

# NOTICE OF HEARING AND LETTING TO BIDDERS

## Project Number: L-100--73-98

Sealed bids will be accepted by the County Auditor of Worth County at their office in Northwood, Iowa, until 12:00 PM, on Friday, March 27, 2026 for the various items of construction work listed below. Following the acceptance of the bids, they will be opened and the amount of each bid amount read allowed.

On Monday March 30, 2026 at 9:00 AM local time, at the Worth County Courthouse, in the Board Room, the Worth County Board of Supervisors shall hold a public hearing on the proposed plans, specifications, form of contract and estimate of costs of said improvements. At said hearing, any interested person may appear and file objections to the proposed plans, specifications, contract or estimate of costs of said improvements. Following the said public hearing, the bids will be acted upon by the Board.

A Certified check, made payable to the County, or a Cashier' check, made payable to either the County or to the contractor, drawn upon a solvent bank or a bid bond, shall be filed with each proposal in an amount as set forth in the proposal form. Cashier' check, made payable to the contractor, shall contain an unqualified endorsement to the County signed by the contractor or his authorized agent. Failure to execute a contract and file an acceptable bond and Certificate of Insurance within 30 days of the date of the approval for awarding of the contract, as herein provided, will be just and sufficient cause for the denial of the award and the forfeiture of the proposal guaranty.

Plans, specifications and proposal forms for the work may be seen and may be secured at the County Engineer's office, 1000 Central Avenue, Northwood, IA.

All proposals must be filed on the forms furnished by the County, sealed and plainly marked. Proposals containing any reservations not provided for in the forms furnished may be rejected, and the County Board reserves the right to waive technicalities and to reject any or all bids.

Attention of bidders is directed to the Special Provisions covering the qualifications of bidders and subletting or assigning of the contract.

As a condition precedent to being furnished a proposal form, a prospective bidder must be on the current Iowa Department of Transportation or local county list of qualified bidders; except that this requirement will not apply when bids are received solely for materials, supplies, or equipment.

WORTH County shall issue sales tax exemption certificates through the Iowa Department of Revenue and Finance to the successful bidder and an subcontractors to enable them to purchase qualifying materials for the project free of sales tax.

The County, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

### Description of the Proposed Work : L-100--73-98

Project consists of a 6" and 7" PCC Unbonded overlay with 3' shoulder widening.

Description	Units	Quantity
MODIFIED SUBBASE	CY	47.8
GRANULAR SHOULDERS, TYPE B	TON	5208.990
PAVEMENT SCARIFICATION	SY	175.500
STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN.	SY	382.000
PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	1.00
RUMBLE STRIP PANEL (PCC SURFACE)	EACH	2
HOT MIX ASPHALT STANDARD TRAFFIC, BASE COURSE, 1/2 IN. MIX	TON	234.40
HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	TON	262.800

# BIDDING PROPOSAL FOR WORTH COUNTY

Project Number: L-100--73-98

Type of Work: PCC Paving

System: Local

Miles: 3.100

**Location and Description : Fir Avenue: On 342nd St. and Fir Avenue, from Fertile 3.1 miles to State Hwy 9**

Project consists of a 6" and 7" PCC Unbonded overlay with 3' shoulder widening.

Proposal of:

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip Code

\_\_\_\_\_  
Federal Tax I.D. Number

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Fax

\_\_\_\_\_  
Email

The bidder hereby certifies that no other principal is involved in or has an interest in this proposal; that the bidder has thoroughly examined the plans and specifications and this contract form and is aware of the provisions contained herein; that the bidder has examined the site of the work and understands that the quantities of work required by the plans and specifications are approximate only and are subject to increases and decreases; that the bidder understands that all quantities of work actually required must be performed and that payment therefore shall be at the unit prices stipulated herein; that the bidder proposes to timely furnish the specified material in the quantities required and to furnish the machinery, equipment, labor and expertise necessary to competently complete this project by the time specified; that no state or county official or employee has a direct or indirect interest in the contract which would cause violation of Iowa Code Section 314.2; that the bidder has made no agreement with any supplier of motor fuel or special fuel which will result in a violation of Iowa Code Section 452A.17(8).

If this bid is accepted, Bidder agrees: to perform all "extra work" required to complete the project at unit prices or lump sums to be agreed upon in writing prior to commencement of such "extra work" or if prior agreement cannot be reached, to perform the work on a "force-account basis" as provided in the specifications; to execute the formal contract within thirty days of the date of approval for award or to forfeit the proposal guaranty furnished herewith; to begin work in accordance with the contract documents and to either complete the work within the contract period or pay liquidated damages, which shall accrue at the daily rate specified below, for each additional working day the work remains uncompleted; and to furnish a performance bond in an amount equal to the contract award as security for the full and complete performance of the contract in accordance with the plans and specifications.

Work Days	Date Type	Date	Liquidated Damages Per Day
45	Late Start Date	8/31/2026	\$1,000.00
<b>Proposal Guaranty: \$100,000.00</b>			

Enclosed herewith is a certified check, credit union share draft, Cashier's Check, bank draft on a solvent bank or a bid bond in the penal sum shown in the contract document as a proposal guaranty. It is understood by bidder that the said guaranty document shall be retained by the Contracting Authority as a forfeiture in the event the formal contract is not executed or performance bond is not furnished if the award is made to the undersigned.

The signing of this Bid Document shall serve as an unsworn declaration that, I (the owner, partner, President, other corporate officer, or an authorized representative) hereby certify under penalty of perjury under the laws of the United States and the State of Iowa that I have read, understand, and accept the Bidding Certifications and other provisions contained in this Proposal Notice.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Date of Award: Monday, March 30, 2026, 09:00 AM, County Boardroom, Northwood, Iowa

Date of Letting: Friday, March 27, 2026, 12:00 PM, County Auditor, Northwood, Iowa

**SCHEDULE OF PRICES -- PROPOSAL**  
**Worth County, Iowa -- Project L-100--73-98**

Type of work : PCC Paving

UNIT PRICES AND EXTENDED AMOUNTS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Bidder shall show unit price and extension for each item and total for each division.

Item Number	Description	Units	Quantity	Unit Price	Total
Division 1					
1. 2115 - 0100000	MODIFIED SUBBASE	CY	47.8		
2. 2121 - 7425020	GRANULAR SHOULDERS, TYPE B	TON	5208.990		
3. 2214 - 5145150	PAVEMENT SCARIFICATION	SY	175.500		
4. 2301 - 1033080	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN.	SY	382.000		
5. 2301 - 6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	1.00		
6. 2301 - 9091000	RUMBLE STRIP PANEL (PCC SURFACE)	EACH	2		
7. 2303 - 1031500	HOT MIX ASPHALT STANDARD TRAFFIC, BASE COURSE, 1/2 IN. MIX	TON	234.40		
8. 2303 - 1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	TON	262.800		
9. 2303 - 1258343	ASPHALT BINDER, PG 58-34S, STANDARD TRAFFIC	TON	29.80		
10. 2310 - 5151040	PORTLAND CEMENT CONCRETE OVERLAY, FURNISH ONLY	CY	9856.5		
11. 2310 - 5151045	PORTLAND CEMENT CONCRETE OVERLAY, PLACEMENT ONLY	SY	51681.800		
12. 2310 - 8300550	PAVEMENT INTERLAYER GEOTEXTILE	SY	55373.3		
13. 2510 - 6745850	REMOVAL OF PAVEMENT	SY	506.7		
14. 2526 - 8285000	CONSTRUCTION SURVEY	LS	1.00		
15. 2527 - 9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	278.830		
16. 2528 - 2518000	SAFETY CLOSURE	EACH	6		
17. 2528 - 8445110	TRAFFIC CONTROL	LS	1.00		
18. 2528 - 8445113	FLAGGERS	EACH	10.000		
19. 2533 - 4980005	MOBILIZATION	LS	1.00		
<b>Total Bid</b>					

The County, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

STANDARD SPECIFICATIONS OF THE IDOT, SERIES 2023, AND CURRENT SUPPLEMENTAL SPECIFICATIONS SHALL APPLY.

ASPHALT BINDER, PG 58-34S, STANDARD TRAFFIC	TON	29.80
PORTLAND CEMENT CONCRETE OVERLAY, FURNISH ONLY	CY	9856.5
PORTLAND CEMENT CONCRETE OVERLAY, PLACEMENT ONLY	SY	51681.800
PAVEMENT INTERLAYER GEOTEXTILE	SY	55373.3
REMOVAL OF PAVEMENT	SY	506.7
CONSTRUCTION SURVEY	LS	1.00
PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	278.830
SAFETY CLOSURE	EACH	6
TRAFFIC CONTROL	LS	1.00
FLAGGERS	EACH	10.000
MOBILIZATION	LS	1.00

**Total Proposal Guaranty is \$100,000.00; 45 Working Days; Late Start Date: 8/31/2026; \$1,000.00/Day Liquidated Damages.**

STANDARD SPECIFICATIONS OF THE IDOT, SERIES 2023, AND CURRENT SUPPLEMENTAL SPECIFICATIONS SHALL APPLY.

Approved by the Worth County Board of Supervisors at their regular session on 3/2/2026.



By: Jacki Backhaus, Worth County Auditor

Project Number L-100--73-98 Worth County PCC Overlay - 342nd St./ Fir Avenue

Item Number	Item Number	Description	Units	Quantity	Engineer's Estimate	Extended Amount
1	2115-0100000	MODIFIED SUBBASE	CY	47.8	\$ 40.00	\$ 1,912.00
2	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	5208.99	\$ 25.00	\$ 130,224.75
3	2214-5145150	PAVEMENT SCARIFICATION	SY	175.5	\$ 20.00	\$ 3,510.00
4	2301-1033080	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3	SY	382	\$ 70.00	\$ 26,740.00
5	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	1	\$ 2,500.00	\$ 2,500.00
6	2301-9091000	RUMBLE STRIP PANEL (PCC SURFACE)	EACH	2	\$ 150.00	\$ 300.00
7	2303-1031500	HOT MIX ASPHALT STANDARD TRAFFIC, BASE COURSE, 1/2 IN. MIX	TON	234.4	\$ 80.00	\$ 18,752.00
8	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRIC	TON	262.8	\$ 80.00	\$ 21,024.00
9	2303-1258343	ASPHALT BINDER, PG 58-34S, STANDARD TRAFFIC	TON	29.8	\$ 520.00	\$ 15,496.00
10	2310-5151040	PORTLAND CEMENT CONCRETE OVERLAY, FURNISH ONLY	CY	9856.5	\$ 120.00	\$ 1,182,780.00
11	2310-5151045	PORTLAND CEMENT CONCRETE OVERLAY, PLACEMENT ONLY	SY	51681.8	\$ 4.00	\$ 206,727.20
12	2310-8300550	PAVEMENT INTERLAYER GEOTEXTILE	SY	55373.3	\$ 3.00	\$ 166,119.90
13	2510-6745850	REMOVAL OF PAVEMENT	SY	506.7	\$ 10.00	\$ 5,067.00
14	2526-8285000	CONSTRUCTION SURVEY	LS	1	\$ 15,000.00	\$ 15,000.00
15	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	278.83	\$ 40.00	\$ 11,153.20
16	2528-2518000	SAFETY CLOSURE	EACH	6	\$ 200.00	\$ 1,200.00
17	2528-8445110	TRAFFIC CONTROL	LS	1	\$ 10,000.00	\$ 10,000.00
18	2528-8445113	FLAGGERS	EACH	10	\$ 500.00	\$ 5,000.00
19	2533-4980005	MOBILIZATION	LS	1	\$ 80,000.00	\$ 80,000.00
<b>Project Total</b>						<b>\$ 1,903,506.05</b>

PCC OVERLAY

LETTING DATE MARCH 27, 2026

WORTH COUNTY

PROJECT NUMBER : L-100--73-98

**TRAFFIC CONTROL PLAN**  
 The project will be closed to traffic during construction. Local traffic to adjacent properties will be maintained as provided for in Article 1107.08 of the current Standard Specifications. The Contractor is responsible for the erection and maintenance of all traffic control devices for the detour route as well as all signage within the project. Traffic control devices, procedures, layouts, signing, and pavement markings installed within the limits of this project shall conform to the "Manual on Uniform Traffic Control Devices for Streets and Highways" as adopted by the Department per 761 of the Iowa Administrative Code (IAC) chapter 130.  
  
**BMC quarry traffic will be maintained based on project staging and communication between the contractor and quarry staff.**

**UTILITIES**  
 Utility Companies whose facilities are shown on the plans or shown to be within the construction limits shall be notified by contractor of the construction before the construction starting date and subsequent work in the area. ALL UTILITIES MAY NOT BE LISTED. Contractor responsible to notify Utilites not listed.  
 "IOWA ONE CALL" : (800) 292-8989 www.iowaonecall.com  
 Heartland Power: Dave Low (641) 584-2251  
 Alliant Energy: (800) 255-4268  
 Winnebago Telephone: Mark Thoma (641) 592-6105



**WORTH COUNTY  
 SECONDARY ROADS  
 PLANS OF PROPOSED IMPROVEMENTS ON THE  
 FARM TO MARKET SYSTEM  
 WORTH COUNTY  
 PCC OVERLAY  
 L-100--73-98  
 LOCATED ON 342nd ST. AND FIR AVENUE,  
 FROM FERTILE 3.1 MILES TO  
 STATE HWY 9.**

SCALES As Noted

REFER TO THE PROPOSAL FORM FOR LIST OF APPLICABLE SPECIFICATIONS.

**DESIGN DATA RURAL**

2013	200	V.P.D.
2030	210	V.P.D.
20	----	V.P.D.
TRUCKS	-----	%
Total		
Design ESALs		



L-100--73-98

**INDEX OF SHEETS** TOTAL SHEETS: 9

No.	DESCRIPTION
A.1 B.1 - B.3	TITLE SHEET TYPICAL SECTIONS, NOTES AND DETAILS
C.1	TABULATIONS
C.2	TABULATIONS
C.3	TABULATIONS
C.4	TABULATIONS
C.5	TABULATIONS

**MILEAGE SUMMARY**

Proj.	LOCATION	Lin. Ft.	Miles
342/Fir	STA 0+00 TO 162+66	16266	3.08
NET LENGTH OF PROJECT		16266	3.08

**STANDARD ROAD PLANS**  
 STANDARD ROAD PLANS ARE LISTED ON SHEET C.1

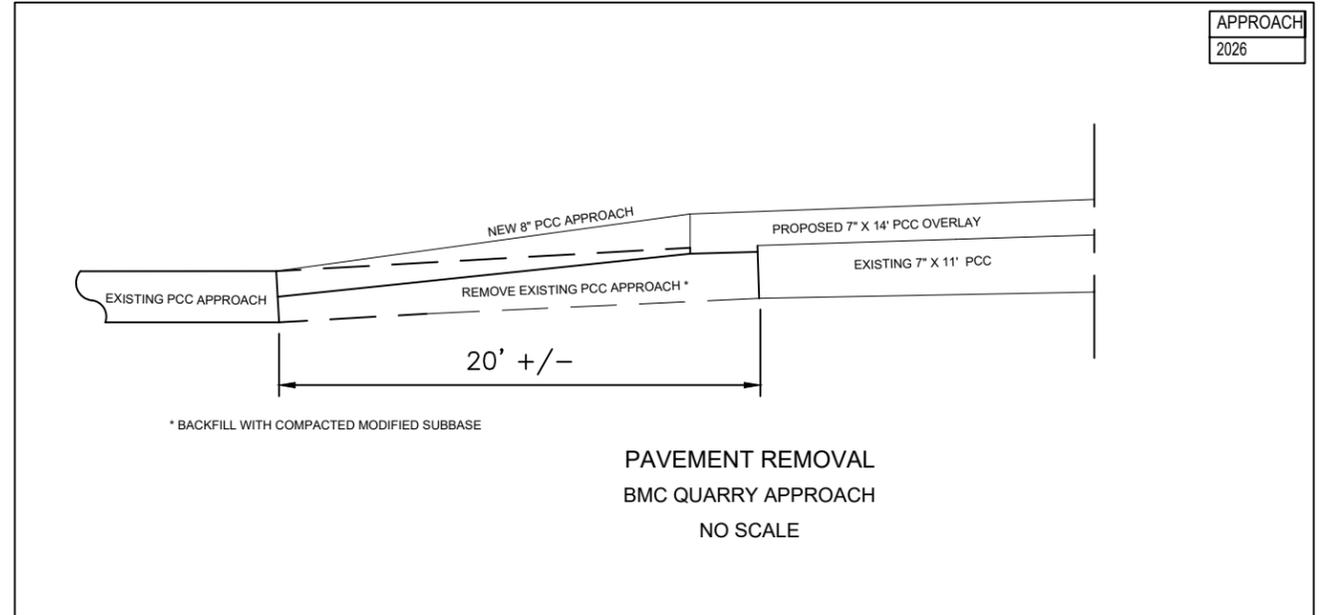
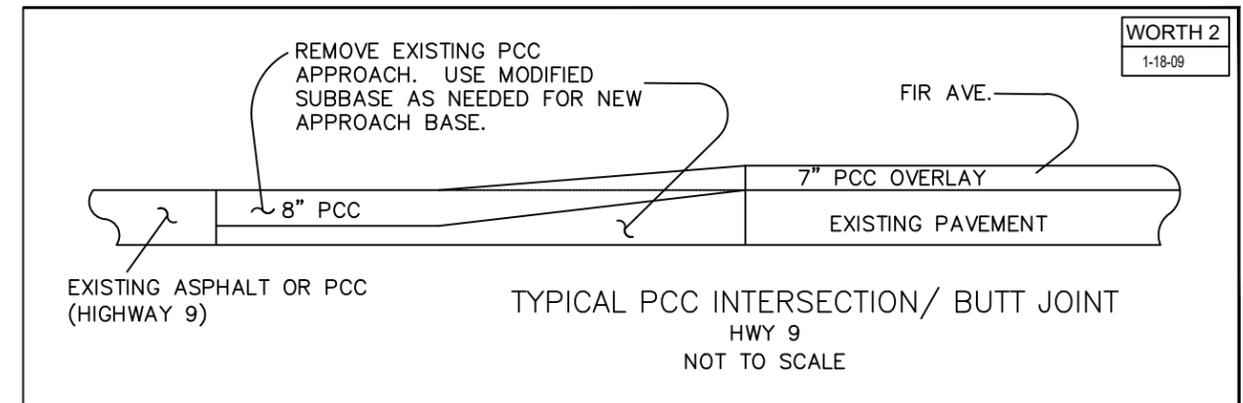
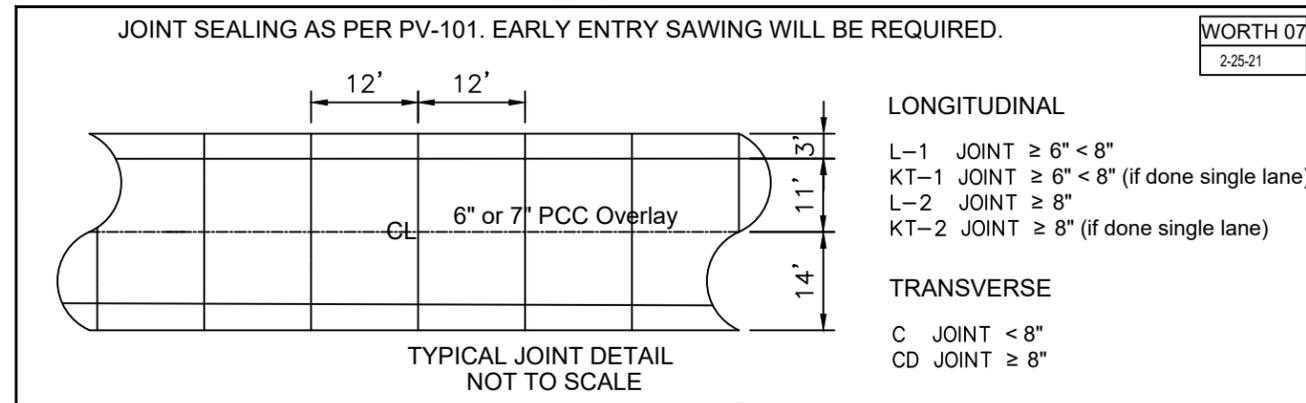
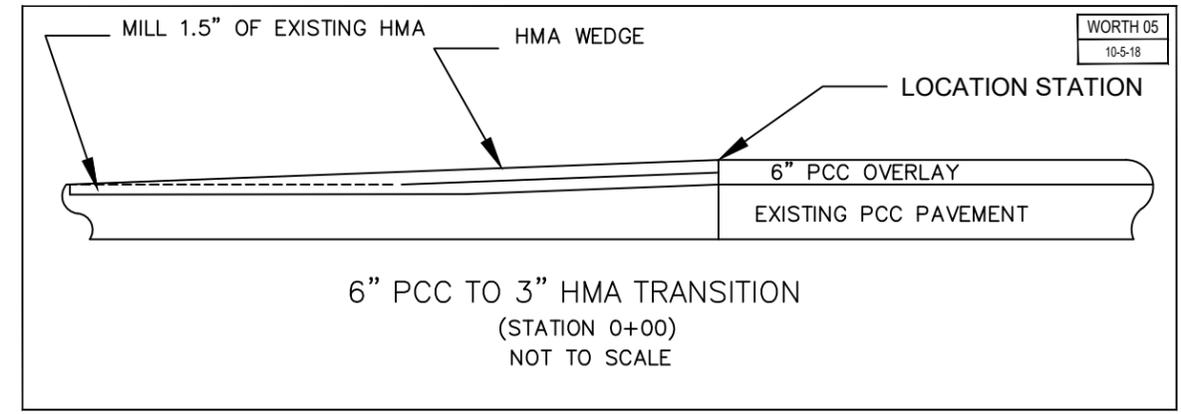
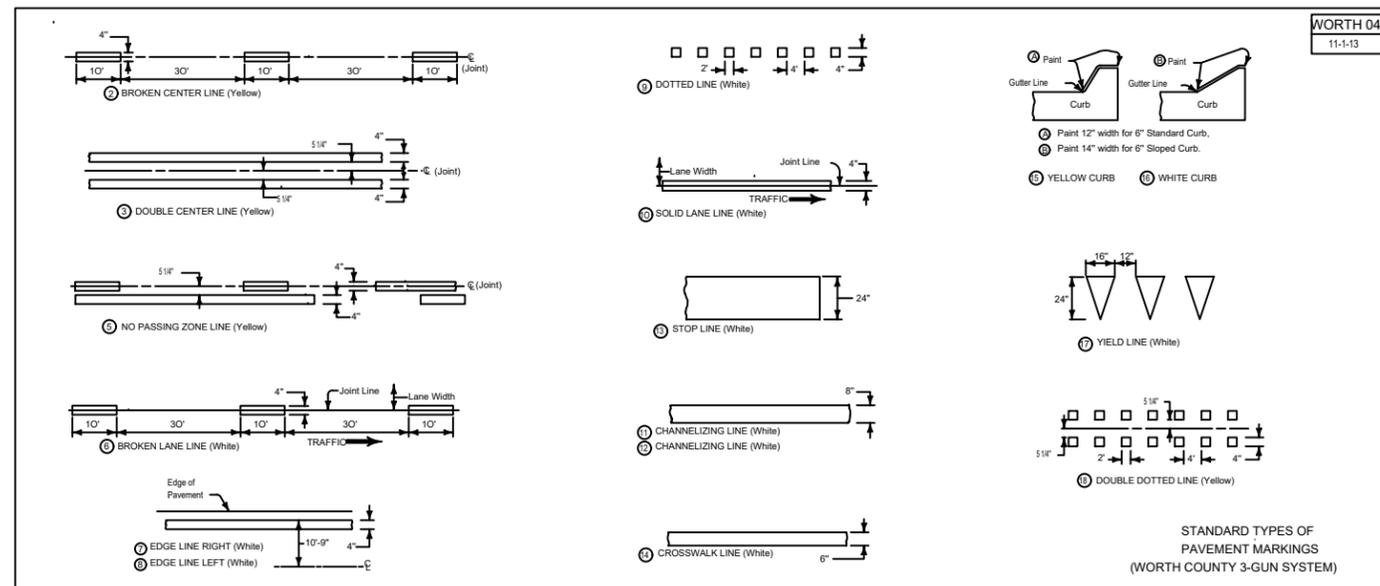
APPROVED BY WORTH COUNTY  
 BOARD OF SUPERVISORS



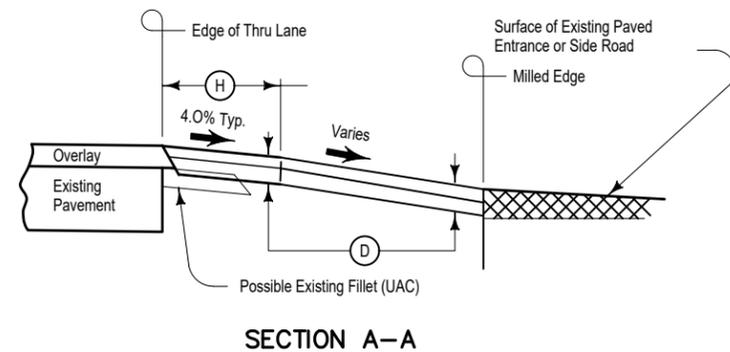
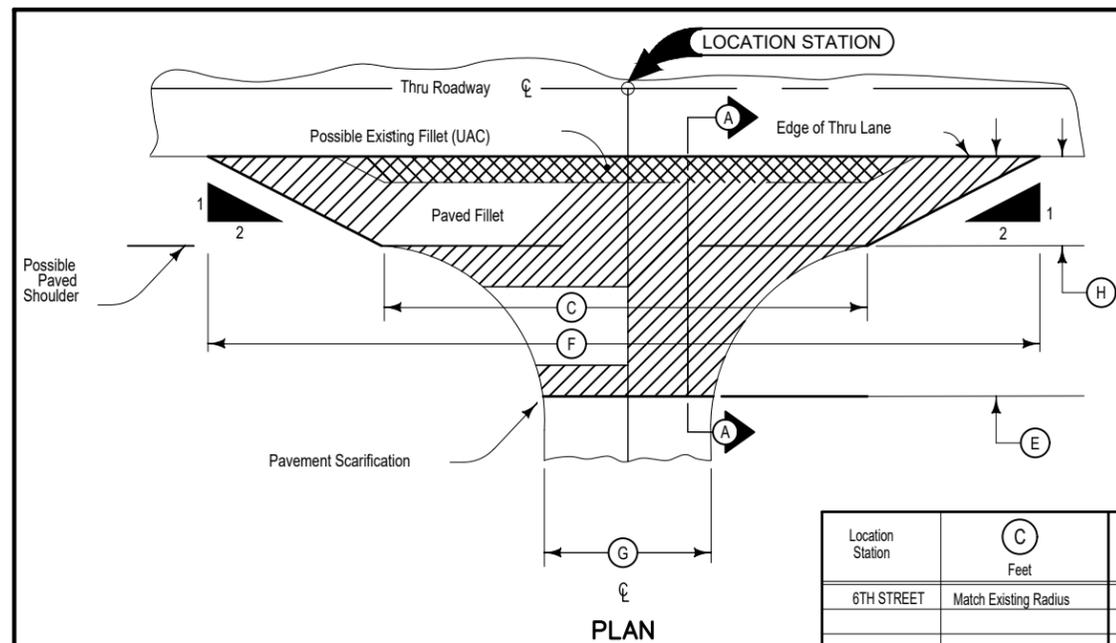
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Iowa.  
*Richard C. Brumm* Date **2-27-26**  
 RICHARD C. BRUMM  
 My license renewal date is December 31, 2026  
 Pages or sheets covered by this seal:  
All Sheets



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Mix Design shall be similar for Base-Intermediate-Surface

Location Station	(C) Feet	(E) Feet	(F) Feet	(G) Feet	(H) Feet	(D) Inches	Base Tons	Intermediate Tons	Surface Tons	Total Tons
6TH STREET	Match Existing Radius	50	Match Existing	35	4	6	40.7		32.6	73.3

WORTH 09  
10-5-2018

Lengths and Depths in this typical shall supercede PV-202.  
Crown of fillets shall match edge of proposed HMA surface.  
Special shaping of existing surface prior to placement of fillet may be required by the Engineer and is incidental to other work on the project.  
Quantities included in Estimated Roadway Quantities and are for estimation only. Contractor is responsible to determine actual quantities delivered and used.

Pavement Scarification shall be a minimum of 4' long, width as shown in column "G", and 2" deep.  
Pavement Scarification shall be incidental to this HMA bid item.

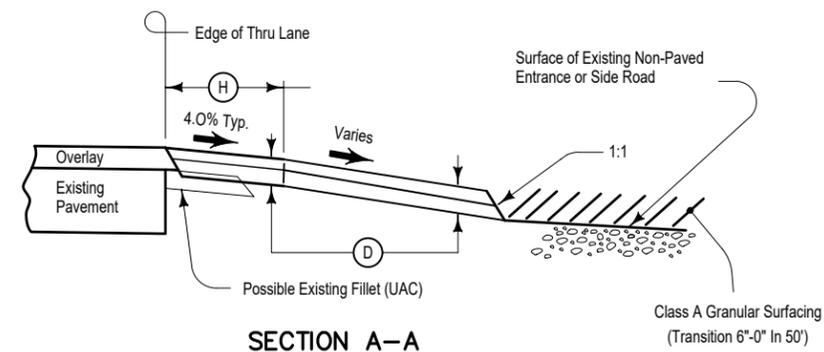
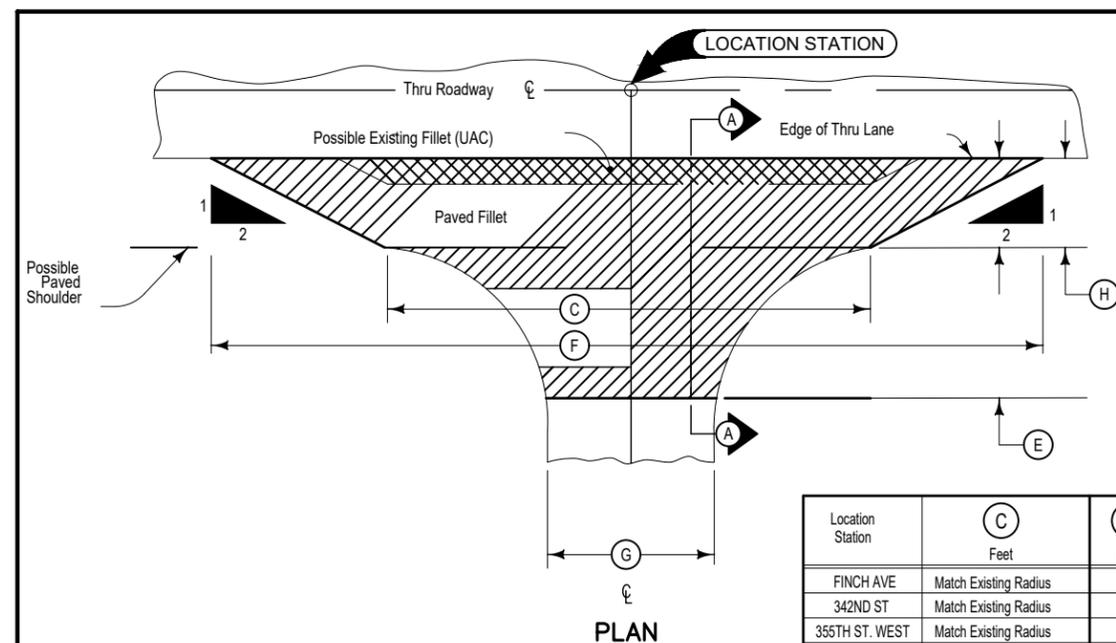
Base - 3 inches  
Surface - 3 inches

(Approved to be paved in 2-3" lifts)

(D) Fillet shall be a 2" - 6" Wedge Section

HMA FILLET FOR PAVED ENTRANCES OR SIDE ROADS

HMA WEDGE SECTIONS



Mix Design shall be similar for Base-Intermediate-Surface

Location Station	(C) Feet	(E) Feet	(F) Feet	(G) Feet	(H) Feet	(D) Inches	Base Tons	Intermediate Tons	Surface Tons	Total Tons
FINCH AVE	Match Existing Radius	50	80	22	4	6	33		33	66
342ND ST	Match Existing Radius	50	80	22	4	6	79.5		79.5	159
355TH ST. WEST	Match Existing Radius	50	80	22	4	6	48.9		48.9	97.8
									TOTAL	322.8

WORTH 10  
10-5-2018

Lengths and Depths in this typical shall supercede PV-202.  
Crown of fillets shall match edge of proposed HMA surface.  
Special shaping of existing surface prior to placement of fillet may be required by the Engineer and is incidental to other work on the project.  
Quantities included in Estimated Roadway Quantities and are for estimation only. Contractor is responsible to determine actual quantities delivered and used.

Base - 3 inches  
Surface - 3 inches

(Approved to be paved in 2-3" lifts)

(D) Side Road Fillet Section

HMA FILLET FOR NON-PAVED SIDE ROADS

ESTIMATED PROJECT QUANTITIES					
Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2115-0100000	MODIFIED SUBBASE	CY	47.80	
2	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	5208.99	
3	2214-5145150	PAVEMENT SCARIFICATION	SY	175.50	
4	2301-1033080	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN.	SY	382.00	
5	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	1.00	
6	2301-9091000	RUMBLE STRIP PANEL (PCC SURFACE)	EACH	2.00	
7	2303-1031500	HOT MIX ASPHALT STANDARD TRAFFIC, BASE COURSE, 1/2 IN. MIX	TON	234.40	
8	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	TON	262.80	
9	2303-1258343	ASPHALT BINDER, PG 58-34S, STANDARD TRAFFIC	TON	29.80	
10	2310-5151040	PORTLAND CEMENT CONCRETE OVERLAY, FURNISH ONLY	CY	9856.50	
11	2310-5151045	PORTLAND CEMENT CONCRETE OVERLAY, PLACEMENT ONLY	SY	51681.80	
12	2510-6745850	REMOVAL OF PAVEMENT	SY	506.70	
13	2310-8300550	PAVEMENT INTERLAYER GEOTEXTILE	SY	55373.30	
14	2526-8285000	CONSTRUCTION SURVEY	LS	1.00	
15	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	278.83	
16	2528-2518000	SAFETY CLOSURE	EACH	6.00	
17	2528-8445110	TRAFFIC CONTROL	LS	1.00	
18	2528-8445113	FLAGGERS	EACH	10.00	
19	2533-4980005	MOBILIZATION	LS	1.00	

100\_01A  
3/24/25

PROJECT DESCRIPTION	
PCC OVERLAY (6" AND 7") WITH WIDENING, LOCATED ON 342ND ST. AND FIR AVE. FROM FERTILE CITY LIMITS 3.08 MILES EAST AND NORTH TO STATE HWY 9.	

100\_01D  
8/15/22

STANDARDS		
The following Standards apply to construction work on this project.		
Number	Date	Title
PM-110	10-15-24	Line Types
PM-120	10-15-24	Stop Lines and Islands
PM-210	10-15-24	Separation in Two-Lane Roadway
PM-520	10-15-24	Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
PR-201	10-21-14	Runouts for Resurfacing
PR-202	10-21-14	Notches for Resurfacing (with or without Runout)
PV-10	04-21-20	Rumble Strip Panel for Intersection Approach
PV-101	10-21-25	Joints
PV-202	04-21-20	Hot Mix Asphalt Resurfacing
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-18-23	Work Within 15 ft of Traveled Way
TC-213	04-18-23	Lane Closure with Flaggers
TC-233	10-17-17	Pavement Marking Operations Two-Lane
TC-251	04-18-23	Temporary Road Closure
TC-252	10-21-25	Routes Closed to Traffic
TC-273	10-15-19	Construction Site Entrance
TC-283	04-18-23	Surveying Operations
TC-284	10-15-19	No Centerline Markings on Non-Primary Roadways

105\_04  
10/21/25

SHOULDERS															
(1) Lane(s) to which the shoulder is adjae (2) See Typ. 7156, 7157, or 71 (3) Bid It (4) Applies only for Paved Shoulders constructed on project with existing granular shoulde (5) Bid Item. Typ. 7156, 7157, or 71 (6) Does not include shri (7) Paved shoulder thickness specified in Remar (8) Subbase type specified in Remar															
Roadway Identification	Direction of Travel (1)	Station From	Station To	Side	P Width (FT)	P SG Width (2) (FT)	G Width (FT)	L Length (FT)	Class 13 Excavation (CY)(3)(4)	Paved Shoulder (3) (	Polymer Grid (SY)	Subbase (3) (CY)	Granular Shoulder (3) (T	Granular Shoulder (TON/STA)	Remarks
FIR	EB	162+66.00	162+66.00	Right	3.0		3.0	16266.00					2288.626	14.070	
FIR	EB	162+66.00	162+66.00	Left	3.0		3.0	16266.00					2370.363	14.572	
<b>Total:</b>													<b>4658.989</b>		

112\_09  
10/15/24

INDEX OF TABULATIONS		
Tabulation	Tabulation Title	Sheet No.
100_01A	ESTIMATED PROJECT QUANTITIES	C.1
100_01D	PROJECT DESCRIPTION	C.1
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100_24	PCC PAVEMENT	C.3
100_25	HMA PAVEMENT	C.1
102_05	EXISTING PAVEMENT	C.3
105_04	STANDARD ROAD PLANS	C.1
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108_22	PAVEMENT MARKING LINE TYPES	C.5
110_01	REMOVAL OF PAVEMENT	C.2
111_25	INDEX OF TABULATIONS	C.1
112_07	RUMBLE STRIP PANELS	C.3
112_09	SHOULDERS	C.1

111\_25  
12/16/25

RUMBLE STRIP PANELS				
Refer to Standard Road Plan PV-10.				
Roadway Identification	Station	Side	Pavement Type	Remarks
FIR		Right	New	
FIR		Right	New	

112\_07  
8/15/22

**ESTIMATE REFERENCE INFORMATION**

Item No.	Item Code	Description
1	2115-0100000	SEE SHEET B.2 AND TABULATION 100-24 ON SHEET C.3 FOR LOCATIONS. GRADATION NO. 14 SHALL BE USED. MODIFIED SUBBASE TO BE USED AS BASE FOR 8" 2-LANE PCC PAVING.
2	2121-7425020	SEE SHEETS B.1 AND TABULATION 112-9 ON SHEET C.1. GRADATION NO. 11 SHALL BE USED. MATERIAL SHALL BE PLACED AT 6" (OVERLAY) AND 8" (PAVING) DEEP BY 3 FT WIDE ON EACH SIDE (APPROXIMATELY 14.6TON PER SIDE PER STATION) (STEEL ROLLER NOT ALLOWED). QUANTITY INCLUDES APPROXIMATELY 25 TON PER ENTRANCE (19) AND 25 TON PER INTERSECTION.
3	2214-5145150	SCARIFICATION LOCATED AT B.O.P. AND 6TH STREET APPROACH
4	2301-1033080	SEE SHEET B.1 AND B.2. CONTRACTOR SHALL PERFORM CERTIFIED PLANT INSPECTION. MATURITY METHOD SHALL BE USED TO DETERMINE TIME FOR OPENING PAVEMENT FOR USE. STRINGLINE OR STRINGLESS PAVING IS APPROVED.MATERIALS FOR BURIED LUG HEADERS, ALL RADIUS, AND ALL JOINTS SPECIFIED, TO BE CONSIDERED INCIDENTAL TO PRICE BID FOR PCC OVERLAY. MIX SHALL CONTAIN SYNTHETIC MACRO FIBERS MEETING THE REQUIREMENTS OF IM 491.27 AND ADDED AT A RATE OF 4 POUNDS PER CUBIC YARD. QUANTITY INCLUDES 95 SY FOR QUARRY APPROACH.
5	2301-6911722	
6	2301-9091000	SEE TABULATION 112-7 ON SHEET C.2. MEASUREMENT AND PAYMENT WILL BE FOR EACH RUMBLE PANEL INSTALLED.
7	2303-1031500	SEE SHEETS B.3 AND C.4. DESIGN WEIGHT IS 147 LBS/ CF. MINIMUM 75% CRUSHED TYPE A AGGREGATE REQUIRED. MIX DESIGN BASED ON 6% ASPHALT CONTENT. MIX SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE PROJECT. CLASS 1 COMPACTION SHALL APPLY. INCLUDES MIX FOR ALL ENTRANCE AND INTERSECTION FILLETS. CONTRACTOR SHALL PERFORM ALL CERTIFIED PLANT INSPECTION PER 2521 WHICH SHALL BE INCLUDED IN THE BID PRICE FOR THIS ITEM. CONTRACTOR SHALL TACK BETWEEN HMA LIFTS. TACK COST IS INCIDENTAL TO THE PRICE BID FOR THIS ITEM.
8	2303-1033500	SEE ITEM 9 NOTES
9	2303-1258343	QUANTITY BASED ON 6% FOR ITEM 8 AND 9.
10	2310-5151040	SEE SHEETS B.1. REQUIRED SURFACE CLEANING SHALL APPLY. CONTRACTOR SHALL PERFORM CERTIFIED PLANT INSPECTION. MIX SHALL BE BE CLASS C WITH CLASS 3 DURABILITY. MIX SHALL CONTAIN SYNTHETIC MACRO FIBERS MEETING THE REQUIREMENTS OF IM 491.27 AND ADDED AT A RATE OF 4 POUNDS PER CUBIC YARD. MATURITY METHOD SHALL BE USED TO DETERMINE TIME FOR OPENING. MATERIALS FOR BURIED LUG HEADERS, ALL RADIUS, AND ALL JOINTS SPECIFIED, TO BE CONSIDERED INCIDENTAL TO PRICE BID FOR PCC OVERLAY.
11	2310-5151045	SEE NOTE FOR ITEM 6. REQUIRED SURFACE CLEANING SHALL APPLY
12	2510-6745850	ITEM IS FOR THE REMOVAL OF PAVEMENT AT THE QUARRY ENTRANCE AND THE INTERSECTION AT HIGHWAY 9
13	2310-8300550	ESTIMATED WITH A 1' OVERLAP ON CENTERLINE AND EXTENDING BEYOND THE SHOULDER WIDENING.
14	2527-9263109	PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND OFFSET ALL SECTION CORNERS, QUARTER CORNERS, ANY 1/4 QUARTER CORNERS, PI'S AND POT'S. ALL MONUMENT PRESERVATION FOR ANY PLATS OF PROPERTY SHALL ALSO BE PERFORMED. CONTRACTOR TO RE-ESTABLISH ALL CORNERS, PI'S, POT'S AND MONUMENTS UPON COMPLETION OF THE PROJECT. CONTRACTOR SHALL COLLECT DATA AND DESIGN THE PROFILE. ALL BENCHMARKS, REFERENCE POINT INFORMATION AND HORIZONTAL ALIGNMENT IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL VERTICAL AND HORIZONTAL CONTROL IS TO BE APPROVED BY THE COUNTY ENGINEER. WHEN USING STRINGLESS PAVING, INCORPORATE THE DESIGN PROFILE INTO AN ELECTRONIC MODEL FOR ACCURATE PAVEMENT CONTROL.CONTRACTOR SHALL STAKE LONGITUDINAL SECTIONS, HORIZONTAL CURVES AND INTERSECTION RADII. ANY STAKING DESTROYED BY THE CONTRACTOR WILL BE REPLACED AT THE CONTRACTORS EXPENSE. CONTRACTOR WILL REESTABLISH ALL CORNERS, PI'S, POT'S AND MONUMENTS. ALL STAKING MATERIALS TO COMPLETE THE WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. WORTH COUNTY CONTROL POINT DATA WILL BE AVAILABLE IN THE WORTH COUNTY ENGINEERS OFFICE.
15	2527-9263109	ALL PAVEMENT MARKINGS SHALL BE COMPLETED PRIOR TO OPENING OF ROADWAY TO THRU TRAFFIC. GRINDING OR STEEL BRUSHES WILL NOT BE ALLOWED FOR SURFACE PREPERATION.THREE (3) GUN PAINT SYSTEM REQUIRED. PAYMENT TO BE MADE ON ACTUAL FIELD MEASUREMENT. LANES TO BE PAINTED AT 11' WIDTH
16	2528-2518000	SEE TABULATION 108-13A ON SHEET C2 FOR LOCATIONS.
17	2528-8445110	SEE TRAFFIC CONTROL PLAN NOTE ON SHEET A.1.
18	2528-8445113	
19	2533-4980005	

108\_13A  
3/27/25

**SAFETY CLOSURES**  
Refer to Section 2528 of the Standard Specifications

Station	Road Closure Qty.	Hazard Closure Qty.	Remarks
	1		Fertile City Limits
45+17.00	1		Finch Ave
73+82.00	1		342nd ST
136+36.00	2		355th St
162+66.00	1		State HWY 9
<b>Total:</b>	<b>6</b>		

110\_01  
4/5/24

**REMOVAL OF PAVEMENT**  
Refer to Tabulation 102-5.

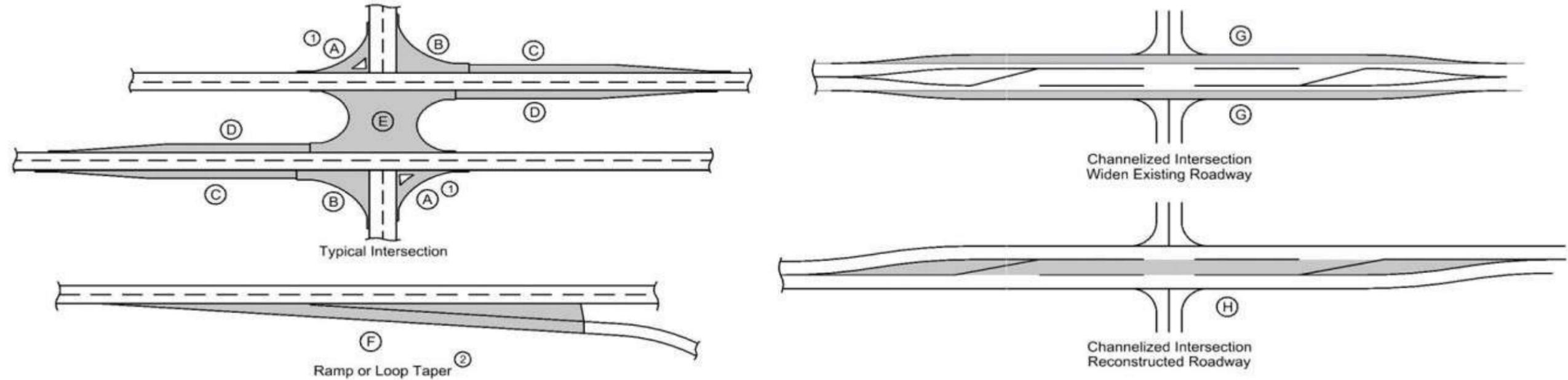
\* Not a bid item

Line No.	Station From	Station To	Side	Pavement Type	Area (SY)	Saw Cut* (LF)	Remarks
1.0	166+12.00	166+62.00	Both	PCC	122.2	44.0	
2.0	166+12.00	166+62.00	Both	PCC	286.7	100.0	Includes both radii
3.0			Left	PCC	97.8	44.0	QUARRY DRIVEWAY
<b>Total:</b>					<b>506.7</b>		

**EXISTING PAVEMENT**

Line No.	County	Route	Direction of Travel	Begin Ref. Location Sign	End Ref. Location Sign	Year	Type	Project Number	Surface Type	Surface Depth (IN)	Base Type	Base Depth (IN)	Subbase Type	Subbase Depth (IN)	Removal Type	Removal Depth (IN)	Coarse Aggregate Source	Coarse Aggregate Type	Course Aggregate Durability Class	Reinforcement Type	Remarks	
1.0	Worth	342ND	EB			1976		L-P-76	PCC	7.0												UNABLE TO FIND PLANS, ONLY NOTES
2.0	Worth	FIR	NB			1976		L-P-76	PCC	7.0												UNABLE TO FIND PLANS, ONLY NOTES

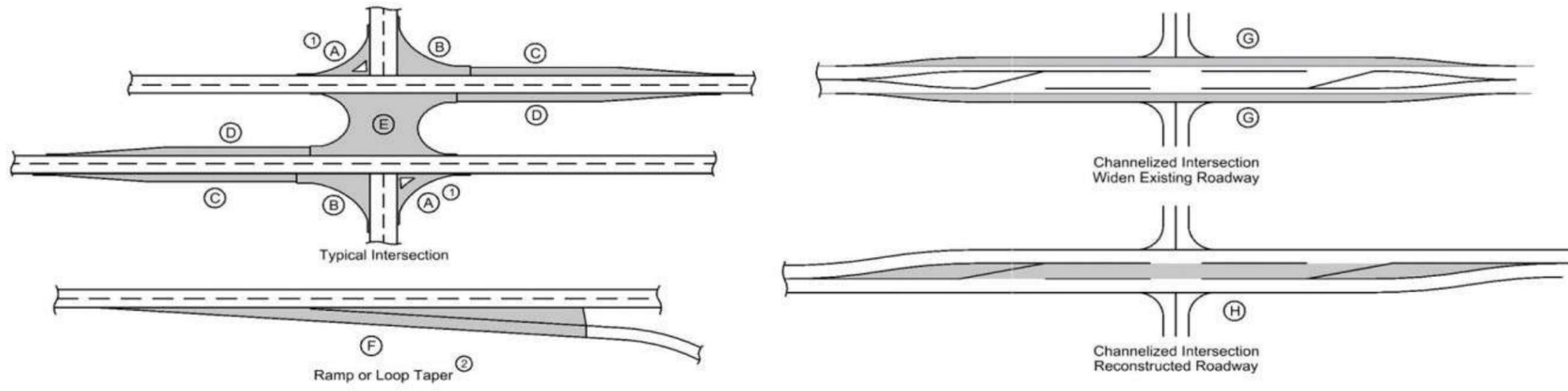
**PCC PAVEMENT**



- (1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantiti
- (2) Refer to PV-410, PV-411, PV-412, and PV-
- (3) Quantity includes Pavement Hea

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area by Thickness - Thickness(IN)	Area by Thickness - Area (SY)	Polymer Grid (SY)	Special Backfill (TON)	Modified Subbase (CY)	Granular Subbase (SY)	Remarks
342nd	EB		73+50.00	22.0	7350.00	17966.70			6.0	17966.7					
			73+50.00	6.0	7350.00	4900.00			8.0	4900.0					3' widened shoulder each side
FIR	NB	73+50.00	166+12.00	22.0	9262.00	22640.40			7.0	22640.4					
		73+50.00	166+12.00	6.0	9262.00	6174.70			8.0	6174.7					3' paved shoulders each side
		166+12.00	166+66.00	28.0	54.00	168.00		119.00	8.0	287.0			47.80		HIGHWAY 9 INTERSECTION
<b>Total:</b>					<b>33278</b>	<b>51849.8</b>		<b>119</b>		<b>51968.8</b>			<b>47.8</b>		

HMA PAVEMENT



- (1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantit
- (2) Refer to PV-410, PV-411, PV-412, and PV-
- (3) Quantity includes Pavement Hea

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	HMA Pavement Surface (TONS)	HMA Pavement Surface (SY)	HMA Pavement Base (TONS)	HMA Pavement Base (SY)	Binder Surface (TONS)	Binder Base (TONS)	Pavement Scarification (SY)	Remarks
342nd St	EB				50.00	111.11		88.89	33.075	200.00	33.075	200.00	1.985	1.985		Finch Avenue Approach
FIR	EB				50.00	222.22		258.33	79.471	480.55	79.471	480.55	4.768	4.768		342nd St. Approach
FIR	EB-R				50.00	133.33		162.22	40.730	295.55	32.584	295.55	2.444	1.955	53.30	6th Street
FIR	EB-L				50.00		133.33	162.20	48.873	295.53	48.873	295.53	2.932	2.932		355th St.
342nd	west	1+50.00		22.0	-150.00	366.70			60.643	366.70	40.400	366.70	3.639	2.424	122.20	Starts 150' in advance of BOP
<b>Total:</b>									<b>262.792</b>		<b>234.403</b>		<b>15.768</b>	<b>14.064</b>	<b>175.5</b>	

### PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.

\*BCY4 - Place on the same side of the roadway to match existing markings near the project.

\*\*NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.

\*\*\*MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.17	BCY6	BLC6: Broken Line Contrast (White/Black) @ 0.50	BLW4: Broken Lane Line (White) @ 0.17
CBW6: Crosswalk Bar (White) @ 10.00	CHW		CHY8: Channelizing Line (Yellow) @ 1.33
CLW6: Crosswalk Line (White) @ 2.00	DCY4		DDY4: Double Dotted Line (Yellow) @ 0.44
DLW4: Dotted Line (White) @ 0.22	D	(Yellow) @ 0.22	D ed Line (Yellow) @ 0.33
ELW6: Edge Line Right (White) @ 1.00		e Left (Yellow) @ 1.00	ELW4
MNY6: Median Nose (Yellow) @ 1.00	NPY4: No Passing Zone Line (Yellow) @ 0.84	NPY6: No Passing Zone Line (Yellow) @ 1.25	Lane Drop (White) @ 0.33
RLY4: Ramp Edge Line Left (Yellow) @ 0.67	RLY6: Ramp Edge Line Left (Yellow) @ 1.00	SLW2: Stop Line (White) @ 4.00	RLW4: Ramp Edge Line Right (White) @ 0.67
SPW4: Sloped Curb 4" (White) @ 2.16	SPW6: Sloped Curb 6" (White) @ 2.28	SPY4: Sloped Curb 4" (Yellow) @ 2.16	RLW6: Ramp Edge Line Right (White) @ 1.00
STY6: Standard Curb 6" (Yellow) @ 2.03	YLW2: Yield Line (White) @ 1.15		SLW4: Solid Lane Line (White) @ 0.67

Line No.	Road ID	Station From	Station To	Lane	Marking Type	Left	Center	Right	BCY4* (STA)	BCY4* Factored (STA)	DCY4 (STA)	DCY4 Factored (STA)	ELW4 (STA)	ELW4 Factored (STA)	NPY4** (STA)	NPY4** Factored (STA)	Remarks
1.0	FIR		162+66.00	EB	Waterborne/Solvent Paint			X					162.66	108.98			
2.0	FIR		162+66.00	EB	Waterborne/Solvent Paint	X							162.66	108.98			
3.0	FIR		2+95.00	EB	Waterborne/Solvent Paint		X		2.95	0.50							
4.0	FIR	2+95.00	15+07.00	EB	Waterborne/Solvent Paint		X				12.12	16.24					
5.0	FIR	15+07.00	17+64.00	EB	Waterborne/Solvent Paint		X								2.57	2.16	
6.0	FIR	17+64.00	115+29.00	EB	Waterborne/Solvent Paint		X		97.65	16.60							
7.0	FIR	115+29.00	118+99.00	EB	Waterborne/Solvent Paint		X								3.70	3.11	
8.0	FIR	118+99.00	119+99.00	NB	Waterborne/Solvent Paint		X		1.00	0.17							
9.0	FIR	119+99.00	123+59.00	NB	Waterborne/Solvent Paint		X								3.60	3.02	
10.0	FIR	123+59.00	125+49.00	NB	Waterborne/Solvent Paint		X		1.90	0.32							
11.0	FIR	125+49.00	129+66.00	NB	Waterborne/Solvent Paint		X								4.17	3.50	
12.0	FIR	129+66.00	154+42.00	NB	Waterborne/Solvent Paint		X		24.76	4.21							
13.0	FIR	154+42.00	162+66.00	NB	Waterborne/Solvent Paint						8.24	11.04					
<b>Total:</b>									<b>21.8</b>		<b>27.28</b>		<b>217.96</b>		<b>11.79</b>		