LETTING DATE **12-15-26**

HMA JOINT & CRACK SEALING
MP-030-6(730)250--76-57

LINN COUNTY

IOWA DOT

REVISIONS

TOTAL 9
PROJECT IDENTIFICATION NUMBER
26-57-030-030
PROJECT NUMBER
MP-030-6(730)250--76-57
R.O.W. PROJECT NUMBER

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

LINN COUNTY

HMA JOINT & CRACK SEALING

In Cedar Rapids, from Edgewood Road SW to 6th Street SW

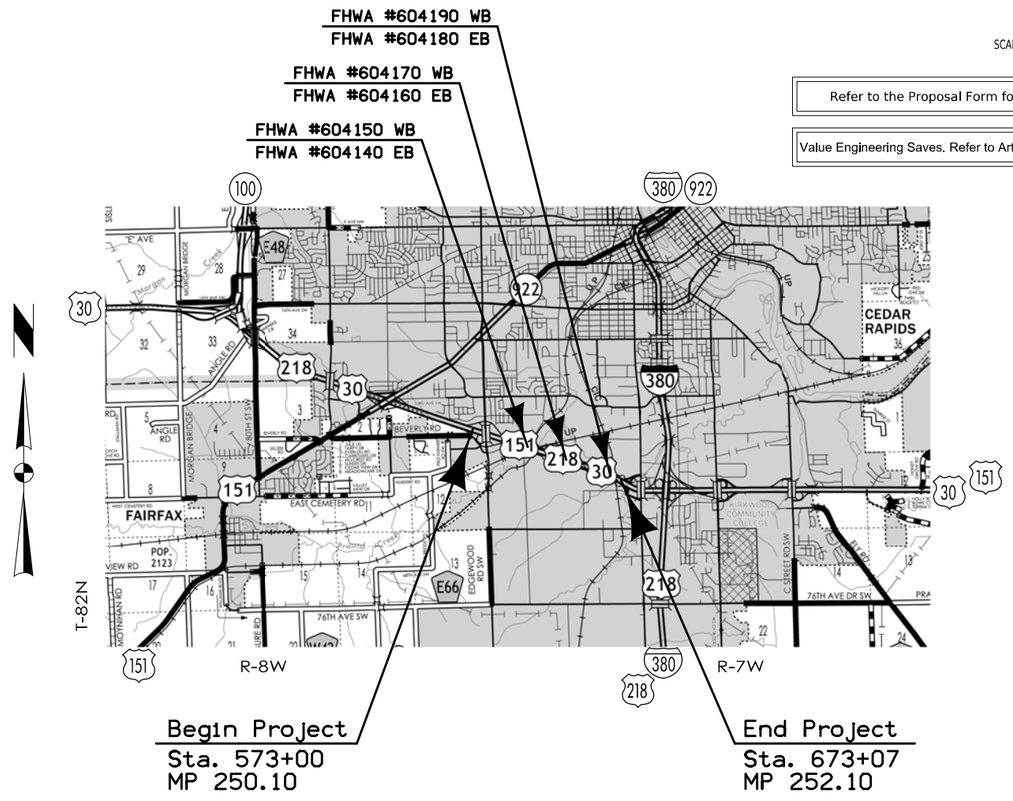
SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.13 of the Specifications.

INDEX OF SHEETS

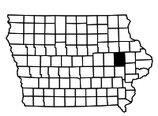
No.	DESCRIPTION
A Sheet	Title Sheet
A.1	Title Sheet
C Sheets	Quantities and General Information
C.1 - 3	Quantities and General Information
J Sheets	Traffic Control
J.1 - 3	Traffic Control Plan
U Sheets	Detail Sheets
U.1 - 2	Detail Sheets



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LOCATION MAP SCALE
0 1 2 3
Miles

DESIGN DATA URBAN

2024	AADT	32,400	V.P.D.
20 --	AADT	–	V.P.D.
20 --	DHV	–	V.P.H.
TRUCKS		10	%
Total Design ESALs		–	

ROADWAY DESIGN

LICENSED PROFESSIONAL ENGINEER
Seth M. Kjormoe
24111
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.

Signature — Date: 9/30/26

Seth M. Kjormoe
Printed or Typed Name

My license renewal date is December 31, 2026

Pages or sheets covered by this seal: ALL

FILE NO.	ENGLISH	DESIGN TEAM Kjormoe/Holub	LINN COUNTY	PROJECT NUMBER MP-030-6(730)250--76-57	SHEET NUMBER A.1

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ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : MP-030-6(730)250--76-57

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
1	2528-8445110	TRAFFIC CONTROL	LS	1	Refer to Tab. 108-23A for restricted working hours.
2	2533-4980005	MOBILIZATION	LS	1	
3	2541-1004011	CRACK AND JOINT CLEANING AND SEALING (HMA SURFACES)	MILE	5.1	Refer to the location map for project limits. Refer to the U sheets for typical cross sections. The quantity includes 3.8 miles of 2 lane pavement and 1.3 miles of ramp and loop pavement. Ramps included for measurement are at the Edgewood Road interchange. Paved shoulders shall be included, but the length of paved shoulder, regardless of width, will not be measured separately. Omit PCC pavement.
4	2541-1005001	SEALER MATERIAL (HMA SURFACES)	LB	12,240	

105_04
10/20/26

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
SI-881	10-20-26	Special Signs for Workzones
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-402	04-18-23	Work Within 15 ft of Traveled Way
TC-416	10-15-19	Partial Lane Closure on Ramps
TC-418	04-18-23	Lane Closure on Divided Highway
TC-420	10-16-18	Lane Closure at Ramps

262_06
9/28/22

UTILITIES (NOT A POINT 25 PROJECT)

This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.

108_23A
8/15/22

TRAFFIC CONTROL PLAN

1. Through traffic will be maintained on the project at all times.

2. RESTRICTED WORK HOURS - NIGHT WORK REQUIRED
   Lane closures on mainline and partial-lane closures on ramps will be permitted ONLY from 7:00 p.m. to 6:00 a.m. beginning at 7:00 p.m. on Sunday and ending at 6:00 a.m. on Friday.
   Lane closures on mainline and partial-lane closures on ramps outside of these hours will not be permitted.

3. The contractor shall provide 5 days advance notice to the City of Cedar Rapids Traffic Engineering Department prior to beginning work on the Edgewood Road interchange ramps to enable the city to adjust signal timing, if needed.

111_01
10/14/22

COORDINATED OPERATIONS

Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

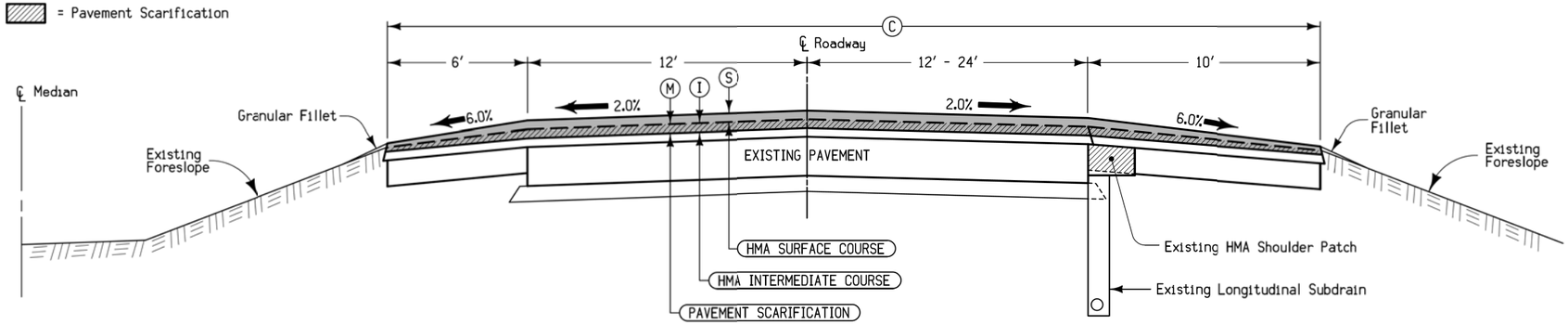
Project	Type of Work
MP-030-6(719)235--76-06	PCC Patching

511 TRAVEL RESTRICTIONS

Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No. or Structure ID or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
US 30	WB	Linn	1.9 miles west of junction with I-380	UP Railraod, 21st Street SW, Prairie Creek	Traffic Control Device	5750.8L030	Horizontal	40'	13'	N/A		FHWA #604150
US 30	EB	Linn	1.9 miles west of junction with I-380	UP Railraod, 21st Street SW, Prairie Creek	Traffic Control Device	5750.8R030	Horizontal	40'	13'	N/A		FHWA #604140
US 30	WB	Linn	1.2 miles west of junction with I-380	CIC Railroad	Traffic Control Device	5751.6L030	Horizontal	40'	13'	N/A		FHWA #604170
US 30	EB	Linn	1.2 miles west of junction with I-380	CIC Railroad	Traffic Control Device	5751.6R030	Horizontal	40'	13'	N/A		FHWA #604160
US 30	WB	Linn	0.7 mile west of junction with I-380	CIC Railroad	Traffic Control Device	5752.0L030	Horizontal	42'	13'	N/A		FHWA #604190
US 30	EB	Linn	0.7 mile west of junction with I-380	CIC Railroad	Traffic Control Device	5752.0R030	Horizontal	40'	13'	N/A		FHWA #604180

= HMA Resurfacing

= Pavement Scarification



Notes:

① Section may be modified as directed by the Engineer through areas of special shaping.
Refer to tabulation listing of superelevated curves and Standard Road Plans for additional requirements through superelevated curves.

② Tack Coat estimated for 2 applications. Not a bid item.

TABLE OF DESIGN QUANTITIES Per Station

LOCATION			Ⓢ	Ⓘ	Ⓜ	Ⓒ	TACK COAT	ASPHALT BINDER	HOT MIX ASPHALT (Tons)		PAVEMENT SCARIFICATION	GRANULAR FILLET (Tons)		REMARKS
ROAD ID	STATION TO STATION		Inches	Inches	Inches	Feet	Gallons ②	Tons	SURFACE	INTERMEDIATE	SY	MED	OUT	
Eastbound														
US 30	573+00	578+30	2.0	2.0	2.0	40	44.5	6.1	51.7	50.0	445	5	5	Median Crossing to Ramp
US 30	578+30	593+80	2.0	2.0	2.0	70 - 40	Var	Var	Var	Var	Var	5	5	Ramp to Ramp
US 30	593+80	603+05	2.0	2.0	2.0	76 - 40	Var	Var	Var	Var	Var	5	5	Ramp to End Taper
US 30	603+05	607+23	2.0	2.0	2.0	40	44.5	6.1	51.7	50.0	445	5	5	End Ramp to Bridge Approach
US 30	619+07	650+74	2.0	2.0	2.0	40	44.5	6.1	51.7	50.0	445	5	5	Bridge Approach to Bridge Approach
US 30	655+47	671+50	2.0	2.0	2.0	40	44.5	6.1	51.7	50.0	445	5	5	Bridge Approach to Bridge Approach
Westbound														
US 30	573+00	594+90	2.0	2.0	2.0	40	44.5	6.1	51.7	50.0	445	5	5	Median Crossing to Ramp
US 30	594+90	603+90	2.0	2.0	2.0	80 - 40	Var	Var	Var	Var	Var	5	5	Ramp to End Ramp
US 30	603+90	608+50	2.0	2.0	2.0	40	44.5	6.1	51.7	50.0	445	5	5	Ramp to Bridge Approach
US 30	619+07	649+62	2.0	2.0	2.0	40	44.5	6.1	51.7	50.0	445	5	5	Bridge Approach to Bridge Approach
US 30	654+35	673+07	2.0	2.0	2.0	40	44.5	6.1	51.7	50.0	445	5	5	Bridge Approach to Bridge Approach

DESIGN RATES	
ITEM	RATE
Surface Course	155 lbs./cu. ft.
Intermediate Course	150 lbs./cu. ft.
Tack Coat	0.05 gal./sq. yd.

PROPOSED CROSS SECTION
HMA RESURFACING

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

FILE NO.	ENGLISH	DESIGN TEAM Storey/Holub		LINN COUNTY	PROJECT NUMBER NHSX-030-7(219)--3H-57	SHEET NUMBER B.1	

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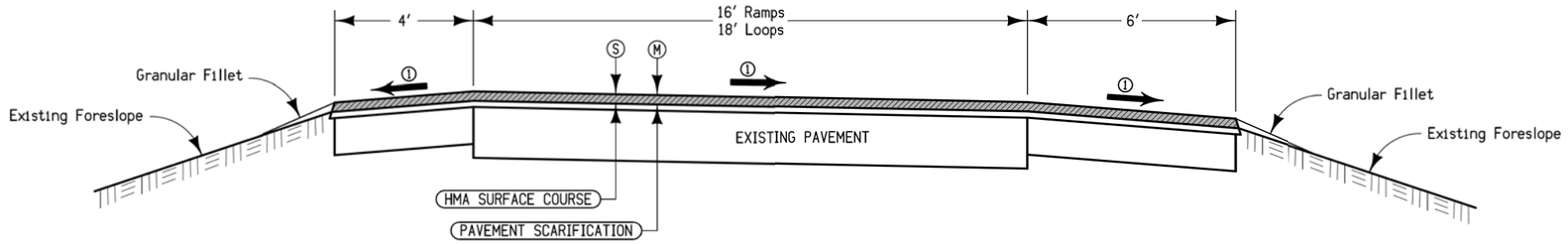
FILE NO.	ENGLISH	DESIGN TEAM **Kjormoe/Holub**		**LINN** COUNTY	PROJECT NUMBER **MP-030-6(730)250--76-57**	SHEET NUMBER **U.1**	

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RAMP-1

= HMA Resurfacing

= Pavement Scarification



Notes:

① Finished slope shall match existing pavement. Section may be modified as directed by the Engineer through areas of special shaping.

② Tack Coat estimated for 1 application. Not a bid item.

③ 95% minimum density for surface course.

④ Includes turn lane at Edgewood Road.

⑤ Includes turn lanes at Edgewood Road.

TABLE OF DESIGN QUANTITIES Per Station

LOCATION		Ⓢ	Ⓜ	LENGTH	TACK COAT	ASPHALT BINDER	HOT MIX ASPHALT (Tons)	PAVEMENT SCARIFICATION	GRANULAR FILLET (Tons)		REMARKS
ROAD ID	DESCRIPTION	Inches	Inches	Feet	Gallons ②	Tons	SURFACE	SY	LT	RT	
Eastbound											
US 30	Loop from Edgewood Road to EB US 30	2.0	2.0	160	15.6	2.2	36.2	311	2.5	2.5	
US 30	Loop from Edgewood Road to EB US 30	2.0	2.0	75	15.6	2.2	36.2	311	2.5	2.5	
US 30	Ramp from EB US 30 to Edgewood Road	2.0	2.0	1800	14.5	2.0	33.6	289	2.5	2.5	④
US 30	Ramp from Edgewood Road to EB US 30	2.0	2.0	1900	14.5	2.0	33.6	289	2.5	2.5	
Westbound											
US 30	Ramp from Edgewood Road to WB US 30	2.0	2.0	1185	14.5	2.0	33.6	289	2.5	2.5	
US 30	Ramp from WB US 30 to Edgewood Road	2.0	2.0	1760	14.5	2.0	33.6	289	2.5	2.5	⑤

DESIGN RATES	
ITEM	RATE
Surface Course	155 lbs./cu. ft.
Tack Coat	0.05 gal./sq. yd.

TYPICAL CROSS SECTION HMA RESURFACING RAMPS AND LOOPS

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

FILE NO.	ENGLISH	DESIGN TEAM Storey/Holub	LINN COUNTY	PROJECT NUMBER NHSX-030-7(219)--3H-57	SHEET NUMBER B.2	

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FILE NO.	ENGLISH	DESIGN TEAM **Kjormoe/Holub**	**LINN** COUNTY	PROJECT NUMBER **MP-030-6(730)250--76-57**	SHEET NUMBER **U.2**	

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