

GEAUGA COUNTY, OHIO

Bid Specifications

RS-0001-AC-2019

Asphalt Resurfacing of Sections A-C of Rapids Road, CH 1

Troy Township

Bids Received Until – March 20, 2019
1:45 P.M.

Bid Opening –

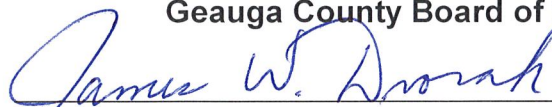
March 20, 2019
2:00 P.M.

Geauga County Board of Commissioners
c/o Christine Blair, Clerk
470 Center Street, Building 4
Chardon, Ohio 44024




Prepared under the supervision of
Nicholas J. Gorris, P.E. PE 67069
Geauga County Deputy Engineer

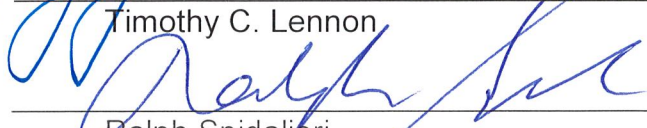
Plans/Specifications Approved by Geauga County Board of Commissioners


James W. Dvorak

Date 2-26-19


Timothy C. Lennon

Date 2/26/19.


Ralph Spidaleri

Date 2-26-19

LEGAL NOTICE

Geauga County

Notice is hereby given that sealed bids will be received by the Geauga County Board of Commissioners, c/o Christine Blair, Clerk, 470 Center Street, Building 4, Chardon, Ohio 44024 until 1:45 P.M. official local time on Wednesday, March 20, 2019 for **The Asphalt Resurfacing of Sections A-C of Rapids Road, CH 1**. Bids received will be publicly opened and read aloud the same day at 2:00 P.M. The estimated construction cost for this project is **\$500,000.00**.

Copies of the surveys, plans, profiles, cross sections and specifications are on file with the Board of County Commissioners and may be obtained digitally online at <http://www.co.geauga.oh.us/Departments/Engineer/OnlinePlans.aspx> or a hardcopy is available at the Geauga County Engineer's Office, 12665 Merritt Road, Chardon, Ohio 44024.

A copy of this legal notice is posted on the county's internet site on the World Wide Web. Go to <http://www.co.geauga.oh.us/Bids.aspx> and click on the project name to view this legal.

A bid guaranty in the amount of one hundred (100%) percent of the bid amount or a certified check, cashier's check or letter of credit pursuant to Chapter 1305 of the Ohio Revised Code in the amount of ten (10%) percent of the total bid amount shall accompany each bid. The bid shall be let upon a unit price basis.

All contractors and subcontractors involved with the project will, to the extent practicable, use Ohio products, materials, services, and labor in the implementation of their project. Bidders must comply with the prevailing wage rates on Public Improvements as determined by the Ohio Department of Industrial Relations.

Bids may be held by the Geauga County Board of Commissioners for a period not to exceed sixty (60) days from the date of opening, for the purpose of reviewing the bids and investigating the qualifications of bidders, prior to awarding the contract.

The Geauga County Board of Commissioners reserves the right to reject any and all bids, to waive any informalities or irregularities in the bids received, and to accept any bid or bids which are deemed most favorable to the Board at the time and under conditions stipulated, all in accord with the applicable provisions of laws of the State of Ohio governing the conduct of the Geauga County Board of Commissioners.

BY THE ORDER OF THE GEAUGA COUNTY BOARD OF COMMISSIONERS

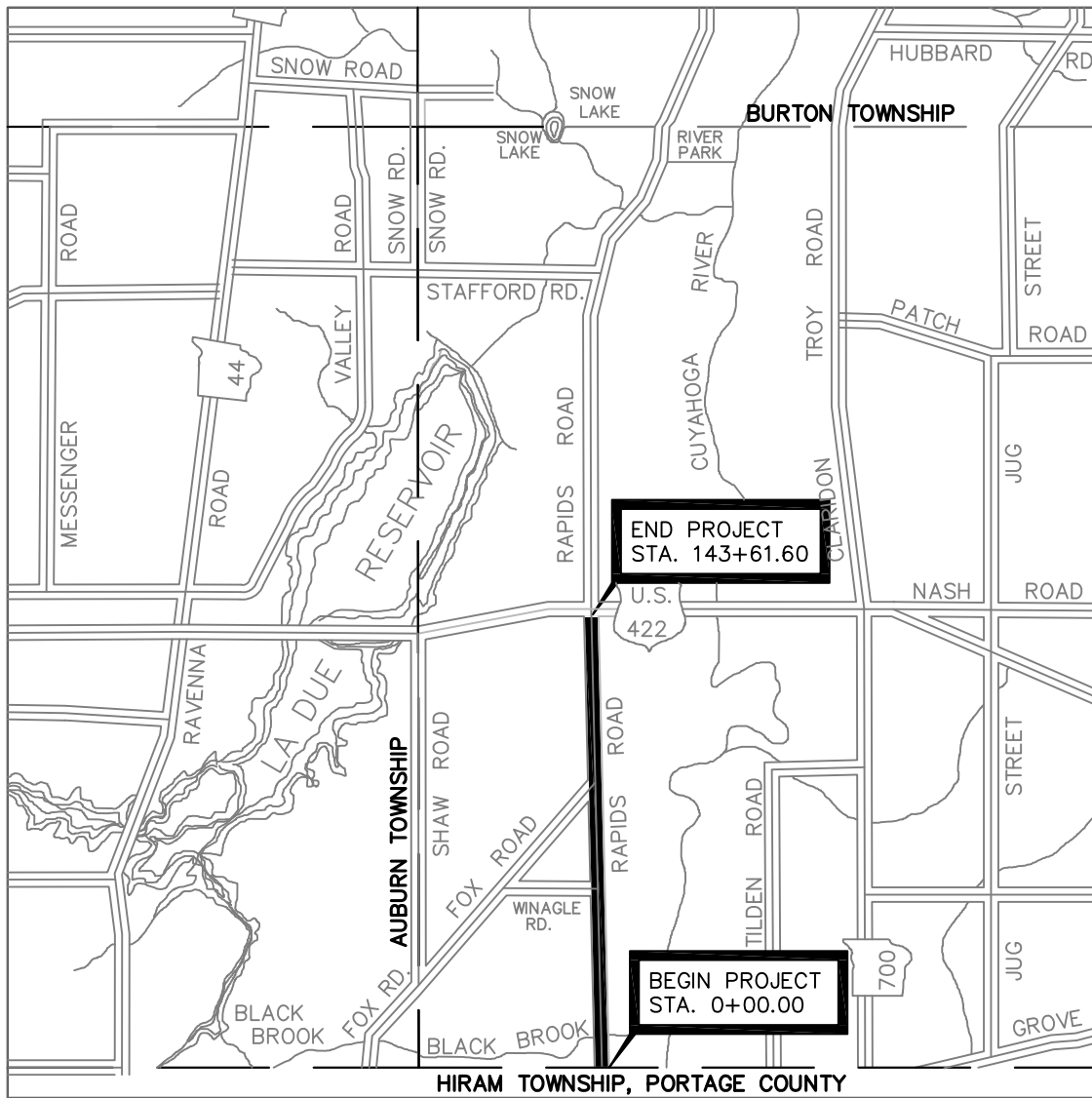
Christine Blair, Clerk

Publish: February 28, 2019

LOCATION MAP

RS-0001-AC-2019

RAPIDS ROAD CH 1, SECTIONS A-C TROY TOWNSHIP



DESCRIPTION OF WORK

Section 1 General

The Construction and Material Specifications dated 2016 published by the Ohio Department of Transportation (ODOT) and the *Modifications to the Ohio Department of Transportation's 2016 Construction and Material Specifications for Geauga County* dated 2019 shall govern this project except where otherwise noted in this Specification Booklet. The *Standard Contract Provisions for Contracts Prepared by the Geauga County Engineer's Office* dated 2019 shall govern the contractual agreement for this project. These Documents are available on the Geauga County Engineer's Web Site, go to <https://www.co.geauga.oh.us/Departments/Engineers-Office/Online-Plans> to view these documents or they may be picked up at the Engineer's Office. The requirements of Section 4115 of the Ohio Revised Code with regards to prevailing wages shall be followed for this project.

The project shall include the Asphalt Resurfacing of Sections A-C of Rapids Road, CH 1. The project locations are generally shown on the Location Map. The work shall include improvement of approximately 2.72 miles of roadway. All work for this project shall be completed within the existing right of way. No work shall be done within existing streams or wetlands.

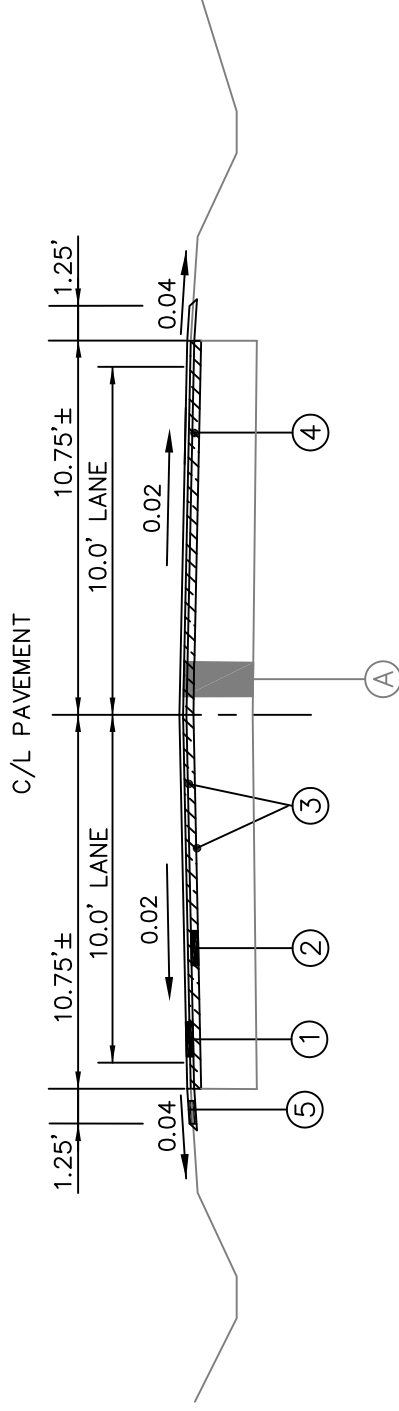
TYPICAL SECTION

RS-0001-AC-2019

ASPHALT RESURFACING OF SECTIONS A-C

RAPIDS ROAD, CH 1

TROY TOWNSHIP, GEauga COUNTY



TYPICAL SECTION

STA. 0+00.00 TO STA. 143+61.60 = 14,361.60 FEET

14,361.60 FEET

LEGEND

- ① ITEM 424 - 1" FINE GRADED POLYMER ASPHALT CONCRETE SURFACE COURSE, TYPE B, PG76-22M, AS PER PLAN
- ② ITEM 441 - 1 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) PG64-22
- ③ ITEM 407 - TRACKLESS TACK COAT
- ④ ITEM 254 - 2" PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN
- ⑤ ITEM 617 - 1" COMPACTED AGGREGATE (RACP)
- (A) EXISTING ASPHALT PAVEMENT (11.0 INCHES - AVERAGE DEPTH)

* STATION 0+00.00 IS LOCATED AT THE MONUMENT BOX AT THE PORTAGE COUNTY LINE

Section 2 Inspection and Notification

A pre-construction conference will be scheduled by the Engineer with the Contractor prior to the start of construction. The Contractor shall submit a detailed Schedule of Operations for approval 24 hours prior to the pre-construction meeting. The Contractor shall notify the Engineer at least seven (7) days in advance of the beginning of construction, so the Engineer may schedule the inspection.

The Contractor shall notify the local fire department, police and other appropriate agencies that may require the use of the road during emergency situations. If any area becomes inaccessible at any time, the Contractor shall immediately notify the agencies of these locations. The Contractor shall schedule his work and coordinate with local schools as listed below to accommodate the pick-up and delivery of school students if applicable.

LOCAL AGENCY CONTACT NUMBERS:

Geauga County Sheriff	(440) 279.2009
State Highway Patrol	(440) 286.6612
Geauga Transit	(440) 279.2150
Geauga Metzenbaum	(440) 729.9406
United States Postal Service (Burton)	(440) 834.8656
Berkshire Local School District	(440) 834.3380
Troy Road Department	(440) 834.1293
Troy Fire Department	(440) 834.1810

UTILITY OWNERS AND CONTACT PERSONNEL:

The Contractor is required to contact OHIO811, 8-1-1 or (800) 362-2764 or OHIO811.org a minimum of two (2) working days prior to commencing any work.

The utilities listed below may have facilities within the project limits:

Orwell Natural Gas	Jeff Heidnik	(440) 413.9809
Dominion East Ohio Gas	Bryan Dayton	(330) 664.2409
The Illuminating Co.	Tim Denzler	(440) 953.7650
Windstream	Jon Hobby	(440) 285.5474
Suddenlink	Jerry Walsh	(330) 207.0894
AT&T	James Janis	(216) 476.6142
Enervest Gas Pipelines	Kenneth Kreager	(330) 877.6747
Summit Petroleum	Linda Mahne	(330) 487.5494
Dry Hole	Eric Lindberg	(330) 720.8185

Section 3 Maintaining Traffic

Rapids Road – CH 1 [2.72 Mile] - Traffic shall be maintained for the duration of the project.

The approximate ADT for these sections of Rapids Road is 600 vehicles per day.

ODOT Item 614 - Maintaining Traffic

The Contractor shall furnish at least two (2) employees to serve as traffic control flaggers and the work zone shall follow the specifications set forth in ODOT SCD MT-97.11. In order to properly maintain traffic, the Contractor shall use additional flaggers when working at the intersections of adjacent roads. A Law Enforcement Officer shall be used in the signalized intersection when work is in progress within 500' of the intersection.

All traffic control devices shall be installed, erected, maintained and removed by the Contractor, at the direction of the Engineer. The sign quantities in brackets are the minimum number of signs to be installed. Additional signs may be required and installed as directed by the Engineer. "ROAD WORK AHEAD" (W20-1) signs with D-3[Rapids Road] shall be placed at the project beginning and project ending locations as well as intersecting side roads. The Contractor shall install orange "NO EDGE LINES" signs [ten (10)] at the beginning and end locations of the project and every one-half mile in each direction along the project as directed by the Engineer. The Contractor shall also install white "DO NOT PASS" (R4-1) signs [Ten (10)] at these locations until the application of the final pavement markings. Before the pavement planing operation, the Contractor shall furnish and maintain orange "GROOVED PAVEMENT AHEAD" signs [Five (5)] in advance of each beginning location and ending location as well as intersecting side roads for the pavement planing areas until the placement of the intermediate course.

All signs and barricades shall meet the reflective requirements of ODOT Item 630.04. Local Officials, as listed above, shall be contacted forty-eight (48) hours prior to the start of the work.

All work and traffic control devices shall be in accordance with ODOT Item 614 and other applicable portions of the specifications, as well as the Ohio Manual of Uniform Traffic Control Devices. Payment for all labor, equipment and materials shall be included in the Lump Sum contract price for ODOT Item 614, Maintaining Traffic, unless separately itemized in the plan.

ODOT Item 614 - Work Zone Center Line, Class II, 740.06, Type 1

The Contractor shall furnish and install temporary retro-reflective centerline pavement markings on the roadway following the pavement planing, application of the intermediate asphalt course, and the application of the asphalt surface course. The temporary retro-reflective centerline pavement marking shall be Type 1 paint following the pavement planing process.

Section 4 Construction

◆ ◆ ◆ Rapids Road - CH 1 [2.72 Mile] ◆ ◆ ◆

Sequence of Construction:

1. Pre-Construction Meeting
2. Traffic Maintenance Install / Mobilization
3. Construction Layout
4. Pavement Planing / Wearing Course Removed
5. Pavement Repairs
6. Type 2 Asphalt Intermediate Course
7. Type 1 Asphalt Surface Course (Driveways)
8. Polymer Asphalt Surface Course
9. Compacted Aggregate (RACP)
10. Permanent Pavement Marking
11. Detector Loop
12. Incidentals (Misc.)
13. Project Completion / De-Mobilization

Unless approved by the Engineer, the Contractor shall plan and prosecute the work in accordance with the above Sequence of Construction.

ODOT Item 253 - Pavement Repair, By Depth, As Per Plan

This item shall include all labor, equipment and material necessary to remove and replace the existing asphalt pavement and base, as marked by the Engineer. The asphalt pavement and base in the repair areas shall be removed by the grinding or saw cut methods without displacing or damaging the remaining pavement. The excavated trench shall be compacted utilizing approved compaction equipment. All faces adjoining existing pavement shall be cleaned and thoroughly coated with an approved liquid asphalt material. The Contractor shall use ODOT Item 301 Asphalt Concrete Base, PG64-22, to replace the excavated material. The cost of the material is to be included in the Bidder's unit price bid for this item.

The anticipated depth of pavement to be removed is shown on the table below and shall be completed after the pavement planing process is completed. Any additional excavations shall be made to a depth as directed by the Engineer. Payment for Pavement Repair shall be by the cubic yard of asphalt base material placed. A table of areas to be repaired has been provided and will be clearly marked by the Engineer in the field.

#	Beginning Station	Ending Station	Lane	Width (Feet)	Depth (Inches)	Volume (CY)
	0+00	PORTAGE/GEAUGA COUNTY LINE				
1	0+03	0+30	RIGHT	5	6	2.50
2	0+07	0+45	LEFT	6	6	4.22
3	0+65	1+05	RIGHT	4	6	2.96
4	0+65	1+05	LEFT	4	6	2.96
5	3+80	4+35	LEFT	4	6	4.07
6	4+35	4+75	LEFT	4	6	2.96
7	5+60	5+75	LEFT	4	6	1.11
8	5+75	6+20	LEFT	4	6	3.33
9	6+30	6+40	LEFT	4	6	0.74
10	6+60	7+00	LEFT	4	6	2.96
11	7+00	7+55	LEFT	4	6	4.07
12	8+20	8+40	LEFT	6	6	2.22
13	8+55	9+25	LEFT	4	6	5.19
14	12+00	12+35	RIGHT	4	6	2.59
15	28+50	29+60	LEFT	4	6	8.15
16	34+90	34+95	RIGHT	4	6	0.37
17	38+05	38+70	LEFT	4	6	4.81
18	45+30	46+15	LEFT	4	6	6.30
19	70+00	70+10	LEFT	4	6	0.74
20	90+30	91+25	RIGHT	4	6	7.04
21	96+90	101+80	RIGHT	4	6	36.30
22	99+50	99+55	LEFT	6	6	0.56
23	103+90	107+50	LEFT	4	6	26.67
24	108+30	109+90	LEFT	4	6	11.85
25	110+10	110+15	CENTER	4	6	0.37
26	114+85	115+50	RIGHT	4	6	4.81
27	115+70	115+90	CENTER	4	6	1.48
28	116+40	116+45	LEFT	4	6	0.37
29	118+00	118+30	CENTER	4	6	2.22
30	118+50	118+55	RIGHT	4	6	0.37
31	119+35	120+30	RIGHT	4	6	7.04
32	119+90	120+15	CENTER	4	6	1.85
33	121+10	121+60	RIGHT	4	6	3.70
34	123+00	123+05	LEFT	4	6	0.37
35	132+15	133+70	RIGHT	4	6	11.48
			SR 422			

SUB-TOTAL (CY): 178.76

USE (CY): 150.0

ODOT Item 254 - Pavement Planing, 2.0", Asphalt Concrete, As Per Plan

Pavement Planing will be performed to the lines and grades shown on the typical section. The existing asphalt pavement shall be removed at an anticipated average depth of two inches (2.0") at full width of pavement in specified areas unless otherwise noted. The Contractor shall remove the existing asphalt to an approximate slope of two percent (2%) across the lane in areas of normal crown.

The Contractor shall grind up to a minimum of four feet (4.0') into each side road and a minimum of two feet (2.0') into each driveway or as marked by the Engineer. For this process the Contractor shall use Engineer approved milling equipment. For driveway aprons, the mill depth shall be two inches (2.0") at the edge of the milled roadway surface and one and one-quarter (1.25") at the marked stopping point. The Contractor shall maintain and supply proper access to all drives and intersections throughout the milling process.

This work shall include the required butt joints for the side roads. Butt joints, per ODOT SCD BP-3.1, will be required at the following locations, as marked by the Engineer:

- Greystone Drive (45.0 SY)
- Winagle Road (45.0 SY)
- Fox Road (55.0 SY)

Care shall be taken to not damage any residential driveways, curb sections and/or castings during the planing process. Temporary ramps at bridge approaches and driveways shall be placed as directed, in order to maintain access to the roadway. The Contractor shall cut slots at all elevation low points for drainage. The Contractor shall remove all grindings from the job site and thoroughly sweep the ground roadway section before opening it up to traffic.

All asphalt grindings shall be transported to the Geauga County Engineer's Highway Maintenance Yard at 12665 Merritt Road, Chardon, Ohio. All costs associated with loading, transportation and disposal shall be included in the Bidder's unit price bid for this item.

ODOT Item 407 – Non-Tracking Tack Coat

Tack coat shall be applied to the existing asphalt prior to the placement of the intermediate course. The Engineer may adjust the application rate of 0.09 gallons per square yard. An additional quantity of tack coat to be applied on the intermediate course of asphalt prior to the placement of the surface course is included in the total quantity for this item. This quantity has been calculated at the application rate of 0.05 gallons per square yard and shall only be used at the direction of the Engineer.

ODOT Item 424 - Fine Graded Polymer, Asphalt Concrete, Surface Course, Type B, PG76-22M

The Contractor shall place a surface course as shown on the typical sections. The Contractor shall cover all existing asphalt pavement. The Contractor shall use four (4) rollers to compact the surface course including one (1) vibratory roller, two (2) tandem rollers, and one (1) small tandem roller. The vibratory roller shall be used to breakdown and compact the course with vibration used in only one direction of travel. The tandem rollers shall be used as the finish roller. The small tandem roller shall be used to compact areas where the large tandem roller cannot reach, including mailbox approaches and driveway transitions. The surface course shall not be placed the same day as the intermediate course.

ODOT Item 441 - Asphalt Concrete, Intermediate Course, Type 1, (448) PG64-22,

The Contractor shall place an intermediate course as shown on the typical sections. The Contractor shall use three (3) rollers to compact the intermediate course. A vibratory roller shall serve as the breakdown roller and compact the course with vibration used in only one direction of travel and two (2) tandem rollers shall be the second and finish roller.

ODOT Item 441 - Asphalt Concrete, Surface Course, Type 1, PG64-22 (Driveways)

The Contractor shall place driveway and intersection aprons at a depth of one and one-half inches (1.5"), at the locations marked by the Engineer. The paving of the driveways shall be a separate operation from the mainline paving. The lengths of aprons are subject to change at the direction of the Engineer. This operation shall be completed after the placement of the intermediate course and before the placement of the surface course. The aprons shall be feathered to meet existing drive grades. All asphalt drives and intersecting roads shall be swept thoroughly and then tacked with ODOT Item 407 prior to paving the aprons. The Contractor shall use Engineer approved compaction equipment.

ODOT Item 617 - Compacted Aggregate (RACP)

The Contractor shall place the stabilized shoulder back up material in one (1) lift at an average width of fifteen inches (1'-3") along the entire length of the roadway. The Contractor shall use a compaction method approved by the Engineer. The material placement shall not take place within a twenty-four hour (24hr) period of time, after the completed placement of the surface course.

ODOT Item 632 - Detector Loop

The Contractor shall replace detector loops per ODOT TC-82.10 at the following location, as required by the Engineer, if destruction is unavoidable during the normal roadway construction activities:

- Main Market (US 422)

ODOT Item 642 - Edge Line, 4", Type 1

ODOT Item 642 - Center Line, Type 1

ODOT Item 644 - Stop Line

The Contractor shall apply permanent paint pavement markings to the new asphalt surface. The Contractor shall apply centerline and edge line pavement markings according to the centerline logs approved by the Engineer. The lanes shall be striped at a width of Ten feet (10'-0"). Edge lines shall include the intersection radii and shall connect to the intersecting roadways.

All work and traffic control devices shall be in accordance with ODOT Item 614, SCD MT 99.20 and other applicable portions of the specifications, as well as the Ohio Manual of Uniform Traffic Control Devices.

Stop bars, per ODOT SCD TC-71.10, shall be placed as listed at the locations below. The Engineer will mark the exact location.

- Greystone Drive (10 Feet)
- Winagle Road (10 Feet)
- Fox Road (10 Feet)
- Main Market (U.S. 422) (10 Feet)

Section 5 Quantity Breakdown

RAPIDS ROAD (CH 1)

Total Length	2.72 MILE	Shoulder Width	1.25 FEET
Pavement Width	21.0 FEET	# of Drives	71
Side Road	3		
ITEM 103	Contract Performance Bond and Premium		1 LUMP
ITEM 253	Pavement Repair, By Depth, As Per Plan		150.0 CY
ITEM 254	Pavement Planing, 2.0" Depth, As Per Plan		34,000.0 SY
ITEM 407	Non-Tracking Tack Coat		4,700 GAL
ITEM 424	Fine Graded Polymer, Asphalt Concrete, Surface Course, Type B, PG76-22M		950.0 CY
ITEM 441	Asphalt Concrete, Intermediate Course, Type 1, (448) PG64-22		1450.0 CY
ITEM 441	Asphalt Concrete, Surface Course, Type 1, (448) PG64-22 (Driveways)		40.0 CY
ITEM 614	Maintaining Traffic		1 LUMP
ITEM 614	Work Zone Center Line, Class II, 740.06, Type 1		8.16 MILE
ITEM 617	Compacted Aggregate (RACP)		120.0 CY
ITEM 624	Mobilization		1 LUMP
ITEM 632	Detector Loop		1 EACH
ITEM 642	Edge Line, 4", Type 1		5.44 MILE
ITEM 642	Center Line, Type 1		2.72 MILE
ITEM 644	Stop Line		40.0 FEET

Geauga County Engineering Department

No Passing Zone Log

Page: 1 of 2

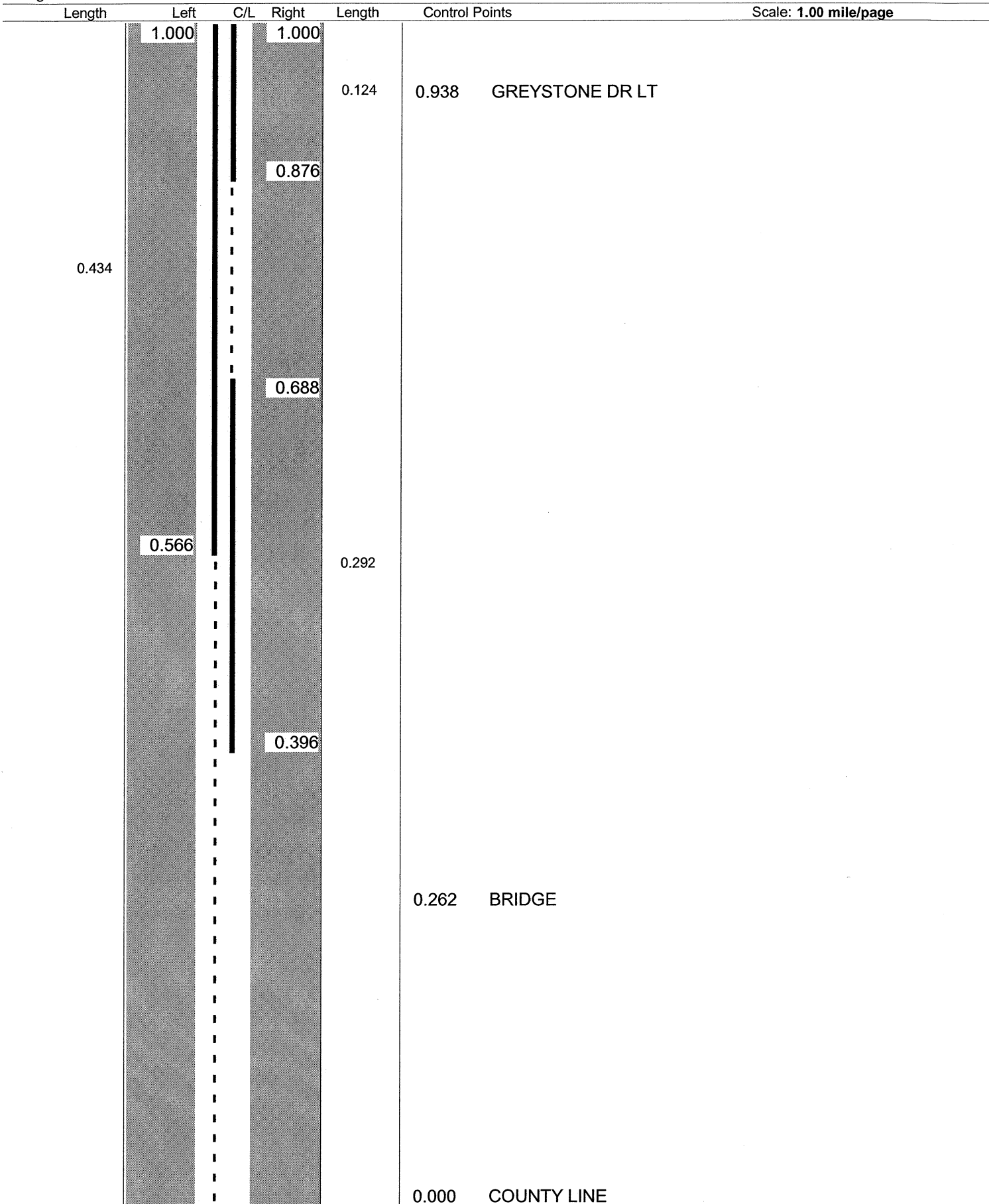
Route: 0001A (RAPIDS RD)

Length: 1.101

Direction: North

From: 0.000 COUNTY LINE

To: 1.101 WINAGLE RD



Sheet total equivalent length of solid line: 1.039

Accum. total: 1.039

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Geauga County Engineering Department No Passing Zone Log

Page: 2 of 2

Route: 0001A (RAPIDS RD)

Length: 1.101

Direction: North

From: 0.000 COUNTY LINE

To: 1.101 WINAGLE RD

Length	Left	C/L	Right	Length	Control Points	Scale: 1.00 mile/page
0.101	1.101	1.000	1.101	0.101	1.101 WINAGLE RD LT	

Sheet total equivalent length of solid line: 0.202

Accum. total: 1.241

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Geauga County Engineering Department

No Passing Zone Log

Page: 1 of 1

Route: 0001B (RAPIDS RD)

Length: 0.613

Direction: North

From: 1.101 TR 204 WINAGLE RD

To: 1.714 TR 201 FOX RD

Length	Left	C/L	Right	Length	Control Points	Scale: 1.00 mile/page
0.087	1.711		1.711	0.257	1.714 TR 201 FOX RD LT	
	1.624					
			1.454			
	1.432					
0.331			1.262	0.161	1.101 TR 204 WINAGLE RD LT	
	1.101		1.101			

Sheet total equivalent length of solid line: 0.927

Accum. total: 0.927

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Geauga County Engineering Department

No Passing Zone Log

Page: 1 of 2

Route: 0001C (RAPIDS RD)

Length: 1.007 Direction: North

From: 1.714 FOX RD

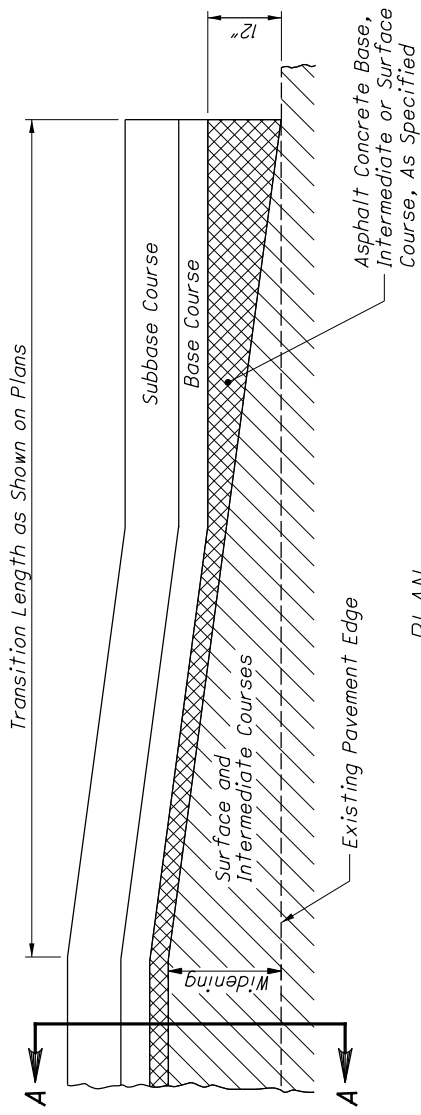
To: 2.721 US 422

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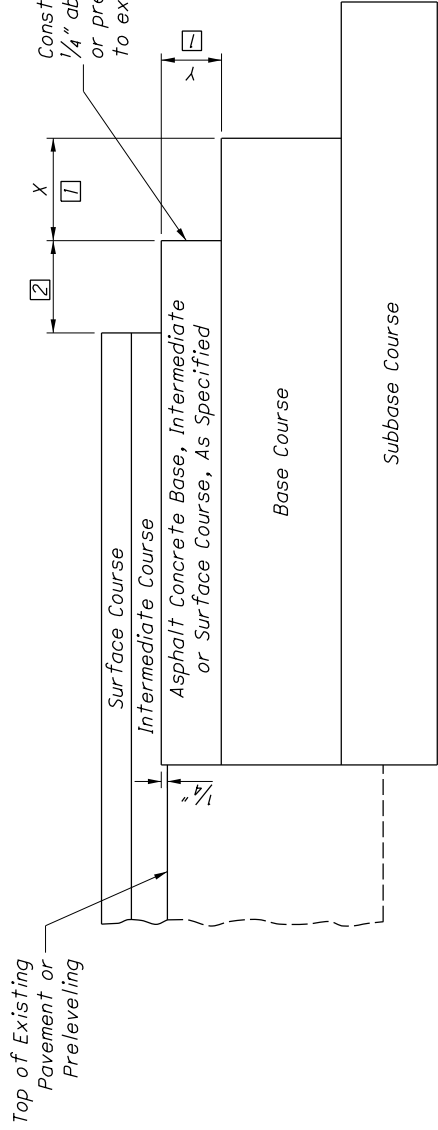
Page: 2 of 2

To: **2.721 US 422**

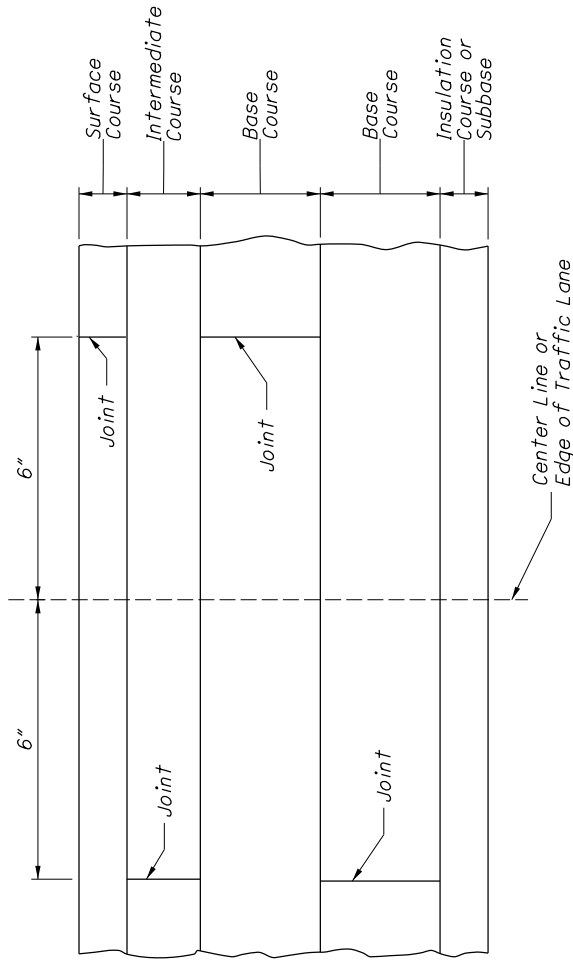
Sheet total equivalent length of solid line: 0.600 Accum. total: 0.784 © 2007 - MasterMind Systems, Inc. - Traffic Safety Suite



MERGING EDGE OF PAVEMENT WIDENING
WITH EDGE OF EXISTING PAVEMENT

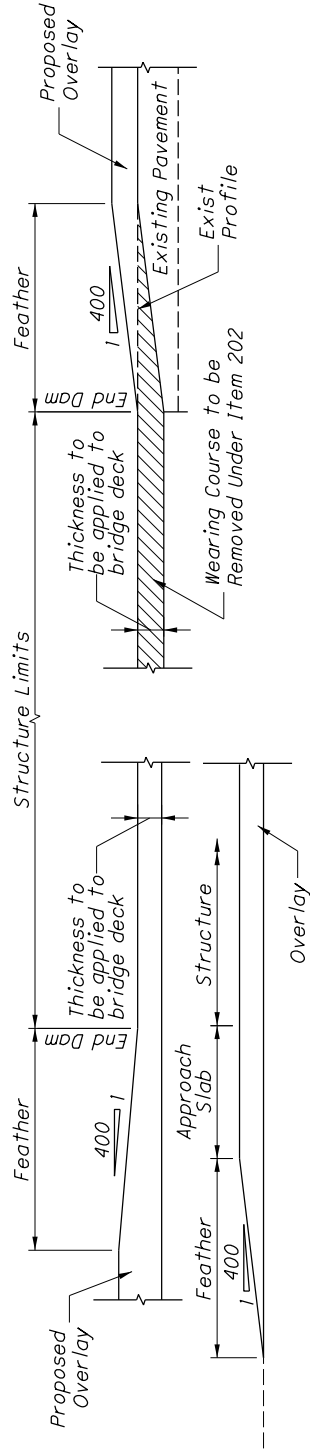


COURSE DETAIL FOR WIDENING



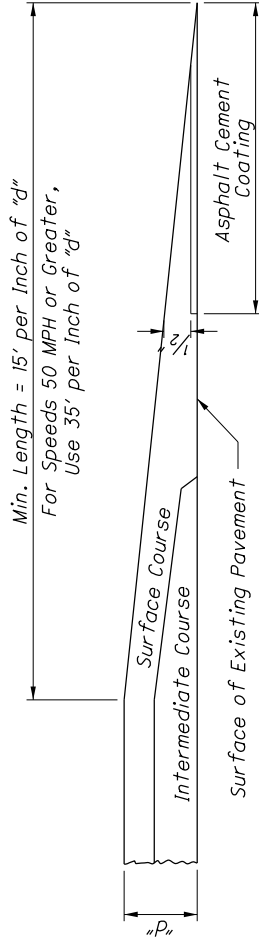
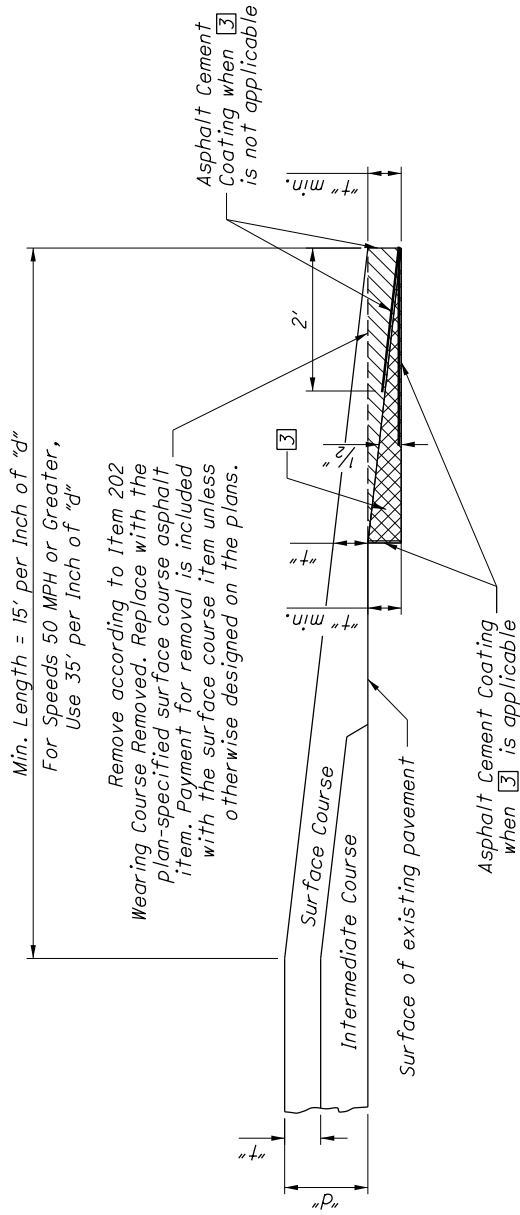
LEGEND

- ① The extended width (X) of a base or subbase lift shall be equal to the depth (Y) of the overlying lift or 6", whichever is greater, or as shown on the plans.
- ② The extended width shall be equal to the combined thickness of the surface and intermediate courses, or 4", whichever is greater.
- ③ Permissible removal and replacement



FEATHERING AT STRUCTURES

Details assume non-settled approach slabs. Smoothing of the profile for Settlement is required per plan grades or as directed by the Engineer.

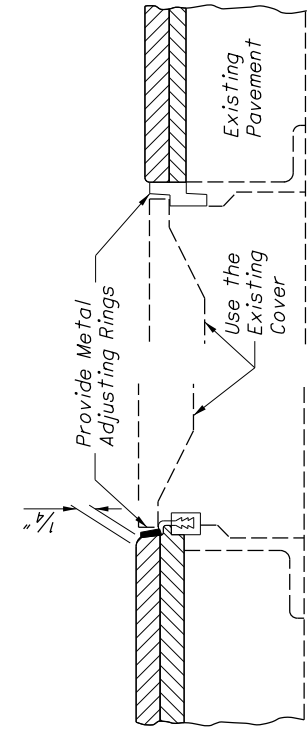


TAPER EDGE TYPE

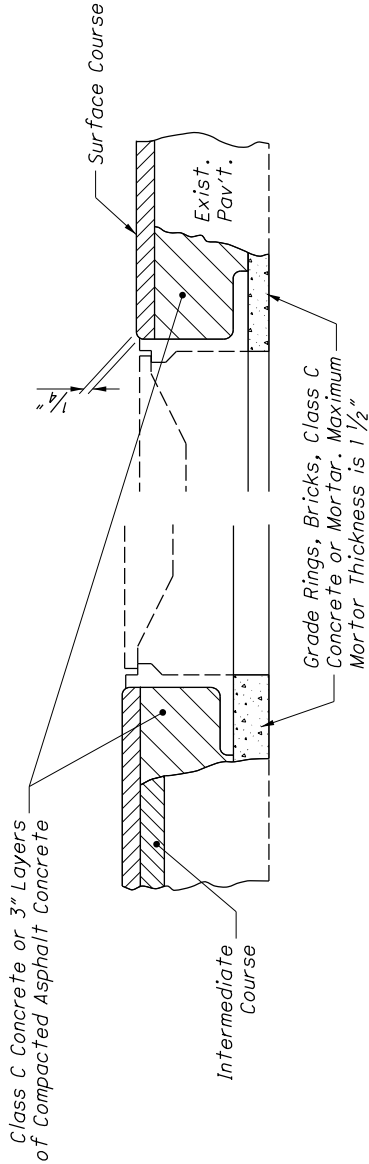
NOTE: Butt joint is required unless the taper edge is specified in the plans or approved by the Engineer

PLACING FEATHERED AREAS

Values for "t" and "d" are obtained from the plan.



USING METAL ADJUSTING RINGS



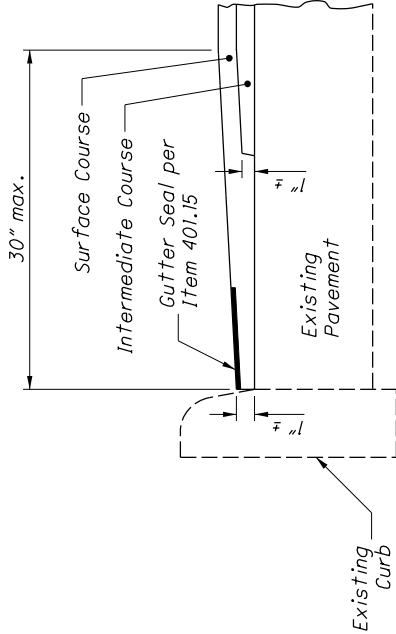
USING CONCRETE OR MORTAR

Metal adjusting rings shall:

- (a) Attach securely to the existing frame by welding or mechanical devices;
- (b) Consist either of cast metal having an integral rim and seat, or be fabricated metal with a sturdy connection between the seat and rim; and
- (c) Provide an even seat for the manhole cover.

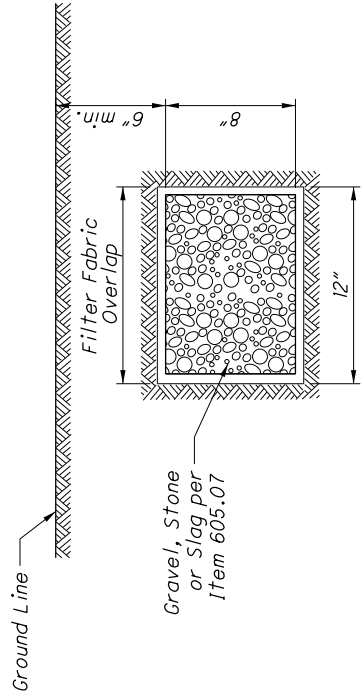
In addition, the adjusting ring type shall be a design acceptable to the local governmental agency responsible for street and sewer maintenance. Any installation unacceptable to the Engineer shall be replaced by the Contractor at his expense.

MANHOLES ADJUSTED TO GRADE



Special care shall be taken during construction to obtain maximum compaction of asphalt concrete in gutters.

GUTTER FINISH



Aggregate drains to be placed where and as directed by Engineer. Provide Filter Fabric when specified as a separate pay item.

AGGREGATE DRAIN

TABLE 4 - LANE USE MARKINGS

ROADWAY TYPE	DIMENSIONS (FT)		
	A (MIN.)	B	C
RURAL	30	88	8
URBAN	10	66	6

(See Note 5)

Stop Line
(See Note 3)

Lane Line

Channelizing Line

Center Line

Center or Lane Line Markings
(See Note 1E)

TABLE 2 - HANDICAP, BIKE & CHEVRON MARKINGS

SYMBOL	HEIGHT (IN)	WIDTH (IN)	AREA (SQ FT)
HANDICAP	41	36	2.7
BIKE	72	40	16
CHEVRON	40	40	3.3 (.83 x 4)

Handicap Symbol Marking

Bike Symbol Marking

Chevron Symbol Marking

TABLE 3 - WORDS (SQ FT)

WORD	HEIGHT (C, D)	
	URBAN 6'	RURAL 8'
ONLY (C)	17	23
SCHOOL (D)	27	37
		90

School Word Marking

Only Word Marking

TABLE 5 - R X R SYMBOL

(See Note 2)

W

R

R

W

WIDTH (W)
(FT)

AREA
(SQ FT)

8	9	10	11	12
67	68	70	71	72

TABLE 1 - RAILROAD SYMBOL MARKING

(See Note 2)

Center of Lane

Edge Line

Stop Line

Center or Lane Line Markings

Variable

15' - 50'
(See Note 2)

2'

2'

21'

6'

52'

16"

20'

W
(See Note 2)
(See Table 5)

TABLE 6 - SHARED LANE MARKING

(See Note 7)

40"

72"

112"

6"

6"

6"

22"

*

TABLE 7 - TYPICAL SPACING DETAIL FOR 24" DIAGONAL MARKINGS

(Chevron Markings, Including a Spacing Table, are Shown on SCD TC-72.20.)

24" Diagonal Markings

45°

12'

0' - 48'
12' c/c

49' - 96'
24' c/c

24'

48'

48'

> 96'
48' c/c

Direction of Traffic

* - Indicates Station Reference Point

NOTES:

SCHOOL Marking

- 1A. The SCHOOL markings shall be installed on all paved approaches in advance of all School Zones.

1B. The SCHOOL markings should be placed at least 100' in advance of the School Zone. The preferred placement of the SCHOOL marking is adjacent to the School Zone Advance sign.

1C. On two-way, two-lane highways the following shall apply:

1.) When the approach lane to the School Zone is 11' or more in width -

a.) The SCHOOL word marking and transverse lines shall be contained in, and centered in, the lane.

b.) The character height shall be 6' for urban areas and 8' for rural areas.

2.) When the approach lane to the School Zone is less than 11' in width -

a.) One installation of the SCHOOL word marking and transverse lines shall extend across both lanes of traffic.

b.) The characters shall be 10' in height.

1D. On multi-lane approaches the following shall apply -

1.) When the approach lanes to the School Zone are 11' or more in width -

a.) The SCHOOL word marking and transverse lines shall be contained in, and centered in, each lane.

b.) The character height shall be 6' for urban areas and 8' for rural areas.

2.) When the approach lanes to the School Zone are less than 11' in width -

a.) One installation of the SCHOOL word marking shall extend to the width of two approach lanes.

b.) Transverse lines shall extend across all approach lanes of traffic.

c.) The characters shall be 10' in height.

1E. Center or lane lines shall not pass through the SCHOOL word marking.

1F. 6' and 8' high SCHOOL word marking shall be marked with 4" strokes.

10' high SCHOOL word marking shall be marked with 8" strokes.

1G. The area of the transverse lines varies with the width of the pavement; therefore, the area must be added to the value in Table 3 (sheet 2).

Railroad Crossing Markings

2A. On multi-lane approaches, markings shall be as follows -

a.) The RXR symbol shall be placed in each approach lane.

b.) Transverse lines used with the railroad symbols shall extend across all approach lanes.

2B. The railroad symbol should be located so that the Railroad Advance Warning (W10-1) sign is within the two transverse boundary lines of the railroad symbol.

2C. The stop line shall be located for best sight distance between 15' - 50' of the near edge of the Tracks.

2D. The stop line shall be approximately 8' from a gate (if present).

2E. Width (W) of the "X" will vary according to the lane width.

2F. The height of the "R" shall be 6'.

2G. The area of the transverse lines and stop lines varies with the width of the pavement; therefore the area must be added to the value in Table 5 (sheet 2).

Stop Line Marking

3A. Except as specified in Notes 3B and 3C, the stop line should be placed as follows:

a.) The stop line should be placed where cross-corner vision is maximum.

b.) In no case shall the stop line be placed more than 30' or less than 4' from the nearest edge of the intersecting roadway.

c.) For normal intersections the maximum distance should be 10'.

3B. If a marked crosswalk is present the stop line should be placed 4' in advance of, and parallel to, the nearest crosswalk line.

3C. For signalized intersections the stop line should be placed at a minimum distance of 40' from the nearest signal head.

ONLY Word Marking

4A. The ONLY word marking is optional.

4B. Where used, the spacing between ONLY and arrow markings should be based on Table 4 (sheet 2).

4C. When lane-use arrow markings are used and the ONLY marking is not, an additional lane-use arrow should be used in its place to retain the spacing as shown in Table 4 (sheet 2).

Lane-Use Arrow Markings

5A. Lane-use arrow markings are optional except where a through traffic lane(s) approaching an intersection becomes a mandatory turn lane(s).

5B. Where used, the spacing between markings should be based on Table 4 (sheet 2). However, based on the turn lane length, the spacing between the markings may be adjusted.

Two-Way Left-Turn Only (TWLTO) Arrows

6A. Arrow sets should be longitudinally spaced at intervals of:

a.) 500' - 1000' for speeds less than or equal to 40 mph,

b.) 1000' - 1500' for speeds over 40 mph

6B. In addition, an arrow set should be placed:

a.) 100' - 200' from the near edge of an intersecting roadway, or

b.) Inside both ends of TWLTO lanes.

Shared Lane Marking

7A. When chevron markings are used, its area must be added to the value of the bike symbol markings (see Table 2 on sheet 1).

7B. When used, the shared lane marking should be placed immediately after an intersection and spaced at intervals not greater than 250' thereafter.

Lane-Reduction Arrow Markings

8A. Lane-reduction arrow markings should be placed where a lane reduction transition occurs on a roadway as follows:

a.) Lane-reduction arrow markings may be placed for speeds of less than 45 mph, if determined to be appropriate based on engineering judgement.

b.) Lane-reduction arrow markings should be placed for speeds of 45 mph or over.

c.) Lane-reduction arrow markings may be placed in long acceleration lanes.

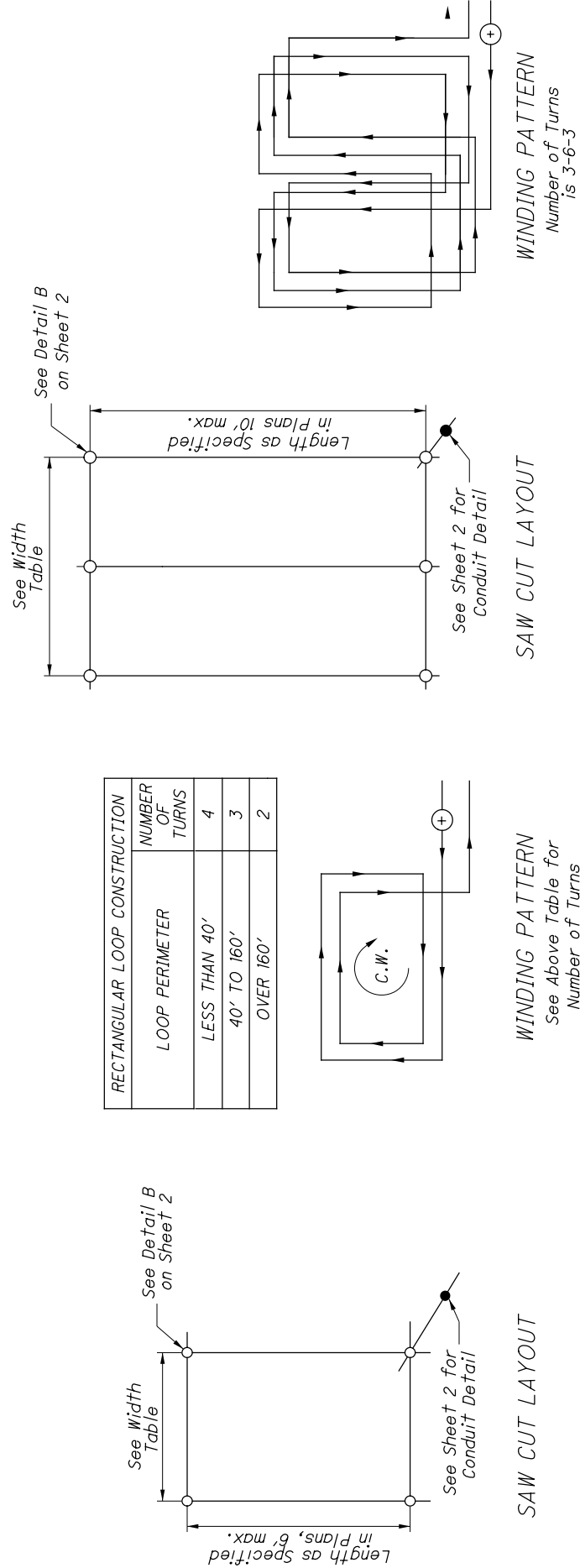
d.) Where lane-reduction arrows are used, they should be placed as follows:

i.) First lane-reduction arrow 100' in advance of the 'Begin Taper' point.

ii.) Second lane-reduction arrow placed at the 3/4d point.

3 / 3	TC-71.10	SCD NUMBER	WORD AND SYMBOL PAVEMENT MARKINGS	OFFICE OF ROADWAY ENGINEERING	P. Singh STDS- ENGINEER	David L. Holstein STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR	01-19-2018 REVISION DATE
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THIS DRAWING REPLACES TC-71.10 DATED 01-20-2017.



THIS DRAWING REPLACES MT-97.11 DATED 07-18-2014.

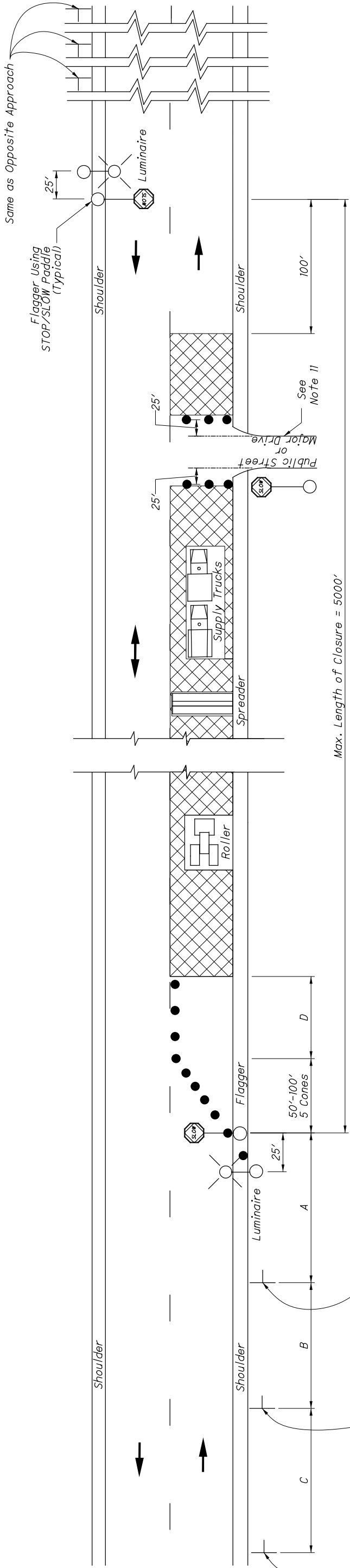


TABLE I (SIGN SPACING)

ROAD TYPE	DISTANCE BETWEEN SIGNS (FT)		
	A	B	C
Two Lane ≤ 40 MPH	100	100	100
Two Lane 45-50 MPH	350	350	350
Two Lane 55-60 MPH	500	500	500

TABLE II

SPEED LIMIT (MPH)	BUFFER (D) (FT) MIN.
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570

NOTES:

FLAGGERS

1. Flaggers, one for each direction, shall be used to control traffic continuously for as long as a one lane operation is in effect. The flaggers shall be able to communicate with each other at all times.

LENGTH OF CLOSURE

2. It is required that the length of closure be kept to a minimum at all times, as directed by the Engineer, with a maximum allowable length of 5000'.

When the ambient temperature exceeds 80 degrees Fahrenheit the Engineer may increase the maximum allowable length of closure to allow for sufficient cooling of new pavement.

The Engineer may shorten the maximum allowable length of closure to relieve excessive traffic backups or to improve traffic operation.

SIGN LOCATION AND SPACING

3A. The minimum spacing between work zone signs is shown in Table I. Maximum spacing should not be greater than 1.5 times the distances shown in Table I.

3B. Sign spacing should be adjusted to avoid conflict with existing signs. Minimum spacing to existing signs shall be 200' for speeds of 45 mph or less and a minimum of 400' for speeds of 50 mph or greater.

3C. The location of the advance warning signs should be adjusted to provide for adequate sight distance for the existing vertical and horizontal roadway alignment.

ADJUSTMENTS FOR SIGHT DISTANCE

4. The location of the flagger station and the advance warning signs should be adjusted to provide for adequate sight distance for the existing vertical and horizontal roadway alignment.

BASIC SIGNING

5A. ROAD WORK AHEAD (W20-1) signs shall be provided on entrance ramps or roadways entering the work limits.

5B. END ROAD WORK (G20-2) signs are only required for lane closures of more than 1 day. It is intended that these signs be placed on the mainline, on all exit ramps, and on roadways exiting the work limits.

5C. Overlapping of signing for adjacent projects should be avoided where the messages could be confusing. Any ROAD WORK AHEAD or END ROAD WORK sign which falls within the limits of another traffic control zone shall be omitted or covered during the period when both projects are active.

SIGNING DETAILS

6A. The Advisory Speed (W13-1P) plaque shall be used when specified in the plan.

6B. 36" warning signs may be used when the approach speed limit is 40 mph or less.

FLASHING WARNING LIGHTS

7. Type A flashing warning lights shown on the ROAD WORK AHEAD (W20-1) signs and on the LANE CLOSED AHEAD (W20-5) signs are required whenever a night lane closure is necessary.

CONES

8A. Cone spacing shall be as follows:

- a) Spacing along the buffer shall be 40' center-to-center.
- b) Spacing along the approach taper shall be 10' center-to-center.

8B. Cone sizes shall be as follows:

- a) Cones used for daytime traffic control shall have a minimum height of 28".
- b) Cones used for nighttime traffic control shall have a minimum height of 42".

8C. Provisions shall be made to stabilize the cones to prevent them from blowing over.

8D. A minimum of two cones shall be used to close the paved shoulder.

(RESERVED FOR FUTURE USE)

9A. (intentionally blank)

AREA ILLUMINATION

10A. Adequate area illumination of each flagger station shall be provided at night. Use of portable flood lighting is acceptable.

10B. To ensure the adequacy of floodlight placement and the elimination of glare, the Contractor and the Engineer shall drive through the worksite each night when the lighting is in place. Light placement and shielding shall be adjusted to the satisfaction of the Engineer.

INTERSECTION / DRIVEWAY ACCESS

11. Within the length of closure, provision shall be made to control traffic entering from intersecting streets and major drives as necessary to prevent wrong-way movements and to keep vehicles off of new pavement not ready for traffic. The Contractor shall:

- a) Place across the closed lane, either three cones or barricades, and/or
- b) Provide an additional flagger at every public street intersection and major driveway.

Cones placed across the closed lane shall be located 25' beyond the projected pavement edges of the driveway or cross highway. For barricades, see Standard Construction Drawing MT-101.60.

Existing STOP signs shall be relocated as necessary to assure proper location for the traffic conditions.

The method of control shall be subject to the approval of the Engineer.

CHIP SEAL OPERATION

12. For chip seal operations, additional signing shall be incorporated in accordance with CMS 422.03.

NOTES:

GENERAL

- 1A. In addition to CMS 614, traffic shall be maintained in accordance with the following requirements.
- 1B. The purpose of the following requirements for traffic control for pavement marking operations is to provide safety for highway users, workers and equipment and to protect the markings from damage during application.
- 1C. These requirements are the required minimums. If at any time during the application of markings it is found by the Engineer that these minimum traffic control requirements are not achieving the necessary safety and marking protection, additional traffic control shall be implemented at no additional cost.
- 1D. The Engineer may suspend work in order to relieve traffic congestion at any time.
- 1E. No work shall be done during peak hours or during any other times which could result in excessive queuing, as determined by The Engineer.
- 1F. Vehicles transporting flammable pavement marking materials (material supply vehicles) shall not be utilized for lead or Trail vehicles or for power broom equipment.
- 1G. All pavement marking application, protection and support equipment following the line marking machine shall have the traffic control equipment of a shadow vehicle.
- 1H. Line marking machines shall not be used for sign and cone placement.
- CONES AND WET PAINT - KEEP OFF SIGNS
- 2A. Cones and WET PAINT - KEEP OFF (RII-H6-24) signs shall be placed to protect the line whenever the track-free time exceeds 2 minutes.
- 2B. These devices shall not be removed until the line has dried to a track-free condition.
- 2C. Retrieval equipment shall have the traffic control equipment of a shadow vehicle.
- 2D. Cones shall have a minimum height of 28".
- 2E. Cones shall be spaced at a maximum distance of 200' to protect the wet line. In areas of traffic congestion, on curves, and at other locations where tracking of the wet line is expected, closer spacings may be required.
- 2F. The WET PAINT - KEEP OFF (RII-H6-24) signs shall be placed facing traffic as follows:

a) The beginning and end of line application,
b) All side and cross roads, and
c) Maximum intervals of one mile.
- 2G. When line markings require greater than a two minute drying time or when the actual field conditions exceed two minute drying time, the lane from which the line marking machine applies line markings shall be closed until the line has dried to a totally track-free condition.

PAVEMENT MARKING OPERATION PROCEDURES

IMMOBILE OPERATIONS

- 3A. When loading material, cleaning or performing other operations in the field, every effort shall be made to have all equipment completely off of the traveled way.
- 3B. When it becomes necessary to enter upon private property, permission shall be obtained in advance.
- 3C. When the Contractor cannot remove his equipment from the traveled way, all traffic control devices on the vehicles shall be in operation and flaggers and vehicles shall be stationed to protect the work site and the traveling public.
- 3D. Two-way traffic shall be maintained.
- 3E. Flaggers shall be equipped in accordance with CMS 614.08.

AUXILIARY MARKINGS

4. Pavement preparation and placing of auxiliary markings are considered to be stationary operations and traffic control shall be in accordance with plan details, standard construction drawings and the Ohio Manual of Uniform Traffic Control Devices (OMUTCD).

NIGHTTIME OPERATION

- 5A. Nighttime operation is defined to include the time from sunset to sunrise, and at any other time when there are unfavorable atmospheric conditions or when there is not sufficient natural light to render discernable persons, vehicles, and substantial objects on the highway at a distance of 1000'.
- 5B. During nighttime conditions the following traffic control shall be provided:

a) Cones shall be reflectorized or equipped with lighting devices for maximum visibility (see OMUTCD 6f.64), and
b) The guide and side-mounted carriages shall be illuminated.
- 5C. The presence of highway lighting does not waive these requirements.
- ARROW BOARD
- 6A. A Type B arrow board shall be from the ODOT approved list. For more information, refer to Supplemental Specification 921 "Arrow Boards."
- 6B. Arrow boards, when used on two-lane, two-way roadways shall be displayed only in the caution mode.
- 6C. When not in use, arrow boards shall be tilted horizontally or covered.
- TRUCK-MOUNTED ATTENUATOR (TMA)
- 7A. When called for in the plans the shadow vehicle(s) shall be equipped with a TMA. The TMA must bring a vehicle weighing about 1800 to 4500 pounds and traveling at 60 mph to a safe, controlled stop, per NCHRP criteria.
- 7B. A shadow vehicle with TMA should be used in accordance with manufacturer's specifications and must meet NCHRP 350 with acceptable written manufacturer certification submitted to the Engineer before the devices are used on the project.

THIS DRAWING REPLACES MT-99.20 DATED 07-21-2017.

1 / 2	SCD NUMBER	MT-99.20	STANDARD ROADWAY CONSTRUCTION DRAWING	TRAFFIC CONTROL FOR LONG LINE PAVEMENT MARKING OPERATIONS	OFFICE OF ROADWAY ENGINEERING	STDS. ENGINEER Soisson	STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR David L. Holstein	REVISION DATE 07-20-2018
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PAVEMENT MARKING VEHICLES AND EQUIPMENT

LEAD VEHICLE

- 8A. A lead vehicle shall be used to warn opposing traffic of the approach of center line and other marking equipment when this equipment extends into the adjacent opposing traffic lane.
- 8B. The lead vehicle shall precede the "left-of-center" marking equipment a distance that will provide advance safe warning to approaching traffic.
- 8C. The operator of this unit shall drive ahead of the crest of a vertical curve or around a horizontal curve and wait until the "left-of-center" marking equipment nears and then proceed, maintaining an advance location of 400' to 600'.
- 8D. A lead vehicle shall be equipped with the following traffic control devices:
- a) A high-intensity yellow rotating, flashing, oscillating, or strobe light(s), clearly visible a minimum of one quarter mile.
 - b) Lighted headlights and taillights, and
 - c) A KEEP RIGHT (W24-H4-48) sign and WET PAINT (W24-H3-48) sign mounted a minimum of 5' above the road surface measured to the bottom of the sign, and visible to opposing traffic.

POWER BROOM EQUIPMENT

9. Power broom equipment shall be equipped and operated during pavement preparations with the following traffic traffic control devices:
- a) A high-intensity yellow rotating, flashing, oscillating, or strobe light(s), clearly visible a minimum of one quarter mile.
 - b) Lighted headlights and taillights, and
 - c) A Type B arrow board, displayed to the rear, mounted a minimum of 7' above the road surface, measured to the bottom of the board.

VEHICLE FOR LAYOUT AND PREMARKING

10. The vehicle used in layout and premarking shall be equipped and operated with the following equipment:
- a) A high-intensity yellow rotating, flashing, oscillating, or strobe light(s), clearly visible a minimum of one quarter mile.
 - b) Lighted headlights and taillights, and
 - c) A KEEP RIGHT (W24-H4-48) sign mounted a minimum of 5' above the road surface measured to the bottom of the sign, and visible to opposing traffic.

LINE MARKING MACHINE

- 11A. All traffic line marking machines shall be equipped and operated with the following traffic control equipment:
- a) Three high-intensity yellow rotating, flashing, oscillating, or strobe lights, clearly visible a minimum of one quarter mile, one forward, one on the right rear and one on the left rear of the vehicle.

- b) Any one of the following two:
- i) A Type B arrow board displayed to the rear, mounted a minimum of 7' above the road surface, measured to the bottom of the board.
- or
- 2) A DO NOT PASS (R11-H7-48) sign visible to the rear during center line marking on two-lane, two-way roadways and mounted a minimum of 7' above the road surface, measured to the bottom of the sign. This sign may be used to cover the arrow board when used on two-lane, two-way roadways.
- 11B. A WET PAINT with Arrow (W24-H2a-24 or W24-H2-48) sign shall face the rear as follows:
- a) The sign shall be positioned with the arrow pointing to the wet line.
 - b) When used, a W24-H2a-24 sign shall be mounted on the side of the vehicle nearest the wet marking material.
 - c) W24-H2a-24 and W24-H2-48 signs shall be mounted a minimum of 1' above the road surface, measured to the bottom of the signs.
- 11C. A KEEP RIGHT (W24-H4-48) sign and WET PAINT (W24-H3-48) sign mounted a minimum of 5' above the road surface, measured to the bottom of the sign facing opposing traffic when this unit extends into the adjacent opposing traffic lane.
- 11D. The guide and side-mounted marking carriages shall each be equipped with a clean red flag not less than 24" square and fastened to a staff of sufficient length so as to permit the flag to move freely of any obstruction.

SHADOW VEHICLE

- 12A. When required, a shadow vehicle shall be positioned at the track-free end of the wet line.
- 12B. Shadow vehicles shall be equipped and operated with the following traffic control equipment (Also see Figure 6H-17 & 6H-35 in the OMUTCD):
- a) A high-intensity yellowrotating, flashing, oscillating, or strobe light(s), clearly visible a minimum of one quarter mile.
 - b) Any one of the following two:
 - i) A Type B arrow board, displayed to the rear, mounted a minimum of 7' above the road surface, measured to the bottom of the board.
 - or
 - 2) A DO NOT PASS (R11-H7-48) sign visible to the rear during center line marking on two-lane, two-way roadways and mounted a minimum of 7' above the road surface, measured to the bottom of the sign. This sign may be used to cover the arrow board when used on two-lane, two-way roadways.
- 12C. A WET PAINT with Arrow (W24-H2a-24 or W24-H2-48) sign shall face the rear as follows:
- a) The sign shall be positioned with the arrow pointing to the wet line.
 - b) When used, W24-H2a-24 shall be mounted on the side of the vehicle nearest the wet marking material.
 - c) W24-H2a-24 signs shall be mounted a minimum of 1' above the road surface and W24-H2-48 shall be mounted a minimum of 5' above the road surface, both measured to the bottom of the sign.

MINIMUM PAVEMENT MARKING
TRAFFIC CONTROL EQUIPMENT REQUIREMENTS

This table indicates the traffic control equipment which shall be furnished for each type of long line pavement marking operation. In addition, the type of traffic control equipment which shall be furnished when directed by the Engineer is indicated.

EQUIPMENT	PAVEMENT MARKING LINE TYPE				
	CENTER LINE		EDGE LINE		LANE LINE ② CHANNELIZING LINE ③
	LONGER THAN 2 MIN. DRY	2 MIN. OR LESS DRY	LONGER THAN 2 MIN. DRY	2 MIN. OR LESS DRY	2 MIN. OR LESS DRY
LEAD VEHICLE	A	A	C	C	C
POWER BROOM EQUIPMENT	B	B	A	A	B
LINE MARKING MACHINE	A	A	A	A	A
SHADOW VEHICLE	D	A	D	A	LANE CLOSURE REQUIRED (DAYTIME: 28" MIN HEIGHT CONES REQ'D; NIGHTIME (MULTI-LANE HIGHWAYS): 42" MIN. HEIGHT CONES REQUIRED IN TANGENT WITH DRUMS REQUIRED IN TAPER)
SHADOW VEHICLE (ADDITIONAL)	C	B	C	B	
SHADOW VEHICLE (SIGN AND CONE RETRIEVAL)	A	C	A	C	
SHADOW VEHICLE (SHADOW FOR RETRIEVAL)	A	C	A	C	C

- ① For equipment requirements for auxiliary marking operations see the plans and OMUTCD Part 6.
- ② Includes both dashed and solid lane lines.
- ③ Channelizing line segments of 200' or less shall be considered auxiliary markings, except when applied as components of gore markings sprayed in moving operations separate from the application of transverse lines.

A
B
C
D

- Required equipment
- Equipment required when directed by the engineer
- Not required
- Required equipment for sign and cone placement

STATE WAGE RATES

(2019)
Updated 1/14/19

Prevailing Wage Determination Cover Letter

County:

GEAUGA

Determination Date: 01-14-19

Expiration Date: 04-14-19

THE FOLLOWING PAGES ARE PREVAILING RATES OF WAGES ON PUBLIC IMPROVEMENTS FAIRLY ESTIMATED TO BE MORE THAN THE AMOUNT IN O.R.C. SEC. 4115.03 (b) (1) or (2), AS APPLICABLE.

Section 4115.05 provides, in part: "Where contracts are not awarded or construction undertaken within ninety days from the date of the establishment of the prevailing wages, there shall be a redetermination of the prevailing rate of wages before the contract is awarded." The expiration date of this wage schedule is listed above for your convenience only. This wage determination is not intended as a blanket determination to be used for all projects during this period without prior approval of this Department.

Section 4115.04, Ohio Revised Code provides, in part: "Such schedule of wages shall be attached to and made a part of the specifications for the work, and shall be printed on the bidding blanks where the work is done by contract..."

The contract between the letting authority and the successful bidder shall contain a statement requiring that mechanics and laborers be paid a prevailing rate of wage as required in Section 4115.06, Ohio Revised Code. The contractor or subcontractor is required to file with the contracting public authority upon completion of the project and prior to final payment therefore an affidavit stating that he has fully complied with Chapter 4115 of the Ohio Revised Code.

The wage rates contained in this schedule are the "Prevailing Wages" as defined by Section 4115.03, Ohio Revised Code (the basic hourly rates plus certain fringe benefits). These rates and fringes shall be a minimum to be paid under a contract regulated by Chapter 4115 of the Ohio Revised Code by contractors and subcontractors. The prevailing wage rates contained in this schedule include the effective dates and wage rates currently on file. In cases where future effective dates are not included in this schedule, modifications to the wage schedule will be furnished to the Prevailing Wage Coordinator appointed by the public authority as soon as prevailing wage rates increases are received by this office.

"There shall be posted in a prominent and accessible place on the site of work a legible statement of the Schedule of Wage Rates specified in the contract to the various classifications of laborers, workmen, and mechanics employed, said statement to remain posted during the life of such contract." Section 4115.07, Ohio Revised Code.

Apprentices will be permitted to work only under a bona fide apprenticeship program if such program exists and if such program is registered with the Ohio Apprenticeship Council.

Section 4115.071 provides that no later than ten days before the first payment of wages is due to any employee of any contractor or subcontractor working on a contract regulated by Chapter 4115, Ohio Revised Code, the contracting public authority shall appoint one of his own employees to act as the prevailing wage coordinator for said contract. The duties of the prevailing wage coordinator are outlined in Section 4115.071 of the Ohio Revised Code.

Section 4115.05 provides for an escalator in the prevailing wage rate. Each time a new rate is established, that rate is required to be paid on all ongoing public improvement projects.

A further requirement of Section 4115.05 of the Ohio Revised Code is: "On the occasion of the first pay date under a contract, the contractor shall furnish each employee not covered by a collective bargaining agreement or understanding between employers and bona fide organizations of Labor with individual written notification of the job classification to which the employee is assigned, the prevailing wage determined to be applicable to that classification, separated into the hourly rate of pay and the fringe payments, and the identity of the prevailing wage Coordinator appointed by the public authority. The contractor or subcontractor shall furnish the same notification to each affected employee every time the job classification of the employee is changed."

Work performed in connection with the installation of modular furniture may be subject to prevailing wage.

THIS PACKET IS NOT TO BE SEPARATED BUT IS TO REMAIN COMPLETE AS IT IS SUBMITTED TO YOU. (Reference guidelines and forms are included in this packet to be helpful in the compliance of the Prevailing Wage law.)

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 16

Change # : LCN01-2018fbLoc16

Craft : Bricklayer Effective Date : 05/01/2018 Last Posted : 05/01/2018

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer	\$34.03		\$8.20	\$7.17	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.10	\$67.12
Cement Masons	\$34.03		\$8.20	\$7.17	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.10	\$67.12
Pointer Caulker Cleaner	\$34.03		\$8.20	\$7.17	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.10	\$67.12
Plasterers	\$34.03		\$8.20	\$7.17	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.10	\$67.12
Mason Trainees												
1-90 Days	\$15.31		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.31	\$22.96
91-365 Days	\$15.31		\$8.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.51	\$31.16
366 plus days	\$17.02		\$8.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.22	\$33.73
Apprentice	Percent											
1st 6 months	45.00	\$15.31	\$8.20	\$2.02	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.23	\$33.89
2nd 6 months	51.00	\$17.36	\$8.20	\$2.02	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.28	\$36.95
3rd 6 months	58.00	\$19.74	\$8.20	\$2.02	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.66	\$40.53
4th 6 months	66.00	\$22.46	\$8.20	\$2.02	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.38	\$44.61
5th 6 months	75.00	\$25.52	\$8.20	\$2.02	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.44	\$49.20
6th 6 months	85.00	\$28.93	\$8.20	\$2.02	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.85	\$54.31
7th 6 months	90.00	\$30.63	\$8.20	\$2.02	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.55	\$56.86
8th 6 months	95.00	\$32.33	\$8.20	\$2.02	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.25	\$59.41

Special Calculation Note : Improver Classification is 50% to 80% of the journeyman rate with full fringes except pension is at (\$1.00)Until such time as the joint apprentice board determines he is a qualified Journeyman, this should not exceed the Apprentice training period. Improvers may not constitute more than 20% of the work force

Ratio :

1-3 Journeymen to 1 Apprentice 1 Trainee
4-6 Journeymen to 2 Apprentice 1 Trainee
6-9 Journeymen to 3 Apprentice 2 Trainee
10-12 Journeymen to 4 Apprentice 2 Trainee

Special Jurisdictional Note :

Jurisdiction (* denotes special

jurisdictional note) : ASHTABULA,
GEAUGA, LAKE

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Commercial NE Zone 3

Change # : LCN01-2018fbLocNEZone3

Craft : Carpenter Effective Date : 09/19/2018

Last Posted : 09/19/2018

	BHR	Fringe Benefit Payments							Irrevocable Fund	Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Carpenter	\$32.48	\$6.83	\$8.58	\$0.45	\$0.00	\$2.41	\$0.00	\$0.00	\$0.00	\$50.75	\$66.99
Apprentice	Percent										
1st 3 months	60.00	\$19.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.49	\$29.23
2nd 3 months	60.00	\$19.49	\$6.83	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$26.77	\$36.51
2nd 6 months	60.00	\$19.49	\$6.83	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$26.77	\$36.51
3rd 6 months	60.00	\$19.49	\$6.83	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$26.77	\$36.51
4th 6 months	60.00	\$19.49	\$6.83	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$26.77	\$36.51
5th 6 months	70.00	\$22.74	\$6.83	\$6.01	\$0.45	\$0.00	\$1.69	\$0.00	\$0.00	\$37.72	\$49.08
6th 6 months	75.00	\$24.36	\$6.83	\$6.44	\$0.45	\$0.00	\$1.81	\$0.00	\$0.00	\$39.89	\$52.07
7th 6 months	80.00	\$25.98	\$6.83	\$6.86	\$0.45	\$0.00	\$1.93	\$0.00	\$0.00	\$42.05	\$55.05
8th 6 months	85.00	\$27.61	\$6.83	\$7.29	\$0.45	\$0.00	\$2.05	\$0.00	\$0.00	\$44.23	\$58.03

Special Calculation Note :

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE

Special Jurisdictional Note : Details :

Prevailing Wage Rate

Skilled Crafts

Name of Union: Carpenter Pile Driver NE District P1

Change # : LCN01-2018fbLocNEZoneP1

Craft : Carpenter Effective Date : 09/19/2018 Last Posted : 09/19/2018

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Carpenter Pile Driver	\$30.71	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$0.00	\$50.75	\$66.10
Diver	\$46.07	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$0.00	\$66.11	\$89.15
Certified Welder	\$31.76	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$0.00	\$51.80	\$67.68
Apprentice	Percent										
1st 6 months	60.00	\$18.43	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$38.47	\$47.68
2nd 6 months	60.00	\$18.43	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$38.47	\$47.68
3rd 6 months	62.00	\$19.04	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$39.08	\$48.60
4th 6 months	65.50	\$20.12	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$40.16	\$50.21
5th 6 months	69.00	\$21.19	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$41.23	\$51.82
6th 6 months	72.50	\$22.26	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$42.30	\$53.44
7th 6 months	76.00	\$23.34	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$43.38	\$55.05
8th 6 months	80.00	\$24.57	\$6.58	\$8.93	\$0.45	\$0.00	\$4.08	\$0.00	\$0.00	\$44.61	\$56.89

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio : 2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Special Jurisdictional Note :

ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND, SUMMIT

Details

Pile Drivers duties shall include but not limited to: Pile driving, milling, fashioning, joining assembling, erecting, fastening, or dismantling of all material of wood, plastic, metal, fiber, cork and composition and all other substitute materials: pile driving, cutting, fitting and placing of lagging, and the handling, cleaning, erecting, installing and dismantling of machinery, equipment and erecting pre-engineered metal buildings. Pile Drivers work but not limited to: unloading, assembling, erection, repairs, operation, signaling, dismantling and reloading all equipment that

is used for pile driving including pile butts is defined as sheet piling or scrap piling. Underwater work that may be required in connection with the installation of piling. The driver and his tender work as a team and shall arrive at their own financial arrangements with the contractor. Any configuration of wood, steel, concrete or composite that is jetted, driven or vibrated onto the ground by conventional pile driving equipment for the purpose of supporting a future load that may be permanent or temporary. The construction of all wharves and docks, including the fabrication and installation of floating docks. Driving bracing, plumbing, cutting off and capping of all piling whether wood, metal, pipe piling or composite, loading, unloading, erecting, framing, dismantling, moving and handling of pile driving equipment piling used in the construction and repair of all wharves, docks, piers, trestles, caissons, cofferdams and erection of all sea walls and breakwaters. All underwater and marine work on bulkheads, wharves, docks, shipyards, caissons, piers, bridges, pipeline, work, viaducts, marine cable and trestles, as well as salvage and reclamation work where divers are employed. Rate shall include carpenters, acoustic and ceiling installers, drywall installers, pile drivers and floorlayers.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Local 404

Change # : LCN01-2018fbLoc404

Craft : Cement Mason Effective Date : 06/20/2018 Last Posted : 06/20/2018

	BHR	Fringe Benefit Payments							Irrevocable Fund	Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Cement Mason	\$31.50	\$8.25	\$6.00	\$0.47	\$0.00	\$4.60	\$0.18	\$0.00	\$0.00	\$51.00	\$66.75
Apprentice	Percent										
1st yr	57.30 \$18.05	\$8.25	\$6.00	\$0.47	\$0.00	\$2.30	\$0.18	\$0.00	\$0.00	\$35.25	\$44.27
2nd yr	72.31 \$22.78	\$8.25	\$6.00	\$0.47	\$0.00	\$2.30	\$0.18	\$0.00	\$0.00	\$39.98	\$51.37
3rd yr	82.33 \$25.93	\$8.25	\$6.00	\$0.47	\$0.00	\$2.30	\$0.18	\$0.00	\$0.00	\$43.13	\$56.10

Special Calculation Note : Other is Training Program

Ratio :

5 Journeymen to 1 Apprentice
2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA,
LAKE, LORAIN

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 38

Change # : LCN01-2018fbLoc38

Craft : Electrical Effective Date : 05/25/2018 Last Posted : 05/25/2018

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrician	\$38.13		\$9.05	\$10.05	\$0.42	\$0.00	\$0.00	\$1.14	\$0.00	\$0.00	\$58.79	\$77.85
Apprentice	Percent											
1st year 1st 6 Months	35.00	\$13.35	\$9.05	\$0.00	\$0.42	\$0.00	\$0.00	\$0.40	\$0.00	\$0.00	\$23.22	\$29.89
1st year 2nd 6 Months	40.00	\$15.25	\$9.05	\$0.00	\$0.42	\$0.00	\$0.00	\$0.46	\$0.00	\$0.00	\$25.18	\$32.81
2nd year 3rd 6 Months	45.00	\$17.16	\$9.05	\$6.53	\$0.42	\$0.00	\$0.00	\$0.51	\$0.00	\$0.00	\$33.67	\$42.25
2nd year 4th 6 Months	50.00	\$19.07	\$9.05	\$6.53	\$0.42	\$0.00	\$0.00	\$0.57	\$0.00	\$0.00	\$35.64	\$45.17
3rd year 5th 6 Months	55.00	\$20.97	\$9.05	\$6.53	\$0.42	\$0.00	\$0.00	\$0.63	\$0.00	\$0.00	\$37.60	\$48.09
3rd year 6th 6 Months	60.00	\$22.88	\$9.05	\$6.53	\$0.42	\$0.00	\$0.00	\$0.69	\$0.00	\$0.00	\$39.57	\$51.01
4th year 7th 6 Months	65.00	\$24.78	\$9.05	\$6.53	\$0.42	\$0.00	\$0.00	\$0.74	\$0.00	\$0.00	\$41.52	\$53.92
4th year 8th 6 Months	70.00	\$26.69	\$9.05	\$6.53	\$0.42	\$0.00	\$0.00	\$0.80	\$0.00	\$0.00	\$43.49	\$56.84
4th year 9th 6 Months	75.00	\$28.60	\$9.05	\$6.53	\$0.42	\$0.00	\$0.00	\$0.86	\$0.00	\$0.00	\$45.46	\$59.76
5th year 10th 6 Months	80.00	\$30.50	\$9.05	\$6.53	\$0.42	\$0.00	\$0.00	\$0.92	\$0.00	\$0.00	\$47.42	\$62.68

Special Calculation Note : OTHER:
National Electrical Benefit Fund (NEBF).

Ratio :

1 to 3 Journeyman to 2 Apprentice
4 to 6 Journeymen to 4 Apprentice
7 to 9 Journeymen to 6 Apprentice
and continue as above per job site

Special Jurisdictional Note : In Geauga County the following townships are included:
(Bainbridge, Chester and Russell).

Jurisdiction (* denotes special jurisdictional note) :

CUYAHOGA, GEAUGA*, LORAIN*

Prevailing Wage Rate

Skilled Crafts

Name of Union: Electrical Local 71 Outside Utility Power

Change # : LCN01-2018fbLoc7

Craft : Lineman **Effective Date :** 03/28/2018 **Last Posted :** 03/28/2018

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lineman	\$40.12	\$5.75	\$1.20	\$0.40	\$0.00	\$8.83	\$0.35	\$0.00	\$0.00	\$56.65	\$76.71
Substation Technician	\$40.12	\$5.75	\$1.20	\$0.40	\$0.00	\$8.83	\$0.35	\$0.00	\$0.00	\$56.65	\$76.71
Cable Splicer	\$41.99	\$5.75	\$1.26	\$0.42	\$0.00	\$9.24	\$0.35	\$0.00	\$0.00	\$59.01	\$80.00
Operator A	\$36.01	\$5.75	\$1.08	\$0.36	\$0.00	\$7.92	\$0.35	\$0.00	\$0.00	\$51.47	\$69.47
Operator B	\$31.90	\$5.75	\$0.96	\$0.32	\$0.00	\$7.02	\$0.35	\$0.00	\$0.00	\$46.30	\$62.25
Operator C	\$25.73	\$5.75	\$0.77	\$0.26	\$0.00	\$5.66	\$0.35	\$0.00	\$0.00	\$38.52	\$51.39
Groundman 0-12 months Exp	\$20.06	\$5.75	\$0.60	\$0.20	\$0.00	\$4.41	\$0.35	\$0.00	\$0.00	\$31.37	\$41.40
Groundman 0-12 months Exp w/CDL	\$22.07	\$5.75	\$0.66	\$0.22	\$0.00	\$4.86	\$0.35	\$0.00	\$0.00	\$33.91	\$44.95
Groundman 1 yr or more	\$22.07	\$5.75	\$0.66	\$0.22	\$0.00	\$4.86	\$0.35	\$0.00	\$0.00	\$33.91	\$44.95
Groundman 1 yr or more w/CDL	\$26.08	\$5.75	\$0.78	\$0.26	\$0.00	\$5.74	\$0.35	\$0.00	\$0.00	\$38.96	\$52.00
Equipment Mechanic A	\$31.90	\$5.75	\$0.96	\$0.32	\$0.00	\$7.02	\$0.35	\$0.00	\$0.00	\$46.30	\$62.25
Equipment Mechanic B	\$28.83	\$5.75	\$0.86	\$0.29	\$0.00	\$6.34	\$0.35	\$0.00	\$0.00	\$42.42	\$56.84
Equipment Mechanic C	\$25.73	\$5.75	\$0.77	\$0.26	\$0.00	\$5.66	\$0.35	\$0.00	\$0.00	\$38.52	\$51.39
Line Truck w/uuger	\$28.39	\$5.75	\$0.85	\$0.28	\$0.00	\$6.25	\$0.35	\$0.00	\$0.00	\$41.87	\$56.07
Apprentice	Percent										
1st 1000 hrs	60.00	\$24.07	\$5.75	\$0.72	\$0.24	\$5.30	\$0.35	\$0.00	\$0.00	\$36.43	\$48.47
2nd 1000 hrs	65.00	\$26.08	\$5.75	\$0.78	\$0.26	\$5.74	\$0.35	\$0.00	\$0.00	\$38.96	\$52.00
3rd 1000 hrs	70.00	\$28.08	\$5.75	\$0.84	\$0.28	\$6.18	\$0.35	\$0.00	\$0.00	\$41.48	\$55.53
4th 1000 hrs	75.00	\$30.09	\$5.75	\$0.90	\$0.30	\$6.62	\$0.35	\$0.00	\$0.00	\$44.01	\$59.05

5th 1000 hrs	80.00	\$32.10	\$5.75	\$0.96	\$0.32	\$0.00	\$7.06	\$0.35	\$0.00	\$0.00	\$46.54	\$62.58
6th 1000 hrs	85.00	\$34.10	\$5.75	\$1.02	\$0.34	\$0.00	\$7.50	\$0.35	\$0.00	\$0.00	\$49.06	\$66.11
7th 1000 hrs	90.00	\$36.11	\$5.75	\$1.08	\$0.36	\$0.00	\$7.94	\$0.35	\$0.00	\$0.00	\$51.59	\$69.64

Special Calculation Note :

Operator "A"

John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater than 25 tons and less than 45 tons).

Operator "B"

Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger- wheeled or tracked, all Tension wire Stringing equipment.

Operator "C"

Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note : 0.30 is for Health Retirement Account.

Details :

Heli - Arc Welding will be paid \$.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 17

Change # : LCN01-2017Loc17

Craft : Ironworker Effective Date : 05/24/2017 Last Posted : 05/24/2017

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Ironworker	\$31.30		\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$54.80	\$70.45
Apprentice	Percent											
1st 6 Months	50.00	\$15.65	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$39.15	\$46.97
2nd 6 Months	55.00	\$17.22	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$40.72	\$49.32
2nd Year 1st 6 Months	70.00	\$21.91	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$45.41	\$56.37
2nd Year 2nd 6 Months	75.00	\$23.48	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$46.97	\$58.71
3rd Year 1st 6 Months	80.00	\$25.04	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$48.54	\$61.06
3rd Year 2nd 6 Months	85.00	\$26.60	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$50.10	\$63.41
4th Year 1st 6 Months	90.00	\$28.17	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$51.67	\$65.76
4th Year 2nd 6 Months	95.00	\$29.73	\$7.20	\$10.00	\$0.50	\$2.00	\$3.80	\$0.00	\$0.00	\$0.00	\$53.24	\$68.10

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

4 Journeymen to 1 Apprentice on Structural Work
3 Journeymen to 1 Apprentice on Rod Work
2 Journeymen to 1 Apprentice on ALL Finishing, Steel Sash, Stairway and Ornamental Work

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, ERIE,
GEAUGA, HURON, LAKE, LORAIN,
MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note : West Boundary Line :Sandusky, Ohio: Boundary lines between Local 17 & Local 55 are as follows: Columbus Ave north to Sandusky Bay (and/or Lake Erie): Columbus Ave South to present Route 4: Route 4 South to present Route 99: from Route 99 south to old Route 224-all territory to the west of the boundary line to be the jurisdiction of Local 55.All territory to the East of the boundary line to be the jurisdiction of Local 17.Kelly's Island to be within jurisdiction of Local 17.All bridges,tunnels,viaducts,etc, relative to these boundary lines shall be the jurisdiction of Local 17

South Boundary Line:Canton, Ohio: Boundary lines between Local 17 & Local 550 are as follows: All territory north of old Route 224 line to be the jurisdiction of Local 17. All bridges,tunnels,viaducts,signs,etc, relative to old Route 224 line to be within the jurisdiction of Local 17. All territory south of old Route 224 line is to be within the jurisdiction of Local 550, except for everything within the city limits of Barberton which shall be the jurisdiction of Local 17.

Reading from West to East: Route old 224 line: Greenwich Ave-Wooster Road or East Ave. Route old 224 line: New 224 line including Cloverleaf: East Waterloo Road: New 224 line-Attwood Road-Old 224. This will be considered to be the old Route 224 line,except for the city limits of Barberton, Ohio which shall be the jurisdiction of Local 17

Southeast Boundary : Between local 17 and Local 207 are as follows: West of a line from Middlefield to Shalersville to Deerfield, shall be under the jurisdiction of local 17. East of a line from Middlefield, to Shalersville to Deerfield, shall be under the jurisdiction of Local 207.

Local 17 & Local 207 have agreed that the Ohio County of Ashtabula shall be as follows: Everything North of Route 6, starting at the Geauga County line, proceeding east to State Route 45, shall be under the jurisdiction of Local 17. Everything South, starting at the Geauga County line shall be under local 207.

North Boundary: The East boundary line and the West boundary line continuing North halfway across Lake Erie.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Labor HevHwy 1B

Change # : LCN01-2018fbLocalHevHwy1B

Craft : Laborer Group 1 Effective Date : 05/01/2018 Last Posted : 04/11/2018

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Laborer Group 1	\$32.28		\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.33	\$59.47
Group 2	\$32.45		\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.50	\$59.73
Group 3	\$32.78		\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.83	\$60.22
Group 4	\$33.23		\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.28	\$60.90
Watch Person	\$23.35		\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$34.40	\$46.08
Apprentice	Percent											
0-1000 hrs	60.00	\$19.37	\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$30.42	\$40.10
1001-2000 hrs	70.00	\$22.60	\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$33.65	\$44.94
2001-3000 hrs	80.00	\$25.82	\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$36.87	\$49.79
3001-4000 hrs	90.00	\$29.05	\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$40.10	\$54.63
More than 4000 hrs	100.00	\$32.28	\$6.90	\$3.60	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.33	\$59.47

Special Calculation Note : Watchman have no Apprentices. Tunnel Laborer rate with air-pressurized add \$1.00 to the above wage rate

Ratio :

1 Journeymen to 1 Apprentice
3 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

CUYAHOGA, GEAUGA

Special Jurisdictional Note : Hod Carriers and Common Laborers - Heavy, Highway, Sewer, Waterworks, Utility, Airport, Railroad, Industrial and Building Site

Details :

Group 1

Laborer (Construction); Plant Laborer or Yardman, Right-of-way Laborer, Landscape Laborer, Highway Lighting Worker, Signalization Worker, (Swimming) Pool Construction Laborer,

Utility Man, *Bridge Man, Handyman, Joint Setter, Flagperson, Carpenter Helper, Waterproofing Laborer, Slurry Seal, Seal Coating, Surface Treatment or Road Mix Laborer, Riprap Laborer & Grouter, Asphalt Laborer, Dump Man (batch trucks), Guardrail & Fence Installer, Mesh Handler & Placer, Concrete Curing Applicator, Scaffold Erector, Sign Installer, Hazardous Waste (level D), Diver Helper, Zone Person and Traffic Control.

*Bridge Man will perform work as per the October 31, 1949, memorandum on concrete forms, by and between the United Brotherhood of Carpenters and Joiners of America and the Laborers' International Union of North America, which states in; "the moving, cleaning, oiling and carrying to the next point of erection, and the stripping of forms which are not to be re-used, and forms on all flat arch work shall be done by members of the Laborers' International Union of North America."

Group 2

Asphalt Raker, Screwman or Paver, Concrete Puddler, Kettle Man (pipeline), All Machine-Driven Tools (Gas, Electric, Air), Mason Tender, Brick Paver, Mortar Mixer, Skid Steer, Sheeting & Shoring Person, Surface Grinder Person, Screedperson, Water Blast, Hand Held Wand, Power Buggy or Power Wheelbarrow, Paint Striper, Plastic fusing Machine Operator, Rodding Machine Operator, Pug Mill Operator, Operator of All Vacuum Devices Wet or Dry, Handling of all Pumps 4 inches and under (gas, air or electric), Diver, Form Setter, Bottom Person, Welder Helper (pipeline), Concrete Saw Person, Cutting with Burning Torch, Pipe Layer, Hand Spiker (railroad), Underground Person (working in sewer and waterline, cleaning, repairing and reconditioning). Tunnel Laborer (without air), Caisson, Cofferdam (below 25 feet deep), Air Track and Wagon Drill, Sandblaster Nozzle Person, Hazardous Waste (level B), ***Lead Abatement, Hazardous Waste (level C)

***Includes the erecting of structures for the removal, including the encapsulation and containment of Lead abatement process.

Group 3

Blast and Powder Person, Muckers will be defined as shovel men working directly with the miners, Wrencher (mechanical joints & utility pipeline), Yarnier, Top Lander, Hazardous Waste (level A), Concrete Specialist, Curb Setter and Cutter, Grade Checker, Concrete Crew in Tunnels. Utility pipeline Tappers, Waterline, Caulker, Signal Person will receive the rate equal to the rate paid the Laborer classification for which the Laborer is signaling.

Group 4

Miner, Welder, Guniting Nozzle Person

A.) The Watchperson shall be responsible to patrol and maintain a safe traffic zone including but not limited to barrels, cones, signs, arrow boards, message boards etc.
The responsibility of a watchperson is to see that the equipment, job and office trailer etc. are secure.

Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - HevHwy I

Change # : LCN01-2018fbLoc18hevhwyl

Craft : Operating Engineer Effective Date : 07/05/2018

Last Posted : 07/05/2018

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Operator Class 1	\$37.38	\$8.26	\$6.00	\$0.80	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$52.53	\$71.22
Class 2	\$37.28	\$8.26	\$6.00	\$0.80	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$52.43	\$71.07
Class 3	\$36.24	\$8.26	\$6.00	\$0.80	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$51.39	\$69.51
Class 4	\$35.02	\$8.26	\$6.00	\$0.80	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$50.17	\$67.68
Class 5	\$29.73	\$8.26	\$6.00	\$0.80	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$44.88	\$59.75
Class 6	\$37.63	\$8.26	\$6.00	\$0.80	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$52.78	\$71.60
Apprentice	Percent										
1st Year	50.00	\$18.69	\$8.26	\$6.00	\$0.80	\$0.00	\$0.09	\$0.00	\$0.00	\$33.84	\$43.19
2nd Year	60.00	\$22.43	\$8.26	\$6.00	\$0.80	\$0.00	\$0.09	\$0.00	\$0.00	\$37.58	\$48.79
3rd Year	70.00	\$26.17	\$8.26	\$6.00	\$0.80	\$0.00	\$0.09	\$0.00	\$0.00	\$41.32	\$54.40
4th Year	80.00	\$29.90	\$8.26	\$6.00	\$0.80	\$0.00	\$0.09	\$0.00	\$0.00	\$45.05	\$60.01
Field Mech Trainee											
1st year	49.87	\$18.64	\$8.26	\$6.00	\$0.80	\$0.00	\$0.09	\$0.00	\$0.00	\$33.79	\$43.11
2nd year	59.85	\$22.37	\$8.26	\$6.00	\$0.80	\$0.00	\$0.09	\$0.00	\$0.00	\$37.52	\$48.71
3rd year	69.82	\$26.10	\$8.26	\$6.00	\$0.80	\$0.00	\$0.09	\$0.00	\$0.00	\$41.25	\$54.30
4th year	79.78	\$29.82	\$8.26	\$6.00	\$0.80	\$0.00	\$0.09	\$0.00	\$0.00	\$44.97	\$59.88

Special Calculation Note : Other: Education & Safety Fund is \$0.09 per hour.

Ratio :

For every (3) Operating Engineer Journeymen employed by the company, there may be employed (1) Registered Apprentice or Trainee Engineer through the referral when they are available. An apprentice, while employed as part of a crew per Article VIII paragraph 65, will not be subject the apprenticeship ratios in this collective bargaining agreement.

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

****Apprentices will receive a 10% increase on top of the percentages listed above provided they are operating mobile equipment. Mechanic Trainees will receive 10% if required to have a CDL.**

Class 1 - Air Compressors on Steel Erection; Asphalt Plant Engineers (Cleveland District Only); Barrier Moving Machine; Boiler Operators, Compressor Operators, or Generators, when mounted on a rig: Boom Trucks (all types); Cableways; Cherry Pickers; Combination- Concrete mixers & Towers; Concrete Pumps; Concrete Plants (over 4 yd capacity); Cranes (all types); Derricks (all types); Draglines; Elevating Graders or Euclid Loaders; Gradalls; Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines; Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting system); Locomotives (standard guage); Maintenance Operators (class A); Mixers, paving (single or double drum); Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Rotary Drills, on caisson work; Side Booms; Slip Form Pavers; Tower Dericks; Trench Machines; Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators;Industrial-type tractors; Jet Engine - Dryer (D8 or D9) Diesel Tractors Mucking Machines; Multiple Scrapers; Tree Shreddes. Rough Terrain Fork-lift with Winch/Hoist; Compact Cranes,track or rubber over 4,000 pound capacity, self-erecting cranes:stationary,track or truck (all configurations) bucket trench machines (over 24 inches wide).

Class 2 - Asphalt Pavers; Automatic Subgrade Machines, self-propelled (CMI-type); Bobcat-type and /or skid steer loader with hoe attachment greater than 7000 lbs.; Boring Machine Operators (more than 48 inches); Bulldozers; ;Endloaders; Hydro Milling Machine; Kolman-type Loaders (production type-dirt); Lead Greasemen; Maintenance Operators, Class B (Portage and Summit Counties only); Pettibone-Rail Equipment; Power Graders; Power Scrapers; Push Cats; Lighting and Traffic Signal Installation Equipment includes all groups or classifications; Trench Machines (24inch wide and under); Vermeer Type Concrete saw. Material Transfer Equipment (Shuttle buggy) Asphalt All rotomills, grinders and planers of all types. Horizontal Directional Drill (Over 50,000 ft.lbs.thrust and over).

Class 3 - A-Frames; Air Compressors, on tunnel work (low Pressure); All Asphalt Rollers; Asphalt Plant Engineers (Portage and Summit Counties only); Bobcat-type and/or skid steer loader with or without attachments; Power Boilers (15 lbs pressure and over); Highway Drills (all types); Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Insertor/Remover; Rotovator (lime-soil Stabilzer); Switch & Tie Tampers (without lifting and aligning device); Locomotives (narrow gage); Mixers, concrete (more than one bag capacity); Mixers, one bag capacity (side loader); Utilities Operators, (small equipment); Welding Machines and Generators; Material hoist/elevators. Articulating/straight bed end dumps if assigned (minus \$4.00 per hour)

Class 4 - Ballast Re-loacator; Backfillers and Tampers; Batch Plant Operators; Bar and Joint Installing Machines; Boring Machine Operators (48 inch or less); Bull Floats; Burlap and Curing Machines; Concrete Plants (capacity 4 yd and under); Conveyors (highway); Concrete Saws (multiple); Crushers; Deckhands; Farm type tractors, with attachments (highway); Finishing Machines; Hydro Hammers; Hydro Seeders; Pavement Breakers (hydraulic or cable); Plant Mixers; Post Drivers; Post Hole Diggers; Power Brush Burners; Power Form Handling Equipment; Firemen, Floating Equipment (all types); Fork Lifts (highway), except masonry; Form Trenchers; Road Widening Trenchers; Rollers (brick, grade, macadam); Self-Propelled Power Spreaders; Self-Propelled Sub-Graders; Tractors, pulling sheepfoot rollers or graders; Steam Firemen; Vibratory Compactors, with integral power.

Class 5 - Compressors (portable, Sewer, Heavy and Highway); Generators; Inboard-Outboard Motor Boat Launches; Masonry Fork Lifts; Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalmen; Drum Fireman (in Asphalt Plant); Oil Heaters (Asphalt Plant); Tire Repairmen; VAC/ALLS; Fueling and greasing (plus \$3.00), compact cranes; track or rubber under 4,000 pounds.

Class 6 - Master Mechanic

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 707

Change # : LCN02-2018fbLoc707

Craft : Painter Effective Date : 05/25/2018 Last Posted : 05/25/2018

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Brush Roll	\$27.90		\$6.67	\$4.94	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$44.06	\$58.01
Paperhanger	\$27.90		\$6.67	\$4.94	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$44.06	\$58.01
Sandblasting & Buffing	\$28.30		\$6.67	\$4.94	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$44.46	\$58.61
Spray Painting	\$28.60		\$6.67	\$4.94	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$44.76	\$59.06
REPAINT Brush Roll & Paperhanger	\$26.40		\$6.67	\$4.94	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$42.56	\$55.76
REPAINT Sandblasting & Buffing	\$26.80		\$6.67	\$4.94	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$42.96	\$56.36
REPAINT Spray Painting	\$27.10		\$6.67	\$4.94	\$0.40	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$43.26	\$56.81
Apprentice - Painter	Percent											
1st 6 months	45.00	\$12.56	\$6.67	\$1.45	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.07	\$27.35
2nd 6 months	50.00	\$13.95	\$6.67	\$1.50	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.52	\$29.49
3rd 6 months	55.00	\$15.35	\$6.67	\$1.99	\$0.40	\$0.00	\$2.28	\$0.00	\$0.00	\$0.00	\$26.68	\$34.36
4th 6 months	60.00	\$16.74	\$6.67	\$2.03	\$0.40	\$0.00	\$2.49	\$0.00	\$0.00	\$0.00	\$28.33	\$36.70
5th 6 months	65.00	\$18.13	\$6.67	\$2.38	\$0.40	\$0.00	\$2.70	\$0.00	\$0.00	\$0.00	\$30.28	\$39.35
6th 6 months	70.00	\$19.53	\$6.67	\$2.42	\$0.40	\$0.00	\$2.91	\$0.00	\$0.00	\$0.00	\$31.93	\$41.69
7th 6 months	75.00	\$20.92	\$6.67	\$3.17	\$0.40	\$0.00	\$3.11	\$0.00	\$0.00	\$0.00	\$34.28	\$44.74
8th 6 months	80.00	\$22.32	\$6.67	\$3.21	\$0.40	\$0.00	\$3.32	\$0.00	\$0.00	\$0.00	\$35.92	\$47.08

Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio : 1 Apprentice to 1 Journeyman

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA,
LAKE, LORAIN, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Portage & Summit North of the East-West Turnpike.

Details :

Application of Catalytic materials under class 3 hazardous per MSDS - .65 per hour above the Job Classification basic hourly rate.

Application of Catalytic materials under class 4 hazardous per MSDS - 1.00 per hour above the Job Classification basic hourly rate.

Name of Union: Painter Local 707 Industrial

Craft : Painter Effective Date : 05/25/2018 Last Posted : 05/25/2018

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Apprentice - Painter	Percent											
1st 6 months	45.00	\$15.37	\$6.67	\$1.45	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.89	\$31.58
2nd 6 months	50.00	\$17.08	\$6.67	\$1.50	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.65	\$34.19
3rd 6 months	55.00	\$18.79	\$6.67	\$1.99	\$0.40	\$0.00	\$2.28	\$0.00	\$0.00	\$0.00	\$30.13	\$39.52
4th 6 months	60.00	\$20.50	\$6.67	\$2.03	\$0.40	\$0.00	\$2.49	\$0.00	\$0.00	\$0.00	\$32.09	\$42.33
5th 6 months	65.00	\$22.20	\$6.67	\$2.38	\$0.40	\$0.00	\$2.70	\$0.00	\$0.00	\$0.00	\$34.35	\$45.46
6th 6 months	70.00	\$23.91	\$6.67	\$2.42	\$0.40	\$0.00	\$2.91	\$0.00	\$0.00	\$0.00	\$36.31	\$48.27
7th 6 months	75.00	\$25.62	\$6.67	\$3.17	\$0.40	\$0.00	\$3.11	\$0.00	\$0.00	\$0.00	\$38.97	\$51.78
8th 6 months	80.00	\$27.33	\$6.67	\$3.21	\$0.40	\$0.00	\$3.32	\$0.00	\$0.00	\$0.00	\$40.93	\$54.59

Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio :

1 Apprentice to 1 Journeyman

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Portage & Summit North of the East-West Turnpike.

Details :

Painter Bridge Class 2 is Defined as; Bridge Painter, Rigger, Containment Builder

Application of Catalytic materials under class 3 hazardous per MSDS - .65 per hour above the Job Classification basic hourly rate.

Application of Catalytic materials under class 4 hazardous per MSDS - 1.00 per hour above the Job Classification basic hourly rate.

* Concrete Sealing: on highway work, scaling of concrete surfaces, the treating and sealing of bridge decks, the painting and staining of concrete, including the abutments, barricades, noise barriers, lane dividers, etc.

Prevailing Wage Rate Skilled Crafts

Name of Union: Pipefitter Local 120

Change # : LCN01-2018fbLoc120

Craft : Pipefitter Effective Date : 07/18/2018 Last Posted : 07/18/2018

	BHR	Fringe Benefit Payments							Irrevocable Fund	Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Pipefitter	\$37.67	\$11.50	\$10.30	\$0.87	\$0.00	\$2.60	\$0.40	\$0.00	\$0.00	\$63.34	\$82.17
Apprentice	Percent										
1st year	43.96 \$16.56	\$5.30	\$0.00	\$0.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.73	\$31.01
2nd year	45.15 \$17.01	\$11.05	\$5.90	\$0.87	\$0.00	\$0.00	\$0.40	\$0.00	\$0.00	\$35.23	\$43.73
3rd year	53.44 \$20.13	\$11.05	\$5.90	\$0.87	\$0.00	\$0.00	\$0.40	\$0.00	\$0.00	\$38.35	\$48.42
4th year	70.03 \$26.38	\$11.05	\$5.90	\$0.87	\$0.00	\$0.00	\$0.40	\$0.00	\$0.00	\$44.60	\$57.79
5th year	78.31 \$29.50	\$11.05	\$5.90	\$0.87	\$0.00	\$0.00	\$0.40	\$0.00	\$0.00	\$47.72	\$62.47

Special Calculation Note : OTHER IS :SUPPLEMENTAL UNEMPLOYMENT BENEFITS

Ratio :

- 1 Journeymen to 1 Apprentice per project
- 2-4 Journeymen to 2 Apprentices per project
- 5-7 Journeymen to 3 Apprentices per project
- 3 to 1 on jobs with 9 or more journeymen

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA,
LAKE, MEDINA*, SUMMIT*

Special Jurisdictional Note : Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of State Route 18 and Smith Road and including work within the corporate limits of the City of Medina.

Details : Under pipefitter duties shall include - steam and hot water heating boilers and related controls such as automatic feedwater and low water cut-offs, safety relief valves and gas trains; steam regulators, traps, steam valves, steam heaters, steam and hot water heating coils; feedwater lines to boilers, condensate pumps, condensate tanks and related piping to boilers, expansion tanks and controls on hot water heating systems; refrigeration and air conditioning systems that are separate from one another and are connected through piping; install, piping for heating and cooling devices; piping, pumps and controls on the fluent water system in water treatment plants; hose cabinets and automatic fire sprinkler systems; underground water supply piping and devices; all fire stopping of piping systems; to operate a pipe cutting machine, to thread pipe by machine or hand dies; to do oxyacetylene and electric welding on iron and steel pipes when required; to perform other tasks when assigned.

Prevailing Wage Rate

Skilled Crafts

Name of Union: **Plumber Local 55**

Change # : LCN0-2018fbLoc55Plum

Craft : Plumber Effective Date : 05/25/2018 Last Posted : 05/25/2018

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plumber	\$35.78		\$9.60	\$10.68	\$1.23	\$0.00	\$3.77	\$0.30	\$0.00	\$0.00	\$61.36	\$79.25
Yard Piping	\$24.36		\$6.94	\$2.91	\$0.69	\$0.00	\$1.59	\$0.30	\$0.00	\$0.00	\$36.79	\$48.97
Shopman (When in the field)	\$19.78		\$7.35	\$6.19	\$0.10	\$0.00	\$1.95	\$0.00	\$0.00	\$0.00	\$35.37	\$45.26
Apprentice Initiated BEFORE 5/1/10												
4th year	\$25.66		\$6.50	\$3.21	\$1.05	\$0.00	\$0.50	\$0.55	\$0.00	\$0.00	\$37.47	\$50.30
5th year	\$28.22		\$6.83	\$3.21	\$1.10	\$0.00	\$0.50	\$0.55	\$0.00	\$0.00	\$40.41	\$54.52
Apprentice Initiated AFTER 5/1/10												
Percent												
1-6 Months	37.82	\$13.53	\$5.73	\$0.66	\$0.95	\$0.00	\$0.23	\$0.00	\$0.00	\$0.00	\$21.10	\$27.87
7-12 Months	43.82	\$15.68	\$5.80	\$0.91	\$1.00	\$0.00	\$0.51	\$0.30	\$0.00	\$0.00	\$24.20	\$32.04
2nd year	44.72	\$16.00	\$6.41	\$2.51	\$1.05	\$0.00	\$1.04	\$0.30	\$0.00	\$0.00	\$27.31	\$35.31
3rd year	49.98	\$17.88	\$6.41	\$3.33	\$1.05	\$0.00	\$1.39	\$0.30	\$0.00	\$0.00	\$30.36	\$39.30
4th year	56.65	\$20.27	\$6.43	\$3.43	\$1.05	\$0.00	\$1.95	\$0.30	\$0.00	\$0.00	\$33.43	\$43.56
5th year	63.85	\$22.85	\$6.84	\$3.52	\$1.05	\$0.00	\$2.00	\$0.30	\$0.00	\$0.00	\$36.56	\$47.98
Shopman (when in the field) After 5/1/10	37.15	\$13.29	\$6.41	\$1.80	\$0.10	\$0.00	\$0.74	\$0.00	\$0.00	\$0.00	\$22.34	\$28.99

Special Calculation Note : OTHER IS: SUPPLEMENTAL UNEMPLOYMENT

Ratio :

1 Apprentice for the first steadily employed journeyman, and thereafter 1 Apprentice for every 2 steadily employed journeymen

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA*, SUMMIT*

Special Jurisdictional Note : Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of Route 18 and Smith Road and the corporate limits of the City of Medina.

Details :

The Plumber Shopman will have charge of the Employer's shop and warehouse containing plumbing and heating supplies and equipment, and perform such duties as are customarily required by a Plumber or a Plumber's Shopman, including casual delivery of tools and equipment necessary for installation of Plumbing and Heating facilities.

Prevailing Wage Rate Skilled Crafts

Name of Union: Truck Driver HevHwy 436

Change # : LCN01-2015fbLoc436

Craft : Truck Driver Effective Date : 08/12/2015 Last Posted : 08/12/2015

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Truck Driver - Straight and Dump Trucks including Asphalt-Straight Fuel - Warehousemen-Straight Fuel	\$26.90	\$4.80	\$10.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.75	\$55.20
Semi Fuel-Semi Tractor Drivers-Darts-Tank Asphalt Spreaders-Low Boys. Carryall Drivers-Rockers- Hiliifts-Forklifts-Xtra long Trailers etc.	\$27.40	\$4.80	\$10.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.25	\$55.95

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Jurisdiction (* denotes special jurisdictional note) :
CUYAHOGA, LAKE, GEAUGA

Ratio :

Special Jurisdictional Note :

Details :

Eculids include: Darts, Tank, Asphalt Spreaders, Low Boys, Carry-All Drivers, Tourna-Rockers, High-Lifts, Fork-Lifts, Extra Long Trailers and Semi-Tractor and Tri-Axle Trailer, Tandem Tractor and Tandem Trailer, Tandem Trailer and Tri-Axle Trailer, Tag Along Trailer, Expandable Trailers or towing requiring road permits. Ready-Mix (Agitator or non-agitator) Bulk Concrete Drivers, dry Batch Trucks, Articulated End Dump, Bus Drivers.

Holiday Pay = 7 holidays X (8 hours X BHR)/2080 hours per year.

This pay is only for those employees who started driving before 1976.

To be eligible to receive holiday pay an employee must have worked at least one (1) day in the period fourteen (14) calendar days prior to the holiday and/or in the fourteen (14) day calendar period after the holiday.