Kresser, CMC
Support Letter for Project, Submitted and Signed by Fire Chief, Rick Wilcox
Support Letter for Project, Submitted and Signed by Supt. Eugene Sanders, Ph.D.
Traffic Counts
City of Sandusky, Water & Sewer Rates



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: City of Sandusky Subdivision Code: 043-70348
 District Number: 5 County: Erie Date: 09/07/2018
 Contact: Aaron Klein Phone: (419) 627-5829
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)
 Email: aklein@ci.sandusky.oh.us FAX: (419) 627-5933

Project

Project Name: Buchanan Street Reconstruction (Hayes to Campbell) Zip Code: 44870

| Subdivision Type <small>(Select one)</small> | Project Type <small>(Select single largest component by \$)</small> | Funding Request Summary <small>(Automatically populates from page 2)</small> |
|---|--|---|
| <input type="checkbox"/> 1. County | <input checked="" type="checkbox"/> 1. Road | Total Project Cost: <u>350,000.00</u> |
| <input checked="" type="checkbox"/> 2. City | <input type="checkbox"/> 2. Bridge/Culvert | 1. Grant: <u>175,000.00</u> |
| <input type="checkbox"/> 3. Township | <input type="checkbox"/> 3. Water Supply | 2. Loan: <u>0.00</u> |
| <input type="checkbox"/> 4. Village | <input type="checkbox"/> 4. Wastewater | 3. Loan Assistance/ Credit Enhancement: <u>0.00</u> |
| <input type="checkbox"/> 5. Water (6119 Water District) | <input type="checkbox"/> 5. Solid Waste | Funding Requested: <u>175,000.00</u> |
| | <input type="checkbox"/> 6. Stormwater | |

District Recommendation (To be completed by the District Committee)

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

For OPWC Use Only

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

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

1.1 Project Estimated Costs

Engineering Services

| | | | |
|-------------------------------|-----------|-------------|------|
| Preliminary Design: | _____ | 0 .00 | |
| Final Design: | _____ | 14,000 .00 | |
| Construction Administration: | _____ | 6,000 .00 | |
| Total Engineering Services: | a.) _____ | 20,000 .00 | 7 % |
| Right of Way: | b.) _____ | .00 | |
| Construction: | c.) _____ | 300,000 .00 | |
| Materials Purchased Directly: | d.) _____ | .00 | |
| Permits, Advertising, Legal: | e.) _____ | .00 | |
| Construction Contingencies: | f.) _____ | 30,000 .00 | 10 % |
| Total Estimated Costs: | g.) _____ | 350,000 .00 | |

1.2 Project Financial Resources

Local Resources

| | | | |
|---|-----------|-------------|------|
| Local In-Kind or Force Account: | a.) _____ | 20,000 .00 | |
| Local Revenues: | b.) _____ | 155,000 .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.) _____ | 175,000 .00 | 50 % |

OPWC Funds (Check all requested and enter Amount)

| | | | |
|---------------------------------------|-----------|-------------|-------|
| Grant: <u>100</u> % of OPWC Funds | j.) _____ | 175,000 .00 | |
| Loan: <u>0</u> % of OPWC Funds | k.) _____ | .00 | |
| Loan Assistance / Credit Enhancement: | l.) _____ | 0 .00 | |
| Subtotal OPWC Funds: | m.) _____ | 175,000 .00 | 50 % |
| Total Financial Resources: | n.) _____ | 350,000 .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: | <u>350,000</u> .00 | <u>100</u> % | A Farmland Preservation letter is required for any impact to farmland |
| 2.2 Total Portion of Project New / Expansion: | <u>0</u> .00 | <u>0</u> % | |
| 2.3 Total Project: | <u>350,000</u> .00 | <u>100</u> % | |

3.0 Project Schedule

| | | |
|---|-------------------------------|-----------------------------|
| 3.1 Engineering / Design / Right of Way | Begin Date: <u>12/01/2018</u> | End Date: <u>04/01/2019</u> |
| 3.2 Bid Advertisement and Award | Begin Date: <u>05/01/2019</u> | End Date: <u>06/28/2019</u> |
| 3.3 Construction | Begin Date: <u>07/01/2019</u> | End Date: <u>06/26/2020</u> |

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: 20 Years Age: 1967 (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 1,361 Year 2018 Projected ADT 1,500 Year 2020

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

Residential Water Rate Current \$ _____ Proposed \$ _____

Number of households served: 0

Residential Wastewater Rate Current \$ _____ Proposed \$ _____

Number of households served: 0

Stormwater: Number of households served: 0

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.

The Buchanan Street project is located between Hayes Avenue/SR4 (west end) and Campbell Street (east end). Hayes and Campbell are both north-south arterial roadways into/out of downtown Sandusky.

The current High School and Middle School are located to the south of this roadway. A new Buchanan Street entrance to the current schools will continue to be used for in bound traffic during student drop-off and pickup each day. A new Intermediate School will open in 2020 on the south side of Buchanan

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

Hayes to Thomas

Removal of concrete pavement and reconstruction of concrete curbs/gutters and reconstructed asphalt pavement with underdrains. Castings will be reset with concrete adjustments. Concrete aprons will only be replaced when needed to adjust to the new gutter lines. New curb ramps will be installed at the Thomas intersection to provide access to the new and existing schools.

Thomas to Campbell

Removal and replacement of concrete pavement panels due to pavement failure. Replacement areas will be determined in field.

in 2015, Transmap prepared PCI ratings for all pavement sections within the City:

Buchanan

Hayes to Thomas 51(2015) 39(2018 projected)
Thomas to Sherman 60(2015) 48(2018 projected)
Sherman to Campbell 69(2015) 51(2018 projected)

With the condition of the concrete pavement, we have determined that removal of the existing pavement with full depth reconstruction with an asphalt section is the best solution for the new pavement for the Hayes to Thomas section.

- 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.

The 27' wide x 1175 ft long project will include:
3450sy of concrete pvmt removal, 1700 lf of new concrete curb and gutter
3000sy of new asphalt pavement and base
1900sf of replaced conc aprons
300sf of conc walks, 1500sf conc pvmt
8 handicap ramps (replaced and new)
2500 lf of underdrain
11 casting adjustments to new pvmt grades
Signs and striping

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: Eric Wobser
Title: City Manager
Address: 222 Meigs Street

City: Sandusky State: OH Zip: 44870
Phone: (419) 627-5844
FAX: (419) 627-5825
E-Mail: ewobser@ci.sandusky.oh.us

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

Name: Hank Solowiej
Title: Finance Director
Address: 222 Meigs Street

City: Sandusky State: OH Zip: 44870
Phone: (419) 627-5776
FAX: (419) 627-5892
E-Mail: hsolowiej@ci.sandusky.oh.us

5.3 Project Manager

Name: Aaron Klein, P.E.
Title: Director of Public Works
Address: 222 Meigs Street

City: Sandusky State: OH Zip: 44870
Phone: (419) 627-5829
FAX: (419) 627-5933
E-Mail: aklein@ci.sandusky.oh.us

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. Per District 5 Questionnaire
- 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

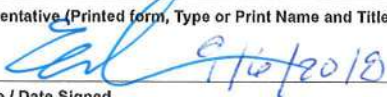
The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission as identified in the attached legislation; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (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.

Eric Wobser, City Manager

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

Original Signature / Date Signed

 9/10/2018

Revised: April 17, 2018

**DISTRICT 5
CAPITAL IMPROVEMENT PROJECTS
QUESTIONNAIRE
ROUND 33**

Name of Applicant: City of Sandusky

Project Title: Bochman Street Reconstruction

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. **Communities and Townships under 5,000 in population should also complete the Small Government Criteria.**

1. What percentage of the project in repair A= 0%, replacement B=100%, 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=100% 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:

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.

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

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 **NA**

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 **NA**

Extremely Critical: Structurally deficient or functionally obsolete. Deterioration has already caused a safety Critical: 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 NA

- 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 NA

- 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 NA

- 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.

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 = \$ 175,000
B.) Total Project Cost = \$ 350,000

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 0 % Gifts 0 %, Contributions 0 %

Other 0 % (explain) _____ , Total 0 %

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
- _____ \$275,001-\$325,000
- _____ \$175,001-\$275,000
- X _____ \$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 X NO _____

(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

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 protects” 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 33 project considered for Small Government Funding please download the Small Government Evaluation Criteria applicable to Round 33 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 32.

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 \$ 5.00
4504.15 or 4504.17 \$ 5.00
4504.16 or 4504.171 \$ 5.00
4504.172 \$ 5.00
4504.18 \$ 0

Special property taxes

5555.48 \$ 0
5555.49 \$ 0

Capital Improvement Project

Priority Rating Sheet, Round 33

Revised 04/17/18

PROJECT NUMBER

| COUNTY: ERIE | | PROJECT: BUCHANAN STREET RECONSTRUCTION | | | | | | | | | | PROJECT NUMBER | | | |
|---|---------------|--|------------------|----|---|---|---|----|-------------------------------------|-----------------------|-----------------------|----------------------------|---|-----------------------------|---|
| EST. COST: \$350,000 | | | | | | | | | | | | | | | |
| NO | WEIGHT FACTOR | CRITERIA TO BE CONSIDERED | PRIORITY FACTORS | | | | | | | | | | RANKING | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | |
| 1 | 1 | (Repair or Replace) vs. (New or Expansion) | 0 | 2 | 4 | 6 | 8 | 10 | 0% + | 20% + | 40% + | 60%+ Repair or Replacement | 80%+ Repair or Replacement | 100%+ Repair or Replacement | 1 |
| | | | | | | | | | Repair or Replacement | Repair or Replacement | Repair or Replacement | | | | |
| 2 | 1.5 | Existing Physical Condition: Must submit substantiating documentation and CIR (100% New or Expansion = 0 Points) | 0 | 2 | 4 | 6 | 8 | 10 | 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 | 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 | 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%+ | 10%+ | 20%+ | 30%+ | 40%+ | 50%+ | 5 |
| | | | | | | | | | | | | | | | |
| NO | WEIGHT FACTOR | CRITERIA TO BE CONSIDERED | PRIORITY FACTORS | | | | | | | | | | RANKING | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | |
| 6 | 2 | OPWC Grant and Loan Funding Requested; Please refer to Item 6 on Questionnaire for Clarification. | -9 | -8 | 0 | 8 | 9 | 10 | Grant or Loan Only \$500,001 | \$400,001 to | \$325,001 | \$275,001 | \$175,001 | \$175,000 | 6 |
| | | | | | | | | | or more | \$500,000 | \$400,000 | \$325,000 | \$275,000 | or less | |
| | 2 | | -9 | -8 | 0 | 8 | 9 | 10 | Grant/Loan Combination \$750,000 | \$600,001 to | \$487,501 to | \$412,501 to | \$262,501 to | \$262,500 | 6 |
| | | | | | | | | | or more | \$750,000 | \$600,000 | \$487,500 | \$412,500 | or less | |
| 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 | WEIGHT FACTOR | CRITERIA TO BE CONSIDERED | PRIORITY FACTORS | | | | | | | | | | RANKING | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 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+ 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 | 0+ | 100+ | 350+ | 500+ | 750+ | 1000+ | 9 |
| | | | | | | | | | | | | | | | |
| 9 | | SUBTOTAL RANKING POINTS (MAX. = 115) | | | | | | | | | | | 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 (25-20-15) | | | | | | | | | | | | | |
| 11 | | DISCRETIONARY POINTS (BY DISTRICT ONLY) (MAX.=12) | | | | | | | | | | | | | |
| 12 | | GRAND TOTAL RANKING POINTS | | | | | | | | | | | | | |

* Applicants must certify local share contribution. Specify all funding sources to be utilized as local share at the time of application submittal.

OPWC Round 33

Buchanan Street Reconstruction Project

Supplemental Project Narrative

Project Information:

Roadway – This project is located on a major east-west road that allows traffic from Campbell Street to travel west to the Hayes Avenue underpass when the Campbell Street railroad grade crossing is closed. Traffic also travels east from Hayes Avenue to Campbell then north to Scott Street, to the eastern side of Sandusky.

City records indicate this street was last paved in roughly 1967, with minimal ongoing maintenance. The pavement survey conducted in 2015 rated the Hayes to Thomas section as a PCI (Pavement Condition Index) of 51, the Thomas to Sherman section as a PCI of 60 and the Sherman to Campbell section as a PCI of 69. The PCI values should be reduced by 8 respectively to account for the two years since the survey was completed. As the provided photos show, the pavement is in very poor condition and will continue to deteriorate causing a worse driving condition for vehicular traffic passing through this area. Reconstructing this roadway will provide a twenty year useful life.

Our proposed project would maintain existing curbs where they are in an acceptable condition to remain. New curbs will be installed where sections need to be removed. The driving lanes will be removed and reconstructed with an asphalt pavement section.

The two street sections listed in the application are comprised of mostly single-family units and include Fireland's Regional Medical Center—South Campus, located at the northeast corner of Hayes and Buchanan—and the future Intermediate School, located on the south side of Buchanan. The school is currently under-construction with a scheduled opening for the 2020 school year.

An entrance to the new Intermediate School, as well as the City High School, will be located on Buchanan Street and will serve as the primary entrance to the campus for all vehicular traffic, including buses. The current ADT is 1361 with a projected ADT of 1500 in 2020, once both schools will be using the Buchanan entrance. This entrance will also provide access for emergency services to the school campus. A letter of support from City of Sandusky Fire Chief, Richard Wilcox is included within the Supporting Documentation Section.

Additionally, a letter of support is included from Sandusky City Schools Superintendent, Dr. Eugene Sanders, emphasizing the importance of providing a safe and efficient means to transport students to and from the surrounding community and its bearing on this significant investment in school improvements.

HEALTH AND SAFETY: It is incumbent upon the City to maintain streets free of nuisance. Lack of repairs and reconstruction would cause further damage to conditions already hazardous to drivers and personal property.

The age of the concrete pavement has caused severe deterioration of the driving surface along the

entire length. Storm water routinely collects in some areas of the roadway. When it freezes, it creates a very hazardous condition for vehicular traffic in the winter, including opportunities for hydroplaning when conditions are unfavorable.

The new roadway will provide the main access to the 2400 students, 200 staff and parents that will use the school campus. It is also the primary bus access, so the new surface will offer a smoother route to the bus and student drop-off areas. With the new Intermediate School, students will be bused to this location, where before they walked or were bused to their elementary school.

OVERALL ECONOMIC HEALTH OF THE COMMUNITY: Several factors have contributed to the need for additional resources in the City of Sandusky. This region has endured the loss of many manufacturing jobs over the last decade while new employment opportunities in the community have tended to occur in lower-paying retail and service industries. According to the Ohio Department of Job and Family Services, the unemployment rate in Erie County is 5.9% (July 2018) and the State of Ohio is 4.6% (July 2018).

The EPA has also put requirements on the City in regards to effluent limits, sewer overflow events and storm water pollution prevention. These new stipulations will likely redirect City funds that would normally be available for infrastructure projects to installation of new storm sewers, repair or rerouting of existing sewers and improvements to or new equipment for the wastewater treatment and water treatment plants. The City has recently increased the current sewer and water rate structures to accommodate some of the required sewer, water, storm and street drainage problems.

City of Sandusky

Buchanan Street Reconstruction Project (Hayes to Campbell)

Full Depth Reconstruction

\$ 300,000.00

| Project Items | unit/qty | | \$/unit | | Item Cost |
|------------------------------|----------|----|---------|-----------|------------------|
| Project Items | | | | \$ | 33,665.00 |
| Bonding | 3665.00 | ls | \$ 1.00 | \$ | 3,665.00 |
| Mobilization/demobilization | 10000 | ls | \$ 1.00 | \$ | 10,000.00 |
| Maintenance of Traffic | 10000 | ls | \$ 1.00 | \$ | 10,000.00 |
| Construction Layout | 5000 | ls | \$ 1.00 | \$ | 5,000.00 |
| Erosion and Sediment Control | 5000 | ea | \$ 1.00 | \$ | 5,000.00 |

| | unit/qty | | \$/unit | | Item Cost |
|---|----------|----|---------|-----------|------------------|
| Pavement Demolition | 3450 | | | \$ | 46,500.00 |
| Demo Concrete Pvrnt 7" avg Removed by equip (inc curbs) | 3450 | sy | \$ 8.00 | \$ | 27,600.00 |
| Concrete Pavement (Isolated panel and joint removal) | 1500 | sf | \$ 2.00 | \$ | 3,000.00 |
| Concrete Pavement (New isolated panels and joint repairs) | 1500 | sf | \$ 7.00 | \$ | 10,500.00 |
| Saw cutting (depth to bottom of pavement) | 1800 | lf | \$ 3.00 | \$ | 5,400.00 |

| Conc Curb and Gutter | unit/qty | | | \$ | 34,000.00 |
|--------------------------------|----------|----|----------|-----------|------------------|
| 609 Conc Curb and Gutter (New) | 1700 | lf | \$ 20.00 | \$ | 34,000.00 |

| Full Depth Asphalt | unit/qty | | | \$ | 111,890.00 |
|---|----------|-----|----------|-----------|-------------------|
| 441 Asphalt PG64-22 Type 1 Surface Course 1.5" | 250 | ton | \$ 75.00 | \$ | 18,750.00 |
| 407 Tack Coat 0.08 Gal/sy | 240 | gal | \$ 3.50 | \$ | 840.00 |
| 441 Asphalt PG64-22 Type 1 Intermediate Course 1.5" | 250 | ton | \$ 73.00 | \$ | 18,250.00 |
| 407 Tack Coat 0.05 Gal/sy | 150 | gal | \$ 2.25 | \$ | 337.50 |
| 441 Asphalt 3.5" 301 | 583 | ton | \$ 60.00 | \$ | 35,000.00 |
| 304 Compacted Aggregate Base 7" | 817 | ton | \$ 17.00 | \$ | 13,883.33 |
| 205 Subgrade Comp w/tensar TX 140 Geogrid or equal | 3000 | sy | \$ 3.25 | \$ | 9,750.00 |
| 203 Roadway Excavation use 6.5" | 542 | cy | \$ 16.00 | \$ | 8,666.67 |
| 407 AC Gutter banding | 2550 | lf | \$ 0.75 | \$ | 1,912.50 |
| Asphalt Sealer (Rejuvenate) | 3000 | sy | \$ 1.50 | \$ | 4,500.00 |

| Concrete | unit/qty | | | \$ | 32,720.00 |
|--|----------|----|-----------|-----------|------------------|
| 609 Demo Concrete Sidewalk (per plan) | 300 | sf | \$ 2.00 | \$ | 600.00 |
| 609 Demo Concrete Apron | 1600 | sf | \$ 2.25 | \$ | 3,600.00 |
| 609 Demo Concrete HC Ramp | 1900 | sf | \$ 2.00 | \$ | 3,800.00 |
| 609 Demo Asphalt Pavement | 550 | sf | \$ 7.00 | \$ | 3,850.00 |
| 609 Concrete Walk 4" (per plan) | 300 | sf | \$ 5.50 | \$ | 1,650.00 |
| 609 Concrete Residential Apron 6" | 220 | sf | \$ 6.00 | \$ | 1,320.00 |
| 609 Concrete Commercial Apron 8" | 1700 | sf | \$ 7.00 | \$ | 11,900.00 |
| 609 HC Ramp (inc truncated domes - and any addl exc) | 8 | ea | \$ 750.00 | \$ | 6,000.00 |

| Pavement Markings/Signage/Landscaping | unit/qty | | | \$ | 13,725.00 |
|--|----------|----|-----------|-----------|------------------|
| 609 Stop Bars (2') | 25 | lf | \$ 9.00 | \$ | 225.00 |
| 609 Crosswalks (all striping on an each basis) | 3 | ea | \$ 300.00 | \$ | 900.00 |

| | | | | | | |
|-----|----------------------------------|-------|----|-----------|----|----------|
| 609 | "SCHOOL" Marking | 2 | ea | \$ 300.00 | \$ | 600.00 |
| 609 | Remove Sign (turn over to street | 5 | ea | \$ 50.00 | \$ | 250.00 |
| 609 | Stop Sign (new installed) | 3 | ea | \$ 500.00 | \$ | 1,500.00 |
| 609 | Speed Limit Sign (new installed) | 6 | ea | \$ 500.00 | \$ | 3,000.00 |
| 609 | No Parking Sign (new installed) | 6 | ea | \$ 500.00 | \$ | 3,000.00 |
| 609 | Topsoil 4" | 50.00 | cy | \$ 40.00 | \$ | 2,000.00 |
| 609 | Seeding and Mulch | 900 | sy | \$ 2.50 | \$ | 2,250.00 |

Utility and Public Works related Items

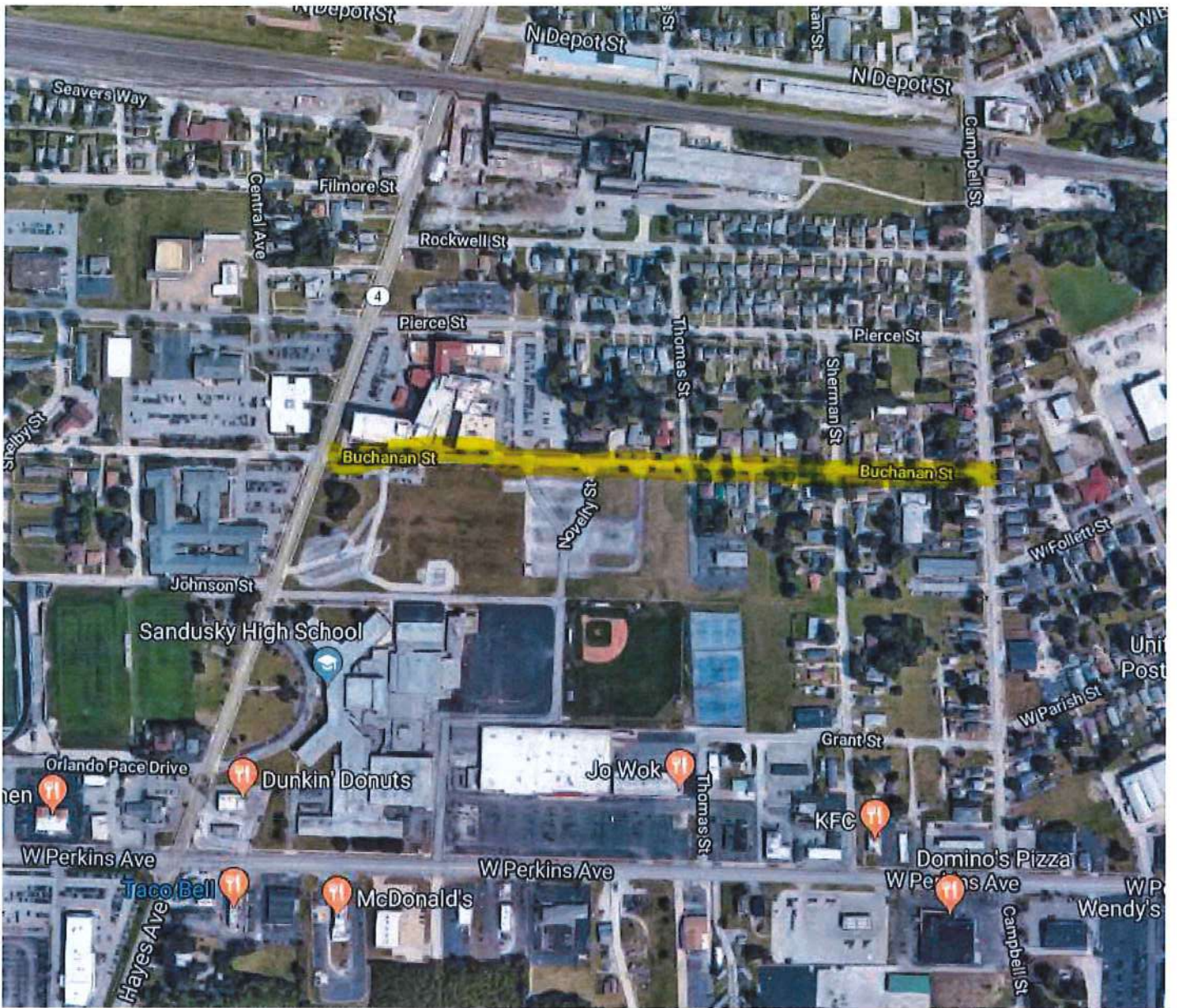
| | | | | | | |
|-----|--|----------|----|-------------|----|------------------|
| | | unit/qty | | \$ | | 27,500.00 |
| 609 | 4" UD along back of curb and gutter (inc connect to cb) | 2500 | ea | \$ 5.00 | \$ | 12,500.00 |
| 609 | Adjust CB casting to grade (contractor provides casting) | 4 | ea | \$ 1,200.00 | \$ | 4,800.00 |
| 609 | Adjust MH to grade (contractor provides castings) | 7 | ea | \$ 1,400.00 | \$ | 9,800.00 |
| 609 | Adjust MB to grade (contractor provides castings) | 1 | ea | \$ 400.00 | \$ | 400.00 |

| | | | | |
|--------------------------------|----|-----------|----|------------|
| Construction | | | \$ | 300,000.00 |
| Final Design | \$ | 14,000.00 | | |
| Construction Administration | \$ | 6,000.00 | \$ | 20,000.00 |
| Construction Contingencies 10% | | | \$ | 30,000.00 |
| | | | \$ | 350,000.00 |

Estimated useful life of Buchanan Street Reconstruction Project is 20 years.



Buchanan Street Vicinity Map



Buchanan Street - looking east from Hayes Avenue end



Buchanan Street – between Hayes Avenue and Thomas Street



Buchanan Street – between Hayes Avenue and Thomas Street



Buchanan Street – looking west at Thomas Street intersection



Buchanan Street – looking west Campbell Street end



**CHIEF FINANCIAL OFFICER'S CERTIFICATION OF
LOCAL FUNDS AVAILABLE**

August 30, 2018

I, Finance Director of the City of Sandusky, hereby certify that City of Sandusky has \$175,000 available in Capital Funds to be used to pay for the local share portion of the Buchanan Street Reconstruction Project when it will be required.

A handwritten signature in blue ink, appearing to read 'Hank S. Solowiej CPA', is written over a horizontal line.

Hank S. Solowiej, CPA
Finance Director

CERTIFICATION

I, Kelly L. Kresser, Clerk of the City Commission of the City of Sandusky, Ohio, do hereby certify that the attached is a true and correct copy of **Resolution 033-18R** adopted at a regular meeting of the Commission of the City of Sandusky, Erie County, Ohio, which was held on August 27, 2018.

Given under my hand and seal this 29th day of August, 2018



Kelly L. Kresser

Kelly L. Kresser, CMC
Clerk of the City Commission
City of Sandusky, Ohio

RESOLUTION NO. 033-18R

A RESOLUTION AUTHORIZING THE SUBMISSION OF AN APPLICATION BY THE CITY MANAGER FOR FINANCIAL ASSISTANCE AND TO ENTER INTO A PROJECT AGREEMENT WITH THE OHIO PUBLIC WORKS COMMISSION IN ORDER TO PARTICIPATE IN THE OHIO PUBLIC WORKS COMMISSION'S STATE CAPITAL IMPROVEMENT AND/OR LOCAL TRANSPORTATION IMPROVEMENT PROGRAMS AUTHORIZED BY CHAPTER 164 (AID TO LOCAL GOVERNMENT IMPROVEMENTS) OF THE OHIO REVISED CODE FOR THE BUCHANAN STREET RECONSTRUCTION PROJECT – HAYES AVENUE TO CAMPBELL STREET; AND DECLARING THAT THIS RESOLUTION TAKE IMMEDIATE EFFECT IN ACCORDANCE WITH SECTION 14 OF THE CITY CHARTER.

WHEREAS, Buchanan Street has extensive broken concrete pavement and has developed an uneven surface and the section from Hayes Avenue to Thomas Street was rated 51 out of 100 during the 2015 Street Condition Survey, with a current estimated rating of 43; and

WHEREAS, the proposed Buchanan Street Reconstruction Project – Hayes Avenue to Campbell Street involves the removal of concrete pavement, repairing subbase material where needed to the section between Hayes Avenue and Thomas Street, reconstruction with new asphalt pavement along with replacing sidewalks and handicap ramps where needed, and possibly replacement of isolated joints and panels for the section between Thomas Street and Campbell Street; and

WHEREAS, the estimated cost for the Buchanan Street Reconstruction Project – Hayes Avenue to Campbell Street is \$350,000.00 and the City is requesting funds in the amount of \$175,500.00, which is 50% of the estimated project cost; and

WHEREAS, a certified copy of the legislation approving the project is required by the governing body of the applicant; and

WHEREAS, this Resolution should be passed as an emergency measure under suspension of the rules in accordance with Section 14 of the City Charter in order for the grant application and Resolution to be submitted to the Ohio Public Works Committee by the deadline of September 7, 2018; and

WHEREAS, in that it is deemed necessary in order to provide for the immediate preservation of the public peace, property, health, and safety of the City of Sandusky, Ohio, and its citizens, and to provide for the efficient daily operation of the Municipal Departments, including the Department of Public Works, of the City of Sandusky, Ohio, the City Commission of the City of Sandusky, Ohio, finds that an emergency exists regarding the aforesaid, and that it is advisable that this Resolution be declared an emergency measure which will take immediate effect in accordance with Section 14 of the City Charter; and NOW, THEREFORE,

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF SANDUSKY, OHIO, THAT:

Section 1. This City Commission hereby approves the submission of an application for financial assistance with the Ohio Public Work's Commission's State Capital Improvement and/or Local Transportation Improvement Programs as

provided in Chapter 164 of the Ohio Revised Code for the Buchanan Street Reconstruction Project – Hayes Avenue to Campbell Street, authorizes and directs the City Manager to file the application for assistance and authorizes and directs the City Manager and/or Finance Director to provide any necessary information and assurances and to execute appropriate project agreements if assistance is awarded by the Ohio Public Works Commission.

Section 2. If any section, phrase, sentence, or portion of this Resolution is for any reason held invalid or unconstitutional by any Court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions thereof.

Section 3. This City Commission finds and determines that all formal actions of this City Commission concerning and relating to the passage of this Resolution were taken in an open meeting of this City Commission and that all deliberations of this City Commission and of any of its committees that resulted in those formal actions were in meetings open to the public in compliance with the law.

Section 4. That for the reasons set forth in the preamble hereto, this Resolution is hereby declared to be an emergency measure which shall take immediate effect in accordance with Section 14 of the City Charter after its adoption and due authentication by the President and the Clerk of the City Commission of the City of Sandusky, Ohio.



DENNIS E. MURRAY, JR.
PRESIDENT OF THE CITY COMMISSION

ATTEST:



KELLY L. KRESSER
CLERK OF THE CITY COMMISSION

Passed: August 27, 2018





FIRE DEPARTMENT

600 West Market Street
Sandusky, Ohio 44870
Office Telephone 419-627-5822
Fire Prevention 419-627-5823
Fax 419-627-5820
www.ci.sandusky.oh.us

To: State of Ohio, Ohio Public Works Commission
From: City of Sandusky, Fire Chief

I would like to take this opportunity to offer my support of a grant application to secure funding for the reconstruction of Buchanan Street in Sandusky, Ohio. The Fire Department considers this road to be a primary driving route for our ambulances and fire apparatus while responding to emergencies at the new Intermediate School and existing Junior High and High School Complex. Firelands Hospital - South Campus is located on the north side of Buchanan and utilizes Buchanan Street for vehicle access. Buchanan Street is the direct access route between Campbell Street and Hayes Avenue (State Route 4). Both Campbell Street and Hayes Avenue are major north south access routes to the center of downtown Sandusky.

Over the years, the surface of this concrete road has developed cracks and pavement failure and the manhole covers in the middle of the road appear to be set well below the surface creating man made pot holes themselves. These surface conditions create an issue for our patients who may have an injury that is aggravated by sudden movement and this sometimes forces a delay in transport because the ambulance has to constantly reduce its speed to avoid bouncing the patient around on the gurney. These humps and potholes can cause my paramedics to be injured from the jarring and sudden movements while traversing these roads.

The fire apparatus are adversely affected as well. In addition to the ambulance and patient transport issues, fire apparatus traveling the street have a lot of weight to carry and a poor roadway surface can and does increase maintenance costs as well as shortening the life of the trucks.

Once again, I am in full support of any opportunity that keeps my firefighters, our citizens and vehicles safe. Please feel free to contact me if you have any further questions or concerns.

Respectfully Submitted,

Rick Wilcox, Fire Chief



Sandusky City Schools

407 Decatur Street, Sandusky, OH 44870-2442 • 419-984-1000 • www.scs-k12.net

Friday, August 31, 2018

Mr. Aaron Klein, City Engineer City of Sandusky
Division of Engineering
222 Meigs Street
Sandusky, Ohio 44870

Re: Buchanan Street Reconstruction Project

Dear Mr. Klein:

The Sandusky City Schools support the City of Sandusky's request for OPWC funds to reconstruct Buchanan Street between Hayes Avenue and Campbell Street. The existing road has extensive broken concrete pavement and has developed an uneven surface that is a big issue for safe travel to our school site.

Buchanan Street was already a major access point to the high school and our middle school. Upon the completion of our new Intermediate School at the corner of Hayes Avenue and Buchanan Street, Buchanan Street will become the main access point of our new campus.

We look forward to your completing the project on or about the time for our opening the new school in August of 2020.

Respectfully,

A handwritten signature in blue ink, which appears to read 'Eugene Sanders', is written over the typed name.

Eugene T.W. Sanders, Ph.D.
Chief Executive Officer and Superintendent of Schools

Pride • Tradition • Excellence

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: SANDUSKY
Street: BUCHANAN (EAST OF THOMAS)**

A study of vehicle traffic was conducted with HI-STAR unit number 2917. The study was done in the EB lane at BUCHANAN (EAST OF THOMAS) in SANDUSKY, OH in ERIE county. The study began on Aug/28/2018 at 02:00:00 PM and concluded on Aug/30/2018 at 02:00:00 PM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1166 vehicles passed through the location with a peak volume of 34 on Aug/29/2018 at [15:30-15:45] and a minimum volume of 0 on Aug/28/2018 at [16:15-16:30]. The AADT count for this study was 583.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 25 - 30 MPH range or lower. The average speed for all classified vehicles was 24 MPH with 19.07% vehicles exceeding the posted speed of 25 MPH. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 31.67 MPH.

| | | | | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|
| < | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | | | | | |
| to | to | to | to | to | to | to | to | to | to | to | to | to | to | to | | | | | |
| 9 | 14 | 19 | 24 | 29 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | > | | | | | |
| 12 | 127 | 245 | 247 | 277 | 135 | 49 | 17 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | | | | | |

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 839 which represents 75 percent of the total classified vehicles. The number of Vans & Pickups in the study was 236 which represents 21 percent of the total classified vehicles. The number of Busses & Trucks in the study was 30 which represents 3 percent of the total classified vehicles. The number of Tractor Trailers in the study was 17 which represents 2 percent of the total classified vehicles.

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|
| < | 18 | 24 | 28 | 32 | 38 | 44 | 62 | | | | | | | | | | | | |
| to | to | to | to | to | to | to | to | | | | | | | | | | | | |
| 17 | 23 | 27 | 31 | 37 | 43 | 61 | > | | | | | | | | | | | | |
| 839 | 236 | 22 | 8 | 5 | 4 | 5 | 3 | | | | | | | | | | | | |

CHART 2

HEADWAY

During the peak traffic period, on Aug/29/2018 at [15:30-15:45] the average headway between vehicles was 25.714 seconds. During the slowest traffic period, on Aug/28/2018 at [16:15-16:30] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 76.00 and 111.00 degrees F.

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: SANDUSKY
Street: BUCHANAN (EAST OF THOMAS)**

A study of vehicle traffic was conducted with HI-STAR unit number 2925. The study was done in the WB lane at BUCHANAN (EAST OF THOMAS) in SANDUSKY, OH in ERIE county. The study began on Aug/28/2018 at 02:00:00 PM and concluded on Aug/30/2018 at 02:00:00 PM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1360 vehicles passed through the location with a peak volume of 69 on Aug/29/2018 at [08:00-08:15] and a minimum volume of 0 on Aug/28/2018 at [22:30-22:45]. The AADT count for this study was 680.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 20 - 25 MPH range or lower. The average speed for all classified vehicles was 25 MPH with 27.09% vehicles exceeding the posted speed of 25 MPH. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 20MPH and the 85th percentile was 33.22 MPH.

| | | | | | | | | | | | | | | | | | | | |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|--|--|--|--|--|
| < to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 to 39 | 40 to 44 | 45 to 49 | 50 to 54 | 55 to 59 | 60 to 64 | 65 to 69 | 70 to 74 | 75 to > | | | | | |
| 17 | 74 | 230 | 361 | 295 | 250 | 90 | 15 | 4 | 1 | 3 | 0 | 0 | 0 | 0 | | | | | |

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 752 which represents 56 percent of the total classified vehicles. The number of Vans & Pickups in the study was 544 which represents 41 percent of the total classified vehicles. The number of Busses & Trucks in the study was 33 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 11 which represents 1 percent of the total classified vehicles.

| | | | | | | | | | | | | | | | | | | | |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|
| < to 17 | 18 to 23 | 24 to 27 | 28 to 31 | 32 to 37 | 38 to 43 | 44 to 61 | 62 to > | | | | | | | | | | | | |
| 752 | 544 | 22 | 11 | 2 | 3 | 1 | 5 | | | | | | | | | | | | |

CHART 2

HEADWAY

During the peak traffic period, on Aug/29/2018 at [08:00-08:15] the average headway between vehicles was 12.857 seconds. During the slowest traffic period, on Aug/28/2018 at [22:30-22:45] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 76.00 and 121.00 degrees F.

**Nu-Metrics Traffic Analyzer Study
 Computer Generated Summary Report
 City: SANDUSKY
 Street: BUCHANAN (JUST WEST OF THOMAS)**

A study of vehicle traffic was conducted with HI-STAR unit number 3899. The study was done in the EB lane at BUCHANAN (JUST WEST OF THOMAS) in SANDUSKY, OH in ERIE county. The study began on Aug/28/2018 at 02:00:00 PM and concluded on Aug/30/2018 at 02:00:00 PM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1639 vehicles passed through the location with a peak volume of 83 on Aug/29/2018 at [08:00-08:15] and a minimum volume of 0 on Aug/29/2018 at [22:00-22:15]. The AADT count for this study was 820.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 15 - 20 MPH range or lower. The average speed for all classified vehicles was 21 MPH with 9.62% vehicles exceeding the posted speed of 25 MPH. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 15MPH and the 85th percentile was 28.52 MPH.

| < to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 to 39 | 40 to 44 | 45 to 49 | 50 to 54 | 55 to 59 | 60 to 64 | 65 to 69 | 70 to 74 | 75 to > | | | | | |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|--|--|--|--|--|
| 17 | 203 | 590 | 352 | 294 | 100 | 31 | 8 | 10 | 4 | 2 | 0 | 0 | 0 | 0 | | | | | |

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 1258 which represents 78 percent of the total classified vehicles. The number of Vans & Pickups in the study was 305 which represents 19 percent of the total classified vehicles. The number of Busses & Trucks in the study was 32 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 16 which represents 1 percent of the total classified vehicles.

| < to 17 | 18 to 23 | 24 to 27 | 28 to 31 | 32 to 37 | 38 to 43 | 44 to 61 | 62 to > | | | | | | | | | | | | |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|
| 1258 | 305 | 22 | 10 | 6 | 2 | 7 | 1 | | | | | | | | | | | | |

CHART 2

HEADWAY

During the peak traffic period, on Aug/29/2018 at [08:00-08:15] the average headway between vehicles was 10.714 seconds. During the slowest traffic period, on Aug/29/2018 at [22:00-22:15] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 76.00 and 121.00 degrees F.

**Nu-Metrics Traffic Analyzer Study
 Computer Generated Summary Report
 City: SANDUSKY
 Street: BUCHANAN (JUST WEST OF THOMAS)**

A study of vehicle traffic was conducted with HI-STAR unit number 2918. The study was done in the WB lane at BUCHANAN (JUST WEST OF THOMAS) in SANDUSKY, OH in ERIE county. The study began on Aug/28/2018 at 02:00:00 PM and concluded on Aug/30/2018 at 02:00:00 PM, lasting a total of 48.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1081 vehicles passed through the location with a peak volume of 32 on Aug/29/2018 at [07:45-08:00] and a minimum volume of 0 on Aug/28/2018 at [22:30-22:45]. The AADT count for this study was 541.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 25 - 30 MPH range or lower. The average speed for all classified vehicles was 24 MPH with 19.72% vehicles exceeding the posted speed of 25 MPH. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 31.45 MPH.

| | | | | | | | | | | | | | | | | | | | |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|--|--|--|--|--|
| < to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 to 39 | 40 to 44 | 45 to 49 | 50 to 54 | 55 to 59 | 60 to 64 | 65 to 69 | 70 to 74 | 75 to > | | | | | |
| 11 | 146 | 193 | 200 | 305 | 173 | 28 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | | | | | |

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 772 which represents 72 percent of the total classified vehicles. The number of Vans & Pickups in the study was 272 which represents 26 percent of the total classified vehicles. The number of Busses & Trucks in the study was 11 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 10 which represents 1 percent of the total classified vehicles.

| | | | | | | | | | | | | | | | | | | | |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|
| < to 17 | 18 to 23 | 24 to 27 | 28 to 31 | 32 to 37 | 38 to 43 | 44 to 61 | 62 to > | | | | | | | | | | | | |
| 772 | 272 | 8 | 3 | 5 | 2 | 2 | 1 | | | | | | | | | | | | |

CHART 2

HEADWAY

During the peak traffic period, on Aug/29/2018 at [07:45-08:00] the average headway between vehicles was 27.273 seconds. During the slowest traffic period, on Aug/28/2018 at [22:30-22:45] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 76.00 and 125.00 degrees F.

SANAR

933.25 RATES.

Each user connected to the City system shall pay charges equal to the sum of subsections (a) and (b) hereof according to the size of the water meter in subsection (a) hereof and quantity of wastewater in subsection (b) hereof.

MONTHLY

(a) Motor charge - (minimum) inside City users only: includes 100 cubic feet of use monthly:
Step 1: Effective April 1, 2015

| Meter size | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
|----------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 5/8" | 2.57 | 1.22 | 4.96 | 8.75 |
| 3/4" | 3.86 | 1.22 | 4.96 | 10.04 |
| 1" | 6.43 | 1.22 | 4.96 | 12.61 |
| 1-1/2" | 12.85 | 1.22 | 4.96 | 19.03 |
| 2" | 20.56 | 1.22 | 4.96 | 26.74 |
| 3" | 38.55 | 1.22 | 4.96 | 44.73 |
| 4" | 64.25 | 1.22 | 4.96 | 70.43 |
| 6" | 128.50 | 1.22 | 4.96 | 134.68 |
| 8" | 205.60 | 1.22 | 4.96 | 211.78 |
| 10" | 295.55 | 1.22 | 4.96 | 301.73 |
| 12" | 552.55 | 1.22 | 4.96 | 558.73 |
| Gravity Flume | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 3" | 192.75 | 1.22 | 4.96 | 198.93 |
| 6" | 706.75 | 1.22 | 4.96 | 712.93 |
| 9" | 1,580.55 | 1.22 | 4.96 | 1,586.73 |
| 12" | 2,878.40 | 1.22 | 4.96 | 2,884.58 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet. The Storm Water charge will be \$3.00 per property.
Step 2: Effective January 1, 2016

| Meter size | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
|----------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 5/8" | 3.48 | 1.26 | 6.20 | 10.94 |
| 3/4" | 5.22 | 1.26 | 6.20 | 12.68 |
| 1" | 8.70 | 1.26 | 6.20 | 16.16 |
| 1-1/2" | 17.40 | 1.26 | 6.20 | 24.86 |
| 2" | 27.84 | 1.26 | 6.20 | 35.30 |
| 3" | 52.20 | 1.26 | 6.20 | 59.66 |
| 4" | 87.00 | 1.26 | 6.20 | 94.46 |
| 6" | 174.00 | 1.26 | 6.20 | 181.46 |
| 8" | 278.40 | 1.26 | 6.20 | 285.86 |
| 10" | 400.20 | 1.26 | 6.20 | 407.66 |
| 12" | 748.20 | 1.26 | 6.20 | 755.66 |
| Gravity Flume | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 3" | 261.00 | 1.26 | 6.20 | 268.46 |
| 6" | 957.00 | 1.26 | 6.20 | 964.46 |
| 9" | 2,140.20 | 1.26 | 6.20 | 2,147.66 |
| 12" | 3,897.60 | 1.26 | 6.20 | 3,905.06 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet. The Storm Water charge will be \$3.00 per property.
Step 3: Effective January 1, 2017

| Meter size | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
|------------|----------------|----------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 5/8" | 4.62 | 1.30 | 7.75 | 13.67 |
| 3/4" | 6.93 | 1.30 | 7.75 | 15.98 |
| 1" | 11.55 | 1.30 | 7.75 | 20.60 |
| 1-1/2" | 23.10 | 1.30 | 7.75 | 32.15 |

| | | | | |
|-----|--------|------|------|----------|
| 2" | 36.96 | 1.30 | 7.75 | 46.01 |
| 3" | 69.30 | 1.30 | 7.75 | 78.35 |
| 4" | 115.50 | 1.30 | 7.75 | 124.55 |
| 6" | 231.00 | 1.30 | 7.75 | 240.05 |
| 8" | 369.60 | 1.30 | 7.75 | 378.65 |
| 10" | 531.30 | 1.30 | 7.75 | 540.35 |
| 12" | 993.30 | 1.30 | 7.75 | 1,002.35 |

| Gravity Flume | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
|---------------|----------------|----------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 3" | 346.50 | 1.30 | 7.75 | 355.55 |
| 6" | 1,270.50 | 1.30 | 7.75 | 1,279.55 |
| 9" | 2,841.30 | 1.30 | 7.75 | 2,850.35 |
| 12" | 5,174.40 | 1.30 | 7.75 | 5,183.45 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.
 The Storm Water charge will be \$3.00 per property.
 Step 4: Effective January 1, 2018

| Meter size | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
|------------|----------------|----------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 5/8" | 4.88 | 1.34 | 8.14 | 14.36 |
| 3/4" | 7.32 | 1.34 | 8.14 | 16.80 |
| 1" | 12.20 | 1.34 | 8.14 | 21.68 |
| 1-1/2" | 24.40 | 1.34 | 8.14 | 33.88 |
| 2" | 39.04 | 1.34 | 8.14 | 48.52 |
| 3" | 73.20 | 1.34 | 8.14 | 82.68 |
| 4" | 122.00 | 1.34 | 8.14 | 131.48 |
| 6" | 244.00 | 1.34 | 8.14 | 253.48 |
| 8" | 390.40 | 1.34 | 8.14 | 399.88 |
| 10" | 561.20 | 1.34 | 8.14 | 570.68 |
| 12" | 1,049.20 | 1.34 | 8.14 | 1,058.68 |

| Gravity Flume | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
|---------------|----------------|----------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 3" | 366.00 | 1.34 | 8.14 | 375.48 |
| 6" | 1,342.00 | 1.34 | 8.14 | 1,351.48 |
| 9" | 3,001.20 | 1.34 | 8.14 | 3,010.68 |
| 12" | 5,465.60 | 1.34 | 8.14 | 5,475.08 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet. The Storm Water charge will be \$3.00 per property.
 Step 5: Effective January 1, 2019

| Meter size | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
|---------------|----------------|----------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 5/8" | 5.02 | 1.38 | 8.39 | 14.79 |
| 3/4" | 7.53 | 1.38 | 8.39 | 17.30 |
| 1" | 12.55 | 1.38 | 8.39 | 22.32 |
| 1-1/2" | 25.10 | 1.38 | 8.39 | 34.87 |
| 2" | 40.16 | 1.38 | 8.39 | 49.93 |
| 3" | 75.30 | 1.38 | 8.39 | 85.07 |
| 4" | 125.50 | 1.38 | 8.39 | 135.27 |
| 6" | 251.00 | 1.38 | 8.39 | 260.77 |
| 8" | 401.60 | 1.38 | 8.39 | 411.37 |
| 10" | 577.30 | 1.38 | 8.39 | 587.07 |
| 12" | 1,079.30 | 1.38 | 8.39 | 1,089.07 |
| Gravity Flume | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
| | \$/Month | \$/Month | \$/Month | \$/Month |

| | | | | |
|-----|----------|------|------|----------|
| 3" | 376.50 | 1.38 | 8.39 | 386.27 |
| 6" | 1,380.50 | 1.38 | 8.39 | 1,390.27 |
| 9" | 3,087.30 | 1.38 | 8.39 | 3,097.07 |
| 12" | 5,622.40 | 1.38 | 8.39 | 5,632.17 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet. The Storm Water charge will be \$3.00 per property.
 Step 6: Effective January 1, 2020

| Meter size | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
|---------------|----------------|----------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 5/8" | 5.17 | 1.42 | 8.64 | 15.23 |
| 3/4" | 7.76 | 1.42 | 8.64 | 17.82 |
| 1" | 12.93 | 1.42 | 8.64 | 22.99 |
| 1-1/2" | 25.85 | 1.42 | 8.64 | 35.91 |
| 2" | 41.36 | 1.42 | 8.64 | 51.42 |
| 3" | 77.55 | 1.42 | 8.64 | 87.61 |
| 4" | 129.25 | 1.42 | 8.64 | 139.31 |
| 6" | 258.50 | 1.42 | 8.64 | 268.56 |
| 8" | 413.60 | 1.42 | 8.64 | 423.66 |
| 10" | 594.55 | 1.42 | 8.64 | 604.61 |
| 12" | 1,111.55 | 1.42 | 8.64 | 1,121.61 |
| Gravity Flume | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 3" | 387.75 | 1.42 | 8.64 | 397.81 |
| 6" | 1,421.75 | 1.42 | 8.64 | 1,431.81 |
| 9" | 3,179.55 | 1.42 | 8.64 | 3,189.61 |
| 12" | 5,790.40 | 1.42 | 8.64 | 5,800.46 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.
 The Storm Water charge will be \$4.00 per property.
 Step 7: Effective January 1, 2021

| Meter size | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
|---------------|----------------|----------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 5/8" | 5.33 | 1.46 | 8.90 | 15.69 |
| 3/4" | 8.00 | 1.46 | 8.90 | 18.36 |
| 1" | 13.33 | 1.46 | 8.90 | 23.69 |
| 1-1/2" | 26.65 | 1.46 | 8.90 | 37.01 |
| 2" | 42.64 | 1.46 | 8.90 | 53.00 |
| 3" | 79.95 | 1.46 | 8.90 | 90.31 |
| 4" | 133.25 | 1.46 | 8.90 | 143.61 |
| 6" | 266.50 | 1.46 | 8.90 | 276.86 |
| 8" | 426.40 | 1.46 | 8.90 | 436.76 |
| 10" | 612.95 | 1.46 | 8.90 | 623.31 |
| 12" | 1,145.95 | 1.46 | 8.90 | 1,156.31 |
| Gravity Flume | Capital Charge | Billing Charge | Commodity Charge | Monthly Charge |
| | \$/Month | \$/Month | \$/Month | \$/Month |
| 3" | 399.75 | 1.46 | 8.90 | 410.11 |
| 6" | 1,465.75 | 1.46 | 8.90 | 1,476.11 |
| 9" | 3,277.95 | 1.46 | 8.90 | 3,288.31 |
| 12" | 5,969.60 | 1.46 | 8.90 | 5,979.96 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.
 The Storm Water charge will be \$4.00 per Equivalent Residential Unit.
 (Ord. 17-215. Passed 11-27-17.)

Water

939.13 CITY RATES.

The rates which shall be charged for municipal water service within the corporate limits furnished by the City shall be as follows:

(a) All consumers shall be monthly customers and the charges to them for water service shall be payable monthly.

(b) Consumers shall be billed monthly and shall be charged rates as follows:

(1) First 100 cubic feet: minimum charge.

(2) All over 100 cubic feet: Rate associated with each step.

(c) The minimum rates which shall be charged for water service shall be as follows:

Step 1: Effective April 1, 2015

| Meter size | Billing & Capital Charge | Commodity Charge | Monthly Charge |
|------------|--------------------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month |
| 5/8" | 2.75 | 2.38 | 5.13 |
| 3/4" | 2.75 | 2.38 | 5.13 |
| 1" | 2.75 | 2.38 | 5.13 |
| 1-1/2" | 2.75 | 2.38 | 5.13 |
| 2" | 2.75 | 2.38 | 5.13 |
| 3" | 2.75 | 2.38 | 5.13 |
| 4" | 2.75 | 2.38 | 5.13 |
| 6" | 2.75 | 2.38 | 5.13 |
| 8" | 2.75 | 2.38 | 5.13 |
| 10" | 2.75 | 2.38 | 5.13 |
| 12" | 2.75 | 2.38 | 5.13 |
| 16" | 2.75 | 2.38 | 5.13 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.

Step 2: Effective January 1, 2016

| Meter size | Billing & Capital Charge | Commodity Charge | Monthly Charge |
|------------|--------------------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month |
| 5/8" | 3.44 | 2.97 | 6.41 |
| 3/4" | 3.44 | 2.97 | 6.41 |
| 1" | 3.44 | 2.97 | 6.41 |
| 1-1/2" | 3.44 | 2.97 | 6.41 |
| 2" | 3.44 | 2.97 | 6.41 |
| 3" | 3.44 | 2.97 | 6.41 |
| 4" | 3.44 | 2.97 | 6.41 |
| 6" | 3.44 | 2.97 | 6.41 |
| 8" | 3.44 | 2.97 | 6.41 |
| 10" | 3.44 | 2.97 | 6.41 |
| 12" | 3.44 | 2.97 | 6.41 |
| 16" | 3.44 | 2.97 | 6.41 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.

Step 3: Effective January 1, 2017

| Meter size | Billing & Capital Charge | Commodity Charge | Monthly Charge |
|-------------------|-------------------------------------|-------------------------|-----------------------|
| | \$/Month | \$/Month | \$/Month |
| 5/8" | 3.67 | 3.18 | 6.85 |
| 3/4" | 3.67 | 3.18 | 6.85 |
| 1" | 3.67 | 3.18 | 6.85 |
| 1-1/2" | 3.67 | 3.18 | 6.85 |
| 2" | 3.67 | 3.18 | 6.85 |
| 3" | 3.67 | 3.18 | 6.85 |
| 4" | 3.67 | 3.18 | 6.85 |
| 6" | 3.67 | 3.18 | 6.85 |
| 8" | 3.67 | 3.18 | 6.85 |
| 10" | 3.67 | 3.18 | 6.85 |
| 12" | 3.67 | 3.18 | 6.85 |
| 16" | 3.67 | 3.18 | 6.85 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.

Step 4: Effective January 1, 2018

| Meter size | Billing & Capital Charge | Commodity Charge | Monthly Charge |
|-------------------|-------------------------------------|-------------------------|-----------------------|
| | \$/Month | \$/Month | \$/Month |
| 5/8" | 3.79 | 3.27 | 7.06 |
| 3/4" | 3.79 | 3.27 | 7.06 |
| 1" | 3.79 | 3.27 | 7.06 |
| 1-1/2" | 3.79 | 3.27 | 7.06 |
| 2" | 3.79 | 3.27 | 7.06 |
| 3" | 3.79 | 3.27 | 7.06 |
| 4" | 3.79 | 3.27 | 7.06 |
| 6" | 3.79 | 3.27 | 7.06 |
| 8" | 3.79 | 3.27 | 7.06 |
| 10" | 3.79 | 3.27 | 7.06 |
| 12" | 3.79 | 3.27 | 7.06 |
| 16" | 3.79 | 3.27 | 7.06 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.

Step 5: Effective January 1, 2019

| Meter size | Billing & Capital Charge | Commodity Charge | Monthly Charge |
|-------------------|-------------------------------------|-------------------------|-----------------------|
| | \$/Month | \$/Month | \$/Month |
| 5/8" | 3.90 | 3.37 | 7.27 |
| 3/4" | 3.90 | 3.37 | 7.27 |

| | | | |
|--------|------|------|------|
| 1" | 3.90 | 3.37 | 7.27 |
| 1-1/2" | 3.90 | 3.37 | 7.27 |
| 2" | 3.90 | 3.37 | 7.27 |
| 3" | 3.90 | 3.37 | 7.27 |
| 4" | 3.90 | 3.37 | 7.27 |
| 6" | 3.90 | 3.37 | 7.27 |
| 8" | 3.90 | 3.37 | 7.27 |
| 10" | 3.90 | 3.37 | 7.27 |
| 12" | 3.90 | 3.37 | 7.27 |
| 16" | 3.90 | 3.37 | 7.27 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.
Step 6: Effective January 1, 2020

| Meter size | Billing & Capital Charge | Commodity Charge | Monthly Charge |
|------------|--------------------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month |
| 5/8" | 4.02 | 3.47 | 7.49 |
| 3/4" | 4.02 | 3.47 | 7.49 |
| 1" | 4.02 | 3.47 | 7.49 |
| 1-1/2" | 4.02 | 3.47 | 7.49 |
| 2" | 4.02 | 3.47 | 7.49 |
| 3" | 4.02 | 3.47 | 7.49 |
| 4" | 4.02 | 3.47 | 7.49 |
| 6" | 4.02 | 3.47 | 7.49 |
| 8" | 4.02 | 3.47 | 7.49 |
| 10" | 4.02 | 3.47 | 7.49 |
| 12" | 4.02 | 3.47 | 7.49 |
| 16" | 4.02 | 3.47 | 7.49 |

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.
Step 7: Effective January 1, 2021

| Meter size | Billing & Capital Charge | Commodity Charge | Monthly Charge |
|------------|--------------------------|------------------|----------------|
| | \$/Month | \$/Month | \$/Month |
| 5/8" | 4.14 | 3.58 | 7.72 |
| 3/4" | 4.14 | 3.58 | 7.72 |
| 1" | 4.14 | 3.58 | 7.72 |
| 1-1/2" | 4.14 | 3.58 | 7.72 |
| 2" | 4.14 | 3.58 | 7.72 |
| 3" | 4.14 | 3.58 | 7.72 |
| 4" | 4.14 | 3.58 | 7.72 |
| 6" | 4.14 | 3.58 | 7.72 |
| 8" | 4.14 | 3.58 | 7.72 |
| 10" | 4.14 | 3.58 | 7.72 |
| 12" | 4.14 | 3.58 | 7.72 |

| | | | |
|-----|------|------|------|
| 16" | 4.14 | 3.58 | 7.72 |
|-----|------|------|------|

All over 100 cubic feet shall pay the commodity charge above, per 100 cubic feet.
(Ord. 15-141. Passed 10-13-15.)