

Highway Division

ROAD SYSTEM PRIMARY

L Ave Interchange E of Tama

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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



9 PROJECT IDENTIFICATION NUMBER 18-86-030-010 PROJECT NUMBER NHSN-030-6(257)--2R-86 R.O.W. PROJECT NUMBER

NHSN-030-6(258)--2R-86

	INDEX OF SHEETS				
	No.	DESCRIPTION			
Α	Sheets	Title Sheets			
	A.1	Title Sheet			
	A.1	Location Map Sheet			
D	Sheets	Mainline Plan and Profile Sheets			
	* D.1	Plan & Profile Legend & Symbol Information Sheet			
	* D.2	US 30			
Ε	Sheets	Side Road Plan and Profile Sheets			
	* E.1	330th St (Old US 30)			
V	Sheets	Bridge and Culvert Situation Plans			
	V.1 - 6	Bridge and Culvert Situation Plans			
		* Color Plan Sheets			

REVISIONS

Project Location

Letting - Date: 8-21-2018

D9 PLAN - Date: 6-5-2018

28011451
285TH ST 3
2907H ST 2857H ST ST 2857H ST ST
12 295845 ST 8 9 10 E43 11 T T 12 T 12 T 12 T 12 T 12 T 12 T 1
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320TH 57
TAMA
36 37 72 72 72
g T A MA POP.
340TH ST 2
350TH ST 1604
10 10 10 TWY E64

LOCATION MAP SCALE

L Avenue **DESIGN DATA RURAL** ___1,400__ V.P.D. 2013 AADT

20-- AADT _____ V.P.D. _-__ V.P.H. 20-- DHV TRUCKS Total Design ESALs

DES	[GN	DATA	RU	JRAL
2015 20		4,3	10	V.P.D. V.P.D.
20				V.P.H.
TRUCK	S			. %
Total Desig	n ESAL	s		

US 30

7	INDEX OF SEALS				
-	SHEET NO.	NAME	TYPE		
	A.1	X	Primary Signature Block		
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).	X	X	X		
1.					

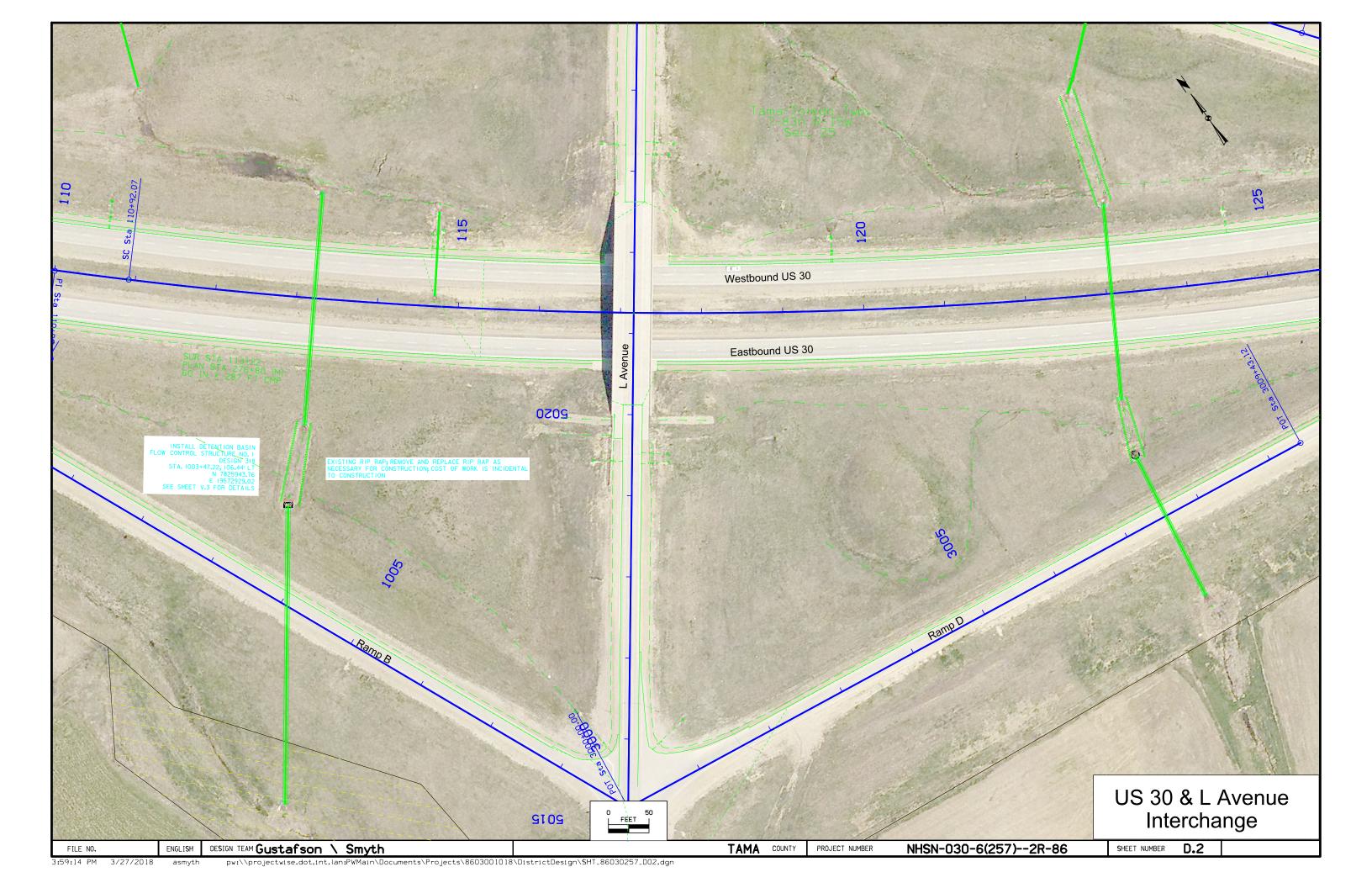
PRELIMINARY PLANS

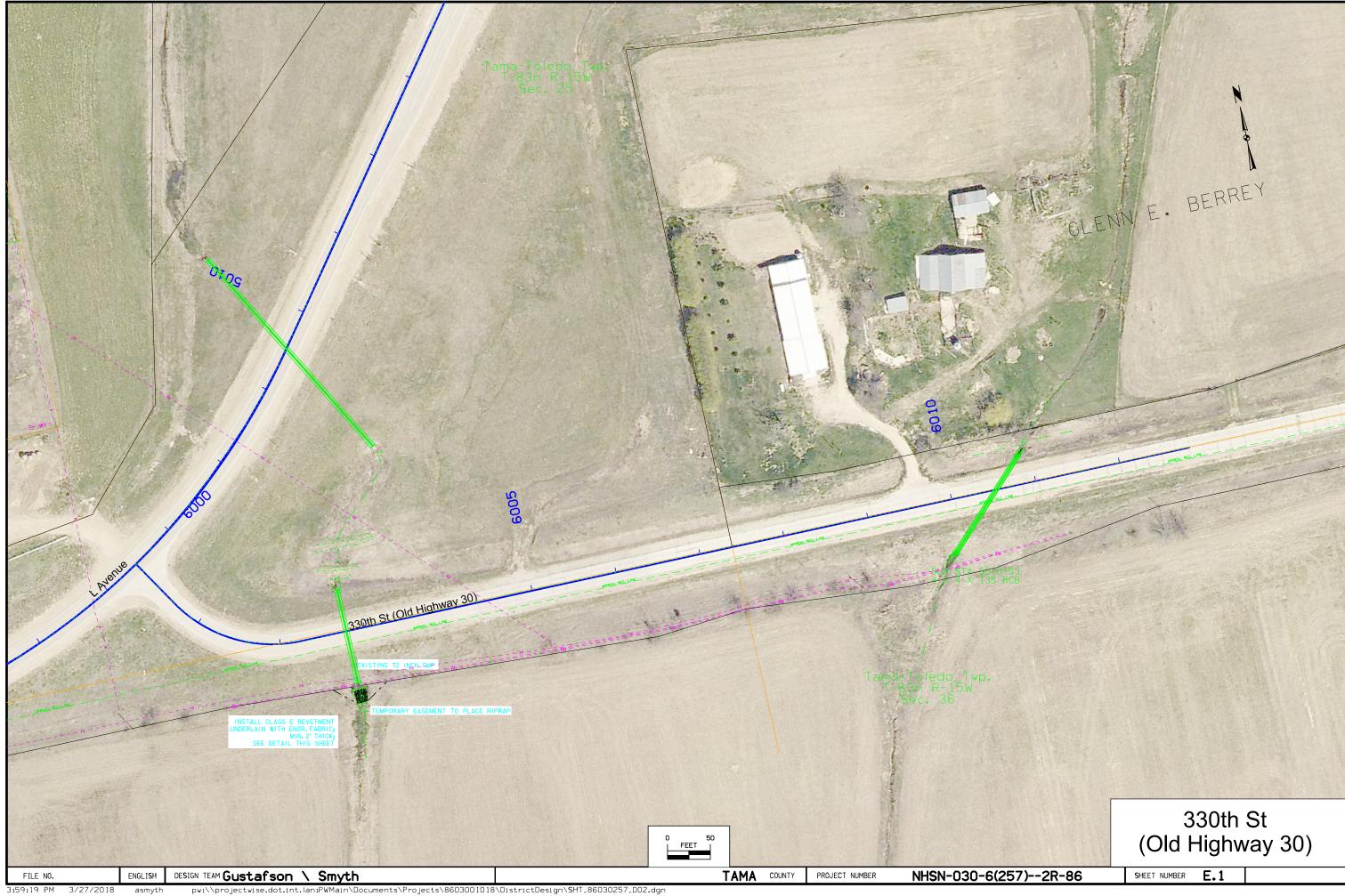
Subject to change by final design.

D5 PLAN - Date: 3-27-2018

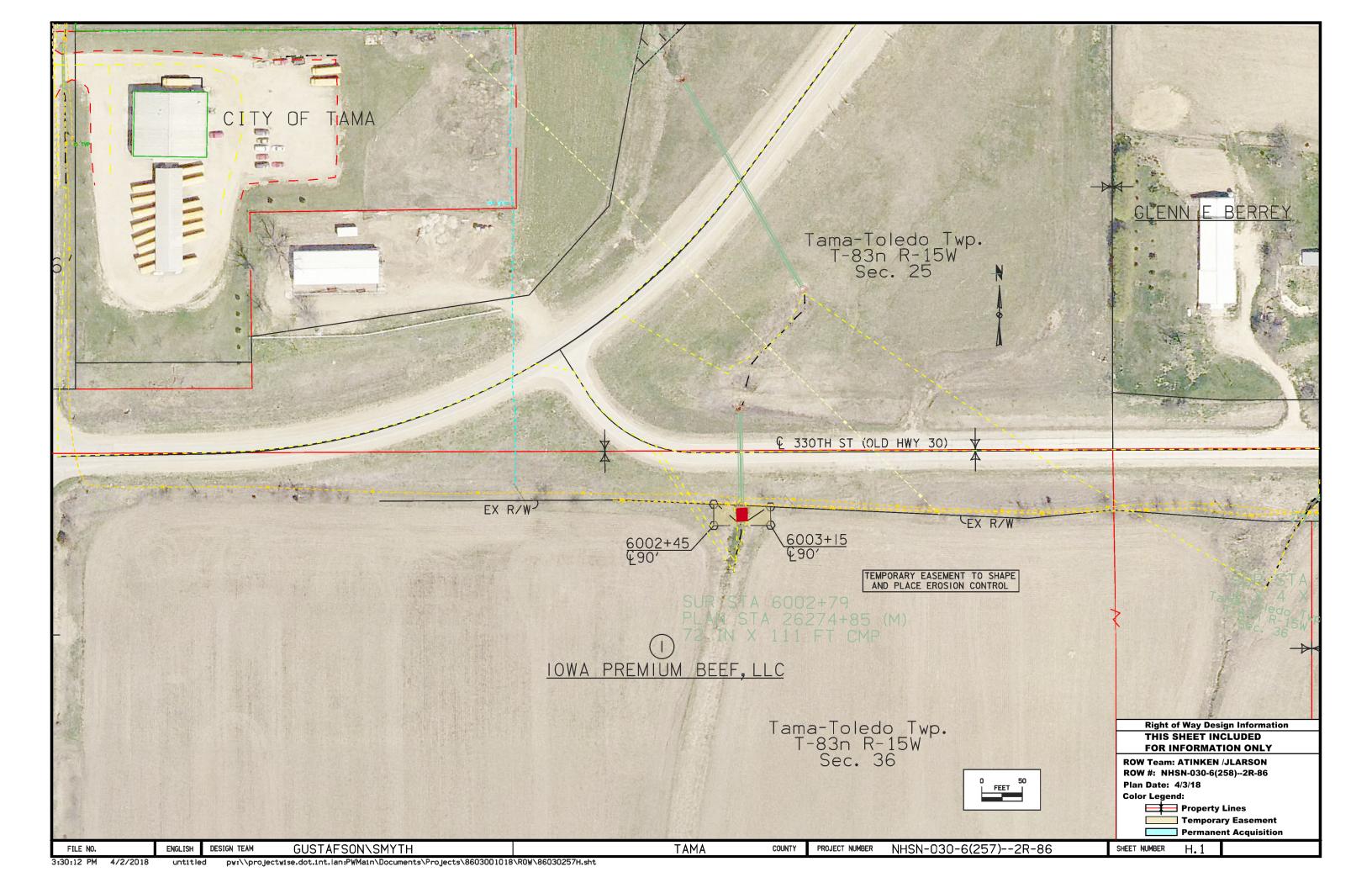
NHSN-030-6(257)--2R-86 TAMA COUNTY PROJECT NUMBER SHEET NUMBER DESIGN TEAM Gustafson \ Smyth

UTILITY LEGEND SURVEY SYMBOLS PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS LINEWORK Design Color No. (2) Existing Topographic Features and Labels Green Blue Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation Magenta Existing Utilities SHADING Design Color No. Yellow (4) Highlight for Critical Notes or Features Delineates Restricted Areas Red ----- BL Topo Breakline (9) Temporary Pavement Shading Lavender BLD Building or Foundation Gray, Light (48) Proposed Pavement Shading ----- C Centerline BL of Road (ML or SR) Gray, Med (80) Proposed Granular Shading CON Concrete or A/C Slab CU Back of Curb Gray, Dark (112) Proposed Grade and Pave Shading "In conjunction with a paving project" D Centerline Draw or Stream (Down) Brown, Light (236) Grading Shading — F0 - FO1D Fiber Optic Century Link - Quality D DIK Centerline of Dike or Dam Tan (8) Proposed Sidewalk Shading — F02 - F02D Fiber Optic Windstream - Quality D DU Centerline Draw or Stream (Up) G - GL1D Gas Line Magellan - Quality D Blue, Light (230) Proposed Sidewalk Landing Shading ENP Edge Paved Entrance & Park Lot G2 - GL2D Gas Line Northern Natural Gas - Quality D (11) Proposed Sidewalk Ramp Shading Pink - - - - ENT Centerline BL of Entrance — G3 - GL3D Gas Line Alliant Energy - Quality D - - - - ENU Edge Unpaved Entrance & Parking — T1 - TL1D Telephone Line Windstream - Quality D EP Edge of Paved Roads (ML or SR) PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS TV - TV1D TV Cable Mediacom - Quality D ---- # ---- # FCL Chain Link and Security Fence — W - WL1D Water Line Poweshiek Water - Quality D — F0 - FO1D Fiber Optic Co. 1 - Quality D Design Color No. LINEWORK — F02 - F02D Fiber Optic Co. 2 - Quality D Existing Ground Line Profile Green FW Wire Fence Blue Proposed Profile and Annotation (1) G - GL1D Gas Line Co. 1 - Quality D - GL2D Gas Line Co. 2 - Quality D Magenta Existing Utilities G3 = GL3D Gas Line Co. 3 - Quality D. Blue, Light (230) Proposed Ditch Grades, Left GU Gutter In Front of Curb (0) Proposed Ditch Grades, Median Black LIN Miscellaneous Line Rust (14) Proposed Ditch Grades, Right PIP Pipe Culvert SH Paved Shoulder Reference Point Survey Line RIGHT-OF-WAY LEGEND — — SNP Unpayed Shoulder - Tile - TIL Tile Line Station T1 - TL1D Telephone Line Co. 1 - Quality D ▲ Proposed Right-of-Way — — — Section Corner TV1D TV Cable Co. 1 - Quality D WL1D Water Line Co. 1 - Quality D △ Existing Right of Way — -- — -- — Ground Line Intercept **CP Control Point** Existing and Proposed Right-of-Way WC Wild Card (Misc. Field Shot) OUT Tile Outlet Saw Cut. Easement and Existing Right-of-Way **GR Ground Shot** SOP Size of Pipe or Culvert Guardrail PRO Profile Shot Easement BM Bench Mark Trench Drain wv WV Water Valve C/A Access Control HighTension Cable CUL Culvert O TP TPD Telephone Pedestal → Property Line O TVP TVP TV Pedestal Sheet Pile Clearing & Grubbing Area Pavement Removal Pavement PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET (COVERS SHEET SERIES D, E, F, & K) NHSN-030-6(257)--2R-86 TAMA COUNTY PROJECT NUMBER SHEET NUMBER D. 1 DESIGN TEAM Gustafson \ Smyth





		ACCESS CONTROL LETTER		
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ESTIMATED BRIDGE QUANTITIES ITEM NO. ITEM CODE AS BUILT QUAN. 2104-2710020 EXCAVATION, CLASS IO, CHANNEL CY 2507-3250005 ENGINEERING FABRIC SY 3 I 2507-6800061 REVETMENT, CLASS E TON 23

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	DESCRIPTION
	2104-2710020	EXCAVATION, CLASS IO, CHANNEL EXCAVATED MATERIAL WILL BECOME THE PROPERTY OF THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE DISPOSAL SITE FOR WASTE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT AREAS (INCLUDING HAUL ROADS) SELECTED FOR WASTE OR DISPOSAL NOT IMPACT I)CULTURALLY SENSITIVE SITES OR GRAVES OR 2)WETLANDS OR "WATERS OF THE U.S.", INCLUDING STREAMS OR STREAM BANKS BELOW THE "ORDINARY HIGH WATER MARK", WITHOUT AN APPROVED U.S. ARMY CORPS OF ENGINEERS 404 PERMIT. NO PAYMENT FOR OVERHAUL WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES. NO MATERIAL SHALL BE PLACED WITHIN THE RIGHT OF WAY.
2	2507-3250005	ENGINEERING FABRIC ENGINEERING FABRIC SHALL BE MATERIAL AS SPECIFIED FOR EMBANKMENT EROSION CONTROL IN ACCORDANCE WITH ARTICLE 4196.01,B,3, OF THE STANDARD SPECIFICATIONS.
3	2507-6800061	REVETMENT, CLASS E ESTIMATED AT 1.6 TON/CY.

GENERAL NOTES:

THIS PROJECT IS FOR THE CONSTRUCTION OF DETENTION BASIN FLOW CONTROL STRUCTURES AND CLASS E REVETMENT WITHIN THE US 30\L AVENUE INTERCHANGE AND ALONG 330TH STREET (OLD US HIGHWAY 30). PROJECT LOCATION IS APPROXIMATELY 2 MILES EAST OF THE CITY OF TAMA.

PROJECT SHALL CONSIST OF:

- I. INSTALLATION OF CLASS E REVETMENT AT CULVERT ALONG 330TH STREET (OLD US HIGHWAY 30).
- 2. INSTALLATION OF DETENTION BASIN FLOW CONTROL STRUCTURES WITHIN THE US 30\L AVENUE INTERCHANGE.

ROADWAY QUANTITIES FOR DETENTION BASIN FLOW CONTROL STRUCTURE NO. 2 SHOWN ELSEWHERE IN THESE PLANS.

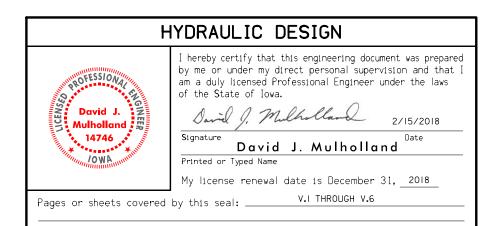
STRUCTURAL QUANTITIES FOR DENTENTION BASIN FLOW CONTROL STRUCTURE NO. I SHOWN ELSEWHERE IN THESE PLANS.

REFER TO TITLE SHEET FOR TRAFFIC DATA.

TAMA COUNTY

SPECIFICATIONS:

CONSTRUCTION: IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES OF 2015, PLUS APPLICABLE GENERAL SUPPLEMENTAL SPECIFICATIONS, DEVELOPMENTAL SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT.



PROJECT NUMBER NHSN-030-6(257)--2R-86

PRELIMINARY

DESIGN FOR

DETENTION BASIN FLOW CONTROL STRUCTURES AND CLASS E REVETMENT QUANTITIES AND GENERAL NOTES

TAMA COUNTY

JANUARY 2018

SHEET NUMBER

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION DESIGN SHEET NO. 1 OF 6 FILE NO. 31584 DESIGN NO. 418

DESIGN TEAM 2/16/2018 9:17:31 AM dmulho1

