LETTING DATE 10-19-2021

LOUISA Co.

RCB CULV. REP. - TRIPLE BOX
BRFN-078-5(5)--39-58

INDEX OF SHEETS

No.	DESCRIPTION
A Sheets	**Title Sheets**
A.1	Title Sheet
A.2	Location Map Sheet
B Sheets	**Typical Cross Sections and Details**
B.1 - 2	Typical Cross Sections and Details
D Sheets	**Mainline Plan and Profile Sheets**
* D.1	Plan & Profile Legend & Symbol Information Sheet
* D.2	IA 78
G Sheets	**Survey Sheets**
G.1 - 2	Reference Ties and Bench Marks
G.3	Horizontal Control Tab. & Alignment Coordinantes
J Sheets	**Traffic Control and Staging Sheets**
* J.1	Traffic Control & Staging Legend & Symbol Info. Sheet
* J.2	Traffic Control Plan
V Sheets	**Bridge and Culvert Situation Plans**
* V.1 - 3	Cast in Place Culvert Situation Plans
* V.4 - 6	Precast Culvert Situation Plans
W Sheets	**Mainline Cross Sections**
W.1	Cross Sections Legend & Symbol Information Sheet
W.2 - 12	Mainline Cross Sections

* Color Plan Sheets

IOWA DOT

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

LOUISA COUNTY

RCB CULVERT REPLACEMENT - TRIPLE BOX

IA 78 CULVERT - HONEY CREEK 1.8 MI WEST OF US 61

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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

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

PRELIMINARY

For Project Location Map
Refer to Sheet A.2

REVISIONS

TOTAL	30
PROJECT IDENTIFICATION NUMBER	17-58-078-010
PROJECT NUMBER	BRFN-078-5(5)--39-58
R.O.W. PROJECT NUMBER	STPN-078-5(6)--2J-58

D4 PLAN – Date: June 22, 2021

PRELIMINARY PLANS

Subject to change by final design.

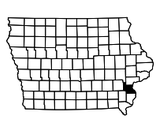
D5 PLAN – Date: Sept 20, 2019

DESIGN DATA RURAL

2021 AADT	2300	V.P.D.
2041 AADT	2900	V.P.D.
2041 DHV	300	V.P.H.
TRUCKS	12	%
Total Design ESALs	--	

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	WADE D. HARRIS	Primary Signature Block



SURVEY SYMBOLS

- BBB Bottom of Bridge Beam
- BD Bridge Deck
- BL Topo Breakline
- BRG Bridge
- C Centerline BL of Road (ML or SR)
- CP Control Point
- DU Centerline Draw or Stream (Up)
- EG Edge of Gravel Road
- EP Edge of Paved Roads (ML or SR)
- FO1B Fiber Optic Co. 1 - Quality B
- FW Wire Fence
- GDL Guard Rail Steel
- GR Ground Shot
- MIS Miscellaneous
- PIP Pipe Culvert
- PPA Power Pole Co. 1
- RR Centerline of Railroad Tracks
- SI Sign
- TW Top of Water
- WC Wild Card (Misc. Field Shot)
- RET Retaining Walls
- EL1B Electric line Co. 1 - Quality B

UTILITY LEGEND

Sub-Surface Utility Mapping Quality Level is in accordance with CI/ASCE 38-02 Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data.

Remark Abbreviations
QLA Quality Level A Highest guideline quality level
QLD Quality Level D Lowest guideline quality level

- T1 - Mutual Tel. Company of Morning Sun - Quality D
- FO2 - Mutual Tel. Company of Morning Sun - Quality D
- FO - Mediacom - Quality D
- E1 - Alliant Energy - Quality A
- PPA Power Pole Alliant Energy
- TP Mutual Tel. Company of Morning Sun - Quality D

T1 – Mutual Telephone

Randy Foor
Mutual Telephone

(319) 868-7636 Work
rdf@mutel.com

28 W Diwsion St.
Morning sun, IA 52640

FO – Mediacom

Timothy H. Eagen
Mediacom Communications
Construction Supervisor

(319) 208-1829 Work
(319) 350-3679 Mobile
teagan@mediacomcc.com
3210 Division Street
Burlington, IA 52301

FO2 – Mutual Telephone (Shown as T1 on plan)

Randy Foor
Mutual Telephone

(319) 868-7636 Work
rdf@mutel.com

28 W Diwsion St.
Morning sun, IA 52640

Power Pole - Alliant

Heather Dee
Alliant Energy
ROW

(319) 786-8196 Work
hdrow@alliantenergy.com

200 1st St. SE
Cedar Rapids, IA 52401

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)	Existing Utilities
SHADING	**Design Color No.**	
Yellow	(4)	Highlight for Critical Notes or Features
Red	(3)	Delineates Restricted Areas
Lavender	(9)	Temporary Pavement Shading
Gray, Light	(48)	Proposed Pavement Shading
Gray, Med	(80)	Proposed Granular Shading
Gray, Dark	(112)	Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)	Grading Shading
Tan	(8)	Proposed Sidewalk Shading
Blue, Light	(230)	Proposed Sidewalk Landing Shading
Pink	(11)	Proposed Sidewalk Ramp Shading

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Ground Line Profile
Blue	(1)	Proposed Profile and Annotation
Magenta	(5)	Existing Utilities
Blue, Light	(230)	Proposed Ditch Grades, Left
Black	(0)	Proposed Ditch Grades, Median
Rust	(14)	Proposed Ditch Grades, Right

- Reference Point — Survey Line
- Station — Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Trench Drain
- HighTension Cable Guardrail
- Sheet Pile
- Pavement Removal
- Clearing & Grubbing Area

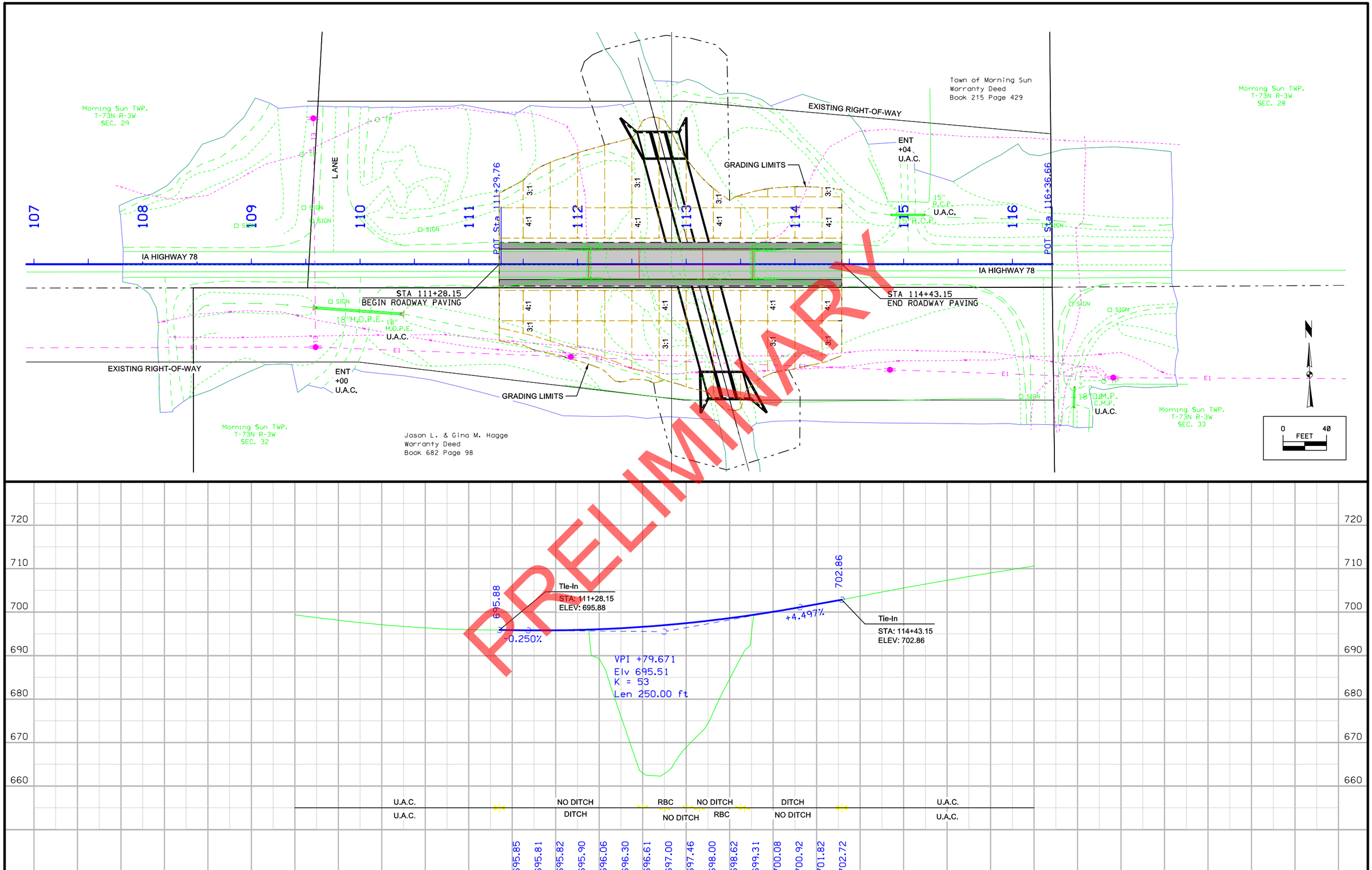
RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary)
- Easement
- C/A Access Control
- Property Line

PRELIMINARY

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES D, E, F, & K)



FILE NO. 31699	ENGLISH	DESIGN TEAM SHIVE-HATTERY	LOUISA COUNTY	PROJECT NUMBER BRFN-078-5(5)--39-58	SHEET NUMBER D.2

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