Letting Date DECEMBER 15, 2026

WOODBURY COUNTY

HMA RESURFACING

PROJECT NO: L-160--73-97

TOTAL SHEETS - 4

Project Number: L-160--73-97

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.

TABULATION OF UTILITIES

NO UTILITIES ARE EXPECTED TO BE ENCOUNTERED OR MOVED BUT CONTRACTOR SHALL DO ONE CALL 30 DAYS PRIOR TO CONSTRUCTION

TRAFFIC CONTROL PLAN

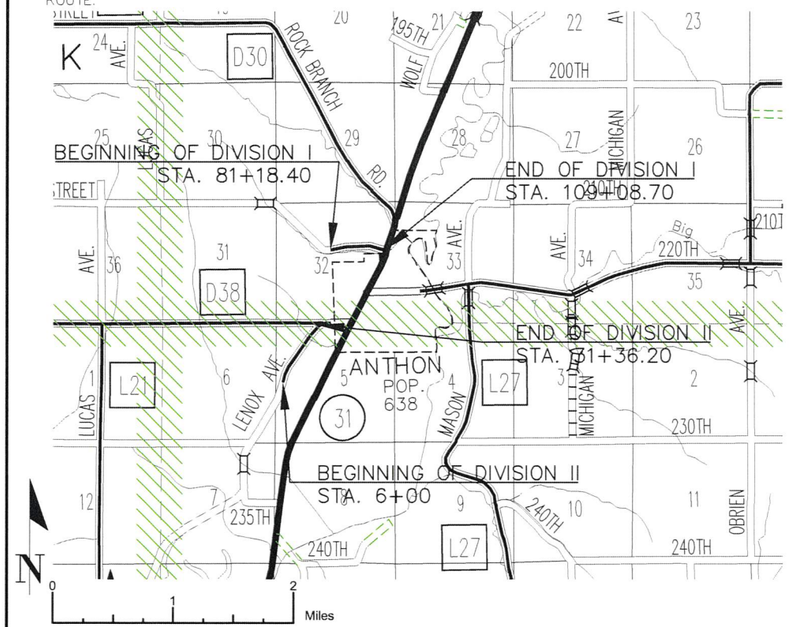
THIS ROAD WILL BE CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION. LOCAL TRAFFIC TO ADJACENT PROPERTIES WILL BE MAINTAINED AS PROVIDED FOR IN ARTICLE 1107.08 OF THE CURRENT STANDARD SPECIFICATIONS. TRAFFIC CONTROL DEVICES, PROCEDURES, LAYOUTS, AND SIGNING INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL 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.

ALL SAFETY CLOSURES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR.

MAINTENANCE OF SIGNS, BARRICADES AND SAFETY CLOSURES AS STATED IN ARTICLE 1107.09 SHALL APPLY ON THIS PROJECT.

ROAD CLOSURES ON THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN ACCORDANCE WITH ROAD STANDARD TC-252. NO PEDESTRIAN FACILITIES ARE PRESENT.

WOODBURY COUNTY WILL ESTABLISH AND MAINTAIN THE DETOUR ROUTE.



IOWA DEPARTMENT OF TRANSPORTATION

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

SECONDARY ROAD SYSTEM

WOODBURY COUNTY

HMA RESURFACING

PROJECT NO. L-160--73-97

REFER TO THE PROPOSAL FOR LIST OF APPLICABLE SPECIFICATIONS

On Lenox Ave. NE 0.4 miles to D38 and 210th St 0.5 mi W of IA 31

INDEX OF SHEETS

No.	Description
1	TITLE SHEET
2	ESTIMATE OF QUANTITIES AND REFERENCE INFORMATION
3	GENERAL NOTES, TABULATIONS, AND TYPICAL DETAILS
4	TYPICAL DETAILS

ROAD STANDARD PLANS

The following Standard Plans shall be considered applicable to construction work on this project.

Identification	Date	Identification	Date	Identification	Date
PM-110	10-15-24				
PM-120	10-15-24				
PV-10	10-20-26				
TC-252	10-21-25				

MILEAGE SUMMARY

DIV.	LOCATION	LIN. FT.	MILES
I	STA. 81+18.40 TO STA. 109+08.70	2,790.30	0.528
II	STA. 6+00 TO STA. 31+36.20	2,536.20	0.480
	TOTAL LENGTH	5326.50	1.008

LICENSED PROFESSIONAL ENGINEER
LAURA M. SIEVERS
19243
IOWA

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.

Laura M Sievers — Date 9/8/26

Iowa Registration Number 19243
Expiration Date 12/31/2026

Pages or sheets covered by this seal:
Pages 1-4

Approved

Board of Supervisors

DIV I 2023 AADT 70 V.P.D. DIV II 2023 AADT 60 V.P.D.

ESTIMATED QUANTITIES

No.	ITEM CODE	ITEM	UNIT	DIV. I	DIV. II	TOTAL	ESTIMATE REFERENCE NOTES
1.	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	144.32	181.69	326.01	PLACEMENT SHALL BE ADJUSTED TO MATCH THE EXISTING SHOULDER WIDTH ALONG THE LENGTH OF THE PROJECT. ITEM INCLUDES THE ENTIRE LENGTH OF THE PROJECT, INCLUDING ALL DRIVEWAYS. SHOULDERS ARE CALCULATED AT A WIDTH AND DEPTH SHOWN ON THE TYPICALS ON SHEET 4. THE MATERIAL SHALL INCLUDE 50% RECLAIMED HMA MATERIAL THAT PASSES A 2" SCREEN.
2.	2212-0475095	CLEANING AND PREPARATION OF BASE	MILES	0.528	0.480	1.008	
3.	2214-5145150	PAVEMENT SCARIFICATION	SQ. YDS.	6,820.73	6,199.60	13,020.33	THIS ITEM SHALL INCLUDE MILLING A DEPTH OF 2" AT A 2% SLOPE THE ENTIRE PROJECT LENGTH. SCARIFIED MATERIAL SHALL BE BLENDED IN WITH ITEM 1, GRANULAR SHOULDERS, EXTRA MATERIAL IS TO BE HAULED OFF AND BECOMES PROPERTY OF WOODBURY COUNTY.THE CONTRACTOR SHALL PLACE A WEDGE OF MILLINGS ALONG THE HEADERS TO MAINTAIN TRAFFIC. SEE SHEET 3 FOR DETAILS.
4.	2303-1032500	HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE 1/2 IN. MIX	TON	564	513	1,077	ASPHALTIC CEMENT SHALL BE GRADE PG 58–34S FOR THIS MIXTURE PER SECTION 1303. ASPHALTIC CEMENT TOTALS ARE BASED ON 6.00% BINDER CONTENT. FINAL DETERMINATION TO BE BASED ON MIX DESIGN. THIS MIXTURE MAY INCLUDE RECYCLED MATERIAL. MATERIAL SHALL BE PLACED IN 1 – 1½" LIFT IN THE ROADWAY. CERTIFIED PLANT INSPECTION SHALL APPLY
5.	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE C0URSE, 1/2 IN. MIX NO SPECIAL FRICTION REQUIREMENT	TON	577	519	1,096	ASPHALTIC CEMENT SHALL BE GRADE PG 58–34S FOR THIS MIXTURE PER SECTION 1303. ASPHALTIC CEMENT TOTALS ARE BASED ON 6.00% BINDER CONTENT. FINAL DETERMINATION TO BE BASED ON MIX DESIGN. THIS MIXTURE SHALL NOT INCLUDE RECYCLED MATERIAL. INCLUDES MATERIAL FOR DRIVEWAYS. MATERIAL SHALL BE PLACED IN 1 – 1½" LIFT IN THE ROADWAY. CERTIFIED PLANT INSPECTION SHALL APPLY.
6.	2303-1258343	ASPHALT BINDER, PG 58-34S, STANDARD TRAFFIC	TON	69	62	131	ITEM INTENDED FOR USE WITH BID ITEMS 4 AND 5.
7.	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LUMP SUM	0.5	0.5	1	
8.	2303-7000610	PAYMENT ADJUSTMENT INCENTIVE/DISCENTIVE FOR HMA MIXTURE LAB VOIDS (FORMULA-BY PAY FACTOR)	EACH	1,141	1,032	2,173	
9.	2303-7000620	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE FIELD VOIDS (FORMULA-BY PAY FACTOR)	EACH	1,141	1,032	2,173	
10.	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA'S	32.08	10.32	42.40	SEE TABULATION ON SHEET 3.
11.	2528-2518000	SAFETY CLOSURE	EACH	2	2	4	ROAD SHALL BE CLOSED ONLY DURING ACTIVE WORK OPERATIONS
12.	2528-8445110	TRAFFIC CONTROL	LUMP SUM	0.5	0.5	1	
13.	2533-4980005	MOBILIZATION	LUMP SUM	0.5	0.5	1	

WOODBURY COUNTY
ENGINEERS OFFICE

DRAWN BY:	DESIGNED BY:	APPROVED BY:	DATE:	REVISION	DATE:
JSG	JSG	LMS			

PROJECT DESCRIPTION: 210TH ST. AND LENOX AVE.
HMA RESURFACING

SHEET DESCRIPTION: ESTIMATE OF QUANTITIES
AND REFERENCE INFORMATION

PROJECT NO.
L-160–73-97

SHEET
2

GENERAL NOTES

CLEAN AND PREPARE SCARIFIED H.M.A. BASE IN ACCORDANCE WITH SECTION 2212.

THIS PROJECT WILL BE A QMA PROJECT IN ACCORDANCE WITH STANDARD SPECS. CONTRACTOR WILL SUBMIT TO THE COUNTY ENGINEER THE JOB MIX FORMULA AND BEGINNING AC% FOR ACCEPTANCE BEFORE ANY OPERATION INVOLVING THAT PARTICULAR JOB MIX FORMULA BEGINS.

TABULATION OF SAFETY CLOSURES

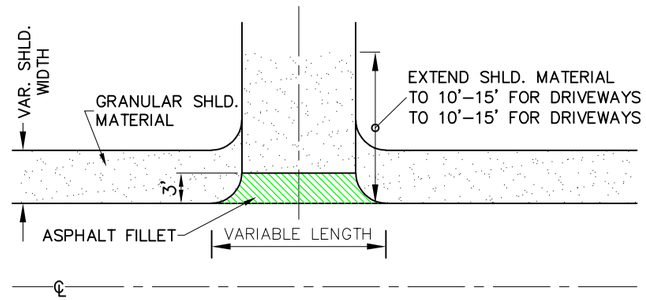
108-13A
08-01-08

Refer to Section 2518 of the Standard Specifications

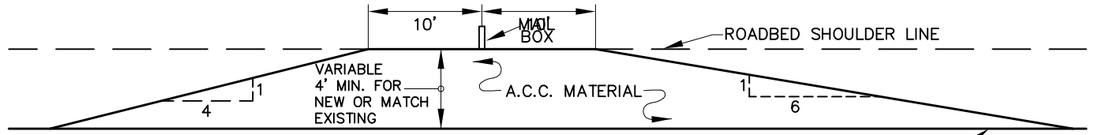
Station	Closure Type		Remarks
	Road Quantity	Hazard Quantity	
52+31.21	1.0		DIVISION I
109+08.70	1.0		DIVISION I
−29+60.22	1.0		DIVISION II
31+36.20	1.0		DIVISION II
Totals	4		

TABULATION OF PAVEMENT MARKINGS

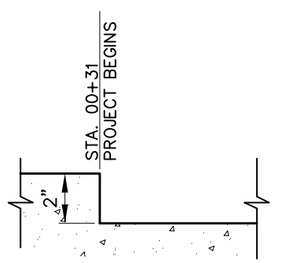
DIVISION	LOCATION	SIDE			LENGTH IN STATIONS				
	STATION TO STATION	LT.	CL.	RT.	SOLID WHITE EDGE LINE	YELLOW CENTER LINE BROKEN	YELLOW CENTER LINE SOLID	STOP BAR SOLID WHITE LINE	
I	STA. 81+18.4 TO 109+08.7		X			9.83	45.06	1	
II	STA. 6+00 TO 31+36.2		X			24.5	8.85	1	
	WIDTH FACTORS				0.67	0.17	0.67	0.22	
I	210TH ST. TOTALS					1.67	30.19	0.22	
II	LENNOX AVE. TOTALS					4.17	5.93	0.22	
	TOTALS				0	5.84	36.12	0.44	42.40



DETAILS OF DRIVEWAY AND FIELD ENT. FILLET



PLAN VIEW
TYPICAL MAIL BOX TURNOUT



BEGINNING OF PROJECT MILLING

WOODBURY COUNTY
ENGINEERS OFFICE

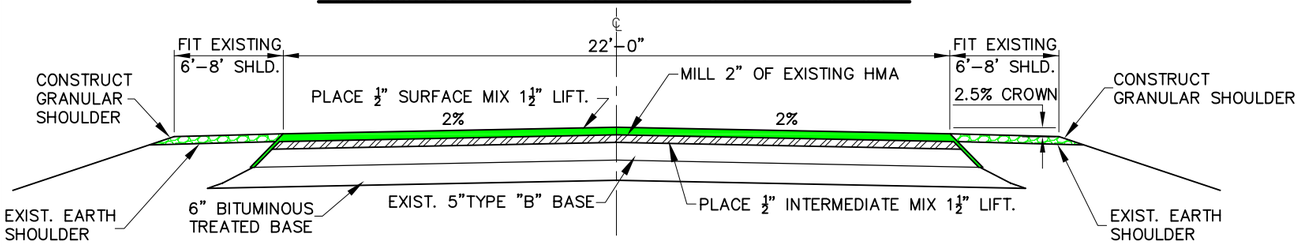
JSG DRAWN BY:
JSG DESIGNED BY:
LMS APPROVED BY:
DATE: REVISION DATE:

PROJECT DESCRIPTION: 210TH ST. AND LENOX AVE. HMA RESURFACING

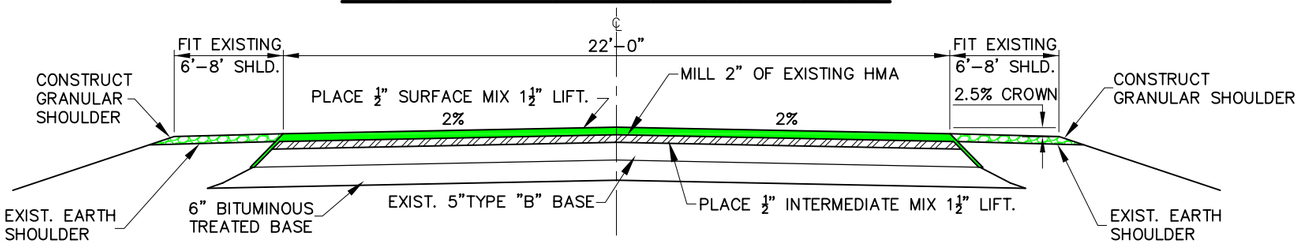
SHEET DESCRIPTION: GENERAL NOTES, TABULATIONS, AND TYPICAL DETAILS

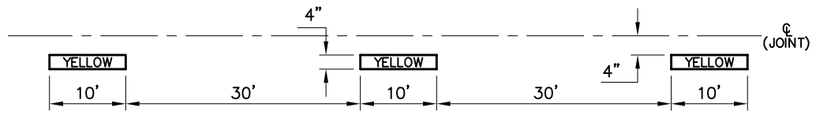
PROJECT NO.
L-160-73-97
SHEET
3

TYPICAL CROSS SECTION
THROUGH DIV I. STA. 81+18.4 TO STA. 109+08.7

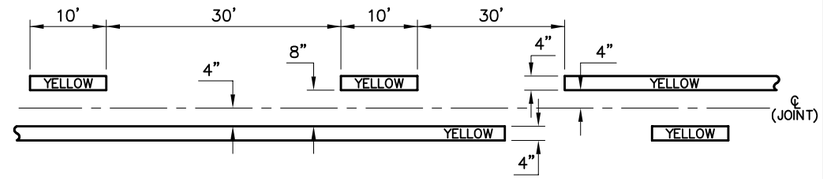


TYPICAL CROSS SECTION
THROUGH DIV II. STA. 6+00 TO STA. 31+36.2

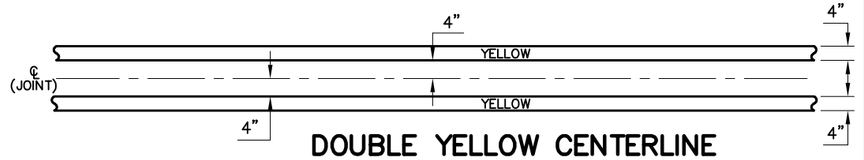




YELLOW CENTERLINE [BROKEN] ON P.C.C. SURFACE



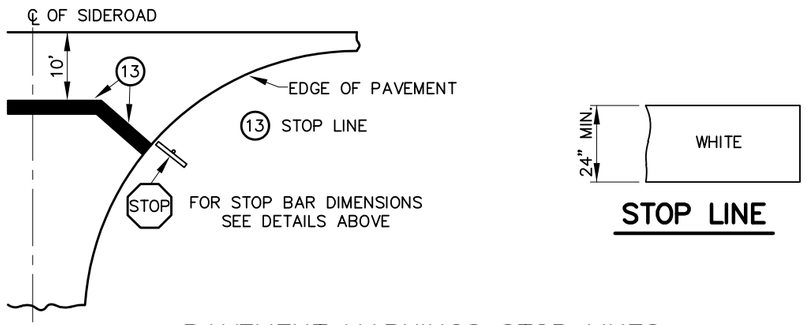
NO–PASSING ZONE LINE ON P.C.C. SURFACE



DOUBLE YELLOW CENTERLINE



WHITE EDGELINE



PAVEMENT MARKINGS STOP LINES

STOP LINE

WOODBURY COUNTY
ENGINEERS OFFICE

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JSG DESIGNED BY:
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PROJECT DESCRIPTION: 210TH ST. AND LENOX AVE. HMA RESURFACING

SHEET DESCRIPTION: TYPICAL DETAILS

PROJECT NO.
L-160–73-97
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4