

ENGINEERS ESTIMATE

**PROJECT: City of Belpre - Dragstrip Rd, 0.1 mile from SR-7,
160 FT, PILING EMBANKMENT REPAIR**

ITEM No.	ITEM DESCRIPTION	UNIT	EST QTY	UNIT PRICE	ITEM TOTAL
507	6" PIPE PILING	LIN FT	984.0	\$30.00	\$29,520.00
SPECIAL	WELDING FOR PIPE PILE SPLICE, if needed	EA	10.0	\$140.00	\$1,400.00
SPECIAL	CRIBBING (USED/RECLAIMED GUARDRAIL)	SQ FT	780.0	\$8.00	\$6,240.00
203	EXCAVATION AND BACKFILL	CU YD	119.0	\$25.00	\$2,975.00
SPECIAL	WHALER BEAM AND STRUTS, AS PER PLAN	LIN FT	160.0	\$25.00	\$4,000.00
507	6" PIPE PILING, DEADMAN PILE, 15 FT. SPACED AT 12 FT	LIN FT	185.0	\$30.00	\$5,550.00
SPECIAL	TIE RODS, 1" HOT ROLLED ROUND STOCK	LIN FT	370.0	\$10.00	\$3,700.00
601	ROCK CHANNEL PROTECTION, TYPE A, WITH FILTER, as PER PLAN	CU YD	71.0	\$100.00	\$7,100.00
601	ROCK CHANNEL PROTECTION, TYPE B, WITH FILTER, as PER PLAN	CU YD	71.0	\$100.00	\$7,100.00
304	AGGREGATE BASE, SHOULDER	CU YD	12.0	\$100.00	\$1,200.00
511	CONCRETE, CLASS C	CU YD	3.0	\$400.00	\$1,200.00
254	PAVEMENT PLANING, ASPHALT CONCRETE	SQ YD	54.0	\$35.00	\$1,890.00
448	Asphalt, Surface Course, Type 1, PG64-22	CU YD	20.00	\$450.00	\$9,000.00
606	GUARDRAIL, TYPE 5, AS PER PLAN	LIN FT	160.00	\$15.00	\$2,400.00
614	MAINTENANCE OF TRAFFIC	LUMP	1.0	\$2,500.00	\$2,500.00
624	MOBILIZATION	LUMP	1.0	\$4,500.00	\$4,500.00
	PREMIUM FOR PERFORMANCE BOND	LUMP	1.0		
	TOTAL QUOTE				\$90,275
	Construction Inspection Engineering				\$9,027.50
	TOTAL ESTIMATED COST				\$99,302.50

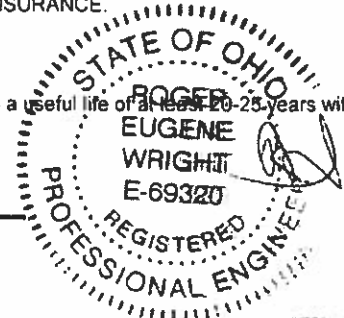
PILING LANDSLIP REPAIR, 160 FT, WITH 8 FT CRIB HEIGHT FOR 60 FT AND 3 FT CRIB HEIGHT FOR 100 FT. PILING REPAIR OF LANDSLIP INCLUDES A MINIMUM 6 INCH O.D. PIPE PILE WITH A MINIMUM WALL THICKNESS OF 0.312 INCH, WITH PILING DRIVEN ON 4 FT CENTERS ASSUMING A DRIVING LENGTH OF 24 FT. DRIVE PILING 4 FT OFF THE EDGE OF PAVEMENT, CARE SHALL BE TAKEN TO CREATE A UNIFORM LINE OF PILE. EXCAVATE THE DOWNSLOPE TO A DEPTH OF 8 FT OR 3 FT BELOW PAVEMENT GRADE. WELD CRIBBING OF USED GALVANIZED DEEP BEAM GUARDRAIL, FROM THE BOTTOM OF THE EXCAVATION TO THE ROAD GRADE. DRIVE DEADMAN PILE APPROXIMATELY 30 FT FROM PIPE PILE ALONG THE EDGE OF THE OPPOSITE TRAVELING LANE IN THE BERM / DITCH AREA, SPACED AT 12 FT, ESTIMATED DRIVE LENGTH OF 15 FT. SECURELY WELD TIE RODS BETWEEN THE PIPE PILE AND DEADMAN PILE. PLACE ROCK CHANNEL PROTECTION, WITH FILTER FABRIC - TYPE D, AT THE BOTTOM OF THE EXCAVATION FOR A DEPTH OF 8 FT OR 3 FT ENTIRE LENGTH, EXTEND FILTER FABRIC UP THE FACE OF THE GUARDRAIL CRIBBING ENTIRE LENGTH OF EXCAVATION. PAYMENT FOR ADDITIONAL FILTER FABRIC TO BE INCLUDED IN THE ROCK CHANNEL PROTECTION. EXTEND ROCK CHANNEL PROTECTION TO THE EDGE OF EXCAVATION AND CREATE A WEEP DRAIN OUTSIDE THE EXCAVATION TO THE DOWNSLOPE. LEAVE THE FIRST PILE AND EVERY OTHER PILE THEREAFTER AT 3 FT ABOVE THE EDGE OF PAVEMENT SUCH THAT GUARDRAIL CAN BE ATTACHED TO PIPE PILE AND THE GUARDRAIL WOULD MAINTAIN A UNIFORM LINE BEFORE AND AFTER THE SLIP, COST FOR SPOT WELDING TO BE INCLUDED IN GUARDRAIL ITEMS WHEN APPLICABLE. ATTACH GUARDRAIL TO PILING WITH SPOT WELDING AND TRIM ALL OTHER PILING AT THE SAME ELEVATION AND A MINIMUM OF 6 INCHES ABOVE THE ROAD SURFACE. A WHALER BEAM SHALL BE USED TO UNITIZE DRIVEN PILE, AND PLACED AT THE TOP OF THE CRIBBING IN A UNIFORM LINE WELDED TO EVERY PILE. WHALER SECTION PROPERTIES TO BE A MINIMUM C CHANNEL 6 INCH BY 10.5 POUNDS, WITH MINIMUM 1/4 INCH PLATE STRUTS WELDED AT EACH PILE TO THE C CHANNEL AND PIPE PILE, COST FOR THE STRUTS TO BE INCLUDED IN THE WHALER BEAM. PLANE EXISTING PAVEMENT BOTH ENDS OF SLIP, FULL WIDTH OF PAVEMENT TO CREATE A BUTT JOINT TYPE PATCH. UTILIZE A PAVER TO REPAIR PAVEMENT SURFACE WITH ITEM 448, 2 INCH THICKNESS, SEAL PATCH ALL SIDES WITH LIQUID BITUMINOUS MATERIAL, COST TO BE INCLUDED IN ITEM 448. PLACE 304 AGGREGATE BASE SHOULDER TO CREATE AGGREGATE BERM ENTIRE LENGTH OF SLIP. ALL PIPE PILE SHALL BE A FACTORY SECOND, STRUCTURAL GRADE OR BETTER; ALL AGGREGATE SHALL BE ODOT APPROVED. REQUIRES PREVAILING WAGE, WORKERS COMPENSATION AND PROPERTY DAMAGE AND LIABILITY INSURANCE.

It is my engineering opinion that round pipe pile and cribbing should be utilized for this landslip repair, resulting in a useful life of at least 20-25 years with proper maintenance.

BY:

ROGER E. WRIGHT PE, PS Washington County Engineer

7/30/2020



On City Letterhead

CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS

[Insert Date]

I, Leslie Pittenger, Auditor of the City of Belpre hereby certify that City of Belpre has the amount of \$9,930.00 in the [Insert name of account / fund] and that this amount will be used to pay the local share for the Drag Strip Road Slip project CU 15X when it is required.

Leslie Pittenger, Auditor
City of Belpre

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 Belpre Subdivision Code: 167-05424

District Number: 18 County: Washington Date: 08/17/2020

Contact: Connie J. Hoblitzell Phone: (740) 525-4899
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: belpressd@lumos.net FAX: (740) 423-4967

Project

Project Name: Drag Strip Road Slip Zip Code: 45714

Subdivision Type

(Select one)

- ☐ 1. County
☒ 2. City
☐ 3. Township
☐ 4. Village
☐ 5. Water (6119 Water District)

Project Type

(Select single largest component by \$)

- ☒ 1. Road
☐ 2. Bridge/Culvert
☐ 3. Water Supply
☐ 4. Wastewater
☐ 5. Solid Waste
☐ 6. Stormwater

Funding Request Summary

(Automatically populates from page 2)

Total Project Cost: 99,302.00
1. Grant: 89,372.00
2. Loan: 0.00
3. Loan Assistance/
Credit Enhancement: 0.00
Funding Requested: 89,372.00

District Recommendation (To be completed by the District Committee)

Funding Type Requested

(Select one)

- ☐ State Capital Improvement Program
☐ Local Transportation Improvement Program
☐ Revolving Loan Program
☐ Small Government Program

District SG Priority: _____

SCIP Loan - Rate: _____ % Term: _____ Yrs Amount: _____ .00

RLP Loan - Rate: _____ % Term: _____ Yrs Amount: _____ .00

Grant: Amount: _____ .00

LTIP: Amount: _____ .00

Loan Assistance / Credit Enhancement: Amount: _____ .00

For OPWC Use Only

STATUS

Project Number: _____ Grant Amount: _____ .00 Loan Type: ☐ SCIP ☐ RLP
_____ 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.) _____	99,302 .00	
Materials Purchased Directly:	d.) _____	.00	
Permits, Advertising, Legal:	e.) _____	.00	
Construction Contingencies:	f.) _____	.00	0 %
Total Estimated Costs:	g.) _____	99,302 .00	

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account:	a.) _____	.00	
Local Revenues:	b.) _____	9,930 .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.) _____	9,930 .00	10 %

OPWC Funds (Check all requested and enter Amount)

Grant: <u>100</u> % of OPWC Funds	j.) _____	89,372 .00	
Loan: <u>0</u> % of OPWC Funds	k.) _____	.00	
Loan Assistance / Credit Enhancement:	l.) _____	0 .00	
Subtotal OPWC Funds:	m.) _____	89,372 .00	90 %
Total Financial Resources:	n.) _____	99,302 .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>99,302</u> .00	<u>100</u> %
2.2 Total Portion of Project New / Expansion:	<u>0</u> .00	<u>0</u> %
2.3 Total Project:	<u>99,302</u> .00	<u>100</u> %

A Farmland
Preservation letter is
required for any
impact to farmland

3.0 Project Schedule

3.1 Engineering / Design / Right of Way	Begin Date: _____	End Date: _____
3.2 Bid Advertisement and Award	Begin Date: <u>09/01/2020</u>	End Date: <u>09/30/2020</u>
3.3 Construction	Begin Date: <u>10/01/2020</u>	End Date: <u>07/31/2020</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: _____ (Year built or year of last major improvement)

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

4.2 User Information

Road or Bridge: Current ADT _____ Year _____ Projected ADT _____ Year _____

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.

.1 mile from State Route 7 south within City of Belpre city limits.

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

PILING LANDSLIP REPAIR 160 FT, W/8 FT CRIB HEIGHT FOR 60 FT & 3 FT CRIB HEIGHT FOR 100 FT. INCLUDES A MINIMUM 6 INCH O.D. PIPE PILE WITH A MINIMUM WALL THICKNESS OF 0.312 INCH, WITH PILING DRIVEN ON 4 FT CENTERS ASSUMING A DRIVING LENGTH OF 24 FT, 4 FT OFF THE EDGE OF PAVEMENT. WELD CRIBBING OF USED GALVANIZED DEEP BEAM GUARDRAIL, FROM THE BOTTOM OF THE EXCAVATION TO THE ROAD GRADE. DRIVE DEADMAN PILE APPROXIMATELY 30 FT FROM PIPE PILE ALONG THE EDGE OF THE OPPOSITE TRAVELING LANE, SPACED AT 12 FT, ESTIMATED DRIVE LENGTH OF 15 FT. SECURELY WELD TIE RODS. BETWEEN THE PIPE PILE AND DEADMAN PILE. PLACE ROCK CHANNEL PROTECTION, WITH FILTER FABRIC - TYPE D, FOR A DEPTH OF 8 FT. OR 3 FT. EXTEND ROCK CHANNEL PROTECTION TO THE EDGE OF EXCAVATION AND CREATE A WEEP DRAIN OUTSIDE THE EXCAVATION. A WHALER BEAM SHALL BE USED TO UNITIZE DRIVEN PILE. PLACE 304 AGGREGATE BASE SHOULDER TO CREATE AGGREGATE BERM ENTIRE LENGTH OF SLIP. UTILIZE A PAVER TO REPAIR PAVEMENT.

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.

LANDSLIP REPAIR 160 FT, W/8 FT CRIB HEIGHT FOR 60 FT & 3 FT CRIB HEIGHT FOR 100 FT.

5.0 Project Officials

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

5.1 Chief Executive Officer

(Person authorized in legislation to sign project agreements)

Name: Michael Lorentz
Title: Mayor
Address: 715 Park Drive

City: Belpre State: OH Zip: 45714
Phone: (740) 423-7592
FAX: (740) 423-4967
E-Mail: belpremayor@lumos.net

5.2 Chief Financial Officer

(Can not also serve as CEO)

Name: Leslie Pittenger
Title: Auditor
Address: 715 Park Drive

City: Belpre State: OH Zip: 45714
Phone: (740) 423-7592
FAX: (740) 423-4967
E-Mail:

5.3 Project Manager

Name: Connie Hoblitzell
Title: Safety Service Director
Address: 715 Park Drive

City: Belpre State: OH Zip: 45714
Phone: (740) 525-4899
FAX: (740) 423-4967
E-Mail: belpressd@lumos.net

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.

Michael Lorentz, Mayor

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

Original Signature / Date Signed