

Resolution Number: 912-23

Dated: December 7, 2023

The Board of County Commissioners of Hancock County, Ohio

met in Regular Session with

Mr. Bechtol, Mr. Bateson and Mr. Pepple present

to consider the

Furnishing of Labor and Equipment for the

2024 Hancock County Road and Bridge Program

by Force Account and Contract Work

Douglas E. Cade, PE, PS

Hancock County Engineer

Asphalt Patching - Force Account

Road Number	Township	Description	Length (Miles)	Width (Feet)	Material	Labor and Equipment	Total Estimate
37	Eagle	TR 59 to US 68	6.00	4	\$ 148,622	\$ 74,311	\$ 222,933
304	Orange / Van Buren / Madison	CR 15 to US 68	13.00	4	\$ 322,015	\$ 161,007	\$ 483,022
169	Amanda	CR 172 to Vanlue	3.50	4	\$ 86,696	\$ 43,348	\$ 130,044
193	Amanda	CR 169 to CR 273	5.00	4	\$ 123,852	\$ 61,926	\$ 185,778
Total Asphalt Patching					\$ 681,185	\$ 340,592	\$ 1,021,777

Roadside Drainage Rehabilitation - Contracted

Road Number	Township	Description	Length (Feet)	Size	Total Estimate
None					

Total Drainage \$ -

Asphalt Resurfacing - Contracted

Road Number	Township	Description	Length (Miles)	Width (Feet)	Total Estimate
CR 37	Orange / Eagle	TR 57 to CR 59 Left (I-75)	2.07	20	\$ 202,688
CR 24	Orange / Union / Van Buren / Eagle	SR 235 to Arlington W Corp	8.96	21	\$ 913,567
CR 9	Van Buren	CR 304 to TR 32	3.53	20	\$ 345,530
CR 236	Allen / Marion	SR 12 to CR 212	0.68	30	\$ 134,558
CR 212	Allen / Cass	CR 236 to begin of Curb	0.34	24	\$ 54,231

\$ 1,650,574

Total Asphalt Resurfacing

Asphalt Widening - Contracted

Road Number	Township	Description	Length (Miles)	Width (Feet)	Total Estimate
None					

Ohio Public Works Resurfacing Project - Contracted

County Road Number	Township	Description	Length (Miles)	Width (Feet)	County Cost	OPWC Cost	Total Estimate
15	Orange	TR 27 to Bluffton South Corp	2.09	23	\$ 113,533	\$ 113,533	\$ 227,066
26	Union	CR 16 to Mt. Cory Corp	2.73	20	\$ 128,956	\$ 128,956	\$ 257,912
26	Eagle / Union	CR 313 to CR 60	3.04	20	\$ 143,599	\$ 143,599	\$ 287,198
37	Eagle / Union	SR 235 to TR 57	1.02	20	\$ 48,370	\$ 48,370	\$ 96,740
Total OPWC					\$ 434,458	\$ 434,458	\$ 868,916

ODOT/FHWA Resurfacing /Bridge Project - Contracted

County Road Number	Township	Description	Length (Miles)	Width (Feet)	County Cost	State Cost	Total Estimate
Total Federal Aid Project					\$ -	\$ -	\$ -

Bridge Program

Force Account Construction

Bridge Number	Township	Description	Material	Labor and Equipment	Total Estimate
CR 109 - 5.14	Cass	Remove Existing Box Culvert and install new Box Culvert	\$ 13,030	\$ 12,753	\$ 25,783
CR 18 -0.24	Cass	Remove Existing Box Culvert and install new Box Culvert	\$ 13,030	\$ 12,753	\$ 25,783
Arcadia - Gibson Street	Washington	Remove Existing Bridge and install new Box Culvert	\$ 23,000	\$ 25,950	\$ 48,950
Total Force Account			\$ 49,059	\$ 51,457	\$ 100,516

Contract Services

Bridge Number	Township	Description	Material	Labor and Equipment	Total Estimate
CR 109 - 5.14	Cass	Furnish and install Box Culvert			\$ 48,000
CR 18 -0.24	Cass	Furnish and install Box Culvert			\$ 45,000
Arcadia - Gibson Street	Washington	Furnish and install Box Culvert			\$ 125,000
Total Contract Services					\$ 218,000

Ohio Public Works Projects

Bridge Number	Township	Description	County Cost	OPWC Cost	Total Estimate
None					\$ -
Total OPWC Projects			\$ -	\$ -	\$ -

Ohio Department of Transportation State Exchange Bridge Project

Bridge Number	Township	Description	County Cost	ODOT Cost	Total Estimate
None					\$ -

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: **CR18-0204 Bridge Replacement**

Project Description: **Removal of Elliptical Pipe Culvert and Replacing with 8x8 Box Culvert**

Proposed Start Date: Proposed End Date:
1/01/2024 12/31/2024

ESTIMATED LABOR

Description	Base Wage	x	Hours Worked	=	Total
Foreman	29.25	x	40	=	\$ 1,170.00
Highway Maintenance Technician	20.83	x	200	=	\$ 4,166.00
Total Base Wages					\$ 5,336.00
<u>30</u> % of base wages (fringe benefits, BWC, etc.)					1,600.80
<u>38</u> % of wages and fringe benefits for overhead					2,027.68
Total Labor Estimate					\$ 8,964.48

ESTIMATED MATERIALS

Description	Cost per Unit	x	Quantity	=	Total
Concrete	160.00	x	8	=	\$ 1,280.00
Stone	20.00	x	100	=	2,000.00
Reinforcing Steel		x	0	=	\$ -
Asphalt	75.00	x	70	=	5,250.00
Guardrail		x	0	=	-
Waterproofing	2800.00	x	1	=	2,800.00
Misc.		x	0	=	\$ -
Base Materials					\$ 11,330.00
<u>15</u> % of base materials for overhead					1,699.50
Total Materials Estimate					\$ 13,029.50

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 Hour/Mile		Hours/Miles		Total
Excavator (Small)	County	16.31	x		=	\$ -
Excavator (Large)	County	40.99	x	40	=	1,639.60
Tandem Dump	County	18.54	x	60	=	1,112.40
Single Axle Dump	County	14.86	x		=	-
Forman Truck	County	13.81	x	10	=	138.10
Pickup	County	9.2	x	10	=	92.00
Truck Tractor	County	14.68	x		=	-
Trailer	County	15.41	x	2	=	30.82
Roller	County	10.44	x	24	=	250.56
Bridge Truck / Sign Truc	County	17.44	x		=	-
Paver	County	15.24	x	8	=	121.92
Distributor	County	22.32	x		=	-
Widener / Berm Machir	County	32.01	x		=	-
Durapatcher with Truck	County	55.21	x		=	-
Motor Grader	County	41.79	x		=	-
Vacuum / Jet Truck	County	64.16	x		=	-
Water Truck with Tank	County	18.54	x		=	-
Skidsteer	County	11.99	x	16	=	191.84
Skidsteer Milling Attach	County	27.12	x	4	=	108.48
Wheel Loader	County	19.26	x		=	-
Power Broom	County	12.9	x	8	=	103.20
Bucket Truck	County	13.57	x		=	-
Chipper with Truck	County	30.41	x		=	-
Asphalt Zipper	County	47.91	x		=	-

Local Equipment Rates based on original purchase price of the equipment, maintenance costs, time in service, depreciation, freight, fuel, and hauling.

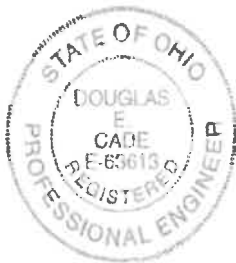
Total Equipment Estimate \$ 3,788.92

Total Labor Estimate \$ 8,964.48

Total Materials Estimate \$ 13,029.50

Total Equipment Estimate \$ 3,788.92

Total Cost \$ 25,782.90



Prepared by: 

Title: **County Engineer**

Date: **12/1/2023**

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: **CR109-0514 Bridge Replacment**

Project Description: **Removal of Elliptical Pipe Culvert and Replacing with 8x8 Box Culvert**

Proposed Start Date: 1/01/2024 Proposed End Date: 12/31/2024

ESTIMATED LABOR

Description	Base Wage		Hours Worked		Total
Foreman	29.25	x	40	=	\$ 1,170.00
Highway Maintenance Technician	20.83	x	200	=	\$ 4,166.00
Total Base Wages					\$ 5,336.00
<u>30</u> % of base wages (fringe benefits, BWC, etc.)					1,600.80
<u>38</u> % of wages and fringe benefits for overhead					2,027.68
Total Labor Estimate					\$ 8,964.48

ESTIMATED MATERIALS

Description	Cost per Unit		Quantity	Unit Type		Total
Concrete	160.00	x	8	CY	=	\$ 1,280.00
Stone	20.00	x	100	TON	=	2,000.00
Reinforcing Steel		x	0	LS	=	\$ -
Asphalt	75.00	x	70	TON	=	5,250.00
Guardrail		x	0	LF	=	-
Waterproofing	2800.00	x	1	LS	=	2,800.00
Misc.		x	0	LS	=	\$ -
Base Materials						\$ 11,330.00
<u>15</u> % of base materials for overhead						1,699.50
Total Materials Estimate						\$ 13,029.50

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 Hour/Mile		Hours/Miles		Total
Excavator (Small)	County	16.31	x		=	\$ -
Excavator (Large)	County	40.99	x	40	=	1,639.60
Tandem Dump	County	18.54	x	60	=	1,112.40
Single Axle Dump	County	14.86	x		=	-
Forman Truck	County	13.81	x	10	=	138.10
Pickup	County	9.2	x	10	=	92.00
Truck Tractor	County	14.68	x		=	-
Trailer	County	15.41	x	2	=	30.82
Roller	County	10.44	x	24	=	250.56
Bridge Truck / Sign Truck	County	17.44	x		=	-
Paver	County	15.24	x	8	=	121.92
Distributor	County	22.32	x		=	-
Widener / Berm Machine	County	32.01	x		=	-
Durapatcher with Truck	County	55.21	x		=	-
Motor Grader	County	41.79	x		=	-
Vacuum / Jet Truck	County	64.16	x		=	-
Water Truck with Tank	County	18.54	x		=	-
Skidsteer	County	11.99	x	16	=	191.84
Skidsteer Milling Attachment	County	27.12	x	4	=	108.48
Wheel Loader	County	19.26	x		=	-
Power Broom	County	12.9	x	8	=	103.20
Bucket Truck	County	13.57	x		=	-
Chipper with Truck	County	30.41	x		=	-
Asphalt Zipper	County	47.91	x		=	-

Local Equipment Rates based on original purchase price of the equipment, maintenance costs, time in service, depreciation, freight, fuel, and hauling.

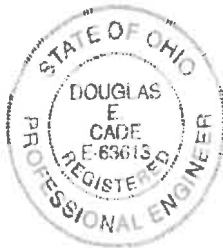
Total Equipment Estimate \$ 3,788.92

Total Labor Estimate \$ 8,964.48

Total Materials Estimate \$ 13,029.50

Total Equipment Estimate \$ 3,788.92

Total Cost \$ 25,782.90



Prepared by:

Title: County Engineer

Date: 12/12/2023

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: **M0601-0000 (Gibson St) Bridge Repalcement**

Project Description: **Removal of Tee-Beam Bridge and Replacing with 16x8 Box Culvert**

Proposed Start Date: 1/01/2024 Proposed End Date: 12/31/2024

ESTIMATED LABOR

Description	Base Wage		Hours Worked		Total
Foreman	29.25	x	120	=	\$ 3,510.00
Highway Maintenance Technician	20.83	x	290	=	\$ 6,040.70
Total Base Wages					\$ 9,550.70
<u>30</u> % of base wages (fringe benefits, BWC, etc.)					2,865.21
<u>38</u> % of wages and fringe benefits for overhead					3,629.27
Total Labor Estimate					\$ 16,045.18

ESTIMATED MATERIALS

Description	Cost per Unit		Quantity	Unit Type		Total
Concrete	160.00	x	15	CY	=	\$ 2,400.00
Stone	20.00	x	250	TON	=	5,000.00
Reinforcing Steel		x	0	LS	=	\$ -
Asphalt	75.00	x	100	TON	=	7,500.00
Guardrail		x	0	LF	=	-
Waterproofing	5100.00	x	1	LS	=	5,100.00
Misc.		x	0	LS	=	\$ -
Base Materials						\$ 20,000.00
<u>15</u> % of base materials for overhead						3,000.00
Total Materials Estimate						\$ 23,000.00

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 Hour/Mile		Hours/Miles		Total
Excavator (Small)	County	16.31	x		=	\$ -
Excavator (Large)	County	40.99	x	120	=	4,918.80
Tandem Dump	County	18.54	x	180	=	3,337.20
Single Axle Dump	County	14.86	x		=	-
Forman Truck	County	13.81	x	20	=	276.20
Pickup	County	9.2	x	20	=	184.00
Truck Tractor	County	14.68	x		=	-
Trailer	County	15.41	x	2	=	30.82
Roller	County	10.44	x	24	=	250.56
Bridge Truck / Sign Truck	County	17.44	x		=	-
Paver	County	15.24	x	16	=	243.84
Distributor	County	22.32	x		=	-
Widener / Berm Machine	County	32.01	x		=	-
Durapatcher with Truck	County	55.21	x		=	-
Motor Grader	County	41.79	x		=	-
Vacuum / Jet Truck	County	64.16	x		=	-
Water Truck with Tank	County	18.54	x		=	-
Skidsteer	County	11.99	x	20	=	239.80
Skidsteer Milling Attachment	County	27.12	x	8	=	216.96
Wheel Loader	County	19.26	x		=	-
Power Broom	County	12.9	x	16	=	206.40
Bucket Truck	County	13.57	x		=	-
Chipper with Truck	County	30.41	x		=	-
Asphalt Zipper	County	47.91	x		=	-

Local Equipment Rates based on original purchase price of the equipment, maintenance costs, time in service, depreciation, freight, fuel, and hauling.

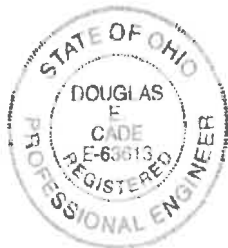
Total Equipment Estimate \$ 9,904.58

Total Labor Estimate \$ 16,045.18

Total Materials Estimate \$ 23,000.00

Total Equipment Estimate \$ 9,904.58

Total Cost \$ 48,949.76



Prepared by:

Title: County Engineer

Date: 12/1/2023

Federal and State Grant Summary

Bridge Number / Road Number	Township	Description	County Funds	OPWC Funds	ODOT Funds	Federal Funds	Total Estimate
15	Orange	TR 27 to Bluffton South Corp	\$ 113,533	\$ 113,533			\$ 227,066
26	Union	CR 16 to Mt. Cory Corp	\$ 128,956	\$ 128,956			\$ 257,912
26	Eagle / Union	CR 313 to CR 60	\$ 143,599	\$ 143,599			\$ 287,198
37	Eagle / Union	SR 235 to TR 57	\$ 48,370	\$ 48,370			\$ 96,740
Total			\$ 434,458	\$ 434,458	\$ -	\$ -	\$ 868,916

Summary

2024 Force Account and Contract Work

Asphalt Patching - Force Account	\$	1,021,777
Asphalt Resurfacing - Contract	\$	1,650,574
OPWC Resurfacing - County Share	\$	434,458
Asphalt Widening - Contract	\$	-
ODOT / FHWA Resurfacing - County Share	\$	-
Bridge Restoration Program - Force Account	\$	100,516
Bridge Contract Services	\$	218,000
OPWC Bridge Projects - County Share	\$	-
ODOT Bridge Projects - County Share	\$	373,180
Roadside Drainage - Contract	\$	-
Drainage, Berm Oil and Patching	\$	100,000
Road Striping - Contract	\$	100,000
Grand Total	\$	3,998,505

Pepple

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 (MVG) Account.

Bechtel

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

follows:

Michael W Pepple yes

Michael Pepple

William L Bateson yes

William Bateson

Timothy K Bechtel yes

Timothy Bechtel

Attest:

Alex 7/12

Auditor
Engineer

Engineer File
Resolution File

Christine N. Carrigan

From: Douglas E. Cade
Sent: Friday, December 1, 2023 3:45 PM
To: Michael W. Pepple; Timothy K. Bechtol; William L. Bateson
Cc: Hannah M. Brown; Kyle D. Parker; Eric M. Barnes; Alec J. Helms; Christine N. Carrigan; Lynnette A. Taylor; Lucinda M. Land; Philip E. Johnson
Subject: Force Account Resolution and Road and Bridge Program 2024
Attachments: 2024 Plan of Work and Force Account Resolution.pdf

Dear Honorable Commissioners:

Please find attached the 2024 Hancock County Road and Bridge Program for the Office of the County Engineer. This Resolution authorizes the County Engineer to proceed by Force Account for the normal maintenance and repair of County Roads in accordance with Ohio Revised Code 5543.19 and solicit bids for contract services associated with the Program.

If you have any questions, please contact me as soon as possible.

Thank you,

Douglas E. Cade, PE, PS

County Engineer

Office of the Hancock County Engineer

1900 Lima Ave, Findlay, OH 45840

(419) 422-7433



**PHONES DOWN
IT'S THE LAW**
PhonesDown.Ohio.gov