

Resolution Number: 894-18

Dated: December 18, 2018

The Board of County Commissioners of Hancock County, Ohio

met in Regular Session with

**Mr. Robertson, Mr. Gazarek and Mr. Bechtol present**

to consider the

Furnishing of Labor and Equipment for the

**2019 Hancock County Road and Bridge Program**

by Force Account and Contract Work

**Douglas E. Cade, PE, PS**

Hancock County Engineer

# Asphalt Patching

| Road Number                   | Township   | Description                         | Length (Miles) | Width (Feet) | Material          | Labor and Equipment | Total Estimate    |
|-------------------------------|------------|-------------------------------------|----------------|--------------|-------------------|---------------------|-------------------|
| CR 226                        | Washington | CR 257 to Fostoria CL               | 2.10           | 4            | \$ 32,853         | \$ 16,427           | \$ 49,280         |
| CR 86                         | Blanchard  | CR 16 to SR 235                     | 2.16           | 4            | \$ 33,792         | \$ 16,896           | \$ 50,688         |
| CR 53                         | Pleasant   | US 224 to RR Tracks north of SR 613 | 3.40           | 4            | \$ 53,191         | \$ 26,596           | \$ 79,787         |
| <b>Total Asphalt Patching</b> |            |                                     |                |              | <b>\$ 119,836</b> | <b>\$ 59,919</b>    | <b>\$ 179,755</b> |

## Seal Coat (Chip Seal) - Contracted

| Road Number | Township       | Description      | Length (Miles) | Width (Feet) | Total Estimate |
|-------------|----------------|------------------|----------------|--------------|----------------|
| CR 33       | Orange         | CR 15 to SR 235  | 3.36           | 18           | \$ 59,325      |
| CR 24       | Orange / Union | SR 235 to CR 12  | 1.98           | 18           | \$ 34,960      |
| CR 26       | Union / Eagle  | CR 313 to SR 698 | 4.03           | 18           | \$ 71,155      |
| CR 37       | Eagle          | SR 698 to US 68  | 4.02           | 20           | \$ 78,865      |

**Total Seal Coat \$ 244,305**

## Asphalt Resurfacing - Contracted

| Road Number                      | Township   | Description      | Length (Miles) | Width (Feet) | Total Estimate    |
|----------------------------------|------------|------------------|----------------|--------------|-------------------|
| CR 226                           | Washington | CR 257 to CR 262 | 2.01           | 16           | \$ 138,188        |
| <b>Total Asphalt Resurfacing</b> |            |                  |                |              | <b>\$ 138,188</b> |

## Ohio Public Works Resurfacing Project - Contracted

| Road Number       | Township   | Description           | Length (Miles) | Width (Feet) | County Cost       | OPWC Cost         | Total Estimate    |
|-------------------|------------|-----------------------|----------------|--------------|-------------------|-------------------|-------------------|
| CR 330            | Biglick    | SR 568 to US 224      | 4.75           | 22           | \$ 156,577        | \$ 156,577        | \$ 313,154        |
| CR 86             | Blanchard  | CR 16 to SR 235       | 4.80           | 22           | \$ 158,258        | \$ 158,258        | \$ 316,517        |
| CR 226            | Washington | TR 262 to Fostoria CL | 0.81           | 18           | \$ 28,974         | \$ 28,974         | \$ 57,948         |
| <b>Total OPWC</b> |            |                       |                |              | <b>\$ 343,809</b> | <b>\$ 343,809</b> | <b>\$ 687,619</b> |

## ODOT/FHWA Resurfacing Project - Contracted

| Road Number       | Township             | Description                             | Length (Miles) | Width (Feet) | County Cost       | Federal Cost        | Total Estimate      |
|-------------------|----------------------|---|----------------|--------------|-------------------|---------------------|---------------------|
| CR 304            | Madison / Delaware   | Resurface from US 68 to Wyandot Co Line | 7.10           | 30           | \$ 218,828        | \$ 875,311          | \$ 1,094,138        |
| CR 330            | Biglick / Washington | Resurface US 224 to SR 12               | 3.82           | 22           | \$ 91,761         | \$ 367,046          | \$ 458,807          |
| <b>Total OPWC</b> |                      |   |                |              | <b>\$ 310,589</b> | <b>\$ 1,242,356</b> | <b>\$ 1,552,946</b> |

## Bridge Program

### Force Account Construction

| Bridge Number              | Township | Description  | Material          | Labor and Equipment | Total Estimate    |
|----------------------------|----------|--|-------------------|---------------------|-------------------|
| CR 2 -4.99                 | Delaware | Remove Existing Box Culvert and install 16x6 Box Culvert                     | \$ 29,325         | \$ 22,288           | \$ 51,613         |
| CR 153-091                 | Delaware | Remove Existing Bridge Deck and install Precast Box Beams                    | \$ 32,027         | \$ 22,292           | \$ 54,319         |
| TR 205-2.91                | Marion   | Remove Existing Bridge Deck and install Precast Box Beams                    | \$ 21,654         | \$ 22,289           | \$ 43,943         |
| CR 216-2.88                | Cass     | Remove Existing Bridge and reconstruct with precast abutments and box beams. | \$ 27,945         | \$ 28,710           | \$ 56,655         |
| <b>Total Force Account</b> |          |  | <b>\$ 110,951</b> | <b>\$ 95,579</b>    | <b>\$ 206,530</b> |

### Contract Services

| Bridge Number                  | Township | Description  | Material          | Labor and Equipment | Total Estimate    |
|--------------------------------|----------|--|-------------------|---------------------|-------------------|
| CR 2                           | Delaware | Remove Existing Box Culvert and install 16x6 Box Culvert                     | \$ 39,000         | \$ 6,500            | \$ 45,500         |
| CR 153-091                     | Delaware | Remove Existing Bridge Deck and install Precast Box Beams                    | \$ 110,000        | \$ 10,000           | \$ 120,000        |
| TR 205-2.91                    | Marion   | Remove Existing Bridge Deck and install Precast Box Beams                    | \$ 110,000        | \$ 10,000           | \$ 120,000        |
| CR 216-2.88                    | Cass     | Remove Existing Bridge and reconstruct with precast abutments and box beams. | \$ 66,000         | \$ 6,500            | \$ 72,500         |
| <b>Total Contract Services</b> |          |  | <b>\$ 325,000</b> | <b>\$ 33,000</b>    | <b>\$ 358,000</b> |

### Ohio Public Works Projects

| Bridge Number              | Township | Description  | County Cost       | OPWC Cost         | Total Estimate    |
|----------------------------|----------|--|-------------------|-------------------|-------------------|
| TR 150-4.53                | Delaware | Remove Existing Bridge Deck and install new deck                     | \$ 200,000        | \$ 250,000        | \$ 450,000        |
| CS13-Howard Street         | Findlay  | Remove Existing Bridge- install with new structure 35 feet in Length | \$ 90,000         | \$ 210,000        | \$ 300,000        |
| <b>Total OPWC Projects</b> |          |  | <b>\$ 290,000</b> | <b>\$ 460,000</b> | <b>\$ 750,000</b> |

## Ohio Department of Transportation State Exchange Bridge Project

| Bridge Number           | Township | Description | County Cost | ODOT Cost | Total Estimate |
|-------------------------|----------|-------------|-------------|-----------|----------------|
| Non Programmed for 2019 |          |             |             |           |                |

## Force Account Project Assessment Form (Estimate)

Ohio Revised Code 117.16 requires the Auditor of State to develop a force account project assessment form to be used by each public office to estimate or report the cost of a force account project. The form shall include costs for employee salaries and benefits, any other labor costs, materials, freight, fuel, hauling, overhead expense, workers compensation premiums, and all other items of costs and expense, including a reasonable allowance for the use of all tools and equipment used on or in connection with such work and for the depreciation on the tools and equipment.

**This form is to be completed as provided in Auditor of State Bulletin 2003-003.**

Project Name/Number: **Bridge 2-4.99**

Project Description: Remove existign bridge and replace with Pre-cast Box Culvert

Proposed Start Date:      Proposed End Date:  
CR 2-4.99 6/01/19                      7/15/19

### ESTIMATED LABOR

| Description  | Base Wage |   | Hours Worked | = | Total               |
|--|-----------|---|--------------|---|---------------------|
| Foreman  | 23.33     | x | 80           | = | \$ 1,866.40         |
| Highway Worker III                                     | 19.86     | x | 80           | = | 1,588.80            |
| Highway Worker II                                      | 18.26     | x | 160          | = | 2,921.60            |
| Highway Worker I                                       | 15.85     | x | 80           | = | 1,268.00            |
| Total Base Wages                                       |           |   |              |   | \$ 7,644.80         |
| <u>30</u> % of base wages (fringe benefits, BWC, etc.) |           |   |              |   | 2,293.44            |
| <u>38</u> % of wages and fringe benefits for overhead  |           |   |              |   | 2,905.02            |
| <b>Total Labor Estimate</b>                            |           |   |              |   | <b>\$ 12,843.26</b> |

### ESTIMATED MATERIALS

| Description                                | Cost per Unit |   | Quantity | Unit Type | = | Total               |
|--|---------------|---|----------|-----------|---|---------------------|
| Concrete                                   | 130.00        | x | 20       | CY        | = | \$ 2,600.00         |
| Stone                                      | 12.00         | x | 300      | TON       | = | 3,600.00            |
| Reinforcing Steel                          |               | x |          | LS        | = | -                   |
| Asphalt                                    | 68.00         | x | 100      | TON       | = | 6,800.00            |
| Guardrail                                  | 45.00         | x | 150      | LF        | = | 6,750.00            |
| Waterproofing                              | 5.00          | x | 750      | SF        | = | 3,750.00            |
| Misc.                                      |               | x |          | LS        | = | 2,000.00            |
| Base Materials                             |               |   |          |           |   | \$ 25,500.00        |
| <u>15</u> % of base materials for overhead |               |   |          |           |   | 3,825.00            |
| <b>Total Materials Estimate</b>            |               |   |          |           |   | <b>\$ 29,325.00</b> |

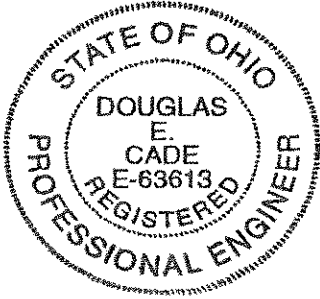
**ESTIMATED EQUIPMENT**

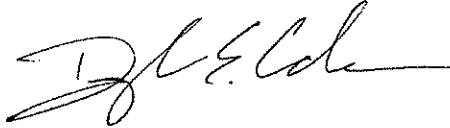
Each piece of equipment used in a project must be assigned an hourly rate. For equipment owned by the public entity, this rate must reflect the original purchase price of the equipment, maintenance costs, time in service, depreciation, freight, fuel, and hauling. The public office may use any generally accepted rate that reflects all of the aforementioned considerations, or it may use the statewide rates published by the Ohio Department of Transportation and updated on a quarterly basis; however, the office must use the same rate source for all equipment used in a project. Any equipment rented by the entity must be listed in the form and reflect the actual rental rate.

| Description                     | Rate per  |   | Hours/Miles | = | Total              |
|---------------------------------|-----------|---|-------------|---|--------------------|
|                                 | Hour/Mile |   |             |   |                    |
| Excavator                       | 51.52     | x | 80          | = | \$ 4,121.60        |
| Tandem Dump                     | 3.81      | x | 400         | = | 1,524.00           |
| Truck Tractor                   | 2.25      | x | 16          | = | 36.00              |
| Trailer                         | 15.00     | x | 16          | = | 240.00             |
| Roller                          | 30.00     | x | 40          | = | 1,200.00           |
| Bridge Truck                    | 2.05      | x | 80          | = | 164.00             |
| Paver                           | 135.00    | x | 16          | = | 2,160.00           |
| Crane                           | 42.00     | x | 0           | = | -                  |
| <b>Total Equipment Estimate</b> |           |   |             |   | <b>\$ 9,445.60</b> |

**Total Labor Estimate** \$ 12,843.26  
**Total Materials Estimate** \$ 29,325.00  
**Total Equipment Estimate** \$ 9,445.60

**TOTAL ESTIMATED PROJECT COST** \$ 51,613.86



Prepared by: 

Title: County Engineer

Date: 12/4/2019

## Force Account Project Assessment Form (Estimate)

Ohio Revised Code 117.16 requires the Auditor of State to develop a force account project assessment form to be used by each public office to estimate or report the cost of a force account project. The form shall include costs for employee salaries and benefits, any other labor costs, materials, freight, fuel, hauling, overhead expense, workers compensation premiums, and all other items of costs and expense, including a reasonable allowance for the use of all tools and equipment used on or in connection with such work and for the depreciation on the tools and equipment.

**This form is to be completed as provided in Auditor of State Bulletin 2003-003.**

Project Name/Number: **Bridge CR 153-0.91**

Project Description: Remove exisign bridge and replace with Pre-cast Box Culvert

Proposed Start Date: CR 153-0.9 7/01/19      Proposed End Date: 8/15/19

### ESTIMATED LABOR

| Description  | Base Wage |   | Hours<br>Worked | = | Total               |
|--|-----------|---|-----------------|---|---------------------|
| Foreman  | 23.33     | x | 80              | = | \$ 1,866.40         |
| Highway Worker III                                     | 19.86     | x | 80              | = | 1,588.80            |
| Highway Worker II                                      | 18.26     | x | 160             | = | 2,921.60            |
| Highway Worker I                                       | 15.85     | x | 80              | = | 1,268.00            |
| Total Base Wages                                       |           |   |                 |   | \$ 7,644.80         |
| <u>30</u> % of base wages (fringe benefits, BWC, etc.) |           |   |                 |   | 2,293.44            |
| <u>38</u> % of wages and fringe benefits for overhead  |           |   |                 |   | 2,905.02            |
| <b>Total Labor Estimate</b>                            |           |   |                 |   | <b>\$ 12,843.26</b> |

### ESTIMATED MATERIALS

| Description                                | Cost per<br>Unit |   | Quantity | Unit<br>Type | = | Total               |
|--|------------------|---|----------|--------------|---|---------------------|
| Concrete                                   | 130.00           | x | 10       | CY           | = | \$ 1,300.00         |
| Stone                                      | 12.00            | x | 200      | TON          | = | 2,400.00            |
| Reinforcing Steel                          |                  | x |          | LS           | = | -                   |
| Asphalt                                    | 68.00            | x | 50       | TON          | = | 3,400.00            |
| Guardrail                                  | 45.00            | x | 250      | LF           | = | 11,250.00           |
| Waterproofing                              | 5.00             | x | 1500     | SF           | = | 7,500.00            |
| Misc.                                      |                  | x |          | LS           | = | 2,000.00            |
| Base Materials                             |                  |   |          |              |   | \$ 27,850.00        |
| <u>15</u> % of base materials for overhead |                  |   |          |              |   | 4,177.50            |
| <b>Total Materials Estimate</b>            |                  |   |          |              |   | <b>\$ 32,027.50</b> |



**ESTIMATED EQUIPMENT**


Each piece of equipment used in a project must be assigned an hourly rate. For equipment owned by the public entity, this rate must reflect the original purchase price of the equipment, maintenance costs, time in service, depreciation, freight, fuel, and hauling. The public office may use any generally accepted rate that reflects all of the aforementioned considerations, or it may use the statewide rates published by the Ohio Department of Transportation and updated on a quarterly basis; however, the office must use the same rate source for all equipment used in a project. Any equipment rented by the entity must be listed in the form and reflect the actual rental rate.

| Description                     | Rate per  |   | Hours/Miles | = | Total              |
|---------------------------------|-----------|---|-------------|---|--------------------|
|                                 | Hour/Mile |   |             |   |                    |
| Excavator                       | 51.52     | x | 80          | = | \$ 4,121.60        |
| Tandem Dump                     | 3.81      | x | 400         | = | 1,524.00           |
| Truck Tractor                   | 2.25      | x | 16          | = | 36.00              |
| Trailer                         | 15.00     | x | 16          | = | 240.00             |
| Roller                          | 30.00     | x | 40          | = | 1,200.00           |
| Bridge Truck                    | 2.05      | x | 80          | = | 164.00             |
| Paver                           | 135.00    | x | 16          | = | 2,160.00           |
| Crane                           | 42.00     | x | 0           | = | -                  |
| <b>Total Equipment Estimate</b> |           |   |             |   | <b>\$ 9,445.60</b> |

|                                 |              |
|---------------------------------|--------------|
| <b>Total Labor Estimate</b>     | \$ 12,843.26 |
| <b>Total Materials Estimate</b> | \$ 32,027.50 |
| <b>Total Equipment Estimate</b> | \$ 9,445.60  |

**TOTAL ESTIMATED PROJECT COST** \$ 54,316.36



Prepared by: 

Title: County Engineer

Date: 12/4/2019

## Force Account Project Assessment Form (Estimate)

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**This form is to be completed as provided in Auditor of State Bulletin 2003-003.**

Project Name/Number: **Bridge TR 205-2.91**

Project Description: Remove existign bridge and replace with Pre-cast Box Culvert

Proposed Start Date:      Proposed End Date:

TR 205-2.9 7/01/19

8/15/19

### ESTIMATED LABOR

| Description  | Base Wage |   | Hours<br>Worked | = | Total               |
|--|-----------|---|-----------------|---|---------------------|
| Foreman  | 23.33     | x | 80              | = | \$ 1,866.40         |
| Highway Worker III                                     | 19.86     | x | 80              | = | 1,588.80            |
| Highway Worker II                                      | 18.26     | x | 160             | = | 2,921.60            |
| Highway Worker I                                       | 15.85     | x | 80              | = | 1,268.00            |
| Total Base Wages                                       |           |   |                 |   | \$ 7,644.80         |
| <u>30</u> % of base wages (fringe benefits, BWC, etc.) |           |   |                 |   | 2,293.44            |
| <u>38</u> % of wages and fringe benefits for overhead  |           |   |                 |   | 2,905.02            |
| <b>Total Labor Estimate</b>                            |           |   |                 |   | <b>\$ 12,843.26</b> |

### ESTIMATED MATERIALS

| Description                                | Cost per<br>Unit |   | Quantity | Unit<br>Type | = | Total               |
|--|------------------|---|----------|--------------|---|---------------------|
| Concrete                                   | 130.00           | x | 10       | CY           | = | \$ 1,300.00         |
| Stone                                      | 12.00            | x | 200      | TON          | = | 2,400.00            |
| Reinforcing Steel                          |                  | x |          | LS           | = | -                   |
| Asphalt                                    | 68.00            | x | 35       | TON          | = | 2,380.00            |
| Guardrail                                  | 45.00            | x | 150      | LF           | = | 6,750.00            |
| Waterproofing                              | 5.00             | x | 800      | SF           | = | 4,000.00            |
| Misc.                                      |                  | x |          | LS           | = | 2,000.00            |
| Base Materials                             |                  |   |          |              |   | \$ 18,830.00        |
| <u>15</u> % of base materials for overhead |                  |   |          |              |   | 2,824.50            |
| <b>Total Materials Estimate</b>            |                  |   |          |              |   | <b>\$ 21,654.50</b> |

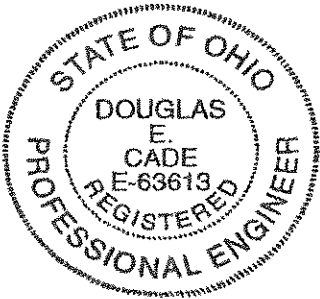
**ESTIMATED EQUIPMENT**

Each piece of equipment used in a project must be assigned an hourly rate. For equipment owned by the public entity, this rate must reflect the original purchase price of the equipment, maintenance costs, time in service, depreciation, freight, fuel, and hauling. The public office may use any generally accepted rate that reflects all of the aforementioned considerations, or it may use the statewide rates published by the Ohio Department of Transportation and updated on a quarterly basis; however, the office must use the same rate source for all equipment used in a project. Any equipment rented by the entity must be listed in the form and reflect the actual rental rate.

| Description                     | Rate per  |   | Hours/Miles | = | Total              |
|---------------------------------|-----------|---|-------------|---|--------------------|
|                                 | Hour/Mile |   |             |   |                    |
| Excavator                       | 51.52     | x | 80          | = | \$ 4,121.60        |
| Tandem Dump                     | 3.81      | x | 400         | = | 1,524.00           |
| Truck Tractor                   | 2.25      | x | 16          | = | 36.00              |
| Trailer                         | 15.00     | x | 16          | = | 240.00             |
| Roller                          | 30.00     | x | 40          | = | 1,200.00           |
| Bridge Truck                    | 2.05      | x | 80          | = | 164.00             |
| Paver                           | 135.00    | x | 16          | = | 2,160.00           |
| Crane                           | 42.00     | x | 0           | = | -                  |
| <b>Total Equipment Estimate</b> |           |   |             |   | <b>\$ 9,445.60</b> |

|                                 |                     |
|---------------------------------|---------------------|
| <b>Total Labor Estimate</b>     | <b>\$ 12,843.26</b> |
| <b>Total Materials Estimate</b> | <b>\$ 21,654.50</b> |
| <b>Total Equipment Estimate</b> | <b>\$ 9,445.60</b>  |

**TOTAL ESTIMATED PROJECT COST \$ 43,943.36**



Prepared by: *Douglas E. Cade*

Title: County Engineer

Date: 12/4/2019

## Force Account Project Assessment Form (Estimate)

Ohio Revised Code 117.16 requires the Auditor of State to develop a force account project assessment form to be used by each public office to estimate or report the cost of a force account project. The form shall include costs for employee salaries and benefits, any other labor costs, materials, freight, fuel, hauling, overhead expense, workers compensation premiums, and all other items of costs and expense, including a reasonable allowance for the use of all tools and equipment used on or in connection with such work and for the depreciation on the tools and equipment.

**This form is to be completed as provided in Auditor of State Bulletin 2003-003.**

Project Name/Number: **Bridge CR 216-2.88**

Project Description: Remove exisign bridge and replace with Pre-cast Box Culvert

Proposed Start Date:      Proposed End Date:  
CR 216-2.8 7/01/19                      8/15/19

### ESTIMATED LABOR

| Description  | Base Wage |   | Hours<br>Worked | = | Total               |
|--|-----------|---|-----------------|---|---------------------|
| Foreman  | 23.33     | x | 120             | = | \$ 2,799.60         |
| Highway Worker III                                     | 19.86     | x | 120             | = | 2,383.20            |
| Highway Worker II                                      | 18.26     | x | 240             | = | 4,382.40            |
| Highway Worker I                                       | 15.85     | x | 120             | = | 1,902.00            |
| Total Base Wages                                       |           |   |                 |   | \$ 11,467.20        |
| <u>30</u> % of base wages (fringe benefits, BWC, etc.) |           |   |                 |   | 3,440.16            |
| <u>38</u> % of wages and fringe benefits for overhead  |           |   |                 |   | 4,357.54            |
| <b>Total Labor Estimate</b>                            |           |   |                 |   | <b>\$ 19,264.90</b> |

### ESTIMATED MATERIALS

| Description                                | Cost per<br>Unit |   | Quantity | Unit<br>Type | = | Total               |
|--|------------------|---|----------|--------------|---|---------------------|
| Concrete                                   | 130.00           | x | 30       | CY           | = | \$ 3,900.00         |
| Stone                                      | 12.00            | x | 250      | TON          | = | 3,000.00            |
| Reinforcing Steel                          |                  | x |          | LS           | = | -                   |
| Asphalt                                    | 68.00            | x | 50       | TON          | = | 3,400.00            |
| Guardrail                                  | 45.00            | x | 200      | LF           | = | 9,000.00            |
| Waterproofing                              | 5.00             | x | 600      | SF           | = | 3,000.00            |
| Misc.                                      |                  | x |          | LS           | = | 2,000.00            |
| Base Materials                             |                  |   |          |              |   | \$ 24,300.00        |
| <u>15</u> % of base materials for overhead |                  |   |          |              |   | 3,645.00            |
| <b>Total Materials Estimate</b>            |                  |   |          |              |   | <b>\$ 27,945.00</b> |

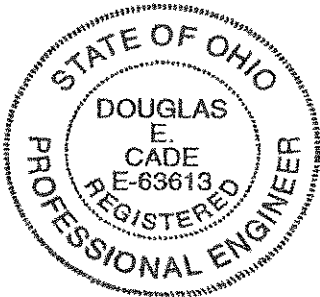
**ESTIMATED EQUIPMENT**

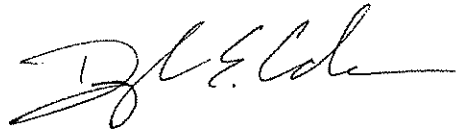
Each piece of equipment used in a project must be assigned an hourly rate. For equipment owned by the public entity, this rate must reflect the original purchase price of the equipment, maintenance costs, time in service, depreciation, freight, fuel, and hauling. The public office may use any generally accepted rate that reflects all of the aforementioned considerations, or it may use the statewide rates published by the Ohio Department of Transportation and updated on a quarterly basis; however, the office must use the same rate source for all equipment used in a project. Any equipment rented by the entity must be listed in the form and reflect the actual rental rate.

| Description                     | Rate per<br>Hour/Mile |   | Hours/Miles | = | Total              |
|---------------------------------|-----------------------|---|-------------|---|--------------------|
| Excavator                       | 51.52                 | x | 80          | = | \$ 4,121.60        |
| Tandem Dump                     | 3.81                  | x | 400         | = | 1,524.00           |
| Truck Tractor                   | 2.25                  | x | 16          | = | 36.00              |
| Trailer                         | 15.00                 | x | 16          | = | 240.00             |
| Roller                          | 30.00                 | x | 40          | = | 1,200.00           |
| Bridge Truck                    | 2.05                  | x | 80          | = | 164.00             |
| Paver                           | 135.00                | x | 16          | = | 2,160.00           |
| Crane                           | 42.00                 | x | 0           | = | -                  |
| <b>Total Equipment Estimate</b> |                       |   |             |   | <b>\$ 9,445.60</b> |

|                                 |              |
|---------------------------------|--------------|
| <b>Total Labor Estimate</b>     | \$ 19,264.90 |
| <b>Total Materials Estimate</b> | \$ 27,945.00 |
| <b>Total Equipment Estimate</b> | \$ 9,445.60  |

**TOTAL ESTIMATED PROJECT COST \$ 56,655.50**



Prepared by: 

Title: County Engineer

Date: 12/4/2019

## Federal and State Grant Summary

| Bridge Number / Road Number | Township             | Description  | County Funds      | OPWC Funds        | ODOT Funds  | Federal Funds       | Total Estimate      |
|-----------------------------|----------------------|--|-------------------|-------------------|-------------|---------------------|---------------------|
| 150-4.53 Bridge             | Delaware             | Remove Existing Bridge Deck and Install new deck                     | \$ 200,000        | \$ 250,000        |             |                     | \$ 450,000          |
| C513-Howard Street Bridge   | Findlay              | Remove Existing Bridge. Install with new structure 35 feet in Length | \$ 90,000         | \$ 210,000        |             |                     | \$ 300,000          |
| CR 330                      | Biglick              | SR 568 to US 224   | \$ 156,577        | \$ 156,577        |             |                     | \$ 313,154          |
| CR 86                       | Blanchard            | CR 16 to SR 235  | \$ 158,258        | \$ 158,258        |             |                     | \$ 316,517          |
| CR 226                      | Washington           | TR 262 to Fostoria CL  | \$ 28,974         | \$ 28,974         |             |                     | \$ 57,948           |
| CR 304                      | Madison / Delaware   | Resurface from US 68 to Wyandot Co Line                              | \$ 218,828        |                   |             | \$ 875,311          | \$ 218,828          |
| CR 330                      | Biglick / Washington | Resurface US 224 to SR 12  | \$ 91,761         |                   |             | \$ 367,046          | \$ 91,761           |
| Various County Roads        | County Wide          | Sign Upgrade Program 2019 (HSIP)                                     | \$ 5,139          |                   |             | \$ 20,556           | \$ 5,139            |
| <b>Total</b>                |                      |  | <b>\$ 949,538</b> | <b>\$ 803,809</b> | <b>\$ -</b> | <b>\$ 1,262,912</b> | <b>\$ 1,753,347</b> |

# Summary

## 2019 Force Account and Contract Work

|  |    |           |
|--|----|-----------|
| Asphalt Patching - Force Account           | \$ | 179,755   |
| Seal Coat - Contract                       | \$ | 244,305   |
| Asphalt Resurfacing - Contract             | \$ | 138,188   |
| OPWC Resurfacing - County Share            | \$ | 343,809   |
| ODOT / FHWA Resurfacing - County Share     | \$ | 310,589   |
| Bridge Restoration Program - Force Account | \$ | 206,530   |
| Bridge Contract Services                   | \$ | 358,000   |
| OPWC Bridge Projects - County Share        | \$ | 290,000   |
| ODOT Bridge Projects - County Share        | \$ | -         |
| Drainage, Berm Oil and Patching            | \$ | 100,000   |
| Road Striping - Contract                   | \$ | 50,000    |
| Grand Total                                | \$ | 2,221,177 |

Gazarek

moved the adoption of the following RESOLUTION:

BE IT RESOLVED, that the County Engineer is hereby directed to furnish the Labor and Equipment to proceed with Force Account road and bridge maintenance described and estimated herein and to close roads as necessary to perform said work.

BE IT FUTHER RESOLVED, that the County Engineer is hereby authorized to solicit bids, in conformance with the provisions of the Ohio Revised Code, for Contract Services described herein.

BE IT FUTHER RESOLVED, that the County Engineer is hereby authorized to dispose surplus construction material by direct sale for any quantities of material with a value less than \$2,500, with proceeds being deposited into the Motor Vehicle Gas Tax (MVGT) Account.

Bechtel

Seconded the motion and the roll being called, the vote resulted as follows:

[Signature] yes  
 Brian J. Robertson, Chairman

[Signature] yes  
 Mark D. Gazarek

[Signature] yes  
 Tim Bechtel

Attest: [Signature]

Auditor  
 Engineer

Engineer File  
 Resolution File