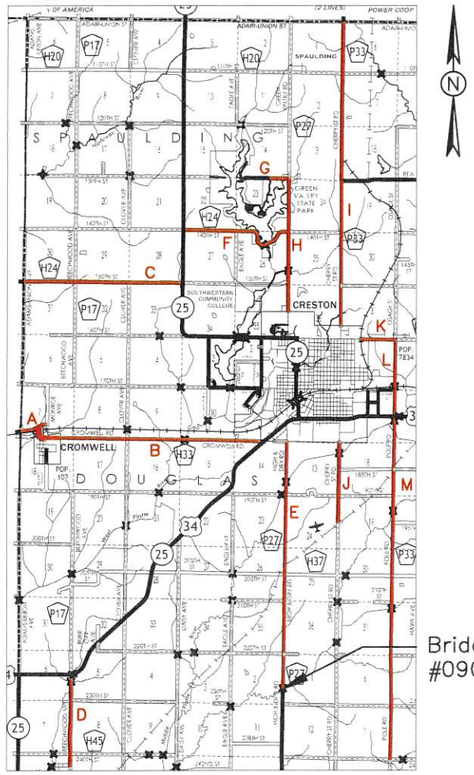
PROJECT NO. FM–C088(72)––55–88

LETTING DATE: DECEMBER 15,2026

PROJECT LOCATION
Not to Scale



IOWA | DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

FARM TO MARKET SYSTEM

UNION COUNTY

PROJECT NO. FM-C088(72)--55-88

PAVEMENT MARKINGS

ON VARIOUS PAVED COUNTY ROADS

Refer to the Proposal Form for the list of applicable specifications

Standard Road Plans are Listed on Sheet 1

TOTAL SHEETS
2

INDEX OF SHEETS	
NO.	DESCRIPTION
1	COVER SHEET
2	ESTIMATE OF QUANITIES & GENERAL INFORMATION

TRAFFIC CONTROL PLAN

ALL ROADS WILL BE OPEN TO THROUGH TRAFFIC DURING CONSTRUCTION. LOCAL TRAFFIC TO ADJACENT PROPERTIES SHALL BE MAINTAINED AS PROVIDED FOR IN ARTICLE 1107.08, OF THE CURRENT STANDARD SPECIFICATIONS.TRAFFIC CONTROL DEVICES, PROCEDURES, LAYOUTS, SIGNING, AND PAVEMENT MARKINGS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS(MUTCD) AS ADOPTED BY THGE DEPARTMENT PER 761 OF THE IOWA ADMINISTRATIVE CODE(IAC) CHAPTER 130. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH IOWA DOT STANDARD PLAN TC–233

MILEAGE SUMMARY		
PROJECT DIVISION	LOCATION	MILES
A	180th St from Adams Co line to Cemetery	0.509
B	H33 Cromwell Rd from 180th to US34	4.482
C	H24 150th St from Adams Co line to US25	2.942
D	P17 from US34 to end of pavement	1.721
E	High & Dry from Patt St south to Bridge #090170	4.739
F	H24 140th St from US25 to Green Valley Rd	2.256
G	130th St from DNR Rd to Green Valley Rd	0.378
H	Green Valley Rd from 130th to Creston City limits	2.522
I	P33 Cherry St Rd from Creston City limits to Adair Co line	5.721
J	Cherry St Road from Creston City limits to airport entryway	1.510
K	H33 Townline Rd. from railroad crossing to Osage St	0.635
L	Osage St from 160th St to US 34	1.498
M	P33 Pole Rd from US34 to 240th St	6.441

STANDARD ROAD PLANS		
THE FOLLOWING STANDARD ROAD PLANS SHALL BE CONSIDERED APPLICABLE TO CONSTRUCTION WORK ON THIS PROJECT		
NUMBER	DATE	TITLE
PM–110	10/15/2024	LINE TYPES
PM–120	10/15/2024	STOP LINES & ISLANDS
TC–233	10/17/2017	PAVEMENT MARKING OPERATIONS TWO–LANE

UTILITY CONTACTS			
COMPANY	UTILITY	CONTACT	PHONE #
SOUTHERN IOWA RURAL WATER ASSOCIATION	WATER	CHAD CASS	641–782–5744
FARMERS ELECTRIC COOPERATIVE	ELECTRIC	DAVE SHIKE	641–743–6146
WINDSTREAM COMMUNICATIONS	INTERNET & TELEPHONE	LOCATE DESK	1–800–289–1901
COON VALLEY COOP TELEPHONE	INTERNER & TELEPHONE	JUSTIN SCHNEIDER	515–524–2111

Approved Board of Supervisors

Rick Friday, Chairperson — Date 5/27/26

Dennis Brown — Date 5/27/26

Dennis Hopkins — Date 5/27/26

CHRISTIAN BOEHMER 25341 — PROFESSIONAL ENGINEER — STATE OF IOWA

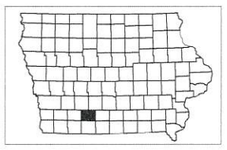
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Christian Boehmer, P.E. — Date 5/27/26

My license renewal date is December 31, 2026

Pages or sheets covered by this seal:
ALL SHEETS

CLICK BEFORE YOU DIG IOWA 811 ONE CALL SM
IowaOneCall.com



UNION COUNTY

UNION COUNTY ENGINEERS OFFICE
1701 COMMERCE ROAD
CRESTON IOWA, 50801 (641)–782–7417

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL
1.	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE/SOLVENT BASED	STA	5103.93
2.	2528-8445110	TRAFFIC CONTROL	LS	1.00
3.	2533-4980005	MOBILIZATION	LS	1.00

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	Lane	Marking Type	Left	Center	Right	BCY6 (STA)	BCY6 Factored (STA)	CBW6 (STA)	CBW6 Factored (STA)	DCY4 Factored (STA)	DCY6 (STA)	DCY6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	ELY4 Factored (STA)	NPY6** (STA)	NPY6** Factored (STA)	SLW2 (STA)	SLW2 Factored (STA)	STW6 (STA)	STW6 Factored (STA)	Remarks
A. 180TH	Both	Waterborne/Solvent Paint	X		X	6.44	1.61				1.44	2.88				18.97	23.71	0.20	0.80			STOP BAR EAST END
B. H33 CROMWELL RD.	Both	Waterborne/Solvent Paint	X		X	92.01	23.00				29.40	58.80				115.24	144.05	0.22	0.88			STOP BAR BOTH ENDS
C. H24 150TH	Both	Waterborne/Solvent Paint	X		X	40.27	10.07				17.90	35.80	311.70	311.70		97.18	121.48	0.21	0.84			STOP BAR EAST END
D. P17	Both	Waterborne/Solvent Paint	X		X	30.26	7.57				6.06	12.12	183.74	183.74		54.55	68.19	0.18	0.72			STOP BAR NORTH END
E. HIGH AND DRY	Both	Waterborne/Solvent Paint	X		X	115.91	28.98				28.52	57.04	561.92	561.92		136.53	170.66					
F. H24 140TH	Both	Waterborne/Solvent Paint	X		X	21.92	5.48				46.16	92.32	239.22	239.22		51.03	63.79	0.50	2.00			STOP BAR BOTH ENDS
G. 130TH	Both	Waterborne/Solvent Paint	X		X						19.98	39.96						0.20	0.80			STOP BAR EAST END
H. GREEN VALLEY RD.	Both	Waterborne/Solvent Paint	X		X	14.29	3.57				54.34	108.68	266.26	266.26		64.50	80.63					
I. P33 CHERRY ST RD.	Both	Waterborne/Solvent Paint	X		X	157.57	39.39				18.11	36.22	604.12	604.12		126.38	157.97					
J. CHERRY ST RD.	Both	Waterborne/Solvent Paint	X		X	49.35	12.34						159.50	159.50		30.40	38.00					
K. H33 TOWNLINE	Both	Waterborne/Solvent Paint	X		X	8.85	2.21				8.25	16.50	67.02	67.02		16.41	20.51					
L. OSAGE	Both	Waterborne/Solvent Paint	X		X	25.07	6.27				21.13	42.26	158.20	158.20		29.75	37.19	0.92	3.68	1.02	2.07	PAINTED ISLAND AT OSAGE & US34 STOP BARS BOTH ENDS
M. P33 POLE RD	Both	Waterborne/Solvent Paint	X		X	146.51	36.63				12.13	24.26	680.12	680.12		181.42	226.77	0.30	1.20	1.10	2.23	PAINTED ISLAND AT P33 & US 34 STOP BARS NORTH END
TOTAL							177.12					526.84		3231.80			1152.95		10.92		4.30	