

Resolution Number: #855-24

Dated: December 5, 2024

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

2025 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
CR 33	Orange	CR 15 to SR 235	3.36	4	\$ 83,228	\$ 41,615	\$ 124,843
CR 304	Madison / Van Buren	CR 698 to US 68	4	4	\$ 99,081	\$ 49,541	\$ 148,622
CR 2	Delaware	SR 37 to CR 17 south of Cul de sac	1.44	4	\$ 35,669	\$ 17,835	\$ 53,504
CR 139	Liberty	SR 12 to US 224	1.89	4	\$ 46,816	\$ 23,408	\$ 70,224
CR 203	Pleasant	CR 16 to SR 235	5.17	4	\$ 128,063	\$ 64,031	\$ 192,094
CR 95	Liberty	CR 140 to West Findlay City Limits	1.43	4	\$ 35,422	\$ 17,710	\$ 53,132
Total Asphalt Patching					\$ 428,280	\$ 214,139	\$ 642,419

Asphalt Resurfacing - Contracted

Road Number	Township	Description	Length (Miles)	Width (Feet)			Total Estimate
CR 37	Eagle	TR 59 Right to US 68	5.96	22			\$ 639,670
CR 33	Orange	CR 15 to SR 235	3.36	19			\$ 312,177
CR 304	Madison / Van Buren	CR 698 to US 68	4.00	30			\$ 583,093
CR 2	Delaware	SR 37 to CR 17 south of Cul de sac	1.44	15			\$ 106,109
Total Asphalt Resurfacing							\$ 1,641,049

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
CR 139	Liberty	SR 12 to US 224	1.89	24	\$ 107,997	\$ 107,997	\$ 215,994
CR 203	Pleasant	CR 16 to SR 235	5.17	20	\$ 246,184	\$ 246,184	\$ 492,368
CR 95	Liberty	CR 140 to West Findlay City Limits	1.43	23	\$ 107,251	\$ 107,251	\$ 214,502
Total OPWC					\$ 461,432	\$ 461,432	\$ 922,864

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 8 - 0238	Jackson	Remove Existing Bridge and Install new precast abutment Box Beam Bridge	\$ 31,803	\$ 32,228	\$ 64,031
Total Force Account			\$ 31,803	\$ 32,228	\$ 64,031

Contract Services

Bridge Number	Township	Description	Material	Labor and Equipment	Total Estimate
CR 8 - 0238	Jackson	Furnish and install Precast Abutment			\$ 38,000
Total Contract Services					\$ 38,000

Ohio Public Works Projects

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

ODOT State Exchange / Federal Aid Bridge Project

Bridge Number	Township	Description	County Cost	ODOT Cost	Total Estimate
M520 - Morey Ave Bridge	City of Findlay	Remove Existing Bridge and Install new Precast Box Beam Bridge	\$ 40,556	\$ 770,570	\$ 811,126
CR 180 -0367	Marion	Design Build to Remove Existing Bridge and Install new Precast Box Beam Bridge	\$ 102,457	\$ 2,049,150	\$ 2,151,607
Total			\$ 143,013	\$ 2,819,720	\$ 2,962,733

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: **HAN-CR8 - 0238 Bridge Replacement**

Project Description: Bridge Replacement by County Forces

Proposed Start Date: Proposed End Date:
5/1/2025 9/1/2025

ESTIMATED LABOR

Description	Base Wage		Hours Worked		Total
Foreman	30.00	x	120	= \$	3,600.00
Highway Maintenance Technician	22.52	x	360	= \$	8,107.20
Total Base Wages					\$ 11,707.20
<u>30</u> % of base wages (fringe benefits, BWC, etc.)					3,512.16
<u>38</u> % of wages and fringe benefits for overhead					4,448.74
Total Labor Estimate					\$ 19,668.10

ESTIMATED MATERIALS

Description	Cost per Unit		Quantity	Unit Type		Total
Concrete	190.00	x	25	CY	= \$	4,750.00
Stone	25.00	x	350	TON	=	8,750.00
Asphalt	85.00	x	60	TON	=	5,100.00
Waterproofing	5.00	x	927	SF	=	4,635.00
6" Perforated Pipe	0.00	x	85	LF	=	-
6" Non-perforated Pipe	0.00	x	18	LF	=	-
Geotextile Fabric	0.00	x	71	SF	=	-
Bearing Pads	30.00	x	36	EA	=	1,080.00
Drip Strip	20.00	x	67	LF	=	1,340.00
Misc.	2000.00	x	1	LS	= \$	2,000.00
Base Materials					\$ 27,655.00	
<u>15</u> % of base materials for overhead					4,148.25	
Total Materials Estimate					\$ 31,803.25	

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			Total
		Hour/Mile	Hours/Miles		
Excavator (Small)	County	22.62	x 40	= \$	904.80
Excavator (Large)	County	89.52	x 80	=	7,161.60
Tandem Dump	County	18.48	x 120	=	2,217.60
Single Axle Dump	County	16.61	x 0	=	-
Forman Truck	County	13.81	x 40	=	552.40
Pickup	County	8.44	x 40	=	337.60
Truck Tractor	County	13.78	x 0	=	-
Trailer	County	17.51	x 16	=	280.16
Roller	County	9.54	x 16	=	152.64
Bridge Truck / Sign Truck	County	10.03	x 0	=	-
Paver	County	14.34	x 48	=	688.32
Distributor	County	21.42	x 0	=	-
Skidsteer	County	11.09	x 0	=	-
Skidsteer Milling Attachment	County	21.09	x 8	=	168.72
Wheel Loader	County	25.74	x 0	=	-
Power Broom	County	12	x 8	=	96.00
Bucket Truck	County	12.67	x 0	=	-
Chipper with Truck	County	10.97	x 0	=	-
Asphalt Zipper	County	47.01	x 0	=	-

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



Douglas E. Cade

Total Equipment Estimate	\$	12,559.84
Total Labor Estimate	\$	19,668.10
Total Materials Estimate	\$	31,803.25
Total Equipment Estimate	\$	12,559.84
Total Cost	\$	64,031.19

Prepared by:

Title: County Engineer

Date: 12/2/2024

Federal and State Grant Summary

Bridge Number / Road Number	Township	Description	County Funds	OPWC Funds	ODOT Funds	Federal Funds	Total Estimate
CR 139	Liberty	SR 12 to US 224	\$ 107,997	\$ 107,997			\$ 215,994
CR 203	Pleasant	CR 16 to SR 235	\$ 246,184	\$ 246,184			\$ 492,368
CR 95	Liberty	CR 140 to West Findlay City Limits	\$ 107,251	\$ 107,251			\$ 214,502
M520 - Morey Ave Bridge	City of Findlay	Remove Existing Bridge and Install new Precast Box Beam Bridge	\$ 40,556		\$ 770,570		\$ 811,126
CR 180 -0367	Marion	Design Build to Remove Existing Bridge and Install new Precast Box Beam Bridge	\$ 102,457.00			\$2,049,150.00	\$ 2,151,607
		Total	\$ 604,445	\$ 461,432	\$ 770,570	\$ 2,049,150	\$ 3,885,597

Summary

2025 Force Account and Contract Work

Asphalt Patching - Force Account	\$	642,419
Asphalt Resurfacing - Contract	\$	1,641,049
OPWC Resurfacing - County Share	\$	461,432
Asphalt Widening - Contract	\$	-
ODOT / FHWA Resurfacing - County Share	\$	-
Bridge Restoration Program - Force Account	\$	64,031
Bridge Contract Services	\$	38,000
OPWC Bridge Projects - County Share	\$	-
ODOT Bridge Projects - County Share	\$	2,962,733
Roadside Drainage - Contract	\$	-
Drainage, Berm Oil and Patching	\$	100,000
Road Striping - Contract	\$	150,000
Grand Total	\$	6,059,664

Bateson

_____ 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 (MVGTT) Account.

Bechtol

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

follows:

Absent

Michael Pepple

William Bateson

William Bateson

Timothy Bechtol

Timothy Bechtol

yes

yes

Attest:

Alex

Auditor
Engineer

Engineer File
Resolution File