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PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
DISTRICT 5
PAVEMENT MARKINGS - GROOVED
Various Counties and Routes in District 5

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



US 69 DECATUR

DESIGN DATA RURAL			
2026	AADT	1055	V.P.D.
20 --	AADT	--	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		10	%
Total			
Design ESALs		--	

IA 149 KEOKUK

DESIGN DATA RURAL			
2026	AADT	1305	V.P.D.
20 --	AADT	--	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		12	%
Total			
Design ESALs		--	

IA 22 KEOKUK

DESIGN DATA RURAL			
2026	AADT	1558	V.P.D.
20 --	AADT	--	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		15	%
Total			
Design ESALs		--	

IA 78 KEOKUK

DESIGN DATA RURAL			
2026	AADT	1484	V.P.D.
20 --	AADT	--	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		23	%
Total			
Design ESALs		--	

IA 92 KEOKUK

DESIGN DATA RURAL			
2026	AADT	1815	V.P.D.
20 --	AADT	--	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		19	%
Total			
Design ESALs		--	

IA 16 LEE

DESIGN DATA RURAL			
2026	AADT	1533	V.P.D.
20 --	AADT	--	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		13	%
Total			
Design ESALs		--	

US 6 MUSCATINE

DESIGN DATA RURAL			
2026	AADT	2464	V.P.D.
20 --	AADT	--	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		9	%
Total			
Design ESALs		--	

INDEX OF SEALS			
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	Jared Roberts	Primary Signature Block	C.1

ROADWAY DESIGN

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.

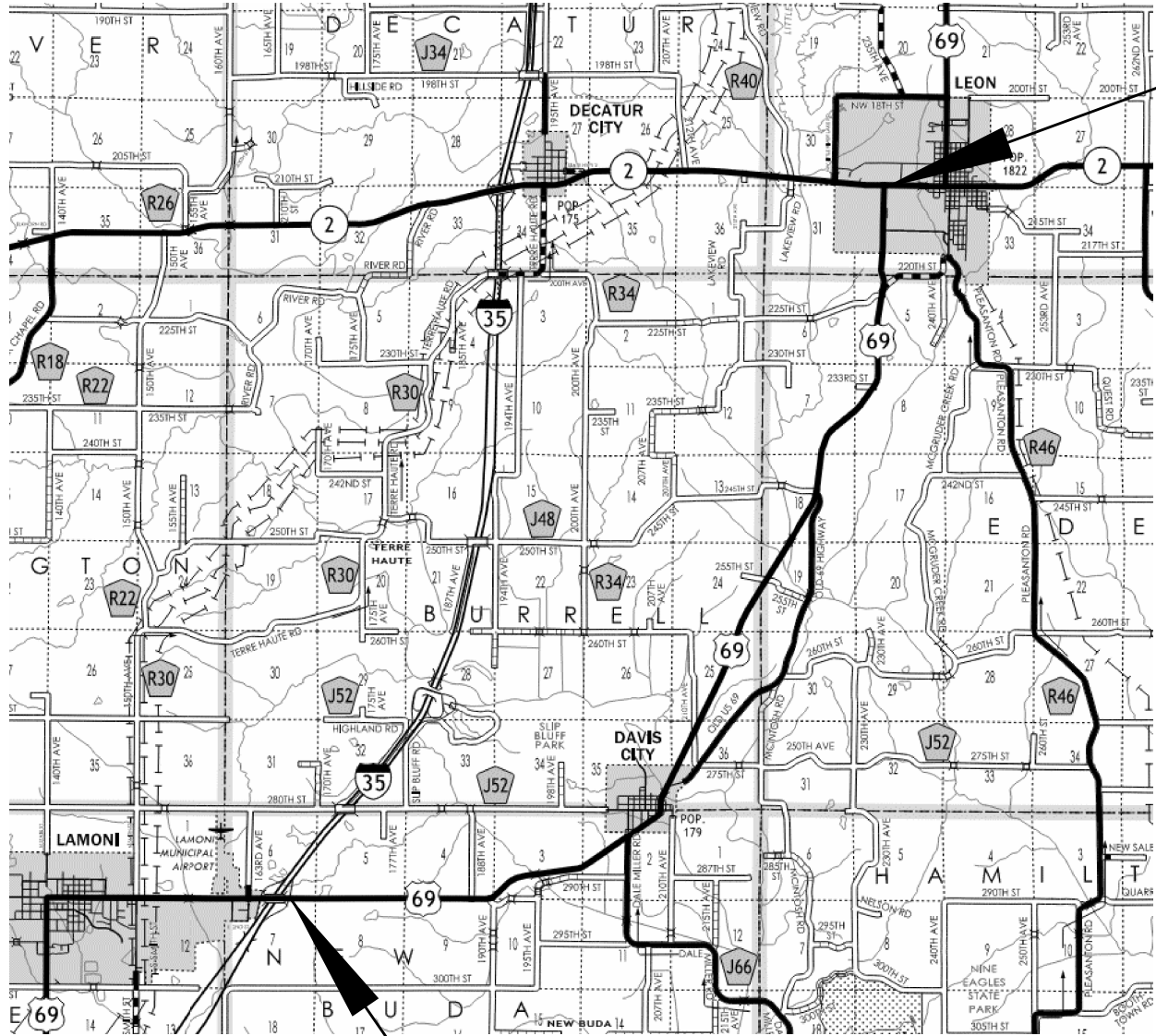
Jared A. Roberts 6-26-2026
Signature Date

JARED A. ROBERTS
Printed or Typed Name

My license renewal date is December 31, 2026

Pages or sheets covered by this seal: ALL SHEETS

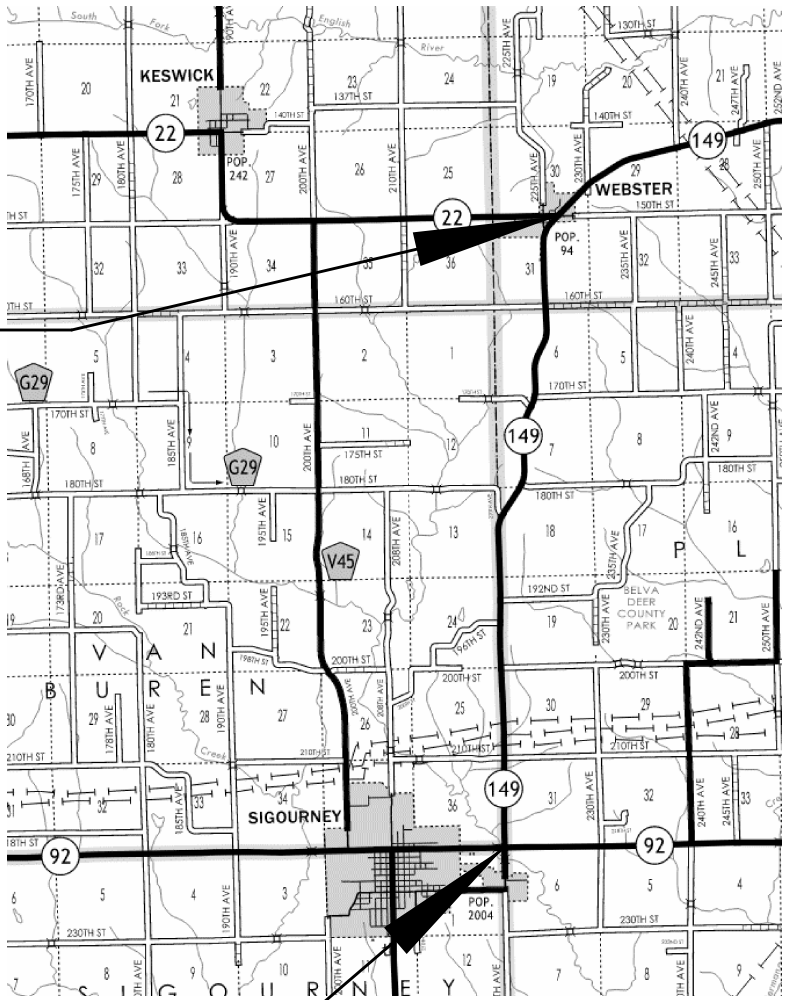
US 69 DECATUR CO



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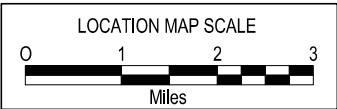
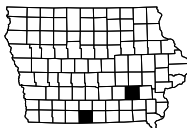
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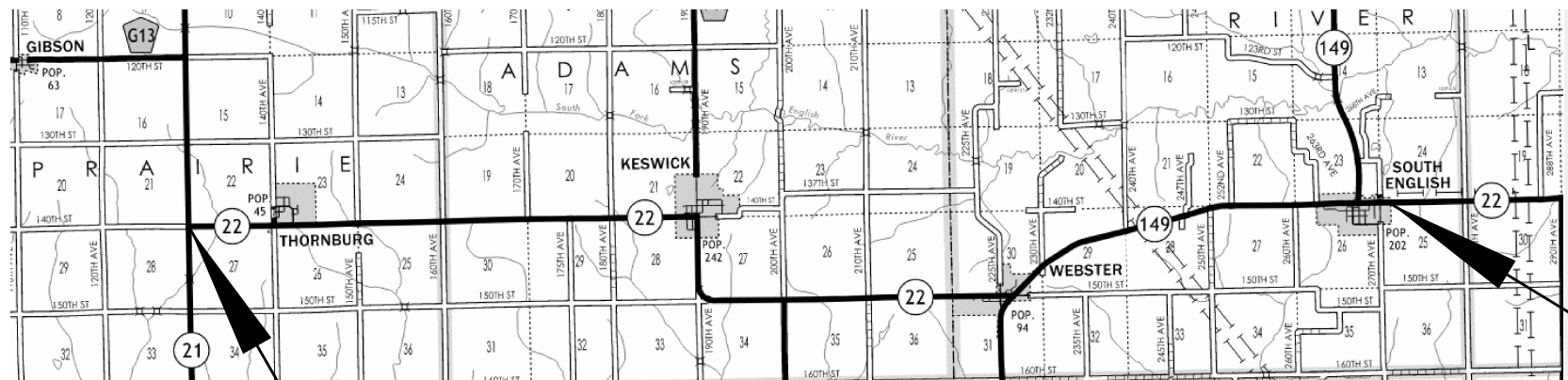


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MP 34.69



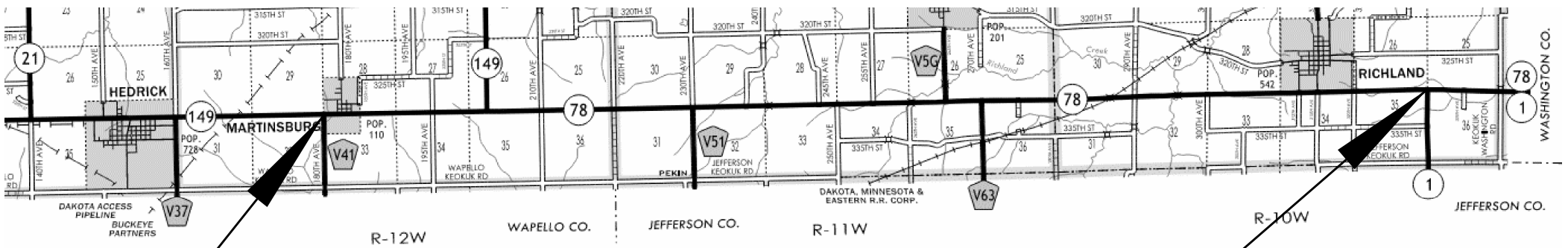
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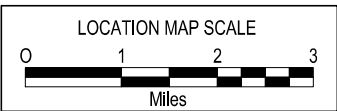
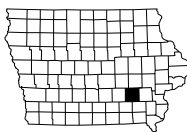
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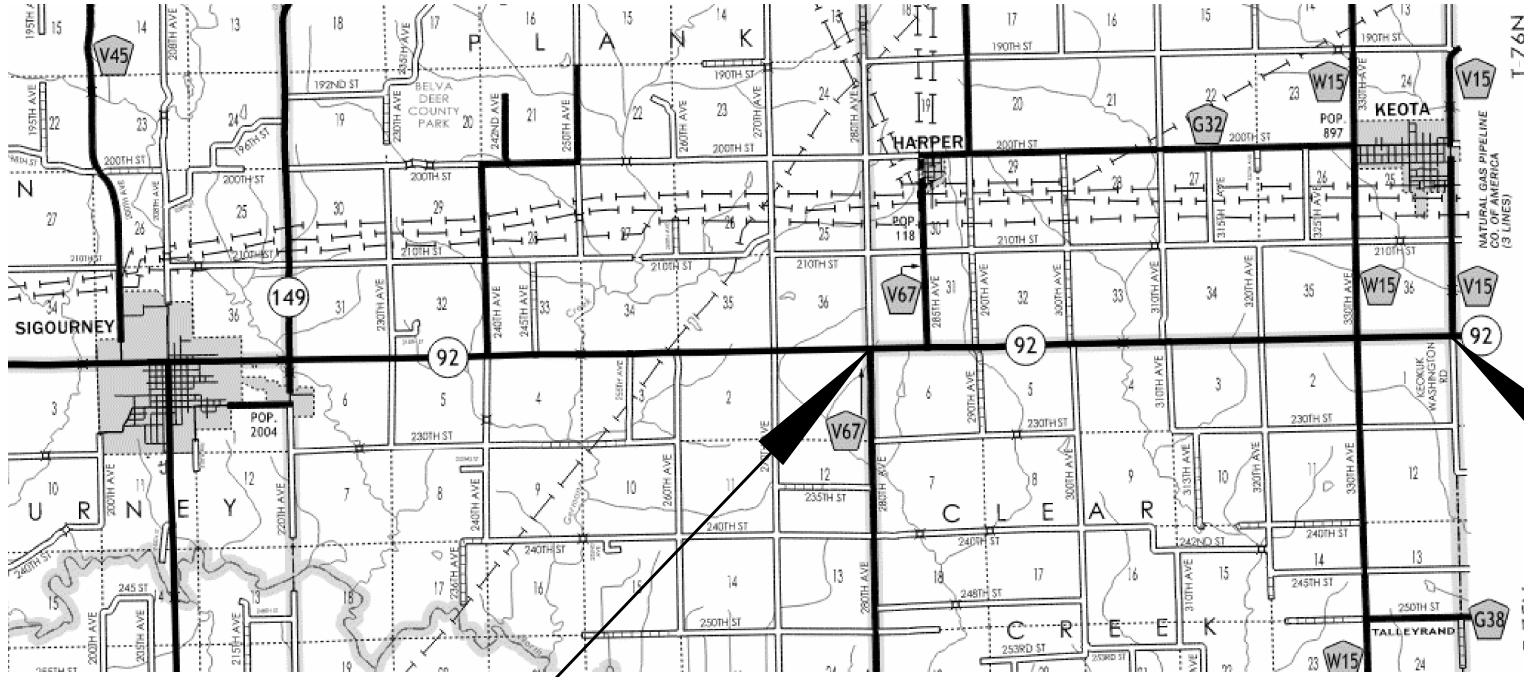


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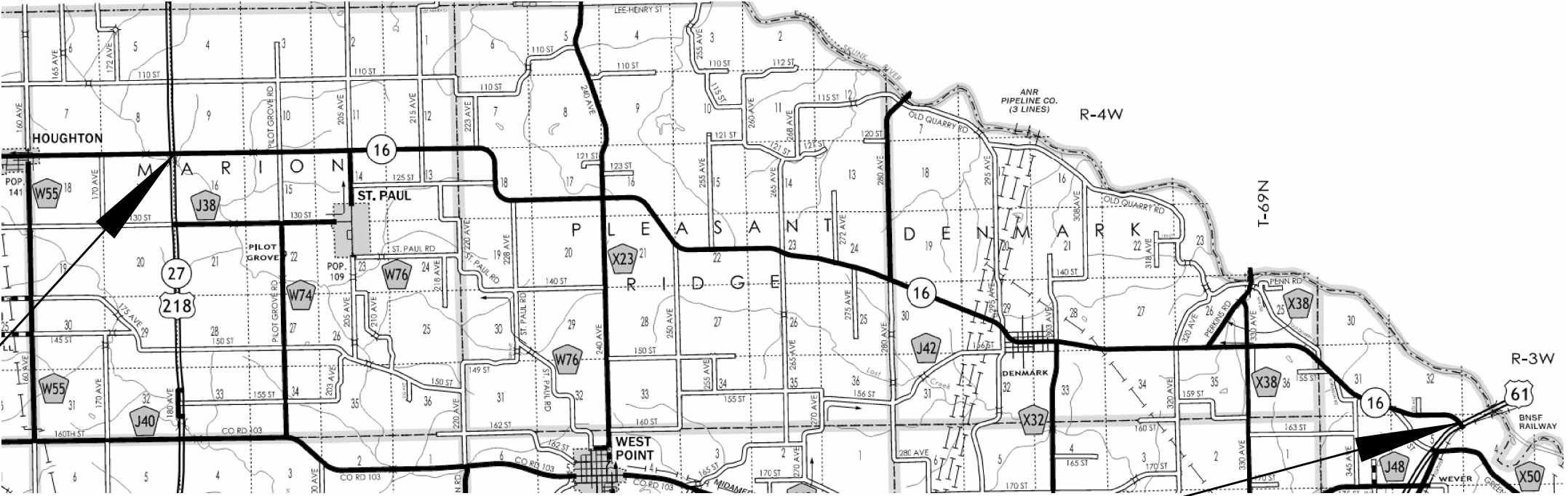
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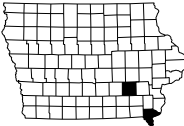
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IOWA 16 LEE CO

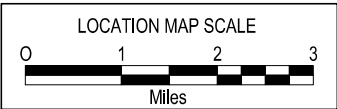
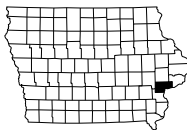
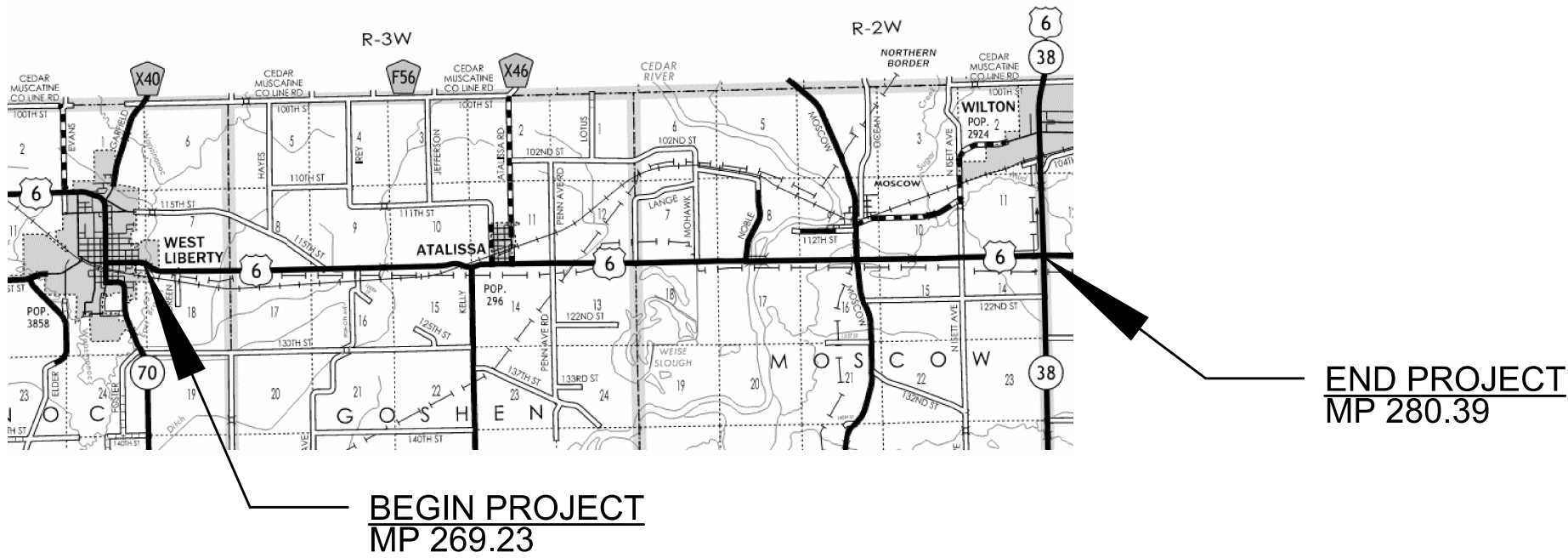


BEGIN PROJECT
MP 45.52

END PROJECT
MP 65.14



US 6 MUSCATINE CO



ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : Roadway Items

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
1	2527-9263155	PRE-CUT SYMBOLS AND LEGENDS, PREFORMED THERMOPLASTIC MARKING MATERIAL	EACH	6	Refer to Tab. 108-29 and DS-23079.
2	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	13,213.81	Refer to Tab. 108-22
3	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	9,606.86	Refer to Tab. 108-22.
4	2527-9270120	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	6	Refer to Tab. 108-29.
5	2528-8445110	TRAFFIC CONTROL	LS	1	Refer to Tab 108-23A.
6	2533-4980005	MOBILIZATION	LS	1	
7	2595-0005120	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR CHICAGO, CENTRAL AND PACIFIC RAILROAD / CEDAR RIVER RAILROAD COMPANY	LS	1	
8	2595-0005135	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR IOWA INTERSTATE RAILROAD LLC	LS	1	

100_01D
8/15/22

PROJECT DESCRIPTION

This project is located on US 69 in Decatur County, Iowa 149 in Keokuk County, Iowa 22 in Keokuk County, Iowa 78 in Keokuk County, Iowa 92 in Keokuk County, Iowa 16 in Lee County, and US 6 in Muscatine County.

The work includes the application of grooved-in waterborne or solvent-based pavement markings, as well as grooved-in symbols and legends with thermoplastic pavement markings.

105_04 4/21/26 STANDARDS The following Standards apply to construction work on this project.		
Number	Date	Title
PM-110	10-15-24	Line Types
PM-111	04-21-20	Symbols and Legends
PM-115	04-15-25	Grooving for Line Types
PM-116	04-16-24	Grooving for Symbols and Legends
PM-120	10-15-24	Stop Lines and Islands
PM-210	10-15-24	Separation in Two-Lane Roadway
PM-240	10-15-24	Railroad Crossing on Two-Lane Roadway
PM-420	10-15-24	Two-Lane Roadway with no Turn Lanes (One-Way Stop Condition)
PM-520	10-15-24	Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
PM-521	10-15-24	Two-Lane Roadway with Right Turn Lanes
PM-522	10-15-24	Two-Lane Roadway with Left Turn Lanes
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-231	04-18-23	Slow Moving Vehicle Operating in the Traffic Lane
TC-233	10-17-17	Pavement Marking Operations Two-Lane

EXISTING PAVEMENT																				102_05 9/29/23
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	Remarks	
Decatur	US-69	Both	6.85	10.75	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips	
Decatur	US-69	Both	6.85	10.75	2017	M	MP-069-5(706)0--76-27	PCC	14.0										PCC Patching	
Decatur	US-69	Both	6.85	10.75	2017	M	MP-069-5(705)6--76-27												HMA Crack Filling	
Decatur	US-69	Both	6.85	10.75	2009		STP-69-1(38)--2C-27	HMA	1.5	HMA	1.5					DR. JEFFRIES	C.LST.			
Decatur	US-69	Both	6.85	10.75	1993		MP-69-5(5)0--76-27	BSC												
Decatur	US-69	Both	6.85	10.75	1988		MP-69-5(3)0--76-27	BSC												
Decatur	US-69	Both	6.85	10.75	1966		FN-69-1(1)--21-27	AAC	1.0							DR. JEFFRIES	C.LST.			
Decatur	US-69	Both	6.85	10.75	1952		P-1014	BAC	1.5	TBB	1.5					FERGUSON	C.LST.			
Decatur	US-69	Both	6.85	10.75	1928		P-588A & B	PC7	7.0							LE GRAND	C.LST.	1	DUR=0	
Decatur	US-69	Both	10.75	11.28	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips	
Decatur	US-69	Both	10.75	11.28	2017	M	MP-069-5(706)0--76-27	PCC	14.0										PCC Patching	
Decatur	US-69	Both	10.75	11.28	2017	M	MP-069-5(705)6--76-27												HMA Crack Filling	
Decatur	US-69	Both	10.75	11.28	2009		STP-69-1(38)--2C-27	HMA	1.5	HMA	1.5					DR. JEFFRIES	C.LST.			
Decatur	US-69	Both	10.75	11.28	1968		NA	BAC	4.5											
Decatur	US-69	Both	10.75	11.28	1929		NA	PCC	7.0											
Decatur	US-69	Both	11.28	11.35	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips	
Decatur	US-69	Both	11.28	11.35	2017	M	MP-069-5(705)6--76-27												HMA Crack Filling	
Decatur	US-69	Both	11.28	11.35	2017	M	MP-069-5(706)0--76-27	PCC	14.0										PCC Patching	
Decatur	US-69	Both	11.28	11.35	2009	S	STP-69-1(38)--2C-27	HMA	1.5	HMA	1.5					DR. JEFFRIES	C.LST.			
Decatur	US-69	Both	11.28	11.35	1991		NA	PCC	10.0											
Decatur	US-69	Both	11.35	11.72	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips	
Decatur	US-69	Both	11.35	11.72	2017	M	MP-069-5(706)0--76-27	PCC	14.0										PCC Patching	
Decatur	US-69	Both	11.35	11.72	2017	M	MP-069-5(705)6--76-27												HMA Crack Filling	
Decatur	US-69	Both	11.35	11.72	2009		STP-69-1(38)--2C-27	HMA	1.5	HMA	1.5					DR. JEFFRIES	C.LST.			
Decatur	US-69	Both	11.35	11.72	1968		NA	BAC	2.5											
Decatur	US-69	Both	11.35	11.72	1953		NA	PCC	9.5											
Decatur	US-69	Both	11.72	15.25	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips	
Decatur	US-69	Both	11.72	15.25	2017	M	MP-069-5(705)6--76-27												HMA Crack Filling	
Decatur	US-69	Both	11.72	15.25	2017	M	MP-069-5(706)0--76-27	PCC	14.0										PCC Patching	
Decatur	US-69	Both	11.72	15.25	2009		STP-69-1(38)--2C-27	HMA	1.5	HMA	1.5					DR. JEFFRIES	C.LST.			
Decatur	US-69	Both	11.72	15.25	1988		MP-69-5(3)0--76-27	BSC												
Decatur	US-69	Both	11.72	15.25	1968		FN-69-1(6)--21-27	AAC	2.5							DR. JEFFRIES	C.LST.			
Decatur	US-69	Both	11.72	15.25	1953		FI-8(4)	PCC	9.5							WEST DES MOINES	GRAVEL	2		
Decatur	US-69	Both	15.25	18.89	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips	
Decatur	US-69	Both	15.25	18.89	2017	M	MP-069-5(706)0--76-27	PCC	14.0										PCC Patching	
Decatur	US-69	Both	15.25	18.89	2017	M	MP-069-5(705)6--76-27												HMA Crack Filling	
Decatur	US-69	Both	15.25	18.89	2009		STP-69-1(38)--2C-27	HMA	1.5	HMA	1.5					DR. JEFFRIES	C.LST.			
Decatur	US-69	Both	15.25	18.89	1993		MP-69-5(5)0--76-27	BSC												
Decatur	US-69	Both	15.25	18.89	1988		MP-69-5(3)0--76-27	BSC												
Decatur	US-69	Both	15.25	18.89	1966		FN-69-1(1)--21-27	AAC	1.0							DR. JEFFRIES	C.LST.			
Decatur	US-69	Both	15.25	18.89	1963		FN-122	AAC	2.0							EARLY CHAPPEL	C.LST.			
Decatur	US-69	Both	15.25	18.89	1928		P-588C	PC7	7.0							ALDEN	C.LST.	I	LE GRAND=0	
Keokuk	IA-149	Both	34.69	36.77	2019	S	STP-149-1(84)--2C-54	HMA	1.0	RAC	2.0			SCR	2.0				2-IN Hot-In-Place recycling	
Keokuk	IA-149	Both	34.69	36.77	1993		STP-149-1(45)--2C-54	AAC	1.5	BAC	1.5	TBB	6.0			DURHAM	C.LST.			
Keokuk	IA-149	Both	36.77	41.97	2019	S	STP-149-1(84)--2C-54	HMA	1.0	RAC	2.0			SCR	2.0				2-IN Hot-In-Place recycling	
Keokuk	IA-149	Both	36.77	41.97	1992		F-149-1(39)--20-54	AAC	1.5	BAC	1.5	TBB	8.0			KESWICK	C.LST.			
Keokuk	IA-22	Both		10.89	2023	S	STPN-022-1(10)--2J-54													
Keokuk	IA-22	Both		10.89	1998		STPN-22-1(9)--2J-54	AAC	1.5	BAC	1.5					KESWICK	C.LST.			
Keokuk	IA-22	Both		10.89	1988		MP-22-5(4)0--76-54	BSC												

102_05 9/29/23																			
EXISTING PAVEMENT																			
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	Remarks
Keokuk	IA-22	Both		10.89	1967		FN-22-1(2)--21-54	BAC	1.0	TBB	2.5					COLUMBUS JCT	C.LST.		
Keokuk	IA-22	Both		10.89	1956		FN-546 & F-546(2)	BAC	2.0	RSB	6.0	SAS	6.0			FT. DODGE MINE	C.LST.		
Keokuk	IA-22	Both	10.89	14.44	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips
Keokuk	IA-22	Both	10.89	14.44	2023	S	STPN-022-1(10)--2J-54												
Keokuk	IA-22	Both	10.89	14.44	1997		STP-149-1(46)--2C-54	AAC	3.0	TBB	8.0					WEST CHESTER	C.LST.		
Keokuk	IA-22	Both	14.44	14.92	2023	S	STPN-022-1(10)--2J-54												
Keokuk	IA-22	Both	14.44	14.92	1997		STP-149-1(46)--2C-54	AAC	3.0	TBB	8.0					WEST CHESTER	C.LST.		
Keokuk	IA-22	Both	14.92	15.36	2024	M	MP-022-5(701)15--76-54												HMA joint & crack seal
Keokuk	IA-22	Both	14.92	15.36	2019	S	STP-022-1(11)--2C-54	HMA	1.5	HMA	1.5			SCR	3.0				
Keokuk	IA-22	Both	14.92	15.36	1966		NA	BAC	6.0										
Keokuk	IA-22	Both	14.92	15.36	1956		NA	RSB	10.0										
Keokuk	IA-78	Both		13.17	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips
Keokuk	IA-78	Both		13.17	2016	S	STPN-078-1(19)--2J-54	MSS											
Keokuk	IA-78	Both		13.17	2001		STP-78-1(15)--2C-54	AAC	1.5	AAC	2.0	CIP	3.0			OLLIE	C.LST.		3 Cold-in-Place RECYCLE
Keokuk	IA-78	Both		13.17	1980		FR-78-1(6)--2G-54	BAC	1.5	TBB	1.5					OLLIE	C.LST.		
Keokuk	IA-78	Both		13.17	1966		FN-930	BAC	1.0	TBB	2.5	TBB	2.0			HARPER	C.LST.		
Keokuk	IA-78	Both		13.17	1949		F-930 & F-930(1)	BSC	1.0	RSB	6.0								
Keokuk	IA-92	Both	211.57	214.73	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips
Keokuk	IA-92	Both	211.57	214.73	2017	M	MP-092-5(705)206--76-54												HMA Crack Filling
Keokuk	IA-92	Both	211.57	214.73	2012	W	STP-092-8(27)--2C-54	HMA	2.0	HMA	2.0	HMA	5.0						
Keokuk	IA-92	Both	211.57	214.73	2012		STP-092-8(27)--2C-54	HMA	2.0	HMA	2.0			MIL	1.0				
Keokuk	IA-92	Both	211.57	214.73	1983		FR-92-8(12)--2G-54	AAC	3.0							DURHAM	C.LST.		
Keokuk	IA-92	Both	211.57	214.73	1968		F-92-8(3)--20-54	PCC	9.0							OLLIE	C.LST.	2	VAR. LOC.
Keokuk	IA-92	Both	214.73	215.57	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips
Keokuk	IA-92	Both	214.73	215.57	2017	M	MP-092-5(705)206--76-54												HMA Crack Filling
Keokuk	IA-92	Both	214.73	215.57	2012	W	STP-092-8(27)--2C-54	HMA	2.0	HMA	2.0	HMA	5.0						
Keokuk	IA-92	Both	214.73	215.57	2012		STP-092-8(27)--2C-54	HMA	2.0	HMA	2.0			MIL	1.0				
Keokuk	IA-92	Both	214.73	215.57	1990		FN-92-8(14)--21-54	AAC	3.0							OLLIE	C.LST.		
Keokuk	IA-92	Both	214.73	215.57	1968		F-92-8(3)--20-54	PCC	9.0							OLLIE	C.LST.	2	VAR. LOC.
Keokuk	IA-92	Both	215.57	217.77	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips
Keokuk	IA-92	Both	215.57	217.77	2017	M	MP-092-5(705)206--76-54												HMA Crack Filling
Keokuk	IA-92	Both	215.57	217.77	2012		STP-092-8(27)--2C-54	HMA	2.0	HMA	2.0								
Keokuk	IA-92	Both	215.57	217.77	2012	W	STP-092-8(27)--2C-54	HMA	2.0	HMA	2.0	HMA	5.0	MIL	1.0				
Keokuk	IA-92	Both	215.57	217.77	1990		FN-92-8(14)--21-54	AAC	3.0							OLLIE	C.LST.		0.58KM-70 PC
Keokuk	IA-92	Both	215.57	217.77	1976		FR-92-8(12)--2G-54	AAC	1.0							CONKLIN	C.LST.		
Keokuk	IA-92	Both	215.57	217.77	1929		P-489	PC7	7.0							MUSCATINE	GRAVEL	3	
Lee	IA-16	Both	45.52	59.1	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips
Lee	IA-16	Both	45.52	59.1	2020	M	MP-016-5(704)39--76-56												HMA joint & crack seal
Lee	IA-16	Both	45.52	59.1	2017	V	STPN-016-4(27)--2J-56	HMA	2.0					SCR	2.0				VL Spot overlays
Lee	IA-16	Both	45.52	59.1	2005		STPN-16-4(17)--2J-56	AAC	1.5	AAC	2.0	CIP	3.0			HAWKEYE	C.LST.		
Lee	IA-16	Both	45.52	59.1	1999	V	MP-16-5(701)46--76-56	AAC	2.0							GEODE	C.LST.		
Lee	IA-16	Both	45.52	59.1	1989		MP-16-5(3)46--76-5	BSC											
Lee	IA-16	Both	45.52	59.1	1976		RF-16-4(3)--35-56	BAC	1.5	TBB	1.5					HAWKEYE	C.LST.		
Lee	IA-16	Both	45.52	59.1	1956		FN-373E & FN-373C	BAC	2.0	RSB	6.0	SAS	6.0			HAWKEYE	C.LST.		
Lee	IA-16	Both	59.1	65.14	2024	M	HSIPX-000-T(360)--3L-00	GND											Milled Rumble Strips
Lee	IA-16	Both	59.1	65.14	2016	S	STPN-016-4(26)--2J-56	MSS											
Lee	IA-16	Both	59.1	65.14	2014	V	MP-016-5(702)59--76-56	HMA	1.5	HMA	1.5			MIL	3.0				
Lee	IA-16	Both	59.1	65.14	1984		FN-16-4(9)--21-56	BAC	1.5	TBB	1.5								

102_05 9/29/23																			
EXISTING PAVEMENT																			
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	Remarks
Lee	IA-16	Both	59.1	65.14	1948		F-373(9) & F-858(1	BSC	1.0	RSB	6.0					AUGUSTA	C.LST.		
Muscatine	US-6	Both	269.23	280.39	2022	S	STPN-006-8(45)--2J-70	MSS											
Muscatine	US-6	Both	269.23	280.39	2019	M	MP-006-5(702)267--76-70												HMA Crack Filling
Muscatine	US-6	Both	269.23	280.39	2018	M	MP-006-5(702)267--76-70												HMA Crack Filling
Muscatine	US-6	Both	269.23	280.39	2001		STP-6-8(28)--2J-70	AAC	1.5	BAC	1.5					MOSCOW	C.LST.		
Muscatine	US-6	Both	269.23	280.39	1975		HHS-6-8(11)--47-70	AAC	1.0							MOSCOW	C.LST.		
Muscatine	US-6	Both	269.23	280.39	1956		P-1069	AAC	1.5	AAC	1.5					MOSCOW	C.LST.		
Muscatine	US-6	Both	269.23	280.39	1930		P-635CEFH	PC7	7.0							MUSCATINE	GRAVEL	3	

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: Broken Centerline (Yellow) @ 0.25

BLC6: Broken Line Contrast (White/Black) @ 0.50

BLW4: Broken Lane Line (White) @ 0.17

BLW6: Broken Lane Line (White) @ 0.25

CBW6: Crosswalk Bar (White) @ 10.00

CHW8: Channelizing Line (White) @ 1.33

CHW10: Channelizing Line (White) @ 1.67

CHY8: Channelizing Line (Yellow) @ 1.33

CHY10: Channelizing Line (Yellow) @ 1.67

CLW6: Crosswalk Line (White) @ 2.00

DCY4: Double Centerline (Yellow) @ 1.34

DCY6: Double Centerline (Yellow) @ 2.00

DDY4: Double Dotted Line (Yellow) @ 0.44

DDY6: Double Dotted Line (Yellow) @ 0.67

DLW4: Dotted Line (White) @ 0.22

DLW6: Dotted Line (White) @ 0.33

DLY4: Dotted Line (Yellow) @ 0.22

DLY6: Dotted Line (Yellow) @ 0.33

ELW4: Edge Line Right (White) @ 0.67

ELW6: Edge Line Right (White) @ 1.00

ELY4: Edge Line Left (Yellow) @ 0.67

ELY6: Edge Line Left (Yellow) @ 1.00

LDW8: Lane Drop (White) @ 0.33

LDW10: Lane Drop (White) @ 0.42

MNY6: Median Nose (Yellow) @ 1.00

NPY4: No Passing Zone Line (Yellow) @ 0.84

NPY6: No Passing Zone Line (Yellow) @ 1.25

RLW4: Ramp Edge Line Right (White) @ 0.67

RLW6: Ramp Edge Line Right (White) @ 1.00

RLY4: Ramp Edge Line Left (Yellow) @ 0.67

RLY6: Ramp Edge Line Left (Yellow) @ 1.00

SLW2: Stop Line (White) @ 4.00

SLW4: Solid Lane Line (White) @ 0.67

SLW6: Solid Lane Line (White) @ 1.00

SPW4: Sloped Curb 4" (White) @ 2.16

SPW6: Sloped Curb 6" (White) @ 2.28

SPY4: Sloped Curb 4" (Yellow) @ 2.16

SPY6: Sloped Curb 6" (Yellow) @ 2.28

STW6: Standard Curb 6" (Yellow) @ 2.03

STY6: Standard Curb 6" (Yellow) @ 2.03

YLW2: Yield Line (White) @ 1.15

Road ID	Begin Ref. Location Sign	End Ref. Location Sign	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY6 (STA)	BCY6 Factored (STA)	CHY10 (STA)	CHY10 Factored (STA)	DCY6 (STA)	DCY6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	NPY6** (STA)	NPY6** Factored (STA)	SLW2 (STA)	SLW2 Factored (STA)	SLW6 (STA)	SLW6 Factored (STA)	Remarks
US 69	6.85	10.75	Both	Waterborne/Solvent Paint	X	X	X	Yes	411.84	34.42	8.61			77.69	155.38	411.84	411.84	93.81	117.26					
US 69	10.75	11.28	Both	Waterborne/Solvent Paint	X	X	X	Yes	84.96	7.28	1.82			11.51	23.02	55.97	55.97	9.19	11.49					Davis City
US 69	11.28	11.35	Both	Waterborne/Solvent Paint	X	X	X	Yes	14.79					3.70	7.40	7.39	7.39							Bridge E. of Davis City
US 69	11.35	11.72	Both	Waterborne/Solvent Paint	X	X	X	Yes	49.52	13.26	3.31			2.24	4.48	39.07	39.07	4.04	5.05					Bridge E. of Davis City
US 69	11.72	15.25	Both	Waterborne/Solvent Paint	X	X	X	Yes	384.62	66.34	16.59			43.84	87.68	372.77	372.77	76.20	95.25					
US 69	15.25	18.89	Both	Waterborne/Solvent Paint	X	X	X	Yes	438.83	3.63	0.91			133.26	266.52	384.38	384.38	55.30	69.13					
IA 149	34.69	36.77	Both	Waterborne/Solvent Paint	X	X	X	Yes	232.82	61.00	15.25			10.30	20.60	219.65	219.65	38.52	48.15					E. CL. Sigourney
IA 149	36.77	41.97	Both	Waterborne/Solvent Paint	X	X	X	Yes	584.02	185.07	46.27			27.71	55.42	549.12	549.12	61.78	77.23					Ending in Webster
IA 22	0.00	5.50	Both	Waterborne/Solvent Paint	X	X	X	Yes	607.34	93.35	23.34			54.78	109.56	580.80	580.80	142.27	177.84					Thornburg MM 1.0 - 1.3
IA 22	5.50	10.89	Both	Waterborne/Solvent Paint	X	X	X	Yes	659.25	120.16	30.04			41.75	83.50	569.18	569.18	122.68	153.35	0.56	2.24	0.61	0.61	Keswick 5.75-6.25, End in Webster
IA 22	10.89	14.44	Both	Waterborne/Solvent Paint	X	X	X	Yes	400.36	162.16	40.54			2.21	4.42	374.88	374.88	23.07	28.84			1.76	1.76	Ending at WCL South English
IA 22	14.44	14.92	Both	Waterborne/Solvent Paint	X	X	X	Yes	56.25	22.25	5.56					50.69	50.69	3.09	3.86					South English
IA 22	14.92	15.36	Both	Waterborne/Solvent Paint	X	X	X	Yes	64.58	14.14	3.54			6.78	13.56	46.46	46.46	2.31	2.89			1.02	1.02	South English
IA 78	0.00	4.50	Both	Waterborne/Solvent Paint	X	X	X	Yes	501.43	96.15	24.04	22.48	37.54	43.39	86.78	462.01	462.01	75.58	94.48					Ex. Edge rumble strips MM 0.00 - 0.25
IA 78	4.50	9.00	Both	Waterborne/Solvent Paint	X	X	X	Yes	491.20	26.46	6.62			67.49	134.98	475.20	475.20	126.70	158.38					
IA 78	9.00	13.17	Both	Waterborne/Solvent Paint	X	X	X	Yes	494.94	139.04	34.76	16.95	28.31	26.42	52.84	440.35	440.35	54.72	68.40			3.20	3.20	Richland - MM 11.27-11.90
IA 92	211.57	214.73	Both	Waterborne/Solvent Paint	X	X	X	Yes	340.95	83.02	20.75			22.40	44.80	333.70	333.70	61.43	76.79					
IA 92	214.73	215.57	Both	Waterborne/Solvent Paint	X	X	X	Yes	89.95	19.44	4.86			5.24	10.48	88.70	88.70	19.67	24.59					
IA 92	215.57	217.77	Both	Waterborne/Solvent Paint	X	X	X	Yes	243.40	96.98	24.25			2.20	4.40	232.32	232.32	16.98	21.23			4.39	4.39	
IA 16	45.52	50.00	Both	Waterborne/Solvent Paint	X	X	X	Yes	482.55	143.60	35.90			30.67	61.34	473.09	473.09	62.27	77.84	0.49	1.96			
IA 16	50.00	55.00	Both	Waterborne/Solvent Paint	X	X	X	Yes	538.94	102.56	25.64			70.32	140.64	528.00	528.00	91.12	113.90					
IA 16	55.00	59.10	Both	Waterborne/Solvent Paint		X	X	Yes	494.46	121.48	30.37			20.55	41.10	432.96	432.96	74.45	93.06					Denmark MM 58.10-59.10
IA 16	59.10	65.14	Both	Waterborne/Solvent Paint	X	X	X	Yes	719.54	82.94	20.74			85.59	171.18	637.82	637.82	150.38	187.98	0.61	2.44	0.50	0.50	
US 6	269.23	275.00	Both	Waterborne/Solvent Paint	X	X	X	Yes	643.48	173.15	43.29			42.27	84.54	609.31	609.31	89.24	111.55	0.48	1.92			
US 6	275.00	280.39	Both	Waterborne/Solvent Paint	X	X	X	Yes	576.84	154.60	38.65			39.50	79.00	569.18	569.18	90.49	113.11	0.54	2.16			Atalissa - MM 273.50-273.90
Total:									9606.86		505.65		65.85		1743.62		8944.84		1931.65		10.72		11.48	

Total Bid Grooving Quantity: 9,606.86 STA

Total Bid Painting Markings Quantity: 13,213.81 STA

Assumptions: There are no edge line rumble strips in place, and all edge lines in this project will be grooved.

There are centerline rumbles in all locations with the exception of secondary road connections and urban areas.

The intent of this project is to groove markings along edge lines, at secondary road connections, urban areas, and bridges with approaches. This project does not groove over existing centerline rumble strips.

The intent of this project is to place painting markings back to match the existing condition.

**NPY6 - Estimating purposes only. No Passing Zone Lines will be located in the field.

PAVEMENT MARKING SYMBOLS AND LEGENDS Refer to PM-111							108 29 4/15/25
Line No.	Roadway Identification	Station	Side	Pavement Symbol	Quantity (EA)	Groove Marking Needed?	Remarks
1.0	IA 22			RTAW	2	Yes	In Webster
2.0	IA 22			RTAW	2	Yes	In South English
3.0	US 6			RRCW	2	Yes	In Atalissa
Total:					6		

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.

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-078-5(701)0--76-54	HMA Joint & Crack Sealing
IA 22 - IA 21 to South English	HMA Joint & Crack Sealing

511 TRAVEL RESTRICTIONS												108_25 3/28/24	
Line No.	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
None Provided.													
FILE NO.	ENGLISH	DESIGN TEAM	McElmeel/Roberts			STATEWIDE	COUNTY	PROJECT NUMBER	HSIPX-000-T(458)--3L-00			SHEET NUMBER	J.3