































Walnut Dowler Road (20' x 44')































Haydenville Road (36' x 40')















Ilesboro Road (28' x 40')















Maysville-Williams Road (24' x 45')



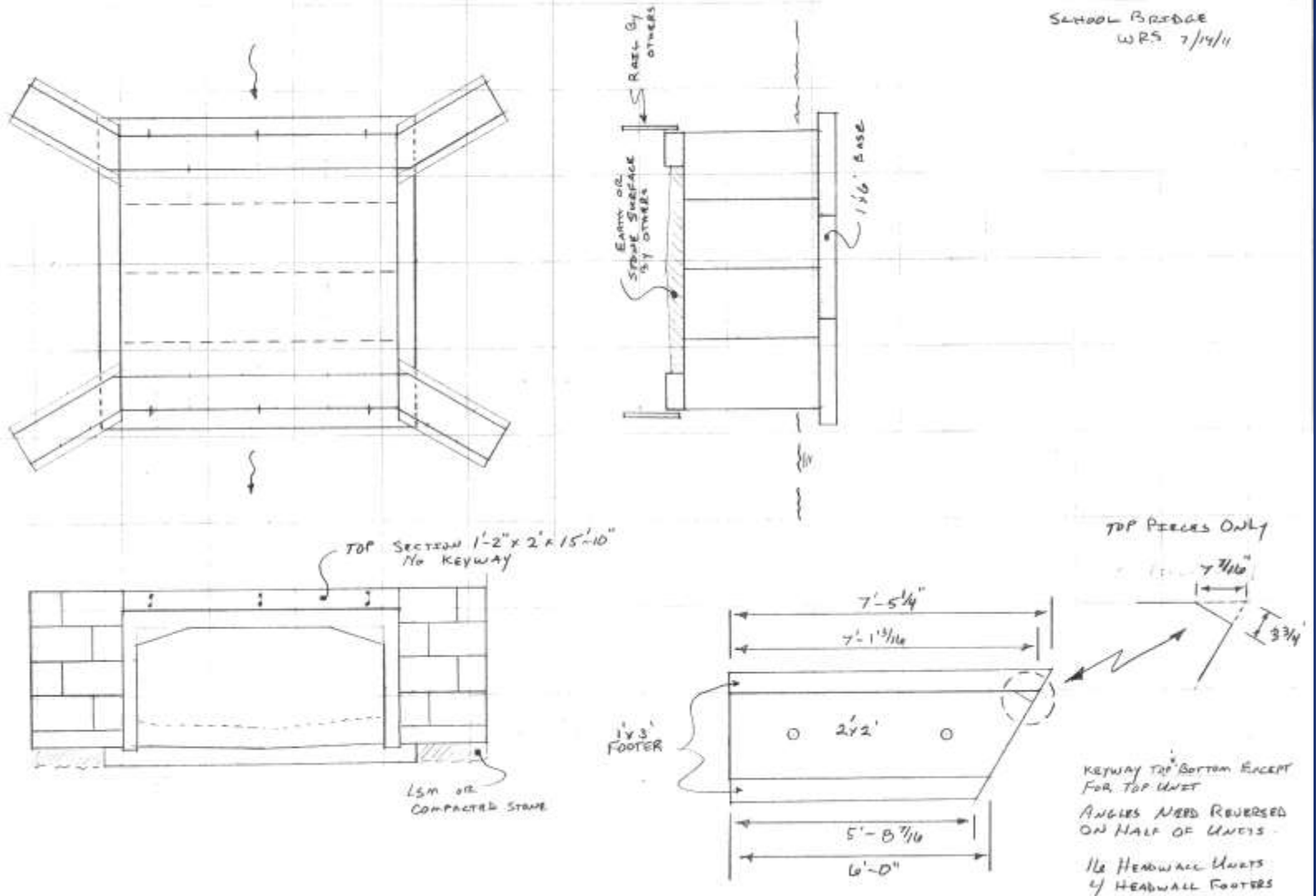








School Bridge (16' x 15'-10")















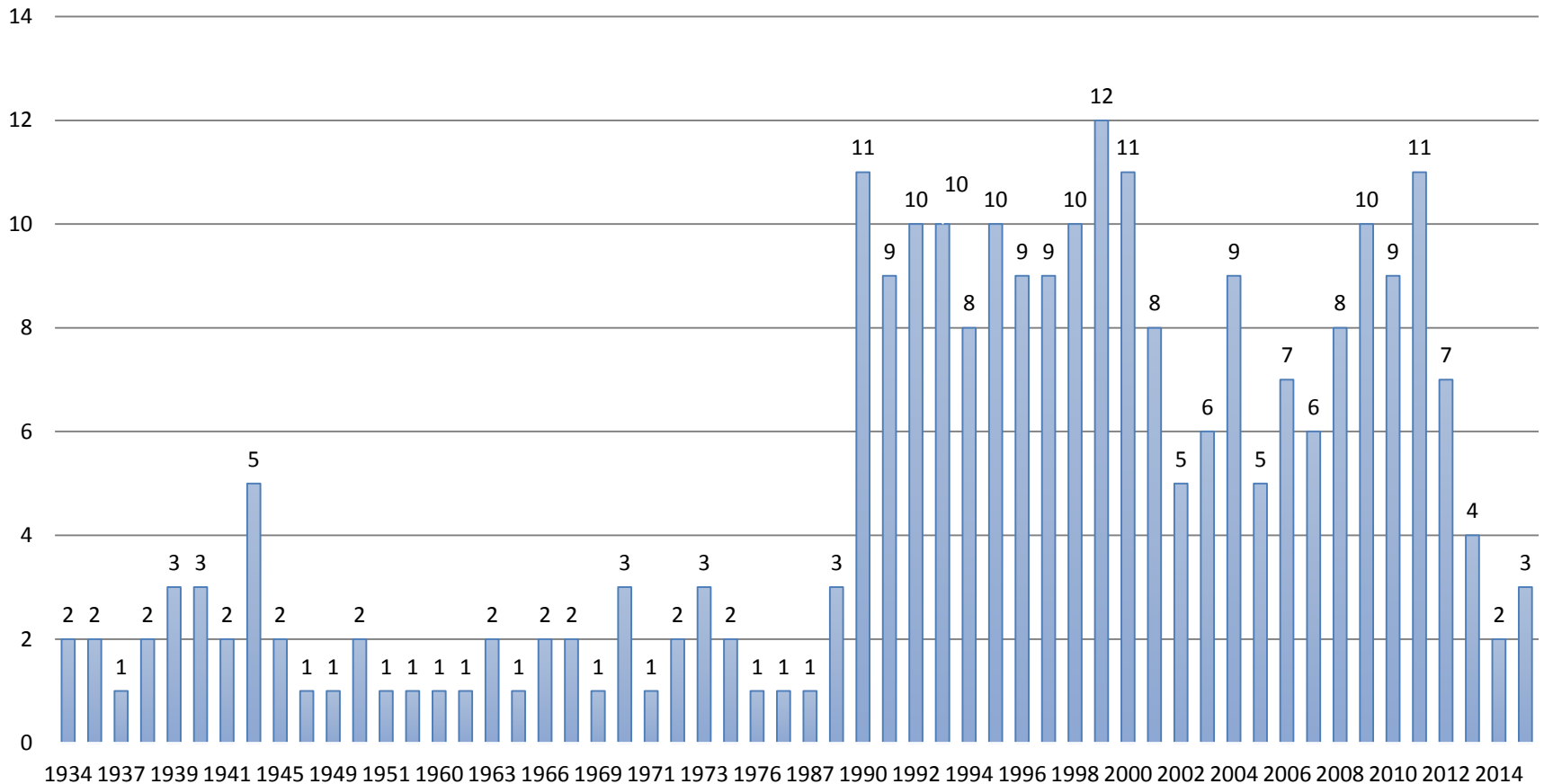






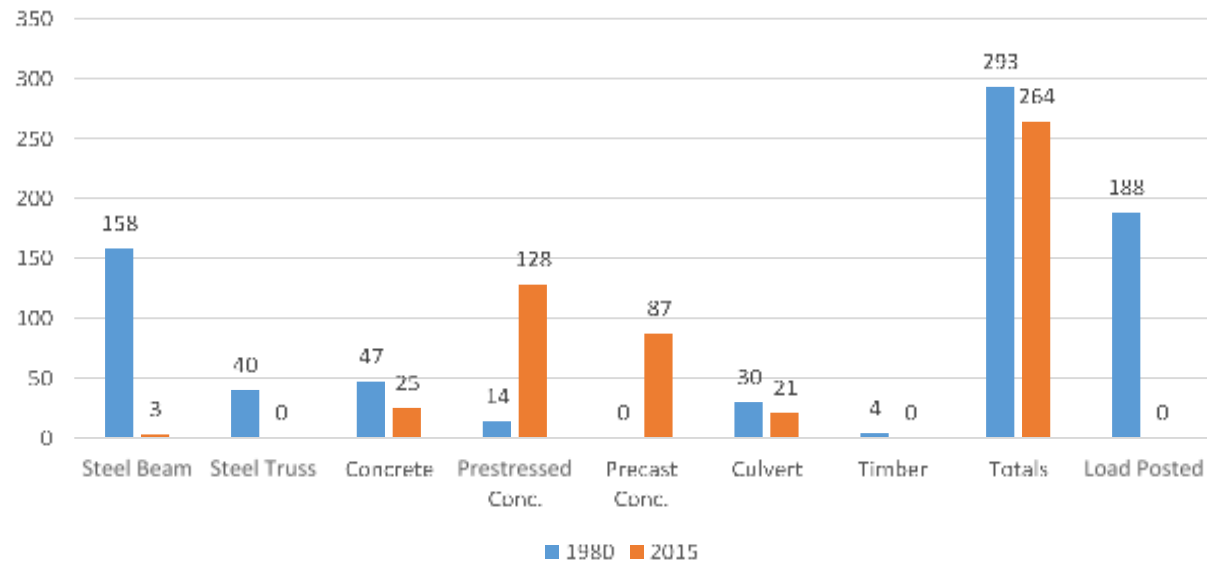


Hocking County Bridges Built By Year 1934 - 2015



Number of and year built for all Hocking County Bridges under our jurisdiction.

Bridge Types 1980 vs 2015



	<u>1980</u>	<u>2016</u>
Steel Truss	40	0
Steel Beam	158	3
	198 (68%)	
Concrete (WPA)	47	25
Precast	0	87
Prestressed	14	128
		240 (91%)
Culvert	30	21
Timber	<u>4</u>	<u>0</u>
	293	264

Force Account Project Assessment Form ACTUAL

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 cost 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: CR #42, Frasure Helber Road

Project Description:	Bridge Replacement
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ACTUAL Start Date: June 24, 2013

ACTUAL End Date: July 1, 2013

ACTUAL LABOR (please complete the shaded fields)

[illegible]

Total Base Wages

56,184.06

30 % of base wages (fringe benefits, BWC, etc.)

\$1,855.22

38 % of wages and fringe benefits for overhead

\$3,054.93

Total Labor ACTUAL

\$11,094.20

ACTUAL MATERIALS (please complete the shaded fields)

Description	Cost per Unit	Quantity	Unit Type	Total
dirt hauled away	\$6.00	X 168.75	cy	= \$1,012.50
class C concrete	\$94.50	X 33.75	yd	= \$3,189.38
1'x3'x29" footer	\$1,590.65	X 2	ea	= \$3,181.30
2'x2'x28" cap	\$1,368.36	X 2	ea	= \$2,736.72
#4 stone	\$18.25	X 19.58	ton	= \$357.34
#8 stone	\$19.25	X 3.02	ton	= \$58.14
type N mortar	\$8.95	X 4	bag	= \$35.80
1'x3'x25" deck beam	\$2,248.25	X 8	ea	= \$17,986.00
Rip Rap C	\$25.00	X 33.22	ton	= \$830.50
gabion stone	\$20.90	X 4	ton	= \$83.60
grout	\$7.94	X 37	bag	= \$293.78
weld wire 8x15'	\$16.65	X 7	sheet	= \$116.55
6'3" guardrail	\$39.50	X 2	ea	= \$79.00
guardrail post	\$7.00	X 5	ea	= \$35.00
#304 berm	\$17.75	X 19.42	ton	= \$344.71
fill dirt	\$6.00	X 13.5	cy	= \$81.00
bridge end marker	\$11.50	X 4	ea	= \$46.00
sign post	\$11.02	X 4	ea	= \$44.08
butterfly guardrail delineator	\$3.25	X 8	ea	= \$26.00

straw	\$3.50	X	4	bale	=	\$14.00
grass seed	\$1.39	X	1	lb	=	\$1.39
		X			=	\$0.00
		X			=	\$0.00
		X			=	\$0.00
		X			=	\$0.00
		X			=	\$0.00
				Base Materials	=	\$30,552.77 = 50.92 sf
	15 % of base materials for overhead				=	\$4,582.92
Total Materials ACTUAL						\$35,135.69

ACTUAL EQUIPMENT (please complete the shaded fields)

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 as 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 public entity must be listed in the form and reflect the actual rental rate.

Description	Rate per		Hours		Total
	Hour				
bridge truck	\$1.78	X	71 miles	=	\$126.38
heavy excavator	\$34.07	X	17 hours	=	\$579.19
2 - tractor	\$2.10	X	73 miles	=	\$153.30
4 - trailer	\$1.10	X	116 miles	=	\$127.60
light excavator	\$38.58	X	17.5 hours	=	\$675.15
welder's truck	\$1.07	X	31 miles	=	\$33.17
8 - dump truck	\$2.08	X	545 miles	=	\$1,133.60
pickup truck	\$0.72	X	58 miles	=	\$41.76
Terex crane	\$98.95	X	7 hours	=	\$692.65
welder	\$13.67	X	2 hours	=	\$27.34
fuel truck	\$0.75	X	30 miles	=	\$22.50
mortar mixer	\$5.12	X	5 hours	=	\$25.60
bridge truck	\$0.96	X	28 miles	=	\$26.88
concrete saw	\$80.73	X	1 hour	=	\$80.73
Rosco broom	\$50.23	X	1 hour	=	\$50.23
		X		=	\$0.00
		X		=	\$0.00
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		X		=	\$0.00

TOTAL ACTUAL PROJECT COST
(labor + materials + equipment)

\$50,025.97

= 83.30 / sf

Prepared by:

Title:

Date:

Force Account Project Assessment Form ACTUAL

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 cost 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: TR #324, McDaniel Road

Project Description: Bridge Replacement

ACTUAL Start Date: June 25, 2012

ACTUAL End Date: July 3, 2012

ACTUAL LABOR (please complete the shaded fields)

[illegible]

ACTUAL MATERIALS (please complete the shaded fields)

Description	Cost per Unit	Quantity	Unit Type	Total
5 1/2" casing	\$3.25	X 230	ft	\$747.50
dirt hauled away	\$6.00	X 54	cy	\$324.00
1'x3'x33" footer	\$1,778.70	X 2	ea	\$3,557.40
2'x2'x32" cap	\$1,533.44	X 2	ea	\$3,066.88
2'x2'x28" cap	\$1,341.76	X 2	ea	\$2,683.52
type N mortar	\$8.95	X 6	bag	\$53.70
#4 stone	\$17.25	X 45.91	ton	\$791.95
Rip Rap C	\$24.00	X 50.69	ton	\$1,216.56
17"x3"x30" deck	\$3,477.30	X 8	ea	\$27,818.40
#2 stone	\$17.25	X 15.57	ton	\$268.58
grout	\$9.88	X 54	bag	\$533.52
12 1/2" galvanized guardrail	\$79.00	X 10	ea	\$790.00
guardrail ends	\$27.00	X 4	ea	\$108.00
wood guardrail posts	\$7.00	X 4	ea	\$28.00
expansion material	\$1.05	X 72	sq ft	\$75.60
#304 berm	\$16.65	X 39.06	ton	\$650.35
bridge end markers	\$11.50	X 4	ea	\$46.00
sign posts	\$11.02	X 4	ea	\$44.08
butterfly guardrail delineator	\$3.25	X 6	ea	\$19.50

straw	\$3.50	X	8	bale	=	\$28.00
grass seed	\$1.24	X	1	lb	=	\$1.24
class C concrete	\$93.00	X	29.25	yd	=	\$2,720.25
		X			=	\$0.00
		X			=	\$0.00
		X			=	\$0.00
Base Materials					=	\$45,573.03
15 % of base materials for overhead					=	\$6,835.95
Total Materials ACTUAL					=	\$52,408.98

ACTUAL EQUIPMENT (please complete the shaded fields)

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 as 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 public entity must be listed in the form and reflect the actual rental rate.

Description	Rate per		Hours		Total
	Hour				
bridge truck	\$1.53	X	171 miles	=	\$261.63
2 - heavy excavator	\$34.07	X	31 hours	=	\$1,056.17
2 - tractor	\$2.00	X	301 miles	=	\$602.00
5 - trailers	\$1.10	X	411 miles	=	\$452.10
welder's truck	\$1.10	X	97 miles	=	\$106.70
7 - dump truck	\$2.25	X	870 miles	=	\$1,957.50
pickup truck	\$0.63	X	137 miles	=	\$86.31
Terex crane	\$98.95	X	6 hours	=	\$593.70
welder	\$13.67	X	2 hours	=	\$27.34
fuel truck	\$0.71	X	103 miles	=	\$73.13
mortar mixer	\$5.12	X	3.5 hours	=	\$17.92
		X		=	\$0.00
		X		=	\$0.00
		X		=	\$0.00
		X		=	\$0.00
		X		=	\$0.00
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		X		=	\$0.00
		X		=	\$0.00
Total Equipment ACTUAL					\$5,234.50

TOTAL ACTUAL PROJECT COST $\$69,373.66 = 96.35 / 51.2$
(labor + materials + equipment)

Prepared by: _____
 Title: _____
 Date: _____

Force Account Project Assessment Form ACTUAL

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

Project Name/Number: CR #303, Cherry Ridge Road 24' x 45'

Project Description: Bridge Replacement

ACTUAL Start Date: June 3, 2013 ACTUAL End Date: June 18, 2013

ACTUAL LABOR (please complete the shaded fields)

Description	Base Wage	Hours Worked	Total
Road Superintendent	\$26.20 X	21 =	\$550.20
Bridge Foreman	\$20.54 X	92 =	\$1,889.68
Bridge Production Foreman	\$20.46 X	10 =	\$204.60
Road Sign, Bridge Inspector	\$20.54 X	10 =	\$205.40
5 - Equipment Operator II	\$20.30 X	303 =	\$6,150.90
Equipment Operator I	\$18.68 X	20 =	\$373.60
	X	=	\$0.00
	X	=	\$0.00
	X	=	\$0.00
	X	=	\$0.00
	X	=	\$0.00
Total Base Wages			\$9,374.38
30 % of base wages (fringe benefits, BWC, etc.)			\$2,812.31
38 % of wages and fringe benefits for overhead			\$4,630.94
Total Labor ACTUAL			\$16,817.64

ACTUAL MATERIALS (please complete the shaded fields)

Description	Cost per Unit	Quantity	Unit Type	Total
dirt hauled away	\$6.00 X	216	cy	\$1,296.00
#8 rebar	\$0.47 X	1762.2	lb	\$828.23
5 1/2" casing	\$3.25 X	720	ft	\$2,340.00
24" plastic culvert w/bell	\$12.45 X	60	ft	\$747.00
class C concrete	\$99.00 X	20	yd	\$1,980.00
class C concrete	\$94.50 X	12.75	yd	\$1,204.88
type N mortar	\$8.95 X	5	bag	\$44.75
1'x3'x33" footer	\$1,810.05 X	2	ea	\$3,620.10
2'x2'x32" cap	\$1,563.84 X	2	ea	\$3,127.68
2'x2'x28" cap	\$1,368.36 X	2	ea	\$2,736.72
mixed fill dirt	\$6.00 X	19.5	cy	\$117.00
#4 stone	\$18.25 X	52.16	ton	\$951.92
4" perforated plastic pipe	\$0.57 X	100	ft	\$57.00
Rip Rap C	\$25.00 X	108.78	ton	\$2,719.50
gabion stone	\$20.90 X	14.28	ton	\$298.45
grout	\$7.94 X	58	bag	\$460.52
8x15" weld wire	\$16.65 X	4	sheet	\$66.60
#2 stone	\$18.25 X	26.94	ton	\$491.66
#304 berm	\$17.75 X	21.47	ton	\$381.09

[illegible]

Total Equipment ACTUAL	<u>\$7,544.64</u>
TOTAL ACTUAL PROJECT COST (labor + materials + equipment)	<u>\$51,843.20</u> = $\frac{\$}{48.00/\1^2}

Prepared by: _____
 Title: _____
 Date: _____

Contract = 24' x 45' Prestressed Deck "Set In Place" = $\frac{\$}{56,250} = \frac{\$}{52.00/\$1^2}$

TOTAL PROJECT = $\frac{\$}{108,093.20} = \frac{\$}{100.00/\$1^2}$

"Out Of Budget" = Base Mat = $\frac{\$}{23,896.46}$
 Deck Contract = $\frac{\$}{56,250.00}$
 $\frac{\$}{80,146.46} = \frac{\$}{74.21/\$1^2}$



Ohio Bridge Map

Posted & Closed County Bridges

with OBPP Bridges

Updated from ODOT SMS 3-30-15

