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* B.6	CROSS TRAFFIC DOES NOT STOP Sign Details
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PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
STATEWIDE COUNTY
Traffic Signs
Various Expressway Intersections
in District 1, District 5 and District 6

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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



REVISIONS

	TOTAL
	40
PROJECT IDENTIFICATION NUMBER	
25-00-000-030	
PROJECT NUMBER	
HSIPX-000-T(415)--3L-00	
R.O.W. PROJECT NUMBER	

SIGNING AND MARKINGS DESIGN

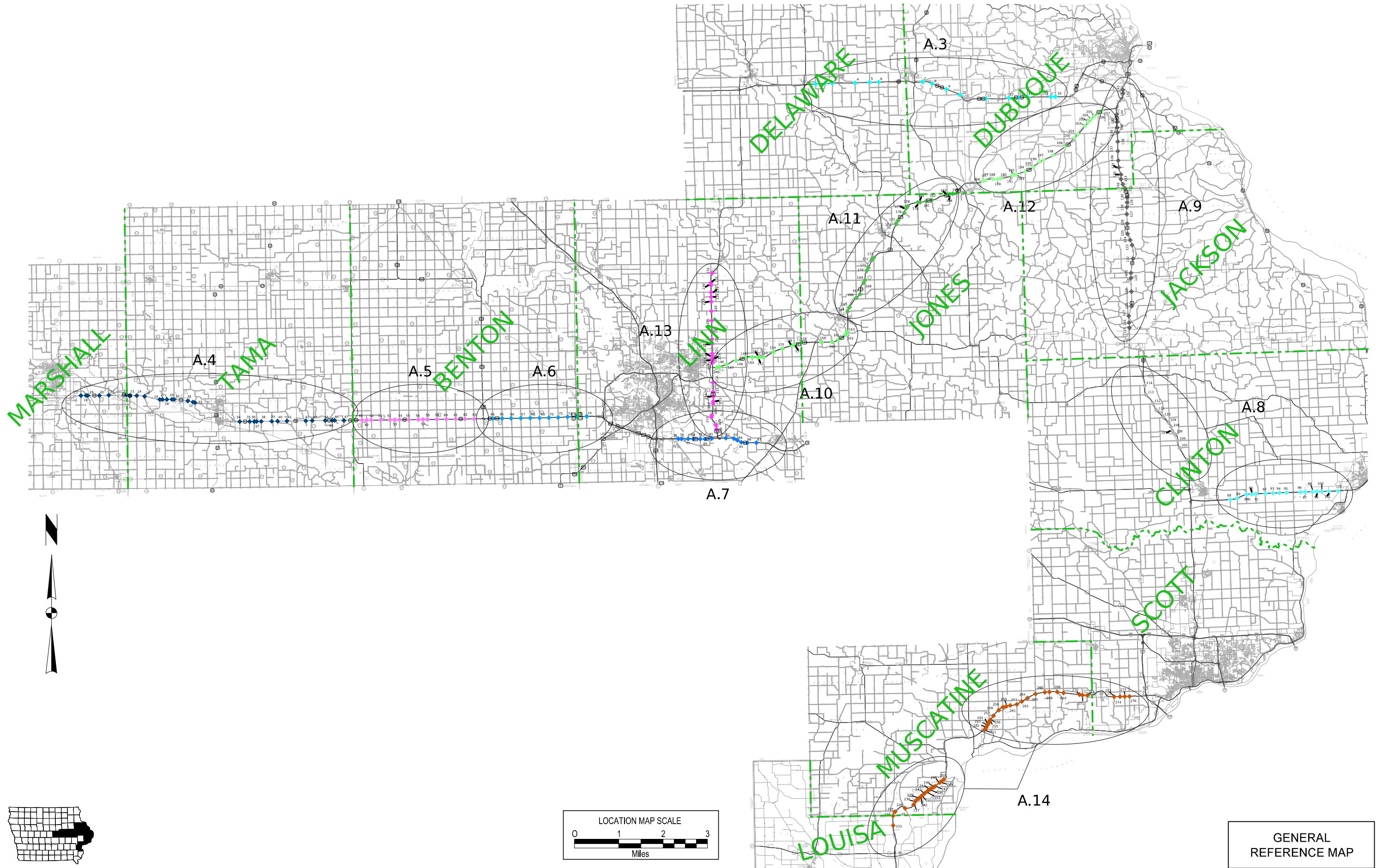


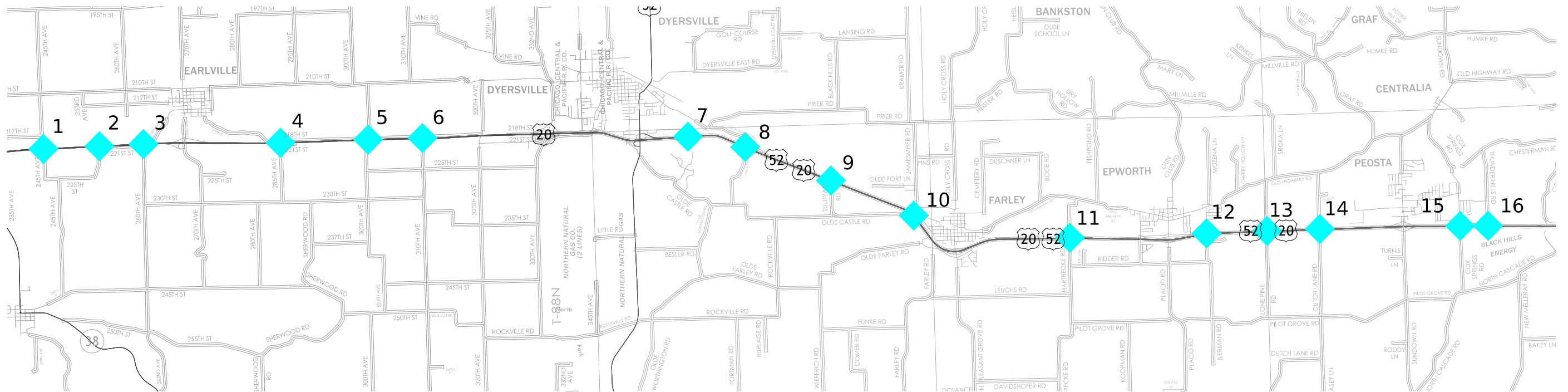
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature: *Neal Fobian* Date: 04-06-2026

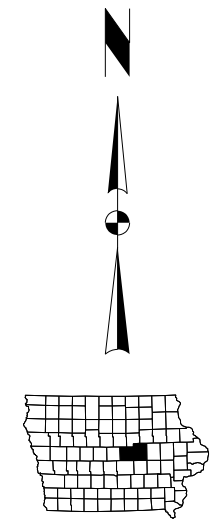
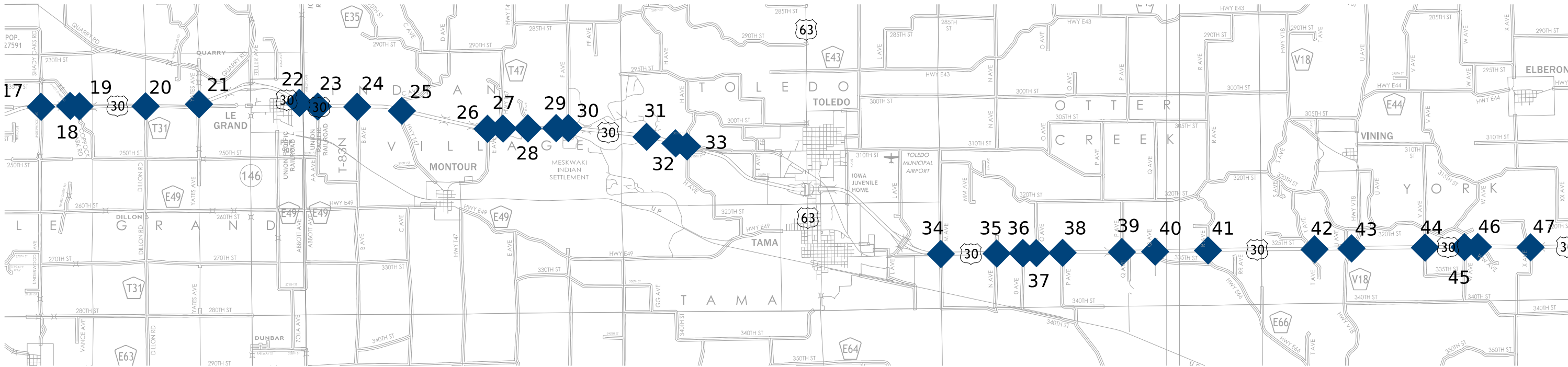
Printed or Typed Name: My license renewal date is December 31, 20

Pages or sheets covered by this seal: A:1-A:14; B:1-B:6; C:1-C:12; J:1-J:2; N:1-N:6

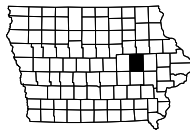
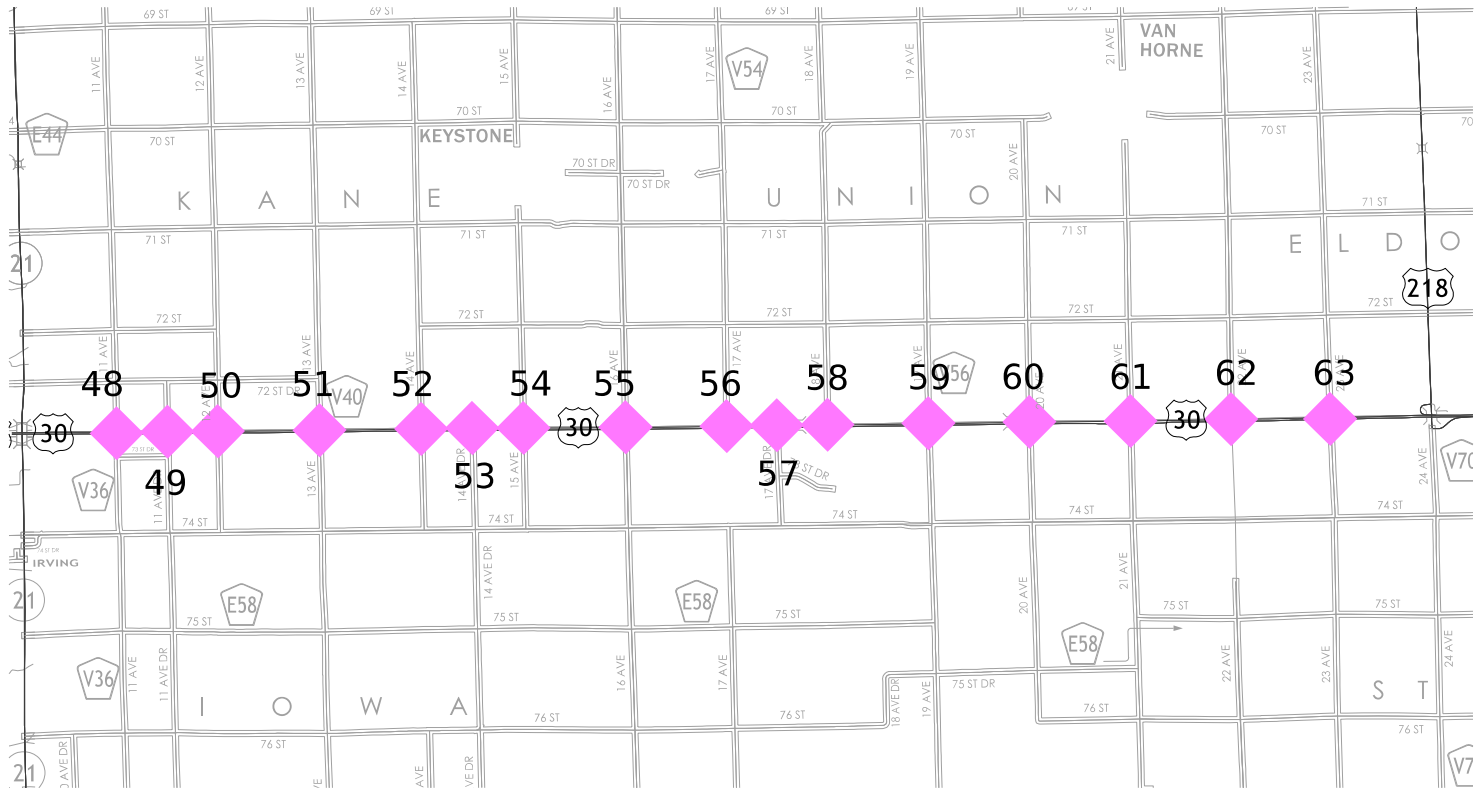




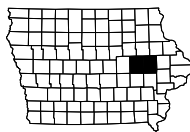
DELAWARE/DUBUQUE
COUNTIES
LOCATIONS



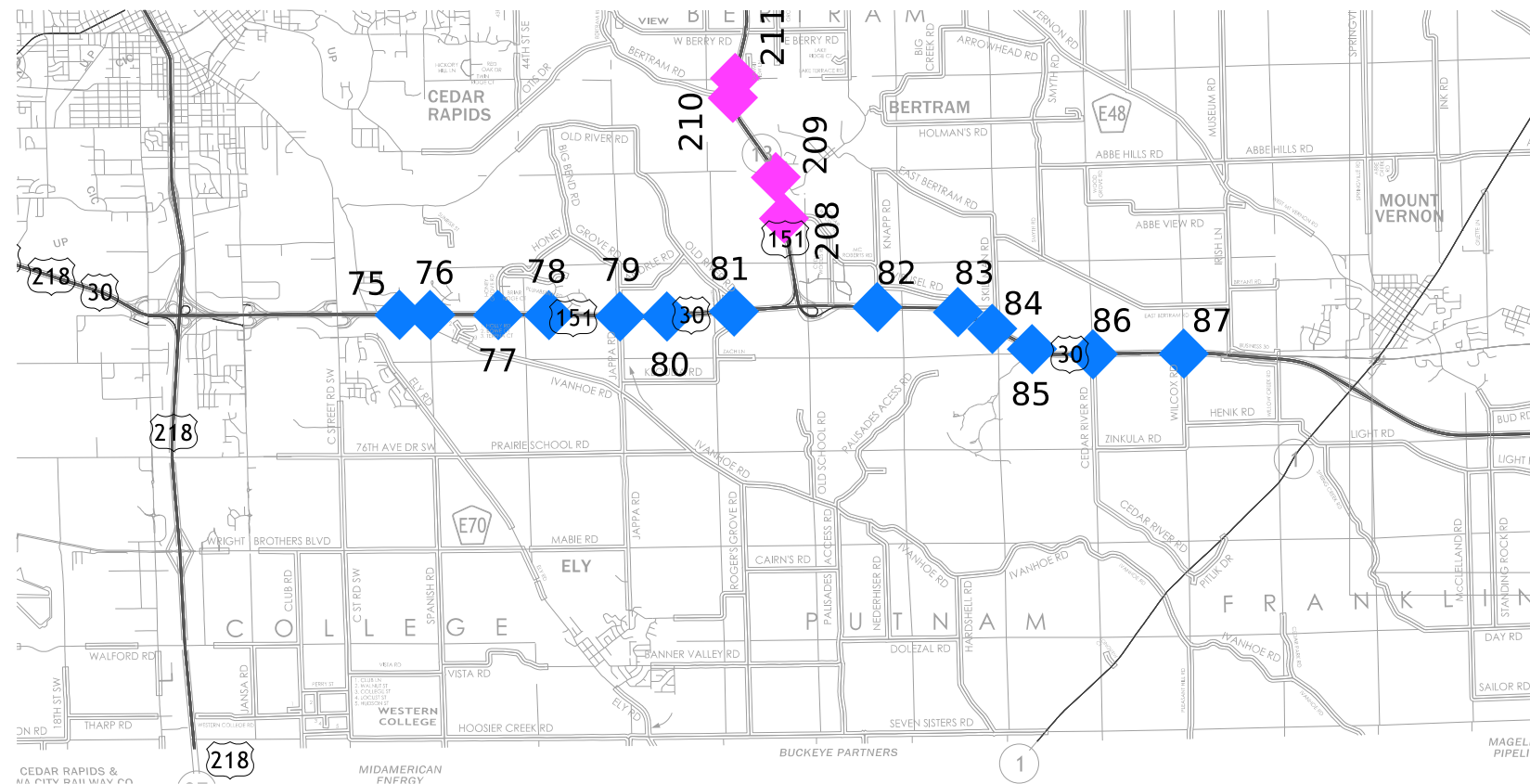
MARSHALL/TAMA
COUNTIES
LOCATIONS



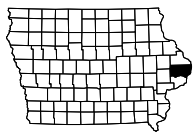
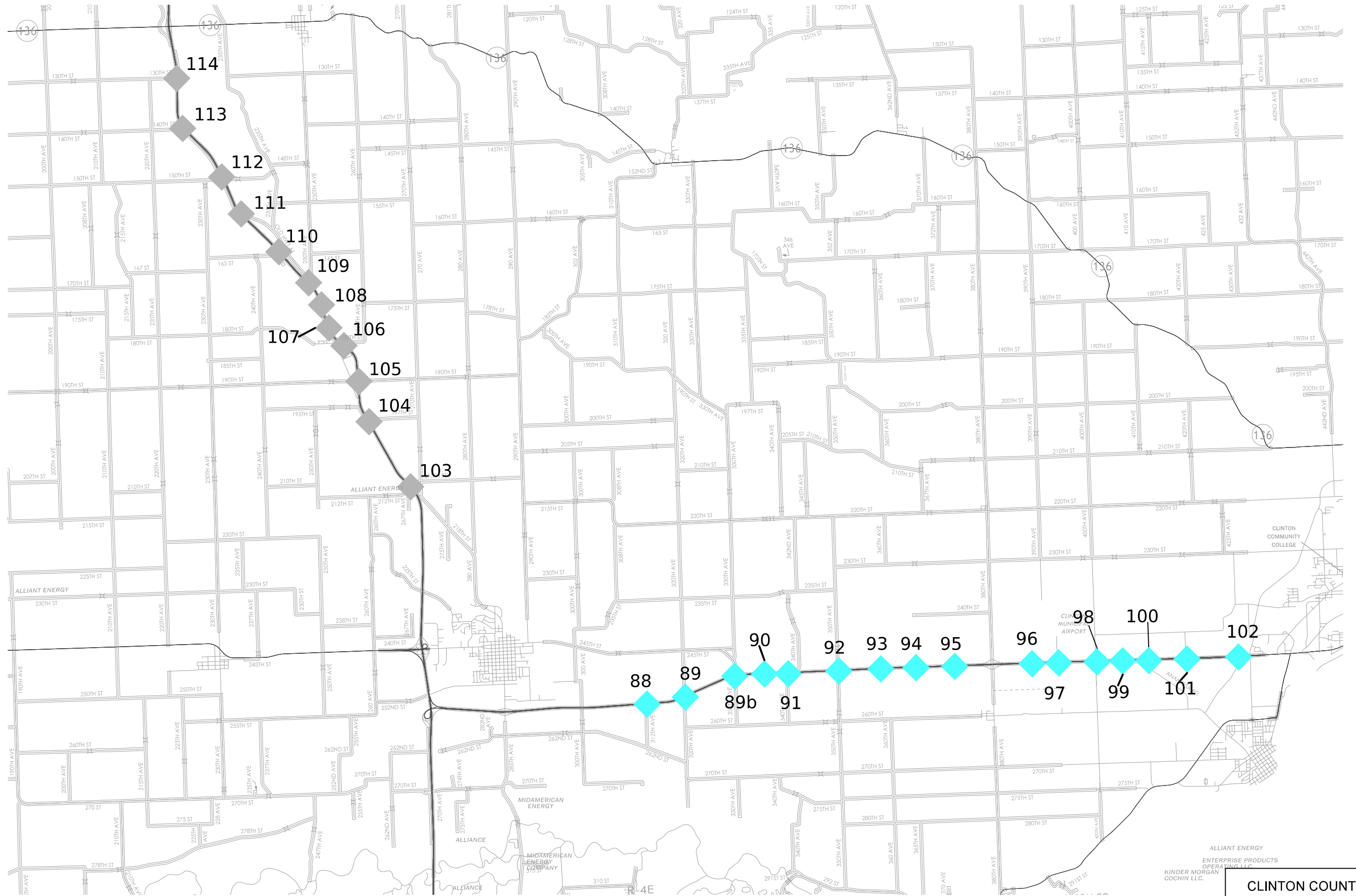
BENTON COUNTY
LOCATIONS



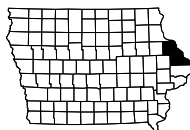
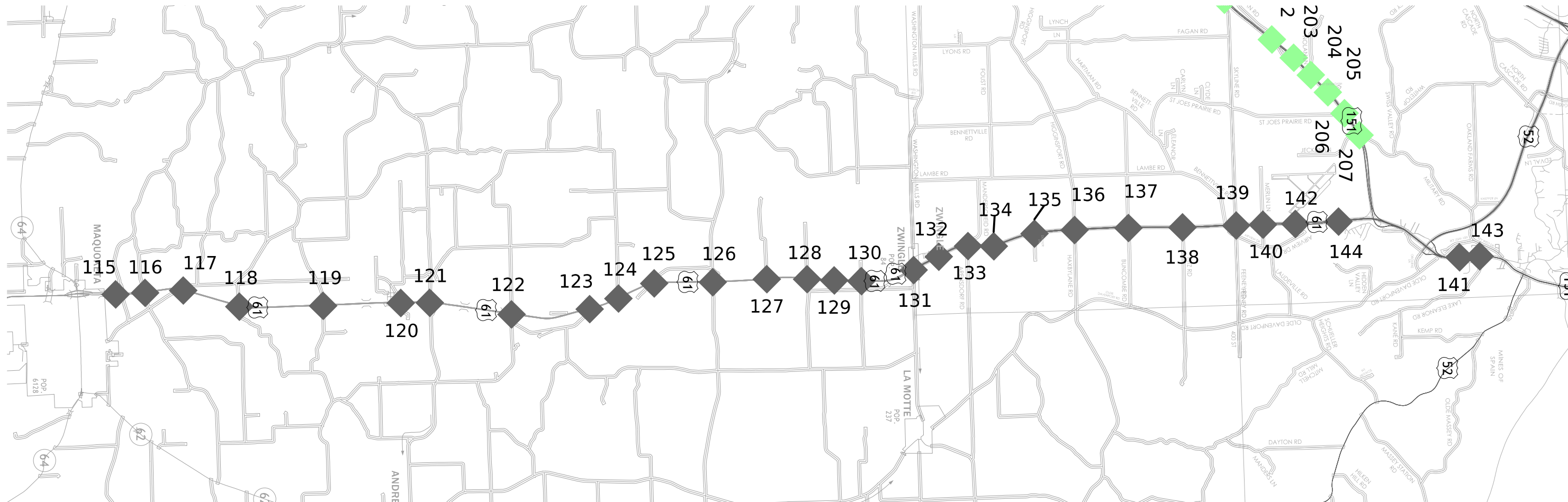
BENTON/LINN
COUNTIES
LOCATIONS



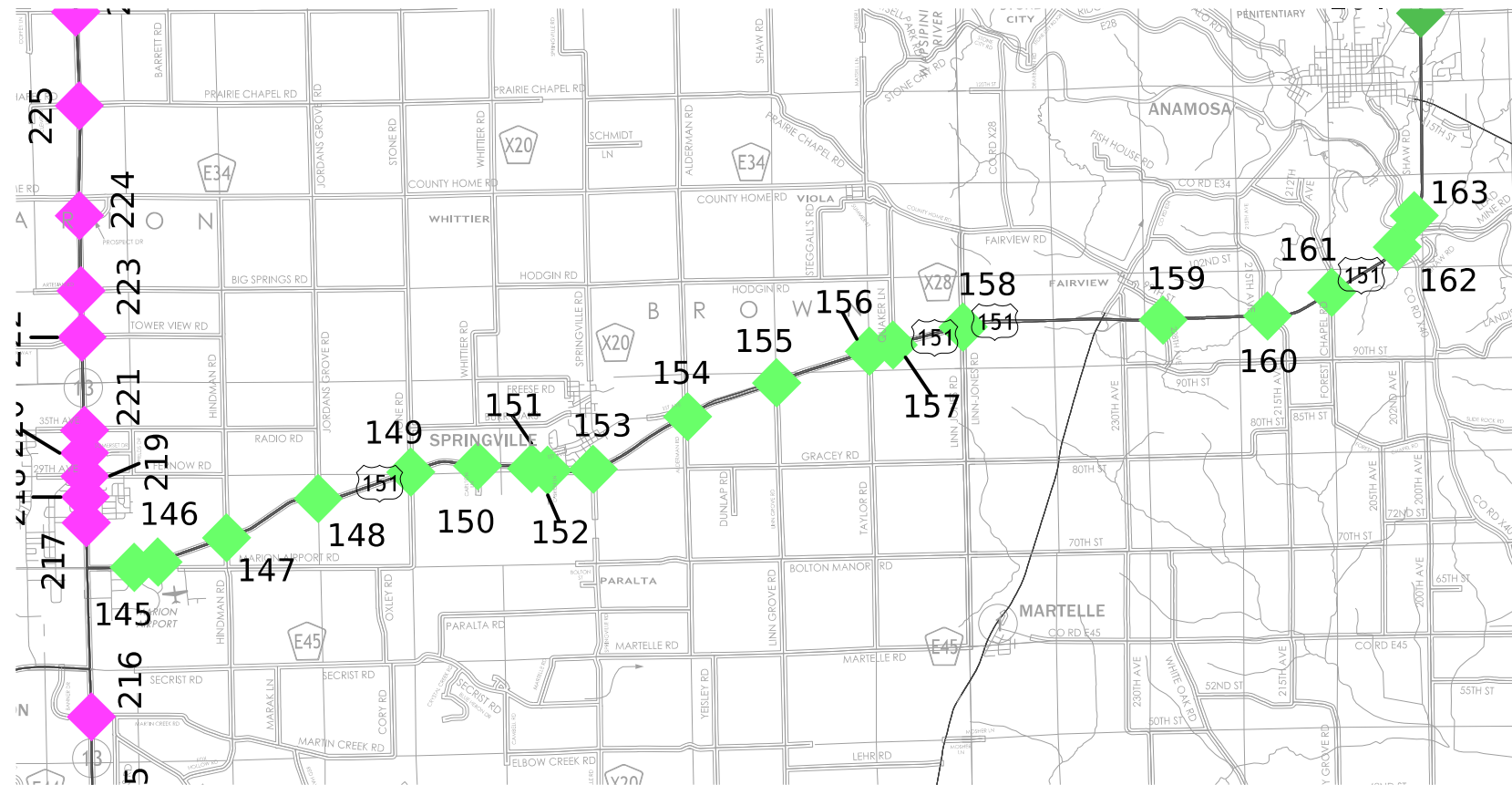
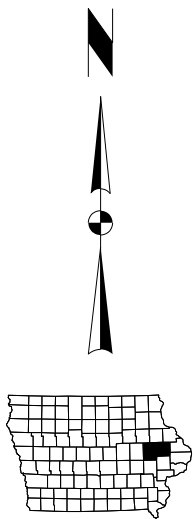
LINN COUNTY
(US-30) LOCATIONS



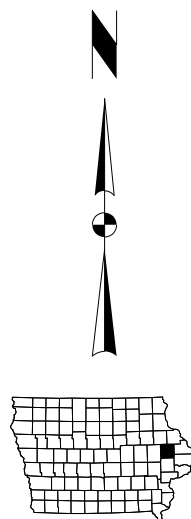
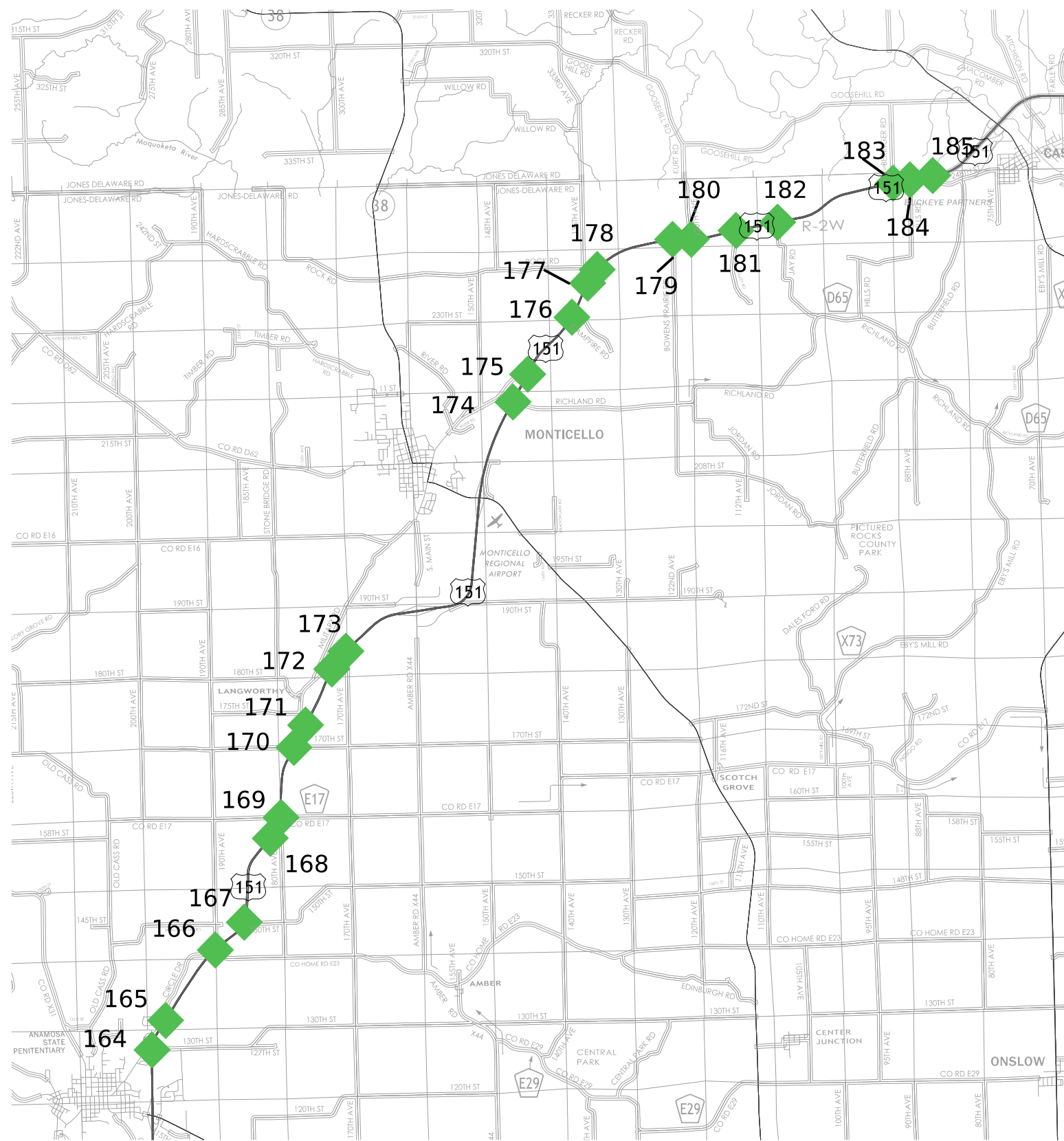
CLINTON COUNTY
LOCATIONS



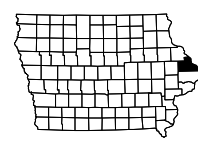
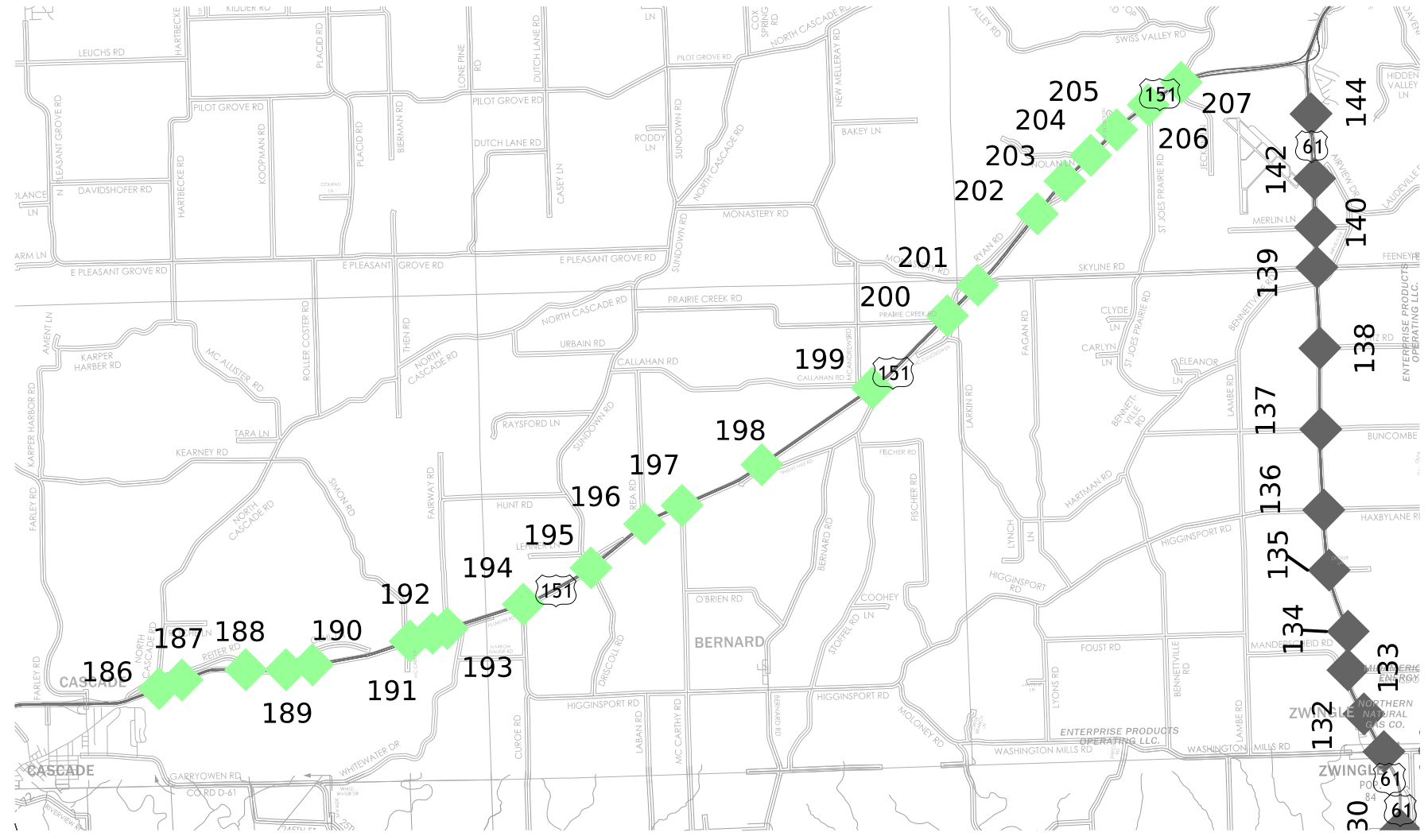
JACKSON/DUBUQUE
COUNTIES
LOCATIONS



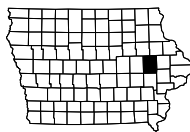
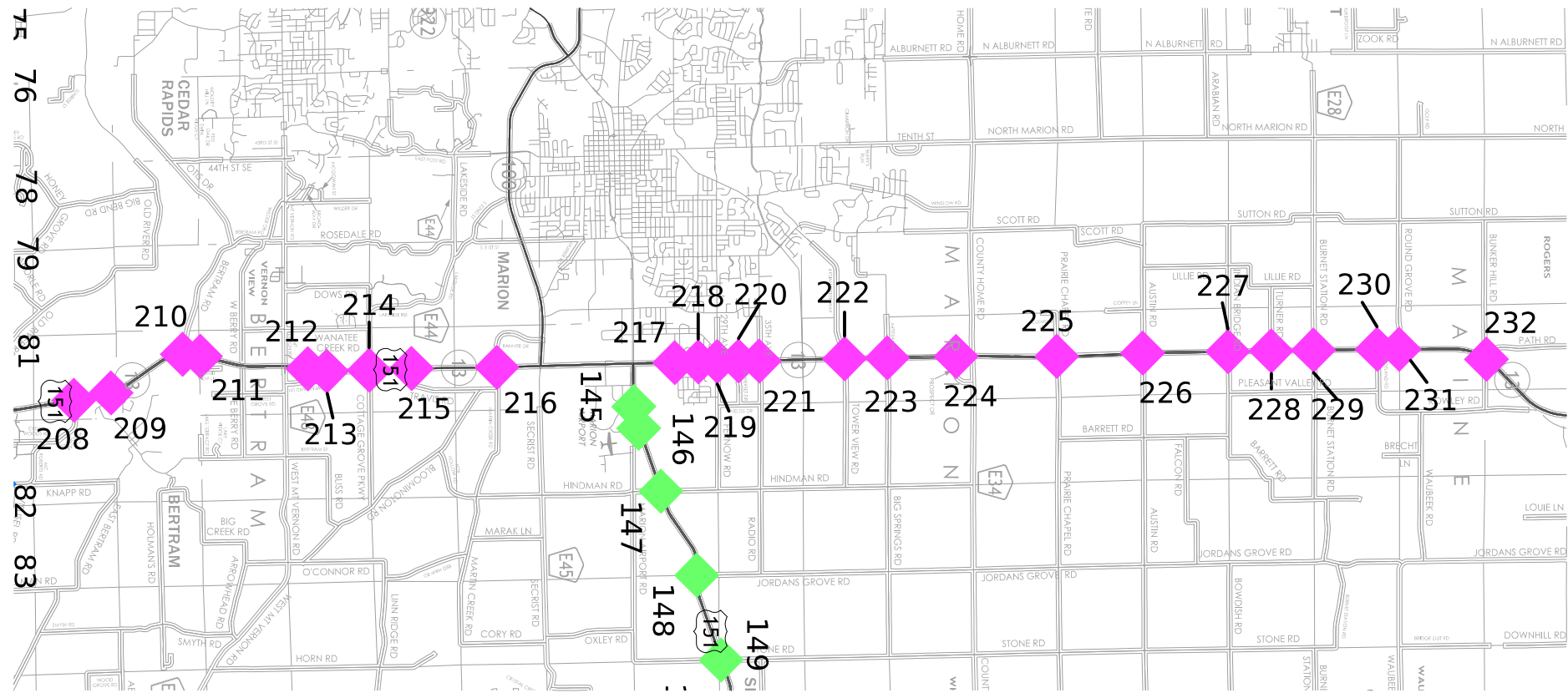
LINN/JONES
COUNTIES
LOCATIONS



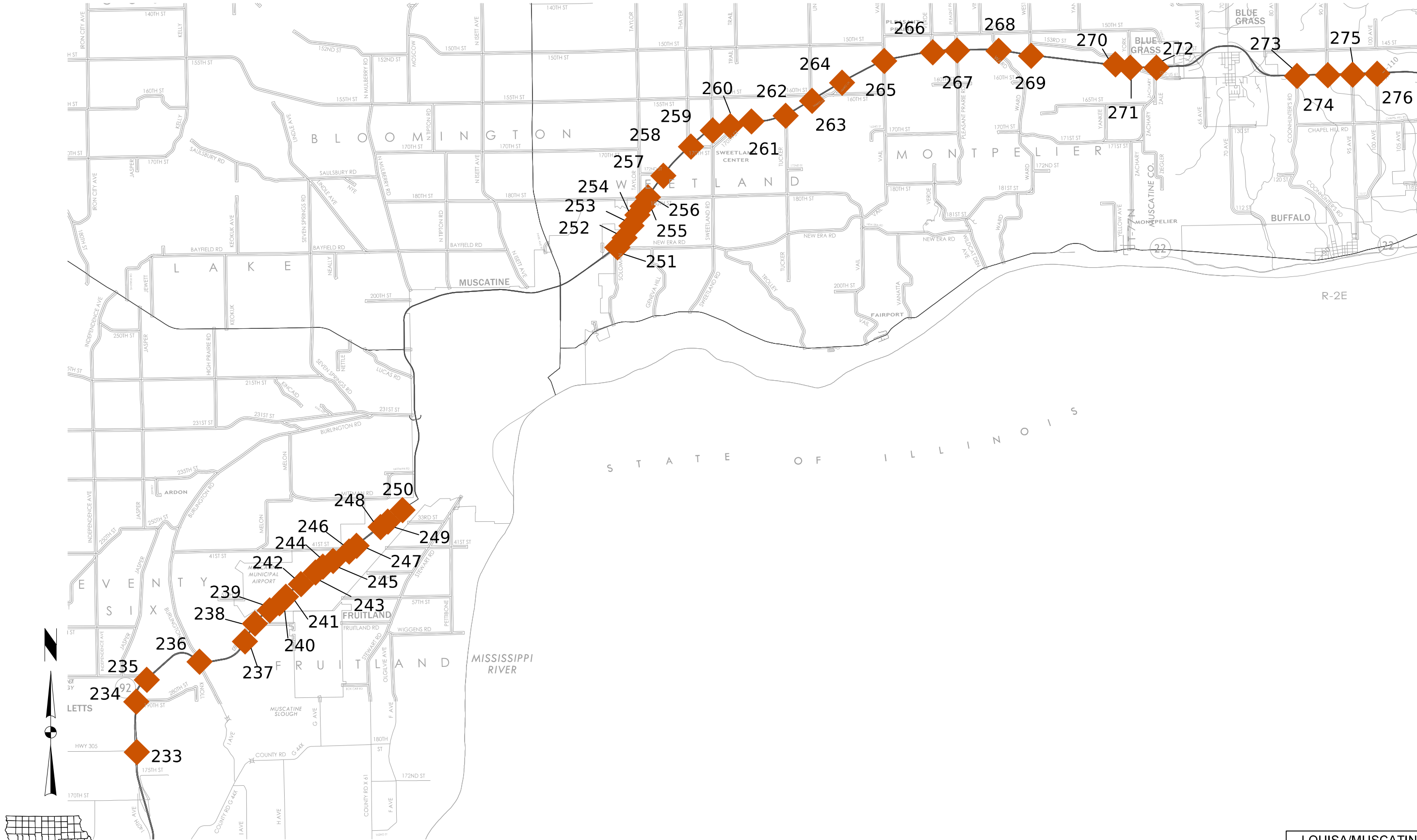
JONES COUNTY
LOCATIONS



DUBUQUE COUNTY
LOCATIONS

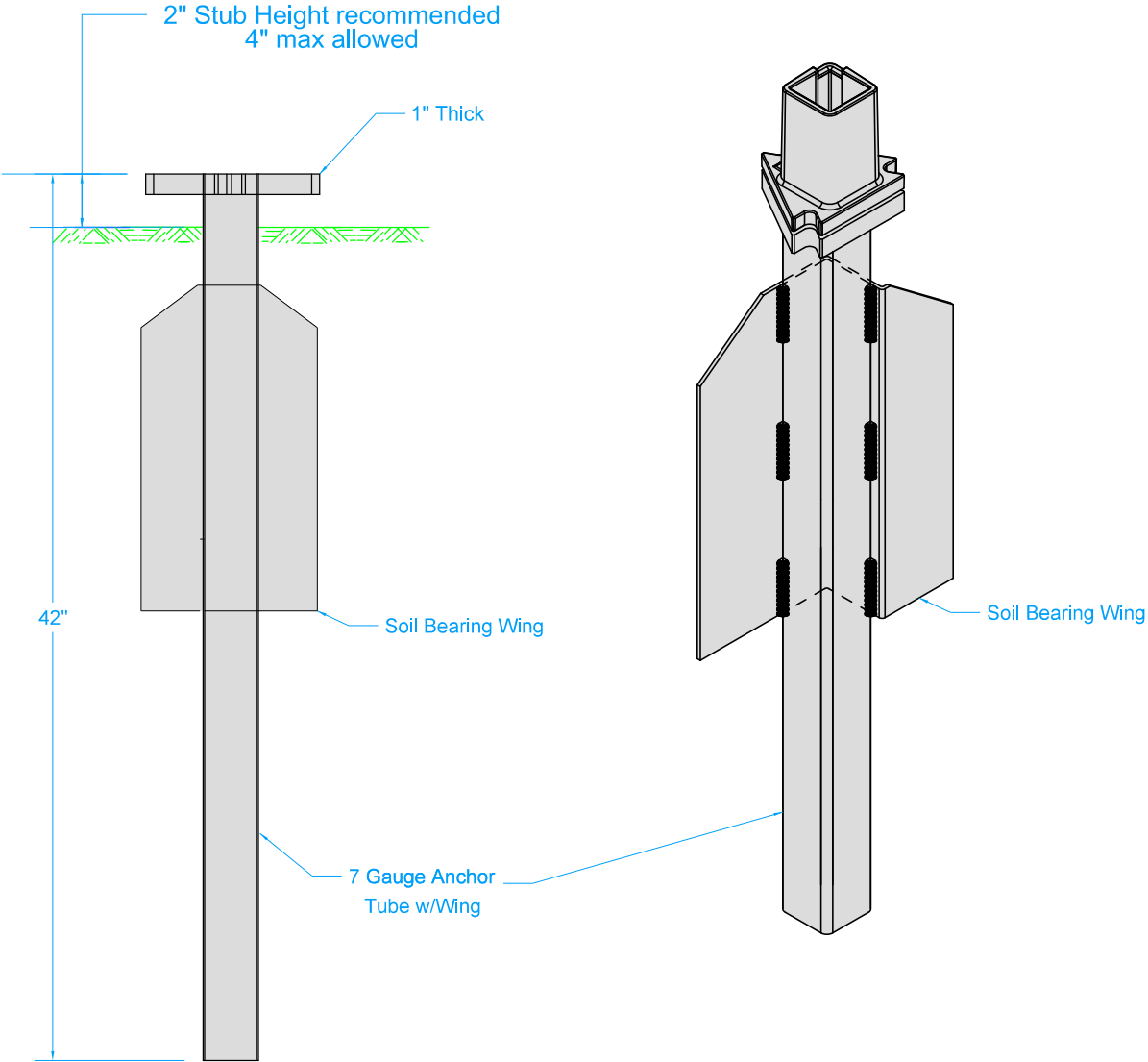


LINN COUNTY
(US-151/IA-13) LOCATIONS

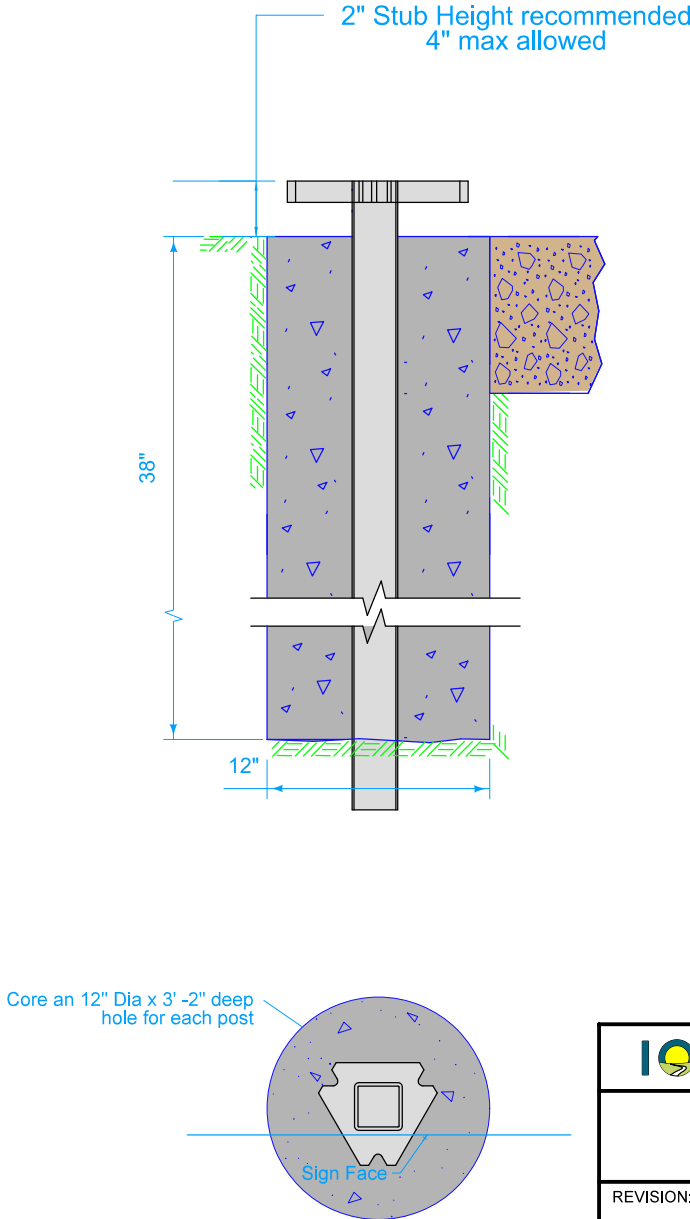



LOUISA/MUSCATINE
SCOTT COUNTIES
LOCATIONS

TYPE 3 INSTALLATION
(TRIANGULAR SLIP BASE SOIL)

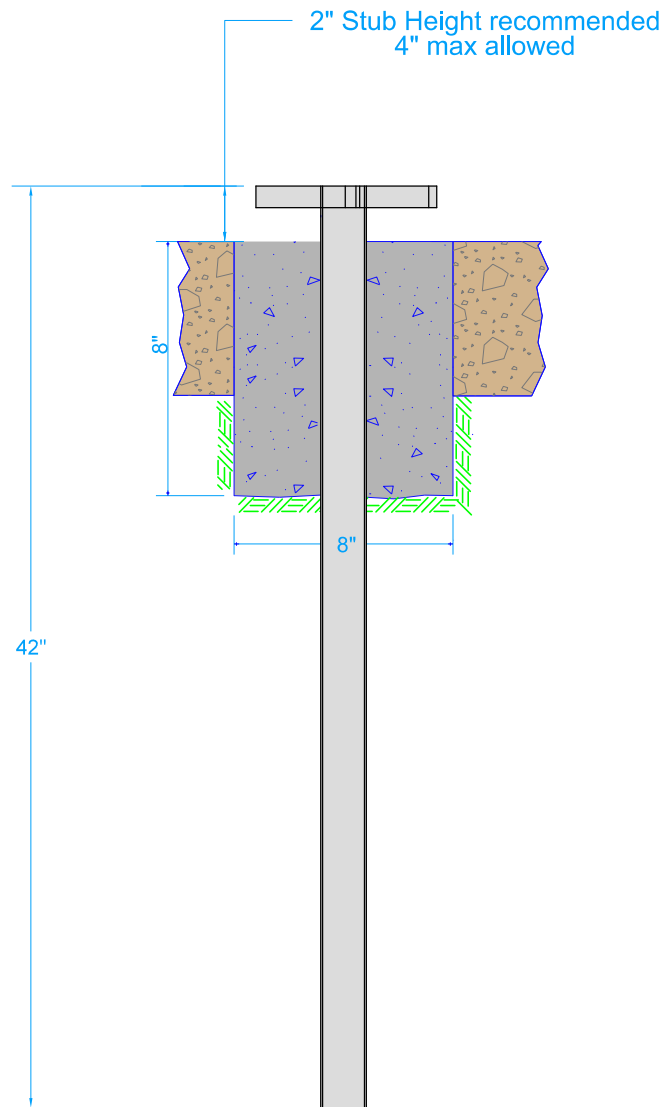


TYPE 4 INSTALLATION
(TRIANGULAR SLIP BASE CONCRETE)

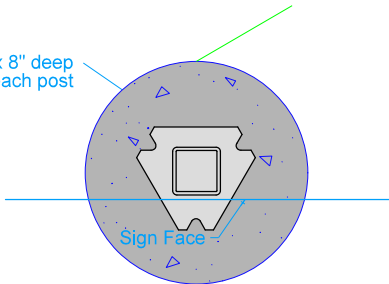


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	TAS STANDARD	
REVISION: __		
Support Structures - Perforated Square Steel Tube Anchor and Post		


TYPE 5 INSTALLATION
(TRIANGULAR SLIP BASE CONCRETE)

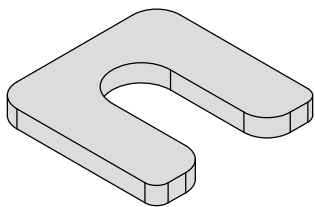


Core an 8" Dia x 8" deep
hole for each post

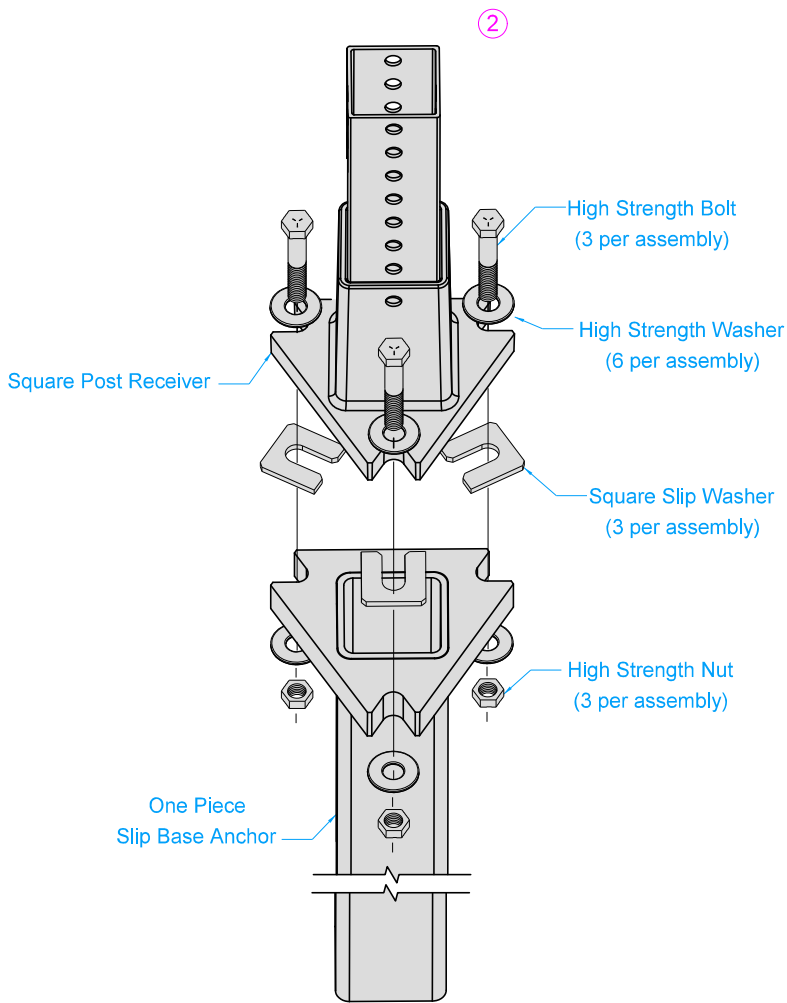


① Used in concrete islands.

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	TAS STANDARD	
REVISION: __		
Support Structures - Perforated Square Steel Tube Anchor and Post		

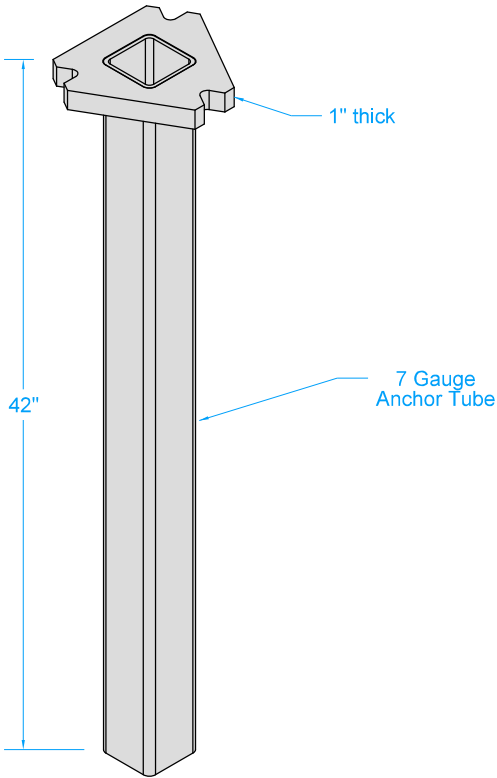


1 3/4" SQUARE X 3/16"
SQUARE SLIP WASHER

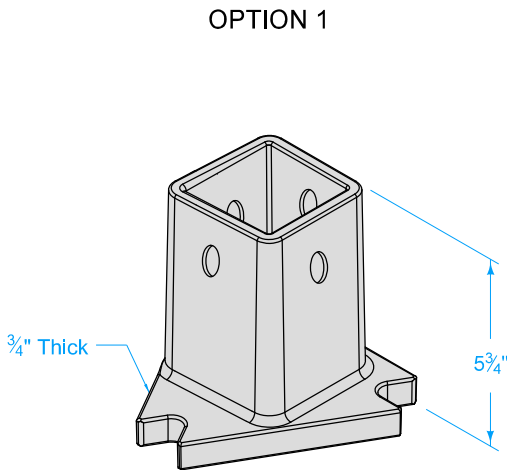


EXPLODED VIEW
SLIP BASE, RECEIVER AND
CONNECTION HARDWARE

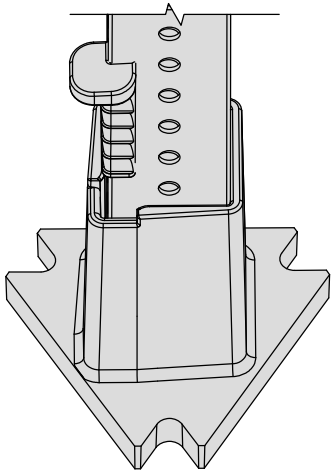
ONE PIECE
SLIP BASE ANCHOR




- ① Type III/IV installation
② Fastener size and installation procedure shall be according to manufacturer's recommendation.

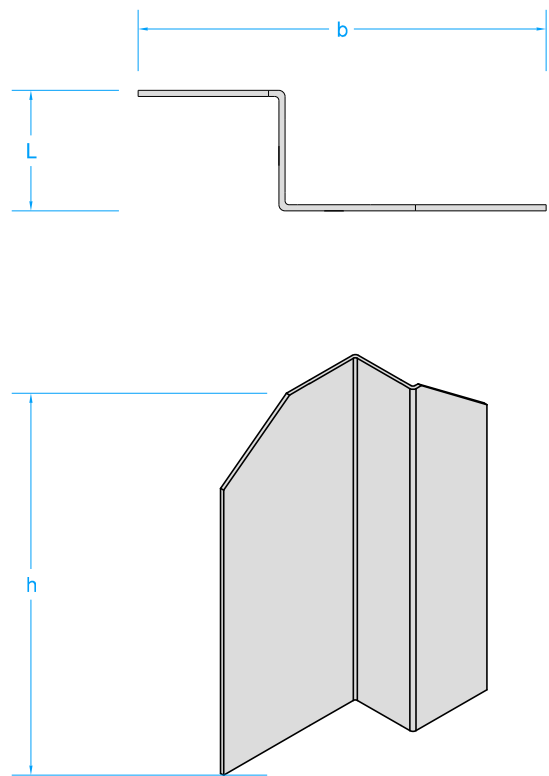
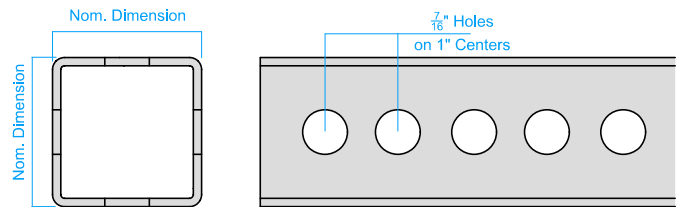


2 1/2" SQUARE POST RECEIVER



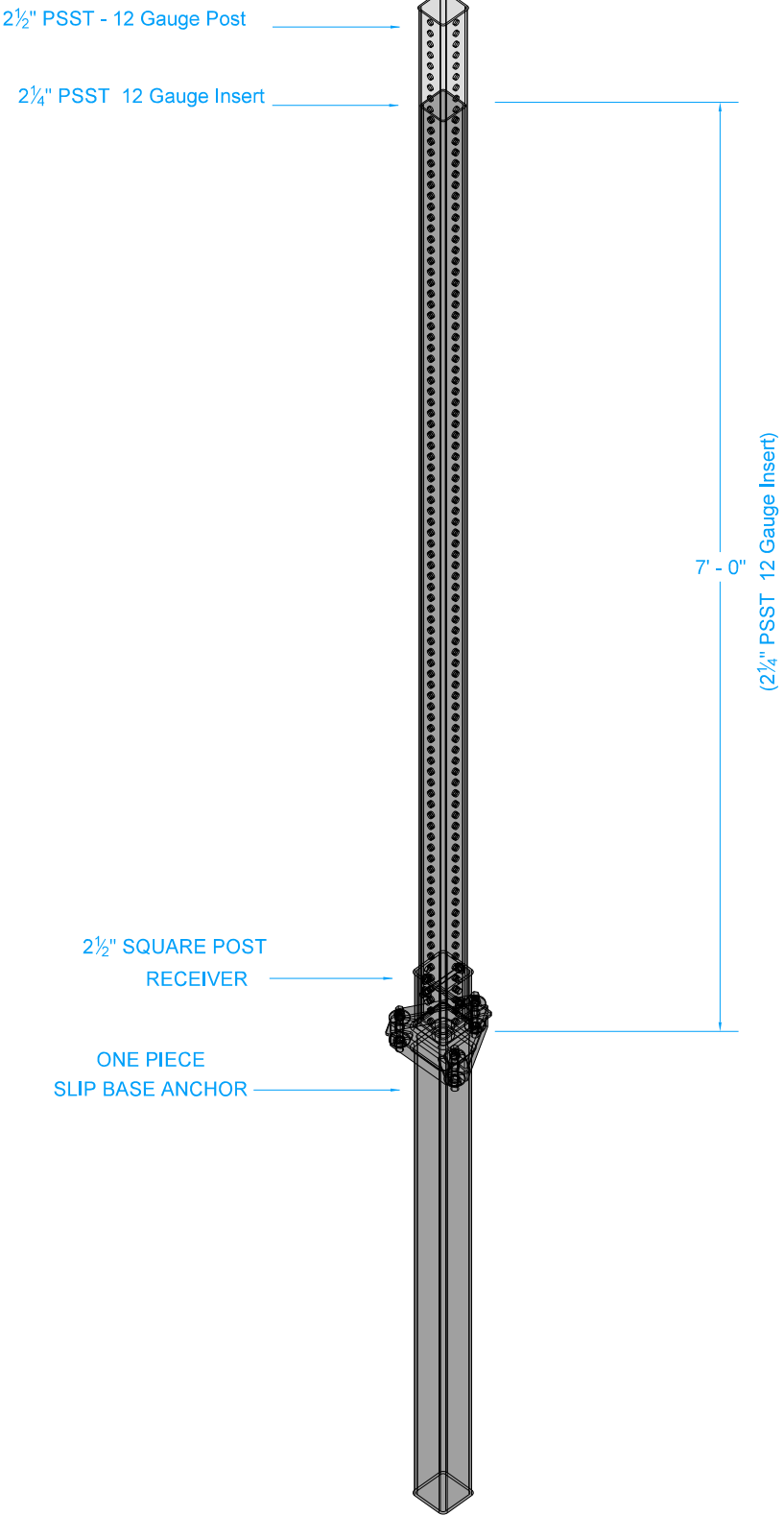
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	TAS STANDARD	
REVISION: __		
Support Structures - Perforated Square Steel Tube Anchor and Post		

PERFORATED STEEL SQUARE TUBE POST DETAILS

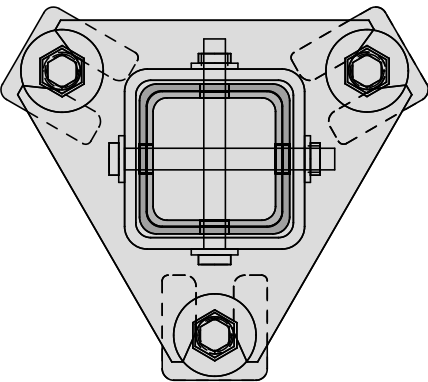
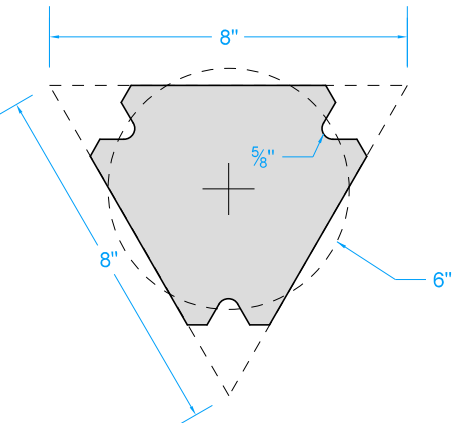


SOIL BEARING WING


SLIP BASE WITH NESTED PERFORATED SQUARE STEEL TUBE POST^①



SLIP PLATE DIMENSIONS^①

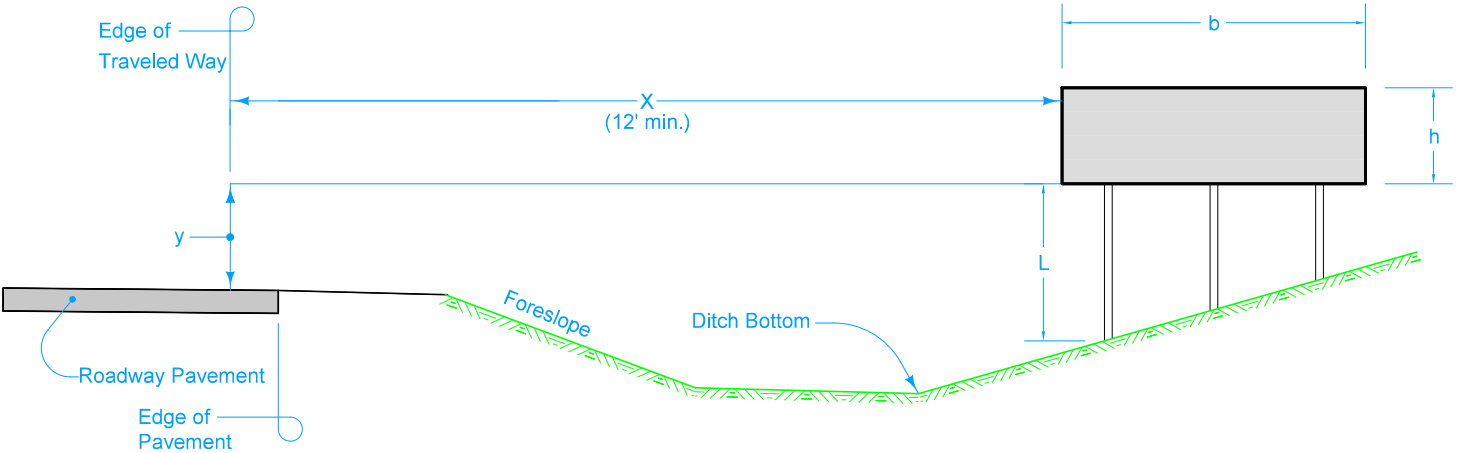


^① Type III/IV installation only


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REVISION: __				
Support Structures - Perforated Square Steel Tube Anchor and Post				

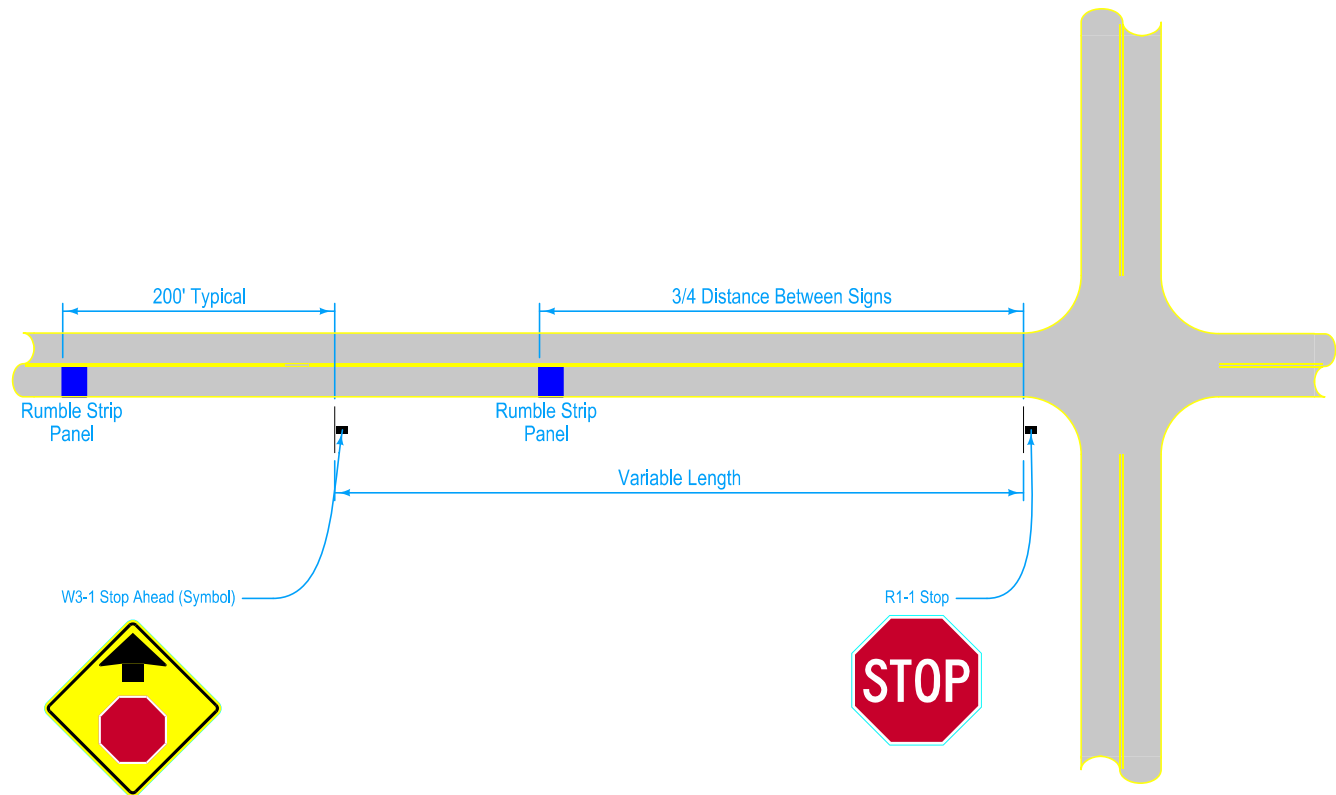
Note: The sign centroid is equivalent to $L + h/2$, (length of the longest post from the ground to the bottom of the sign plus the half the height of the sign.) and the Sign Area Yielding Design is the maximum area that the corresponding sign can have without failure. Sign Area is equivalent to $b \times h$.

POST LOADING FOR PERFORATED SQUARE STEEL TUBE POSTS						
SIGN CENTROID (FT)	SIGN AREA (SQ-FT) YIELDING DESIGN					
	TYPE 1 TYPE 2	TYPE 3/TYPE 4 (SLIP BASE REQUIRED)				
		2 1/2" x 12ga		2 1/4" x 12ga inserted into a 2 1/2" x 12 ga		
		1 Post	2 Post	3 Post	1 Post	2 Post
16.5	10.44	20.88	31.32	18.78	37.56	56.34
16	10.76	21.52	32.28	19.36	38.72	58.08
15.5	11.11	22.22	33.33	19.99	39.98	59.97
15	11.48	22.96	34.44	20.65	41.3	61.95
14.5	11.87	23.74	35.61	21.36	42.72	64.08
14	12.3	24.6	36.9	22.13	44.26	66.39
13.5	12.75	25.5	38.25	22.95	45.9	68.85
13	13.24	26.48	39.72	23.83	47.66	71.49
12.5	13.77	27.54	41.71	24.78	49.56	74.34
12	14.35	28.7	43.05	25.82	51.64	77.46
11.5	14.97	29.94	44.91	26.94	53.88	80.82
11	15.65	31.3	46.95	28.16	56.32	84.48
10.5	16.4	32.8	49.2	29.5	59	88.5
10	17.22	34.44	51.66	30.98	61.96	92.94
9.5	18.12	36.24	54.36	32.61	65.22	97.83
9	19.13	38.26	57.39	34.42	68.84	103.26
8.5	20.26	40.52	60.78	36.45	72.9	109.35
8	21.52	43.04	64.56	38.72	77.44	116.16



- ① Adapted from AASHTO Standard Specifications for - Highway Signs, Luminaires, and Traffic Signals. 6th Edition 2013. <Rev B 4/7/14>
- ② 90 MPH Wind Load

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REVISION: __		
Support Structures - Perforated Square Steel Tube Anchor and Post		




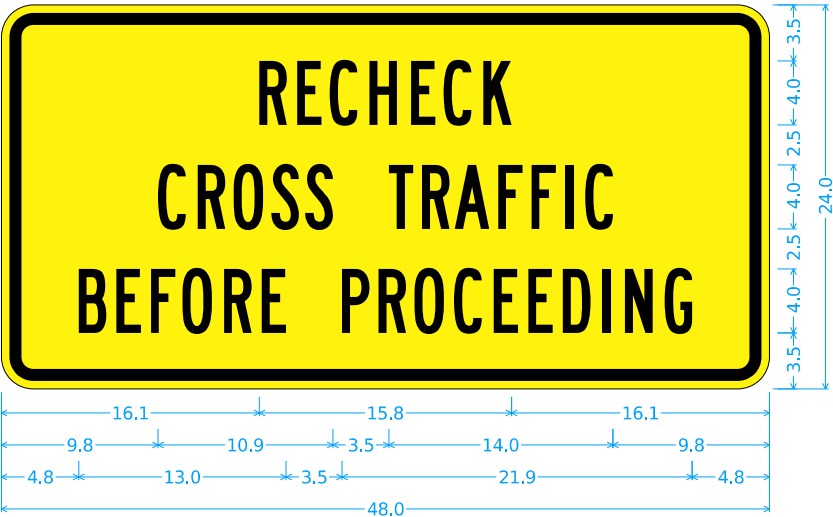
This is a typical layout. Additional route signing may be required.

Only one direction of travel shown.

The distances given are for a rural application and may vary to fit existing conditions.

Additional information may be found in:
Design Manual Chapter 6a-07
TAS Manual Chapter 18A-1
Standard Road Plan PV-10

 IOWA DOT	REVISION	
	1	10-05-15
	TAS-809	
TYPICAL SIGNING LAYOUT	TAS STANDARD	
REVISION: __		
Rumble Strip Panel Location and Signing		



W4-4 (MOD);
2.0" Radius, 0.8" Border, 0.5" Indent, Black on Fluorescent Yellow;
"RECHECK", B 2K; "CROSS TRAFFIC", B 2K; "BEFORE PROCEEDING", B 2K;

W4-4 (MOD)
SIGN DETAIL

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Division 1 : Traffic Signs and Pavement Markings
Division 2 : Milled Rumble Strip Panels, Benton County LPA
Division 3 : Milled Rumble Strip Panels, Dubuque County LPA
Division 4 : Milled Rumble Strip Panels, Tama County LPA

Item no.	Item Code	Item	Unit	Quantities					Estimate Reference Notes
				Estimated					
				Division 1	Division 2	Division 3	Division 4	Total	
1	2301-9091000	RUMBLE STRIP PANEL (PCC SURFACE)	EACH		8	5		13	
2	2303-9091010	RUMBLE STRIP PANEL (HMA SURFACE)	EACH		2	9		11	
3	2524-6765210	REMOVAL OF TYPE A SIGN ASSEMBLY	EACH	183				183	Refer to Tabulation 190-62 for location and details. This item for the removal of Type A Sign Assemblies, including the sign panels, sign brackets, supporting structures and hardware. Contractor shall carefully dismantle each sign assembly. Sign posts, brackets and hardware shall become property of the Contractor. Sign panels shall become property of the DOT and shall be delivered to the nearest DOT maintenance facility as directed by the Engineer. All holes resulting from removal of post shall be filled level with the adjacent grade with backfill material conforming to the Standard Specifications. Measurement: The Engineer will count the number of sign assemblies removed. Payment: The Contractor will be paid the contract unit price for each sign assembly removed.
4	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS	LF	16,714				16,714	Refer to Tabulation(s) 190-50 and/or 190-51 for locations and details.
5	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION	EACH	2				2	Refer to Tabulations 190-50 and/or 190-51 for locations and details.
6	2524-9276027	PERFORATED SQUARE STEEL TUBE POST ANCHOR, TRIANGULAR SLIP BASE ASSEMBLY	EACH	969				969	Refer to Tabulation(s) 190-50 and/or 190-51 for locations and details.
7	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	SF	11,168.1				11,168.1	Refer to Tabulation 190-51 and 190-66 for locations and details.
8	2527-9263155	PRE-CUT SYMBOLS AND LEGENDS, PREFORMED THERMOPLASTIC MARKING MATERIAL	EACH	496				496	Refer to tabulation, Improvement Package Typical and intersection details for locations and details.
9	2527-9263181	PAVEMENT MARKINGS REMOVED	STA	36.8				36.8	
10	2527-9263225	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATERIAL	STA	2,444				2,444	

Item no.	Item Code	Item	Unit	Quantities					Estimate Reference Notes
				Estimated					
				Division 1	Division 2	Division 3	Division 4	Total	
11	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	3,837.3				3,837.3	
12	2527-9270120	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	496				496	
13	2528-8445110	TRAFFIC CONTROL	LS	1				1	Refer to Traffic Control Plan on Sheets J.1-J.2.
14	2533-4980005	MOBILIZATION	LS	1				1	--
15	2548-0000110	ASPHALT EMULSION FOR FOG SEAL (SHOULDER RUMBLE STRIPS)	GAL		3.2	35.2		38.4	Quantity noted is for undiluted asphalt emulsion.
16	2599-9999005	('EACH' ITEM) SINUSOIDAL RUMBLE STRIP PANEL (HMA SURFACE)	EACH			1		1	Refer to Tabulation 112_07 and Standard Road Plan PV-10 for locations and details. MEASUREMENT: By count for Rumble Strip Panels properly installed at locations designated on the contract documents. PAYMENT: Each. Payment is full compensation for construction of the panels as detailed on the contract documents.
17	2599-9999005	('EACH' ITEM) SINUSOIDAL RUMBLE STRIP PANEL (PCC SURFACE)	EACH		2	3	2	7	Refer to Tabulation 112_07 and Standard Road Plan PV-10 for locations and details. MEASUREMENT: By count for Rumble Strip Panels properly installed at locations designated on the contract documents. PAYMENT: Each. Payment is full compensation for construction of the panels as detailed on the contract documents.
18	2599-9999009	('LINEAR FEET' ITEM) RETROREFLECTIVE CONSPICUITY SHEETING , RED, 2-INCH WIDTH	LF	3,968				3,968	Contractor shall provide and install the 2" width Red Conspicuity Sheeting to sign posts as noted in the project plans. All materials shall conform to Section 4186 of the Standard Specifications for permanent highway signing. MEASUREMENT: By length of 2" wide sheeting provided and installed by the Contractor PAYMENT: Linear Foot. The Contractor shall be paid the contract unit price per linear foot of 2" wide conspicuity sheeting provided and installed correctly.

<div>259_01 10/15/25</div> <div>SIGNING NOTES</div>		<div>259_01 10/15/25</div> <div>SIGNING NOTES</div>		<div>259_01 10/15/25</div> <div>SIGNING NOTES</div>		<div>259_01 10/15/25</div> <div>SIGNING NOTES</div>										
<p>The following tolerances will be allowed on all signs:</p> <p>Accumulation error of not greater than +/-0.50" per line of copy, not greater than +/-0.50" for spacing between lines of copy, and the margin between lines of copy and the inside edge of the sign border.</p> <p>The following tolerances will be allowed on each letter or numeral:</p> <table><tr><td>nominal height</td><td>variation in height</td><td>variation in width</td></tr><tr><td>4" thru 12"</td><td>-1/8" to +3/8"</td><td>-1/4" to +1/4"</td></tr><tr><td>over 12"</td><td>-1/8" to +3/8"</td><td>-3/8" to +3/8"</td></tr></table> <p>-----</p> <p>Type B signs can be separated into two categories:</p> <ul style="list-style-type: none">- Major Guide Signs.- Minor Guide Signs. <p>Major Guide Signs include the advance and exit direction guide signs for an interchange or intersection.</p> <p>Minor Guide Signs include all other guide signs such as NEXT EXIT signs, supplemental guide signs, logo signs, exit gore signs, post-interchange mileage signs, ramp destination signs, and ramp logo signs for an interchange, as well as destination signs along sideroads.</p> <p>Type A signs are not separated into categories, but special consideration should be given to regulatory signs.</p> <p>Do not remove Type B signs until replacement signs have been installed. If construction activities require the removal of a sign, the existing sign may be relocated to temporary posts, or a temporary plywood sign may be installed to replace the existing sign.</p> <p>Existing non-regulatory Type A signs are NOT required to remain in place until installation of replacement signs. Existing regulatory Type A signs, particularly Stop signs, should not be removed until replacement signs are installed. Where a staged traffic control plan is contrary to this guidance, follow the direction of the traffic control plan.</p> <p>Apply the following during the replacement or modification of signs:</p> <ul style="list-style-type: none">- No more than one of the major guide signs for each direction of travel at an interchange out of service at any one time.- No major guide sign out of service for more than 8 hours.- No minor guide out of service for more than 24 hours. <p>Remove existing signs and posts within 24 hours following the installation of a new replacement sign.</p> <p>In any case where the plans call for a new sign and posts to be installed at the same station location and offset as an existing sign, install the new posts at a minimum of either 5 ft ahead or behind the existing sign installation. Signs shall not be installed more than 25 ft ahead or behind the existing sign installation. Whenever posts for a replacement sign are erected directly in front of an existing sign, install the new replacement sign and remove the existing sign installation within 24 hours of the time that the new posts are erected.</p> <p>Where signs are located behind guardrail, locate the near edge of the sign a minimum of 3 ft behind the guardrail posts.</p>		nominal height	variation in height	variation in width	4" thru 12"	-1/8" to +3/8"	-1/4" to +1/4"	over 12"	-1/8" to +3/8"	-3/8" to +3/8"	<p>Unless noted otherwise, leave auxiliary panels, such as exit number panels, in place or reattach to the sign using the existing mounting hardware. Also, when replacing an existing logo sign with a new logo sign, remove the business logo panel(s) from the existing sign and attach to the new sign as directed by the Engineer. Do not damage the auxiliary or logo panels when removing and reattaching them. This work is incidental to other work and no separate payment will be made.</p> <p>The following notes apply to the corresponding sign installations shown on the plan sheets and listed in the tabulations.</p> <p>IB INSTALL NEW TYPE B SIGN IA INSTALL NEW TYPE A SIGN</p> <p>Install new signs at the location identified in the plans.</p> <p>For installation of new signs on an existing sign support structure, refer to note (L).</p> <p>For installation of new signs on existing posts:</p> <ul style="list-style-type: none">- if the new sign is taller than the existing sign, furnish the necessary hardware to extend the sign above the posts. Refer to Standard Road Plan SI-132.- if the new sign is shorter than the existing sign:- for wood posts and perforated square tube posts, install the sign at the proper height and cut off the excess post length.- for MASSH-400 and steel breakaway posts, install the sign at the top of the posts. <p>For plywood signs, no vertical splices are allowed in signs less than or equal to 10 ft wide. No horizontal splices are allowed in signs less than or equal to 4 ft tall.</p> <p>Each new sign installed shall have a sticker applied to the back of the sign that shows the date the sign was installed. The Contractor shall supply the sticker for all contractor supplied signs. The DOT will supply date stickers on any signs supplied by the department.</p> <p>Payment for installing Type A signs or Type B signs includes furnishing hardware for mounting, extending signs above existing posts, and cutting posts to length.</p> <p>MS MODIFICATION OF EXISTING SIGNS</p> <p>For removal and/or installation of logo panels, and other sign modifications. Refer to the project plans and typical details for additional information.</p> <p>SC SIGN COVER</p> <p>For the installation or removal of temporary sign covers for the purposes of temporary traffic control. Sign covers shall completely cover the existing Sign. Care should be taken so that covers, fasteners, and installation practices do not damage the existing sign. Tape of any type shall not be applied to the sheeted face of the existing sign under any circumstances. Repair of damage to the existing sign caused by sign covers will be the responsibility of the Contractor.</p> <p>SO OVERLAY TYPE B GUIDE SIGNS MB INSTALL SPECIAL MOUNTING BRACKET</p> <p>Install special mounting brackets at the locations identified in the plans. Refer to Tabulations 190-51 and/or 190-65.</p>		<p>PB INSTALL NEW BREAKAWAY STEEL POSTS AND FOOTING PP INSTALL NEW PERFORATED SQUARE TUBE POSTS AND ANCHORS PM INSTALL NEW MASSH-400 POSTS AND ANCHORS</p> <p>Install new breakaway steel posts and footings, perforated square tube posts and anchors, or MASSH-400 posts and anchors at the locations identified in the plans. Refer to the Standard Road Plans, Typicals, and Tabulations 190-51 and 190-50 for post size and footing information.</p> <p>New posts shall be installed in undisturbed soil. The new posts shall not be placed in the hole of removed posts.</p> <p>Remove excess soil from footing hole. Do not spread soil on adjacent seeded or vegetated areas.</p> <p>If note (RR) accompanies (PB), (PP), or (PM), install an existing sign on the new posts.</p> <p>RR REMOVE AND REINSTALL SIGN AS PER PLAN</p> <p>Do not remove existing major Type B guide signs on posts until the new posts are installed. Promptly remove sign and install at the new location.</p> <p>Existing major Type B guide signs on overhead support structures, minor Type B guide signs, plywood signs, and Type A signs may be removed and stored. Transport the signs to a DOT storage area as designated by the Engineer. Transport the signs back to the job site when ready for installation at the new location.</p> <p>Signs to be reinstalled shall not be stored for any length of time with the sheeted face in contact with the ground.</p> <p>Replace signs damaged by the Contractor's activities at no additional cost to the Contracting Authority.</p> <p>Payment for Remove and Reinstall Sign includes sign removal, delivery to and from the DOT storage area (if applicable), and reinstallation, including any hardware required for reinstallation. When noted in the plans, payment for delivery and stockpile of existing signs will be separate from the payment for Remove and Reinstall Sign.</p> <p>RA REMOVAL OF TYPE A SIGN ASSEMBLY RB REMOVAL OF TYPE B SIGN ASSEMBLY</p> <p>Type A Sign Assembly consists of one or more signs installed on one or more posts, either directly mounted to the post or mounted to the post with special sign mounting brackets.</p> <p>Type B Sign Assembly consists of the main sign, all auxiliary signs and brackets, and posts.</p> <p>Unless stated otherwise in the plans, remove all posts with the signs and brackets.</p> <p>Remove each sign assembly identified in the plans. Sign posts removed become the property of the Contractor. All other materials removed remain the property of the DOT.</p> <p>For each sign assembly removed, disassemble each assembly before delivering to the DOT.</p> <p>* For Type A sign assemblies, unbolt all signs,</p>		<p>special mounting brackets, and posts from each other.</p> <p>* For Type B assemblies, unbolt all extruded aluminum panels, brackets, and posts from each other. Do not damage the disassembled materials.</p> <p>When the plans call for the removal of posts, the entire existing post shall be removed. The post shall not be broken off or cut off at the ground line. Place backfill in holes remaining from the removal of posts and restore to the surrounding conditions.</p> <p>Deliver the removed signs, special sign mounting brackets, and extruded aluminum panels to a DOT storage area, as designated by the Engineer.</p> <p>The concrete footings for steel posts are not considered part of the sign assembly. Refer to note RF for concrete footing removal.</p> <p>Payment for Removal of Type A Sign Assembly or Removal of Type B Sign Assembly includes sign assembly removal and disassembly, post removal (if applicable), delivery to the DOT storage area, placing backfill in holes, and restoration of the surrounding conditions.</p> <p>RF REMOVE EXISTING CONCRETE FOOTING FOR STEEL POST</p> <p>Remove existing concrete footings to a depth of at least 1 ft below the natural groundline. Place backfill in holes remaining from removal and restore to the normal surrounding conditions. This work is incidental to other work and no separate payment will be made.</p> <p>RS REMOVE EXISTING TYPE B SIGN SUPPORT STRUCTURE</p> <p>The following are considered Type B Sign Support Structures:</p> <ul style="list-style-type: none">- Overhead sign trusses and foundations- Cantilever sign trusses and foundations- Bridge-mounted brackets <p>Unless stated otherwise in the plans, existing overhead trusses, cantilever trusses, and bridge brackets which are removed become the property of the Contractor. If stated in the plans, deliver overhead trusses, cantilever trusses, and bridge brackets to a DOT storage area, as designated by the Engineer.</p> <p>Payment for Removal of Sign Support Structure and Foundation includes sign support structure removal, delivery to the DOT storage area (if applicable), and restoration of the surrounding conditions. Removal of the foundation includes removal of the stem to a minimum of 1 ft below the natural groundline.</p> <p>L MODIFY SIGN SUPPORT ANGLES NEEDED TO INSTALL SIGNS ON EXISTING SIGN SUPPORT STRUCTURES</p> <p>Refer to the sign support structure details for information on the required angle brackets.</p> <p>Provided all specifications are met, the existing sign support angles may be reused. Install existing sign support angles to be reused only on the sign support structure from which they were removed.</p> <p>Sign support angles removed and not reused become the property of the Contractor.</p>	
nominal height	variation in height	variation in width														
4" thru 12"	-1/8" to +3/8"	-1/4" to +1/4"														
over 12"	-1/8" to +3/8"	-3/8" to +3/8"														
FILE NO.	ENGLISH	DESIGN TEAM	Fobian\Kenton	STATEWIDE	COUNTY	PROJECT NUMBER	HSIPX-000-T(415)- - 3L-00	SHEET NUMBER	C.3							

SIGNING NOTES

When reusing the existing sign support angles with a shorter replacement sign, the sign support angles may need to be trimmed. Refer to the sign support details to determine if and where to trim the sign support angles.

Do not use existing fasteners. Use new U-Bolts, stainless steel bolts and nuts to install the existing or new sign support angles to the sign support structure.

Removal of existing sign support angles is incidental to removal of the sign.

Reinstalling and/or modifying existing sign support angles; furnishing and installing new sign support angles (if required); and furnishing and installing new fasteners is incidental to work associated with Type B signs.

SIGN INSTALLATION QUALITY CONTROL NOTES

Post lengths have been derived from the proposed grading cross sections. Verify post lengths in the field prior to ordering or fabrication.

Slight differences between the design template and the actual conditions should be expected. These variations should be resolved by doing some localized shaping and grading. Obtain material needed to meet the site requirements of SI-112 from the excavation and/or the area immediately adjacent to the work. Ensure reshaping work does not substantially change foreslopes or the drainage in the vicinity of the sign.

Significant differences between the plan design and the actual field conditions shall be resolved in this manner:

Survey the location and draw the actual template on the cross section. Recalculate each post length and compare to the maximum allowable leg length. If all of the maximum leg lengths are less than or equal to the maximum allowable leg length, then the proposed post design will be sufficient. If any leg is greater than the maximum allowable leg length, then submit the cross section with the actual template drawn (including offsets and elevation from the survey shown) to the Engineer. The Engineer may forward this information to the Engineer of Record in order to complete a new post design.

Install the footings, stub posts, and posts according to the tolerances shown on the applicable SI Series Standard Road Plans.

Footing construction is the controlling activity that substantially affects the quality of the site installation. Verify the elevation difference between the stubs is exactly the same as the elevation difference between the post lengths. If the Engineer requests, submit documentation detailing the site cross section in order to verify site installation.

<div>105_04 4/21/26</div> <div>STANDARDS</div> <div>The following Standards apply to construction work on this project.</div>		
Number	Date	Title
SI-101	04-19-16	Locations - Type 'A' Signs
SI-119	10-17-17	Support Structures - Mounting Brackets
SI-131	10-18-16	Installation - Type 'A' Signs
SI-133	10-17-17	Installation - Type 'A' Sign Shim
SI-173	04-19-16	Object Markers
PR-110	10-21-14	PCC Crack and Joint Cleaning and Filling
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-760	10-15-24	Divided Multi-Lane Roadway Median
PV-10	04-21-20	Rumble Strip Panel for Intersection Approach
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-18-23	Work Within 15 ft of Traveled Way
TC-402	04-18-23	Work Within 15 ft of Traveled Way
TC-418	04-18-23	Lane Closure on Divided Highway
TC-211	10-15-19	Lane Closure on Low Volume Roadway

<div>108_29 4/15/25</div> <div>PAVEMENT MARKING SYMBOLS AND LEGENDS</div> <div>Refer to PM-111</div>							
Line No.	Roadway Identification	Station	Side	Pavement Symbol	Quantity (EA)	Groove Marking Needed?	Remarks
1.0	Sites noted below			FERW	496	Yes	

*Grooving for all FERW pavement marking symbols.
Refer to Improvement Package Typicals 13, 14, 23 and 24 on sheets N.2-N.5 for placement details.

<div>112_07 8/15/22</div> <div>RUMBLE STRIP PANELS</div> <div>Refer to Standard Road Plan PV-10.</div>					
Line No.	Roadway Identification	Station	Side	Pavement Type	Remarks
1.0	US-30/26th Ave (NB)		Right	Existing	Conventional (PCC)
2.0	US 30/26th Ave (NB)		Right	Existing	Conventional (PCC)
3.0	US-30/27th Ave (SB)		Left	Existing	Conventional (HMA)
4.0	US-30/27th Ave (SB)		Left	Existing	Conventional (HMA)
5.0	US-30/30th Ave (NB)		Right	Existing	Conventional (PCC)
6.0	US-30/30th Ave (NB)		Right	Existing	Conventional (PCC)
7.0	US-30/32nd Ave (SB)		Left	Existing	Sinusoidal (PCC)
8.0	US-30/32nd Ave (SB)		Left	Existing	Sinusoidal (PCC)
9.0	US-30/33rd Ave (SB)		Left	Existing	Conventional (PCC)
10.0	US-30/33rd Ave (SB)		Left	Existing	Conventional (PCC)
11.0	US-20/Hartbecke Rd (NB)		Right	Existing	Conventional (Seal Coat)
12.0	US-20/Hartbecke Rd (NB)		Right	Existing	Conventional (Seal Coat)
13.0	US-20/Dutch Lane Rd (NB)		Right	Existing	Conventional (Seal Coat)
14.0	US-20/Dutch Lane Rd (NB)		Right	Existing	Conventional (Seal Coat)
15.0	US-20/Cox Springs Rd (NB)		Right	Existing	Sinusoidal (PCC)
16.0	US-20/Cox Springs Rd (NB)		Right	Existing	Sinusoidal (PCC)
17.0	US-61/300th St (EB)		Right	Existing	Conventional (PCC)
18.0	US-61/300th St (EB)		Right	Existing	Conventional (PCC)
19.0	US-61/Merlin Rd (WB)		Left	Existing	Conventional (PCC)
20.0	US-61/Merlin Rd (WB)		Left	Existing	Conventional (PCC)
21.0	US-151/Driscoll Rd (SB)		Left	Existing	Conventional (Seal Coat)
22.0	US-151/Driscoll Rd (SB)		Left	Existing	Conventional (Seal Coat)
23.0	US-151/Callahan Rd (EB)		Right	Existing	Conventional (HMA)
24.0	US-151/Callahan Rd (EB)		Right	Existing	Conventional (HMA)
25.0	US-151/Ryan Rd (EB)		Right	Existing	Conventional (HMA)
26.0	US-151/Ryan Rd (EB)		Right	Existing	Conventional (PCC)
27.0	US-151/Military Rd-Cty D35 (SB)		Left	Existing	Sinusoidal (HMA)
28.0	US-151/Military Rd-Cty D35 (SB)		Left	Existing	Sinusoidal (PCC)
29.0	US-30/Co Rd T47 (SB)		Left	Existing	Sinusoidal (PCC)
30.0	US-30/Co Rd T47 (SB)		Left	Existing	Sinusoidal (PCC)

Refer to TAS-809 on Sheet B.6 for typical rumble strip panel placements.
In absence of 'STOP AHEAD' sign, place panels at 300' and 600' before stop sign.
Lines 1-10: Benton County LPA
Lines 11-28: Dubuque County LPA
Lines 29-30: Tama County LPA

108.22
11/25/25

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

Line No.	Road ID	Station From	Station To	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY4* Factored (STA)	BLW4 Factored (STA)	DCY4 Factored (STA)	ELY4 Factored (STA)	Remarks
1.0	ALL SITES				Thermoplastic				Yes						Refer to tabulation sheets C.7-C.12

190.51
2/10/23

MATERIALS FOR TYPE 'A' SIGNS

Refer to SI-101, SI-111, SI-119 and N Sheets.

Line No.	Type A Signing Typical	Sign Number	Dir. of Travel	Sign Location Station	Wood Posts (No.)	4 x 6 Leg 1 (FT)	4 x 6 Leg 2 (FT)	Perf. Sq. Steel Leg 1 (FT)	Perf. Sq. Steel Leg 2 (FT)	Perf. Sq. Steel Leg 3 (FT)	Perf. Sq. Anchor Type	Anchor Quantity (EA)	Steel Rect. Tube (No)	Steel Rect. Tube (FT)	Rect. Tube Anchors (EA)	Type A Bracket One Post	Type A Bracket Two Post	Type A Bracket Auxiliary	Type A Bracket (H)	Type A Bracket (F)	Type A Bracket (F1)	Install. Type	Install. Dim X (FT)	Install. Signing Notes	Remarks
1.0	ALL SITES																							RA, PP	Refer to tabulation sheets C.7-C.12
2.0																									
3.0	US-30/27th Ave	R6-1L						12.5	12.5		Concrete	2													Site 66
4.0		R6-1R																							
5.0		R1-1																							
6.0		R6-3																							
7.0		Cross Traffic Does Not Stop																							

190.62
2/13/23

EXISTING SIGNS TO BE REMOVED

Line No.	Sign Number or Description	Location Station	Direction of Travel	Type 'A' Sign Assembly (RA) (EA)	Type 'B' Sign Assembly (RB) (EA)	Type 'A' Remove and Reinstall (RR) (EA)	Type 'B' Remove and Reinstall (RR) (EA)	Concrete Foundation (RF) (EA)	Support Structure & Foundation (RS) (EA)	Applicable Signing Notes	Remarks
1.0	STOP SIGN ASSEMBLY		SB	1							US-30/CTY-W14 (Site #66)
2.0											
3.0	ALL OTHER SITES										Refer to tabulation sheets C.7-C.12

190.66
9/29/23

SUMMARY OF TYPE 'A' SIGNS

Line No.	Sign Number	Non-Standard Sign Number or Name	Quantity (EA)	Size (IN)	Total Sign Area (SF)
1.0	R1-1		1	48 x 48	16.0
2.0		R4-7b	202	36 X 48	2424.0
3.0		R5-1	199	42 X 30	1751.2
4.0		R5-1a	703	42 x 30	6186.4
5.0		R6-1L	1	54 x 18	6.8
6.0		R6-1R	1	54 x 18	6.8
7.0	R6-3		1	36 x 30	7.5
8.0	W4-4		87	36 X 18	391.5
9.0		W4-4 (MOD)	102	48 X 24	816.0
Total:					11606.2

FILE NO.	ENGLISH	DESIGN TEAM	Fobian\Kenton	STATEWIDE COUNTY	PROJECT NUMBER	HSIPX-000-T(415)--3L-00	SHEET NUMBER	C.6
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steve.kenton@dot.iowa.gov

							Signs										Pavement Markings (Install)						(Remove)			Notes
							Install										Remove									
							Plaque-Cross	Plaque-Recheck	WMD-Right	WMD-VWV	WMD-DNE	PSST Posts	Anchor		Conspicuity	Remove	WMD-DNE									
							W4-4	W4-4(Mod)	R4-7b	R5-1a	R5-1	TOTAL	Conc	Slipbase	Sheet LF	R5-1	DLW6	SLW2	YLW2	DCY6	SLW6	CHW10	FERW	SLW2	CHW10	Notes
Site No.	Group	Package	Road 1	Road 2	County	Maint. Dist.											(STA)	(STA)	(STA)	(STA)	(STA)	(STA)	(EA)			
208	US151/IA 13 - Linn	23	US151	CEDAR WOODS ROAD	57 - LINN	District 6				1	5	1	104		7	31	1	1.7655	1.12	0.52	0.9	2	0	4		
209	US151/IA 13 - Linn	13	US151	BLAINES CROSSING RD	57 - LINN	District 6	1	2		1	5	1	104		7	31	1	2.3925	2.4	0.00	1.2	2	0	4		
210	US151/IA 13 - Linn	23	US151	BERTRAM ROAD	57 - LINN	District 6				1	5	1	104		7	31	1	2.013	0.6	0.40	0.8	2	0	4		2
211	US151/IA 13 - Linn	34	US151	SUMMIT VIEW LANE	57 - LINN	District 6												3.003	2.4	0.40	0.6	3.5	0			
212	US151/IA 13 - Linn	23	US151	VERNON VALLEY DRIVE	57 - LINN	District 6				1	5	1	104		7	31	1	2.574	1.48	0.00	0	10.05	0	4		
213	US151/IA 13 - Linn	33	US151	WEAKLAND LANE	57 - LINN	District 6												1.023	0	0.00	0	1.8	0			
214	US151/IA 13 - Linn	24	US151	COTTAGE GROVE PKWY/E44	57 - LINN	District 6				2	6	2	148		8	31	2	3.036	2.68	0.00	0	3.2	1.002	4		
215	US151/IA 13 - Linn	33	US151	TRAVIS ROAD	57 - LINN	District 6												1.32	0	0.00	0	1.95	0			
216	US151/IA 13 - Linn	23	US151	MARTIN CREEK ROAD	57 - LINN	District 6												1.32	0.8	0.00	0	2	0			
217	US151/IA 13 - Linn	14	IA 13 S	KACENA AVENUE	57 - LINN	District 6	2	2		2	6	2	148		8	31	2	2.4585	1.8	0.58	0.5	3.1	0	4		
218	US151/IA 13 - Linn	24	IA 13 S	PRAIRIE RIDGE AVENUE	57 - LINN	District 6				2	6	2	148		8	31	2	3.1845	2.4	0.86	0.9	3.2	0	4		
219	US151/IA 13 - Linn	14	IA 13 S	29TH AVE/ FERNOW RD	57 - LINN	District 6	2	2		2	6	2	148		8	31	2	2.772	2.52	0.58	0.7	3.4	0	4		
220	US151/IA 13 - Linn	33	IA 13 S	REC DRIVE	57 - LINN	District 6												2.079	1.12	0.52	0.8	1.8	0			
221	US151/IA 13 - Linn	24	IA 13	RADIO ROAD/35TH AVE	57 - LINN	District 6				2	6	2	148		8	31	2	2.4585	1.2	0.69	0.4	3.45	0	4		
222	US151/IA 13 - Linn	34	IA 13	INDIAN CREEK WAY/W60	57 - LINN	District 6												2.937	0	0.69	0.7	3.2	0			
223	US151/IA 13 - Linn	34	IA 13 S	ARTESIAN ROAD	57 - LINN	District 6												2.5245	0	0.58	1	3.3	0			
224	US151/IA 13 - Linn	23	IA 13 N	PROSPECT DRIVE	57 - LINN	District 6				1	5	1	104		7	31	1	2.409	1.92	0.52	0.9	11.6	0	4		
225	US151/IA 13 - Linn	34	IA 13	PRAIRIE CHAPEL ROAD	57 - LINN	District 6												2.277	0	0.81	0.6	4.15	0			
226	US151/IA 13 - Linn	34	IA 13	AUSTIN ROAD	57 - LINN	District 6												2.7555	1.12	0.63	1.3	3.2	0			
227	US151/IA 13 - Linn	34	IA 13 S	INDIAN BRIDGE ROAD	57 - LINN	District 6												2.277	0	0.81	0.6	3.8	0			
228	US151/IA 13 - Linn	33	IA 13	TURNER ROAD	57 - LINN	District 6												2.0625	0	0.81	0.6	3.6	0			
229	US151/IA 13 - Linn	24	IA 13	BURNET STA. RD/E28	57 - LINN	District 6				2	6	2	148		8	31	2	6.006	2.8	0.69	0.6	6.95	1.002	4		
230	US151/IA 13 - Linn	33	IA 13 S	SCOTLAND ROAD	57 - LINN	District 6												2.4255	0	0.75	0.6	4.4	0			
231	US151/IA 13 - Linn	33	IA 13	ROUND GROVE ROAD	57 - LINN	District 6												2.574	0	0.75	0.6	3.8	0			
232	US151/IA 13 - Linn	24	IA 13 S	BUNKER HILL ROAD	57 - LINN	District 6				2	6	2	148		8	31	2	2.31	0	0.46	0.6	3.25	0	4		

NOTES						
1. Omit DCY6 from crossover pavement (skew)						
2. UAC offset chevron markings w/ lane lines						
3. Remove Stop Sign assembly in pavement. Install new Stop Sign Assembly in pavement. See Sheet N.1 for details and quantities.						
4. UAC existing KEEP RIGHT signs						
5. Deteriorated side road paving. No not install stop line.						
6. UAC existing Thermo. Groove/Install new Thermo where waterborne						
7. UAC Wrong-Way signing installed in prior project per standard						

108_23A
8/15/22

TRAFFIC CONTROL PLAN

Traffic shall be maintained at all times except as noted.

Traffic control on this project shall be in accordance with the Standard Road Plans included in Tabulation 105-4. For additional information, refer to Part 6 of the Manual on Uniform Traffic Control Devices and the Standard Specifications. The contractor shall coordinate traffic control with other projects in the area as needed.

No traffic control devices shall be placed before any of the time restrictions.

All lane and/or shoulder closures shall be coordinated with District Staff or as approved by the Engineer. For lane closure information, refer to Allowable Multi-lane Lane Closure Map on Sheet J.2

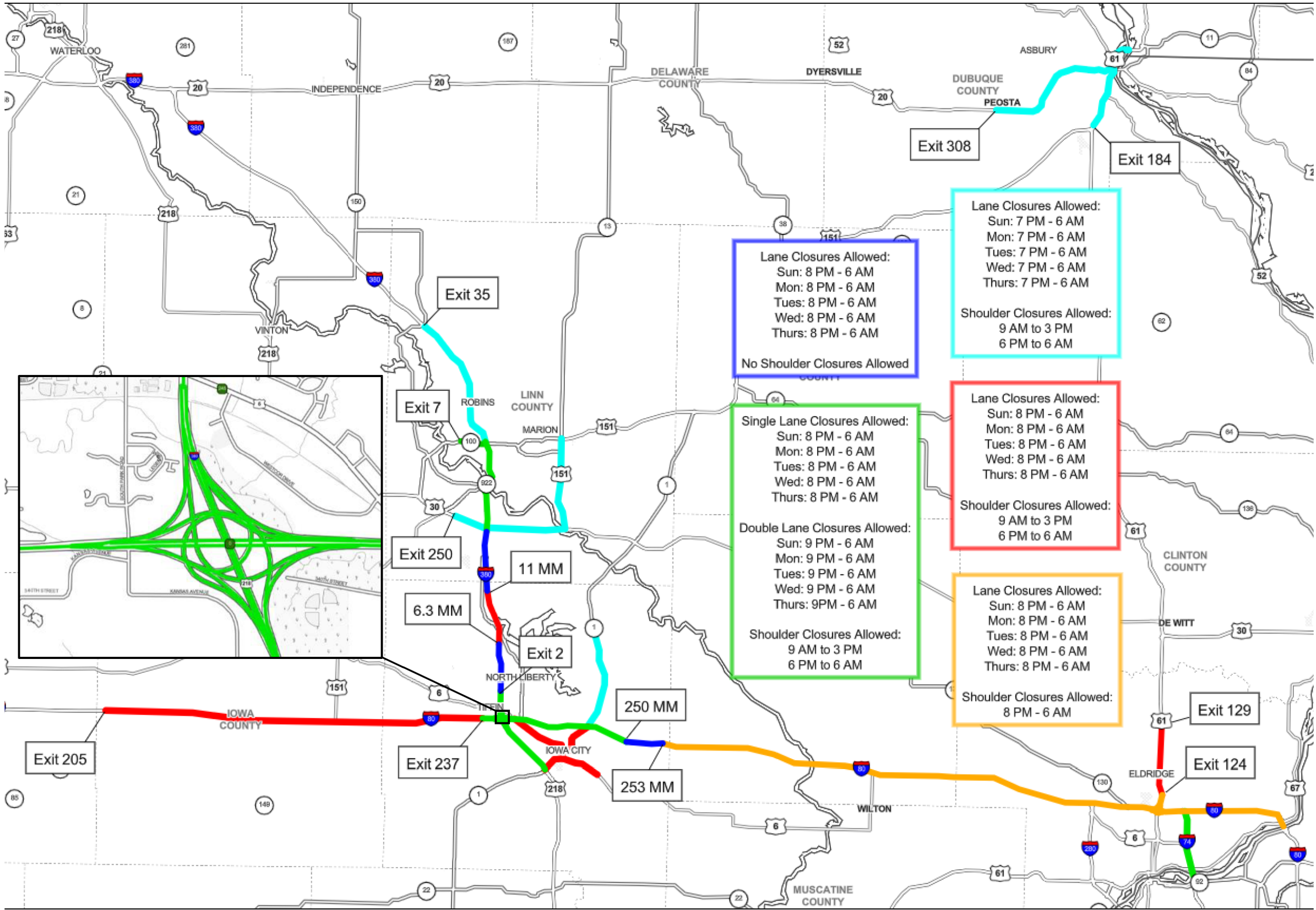
The contractor shall be responsible for coordinating traffic control with the applicable Highway Maintenance Supervisor (<https://iowadot.gov/about/districts>) and the Traffic Management Center (515-237-3300).

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
1.0				No Restrictions Anticipated				None					

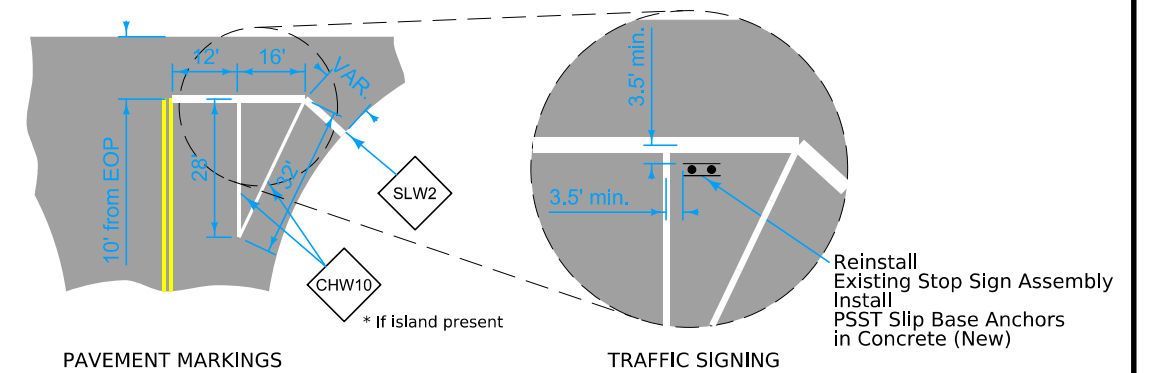
4/6/2026 1:40:15 PM

seve@iowadot.gov

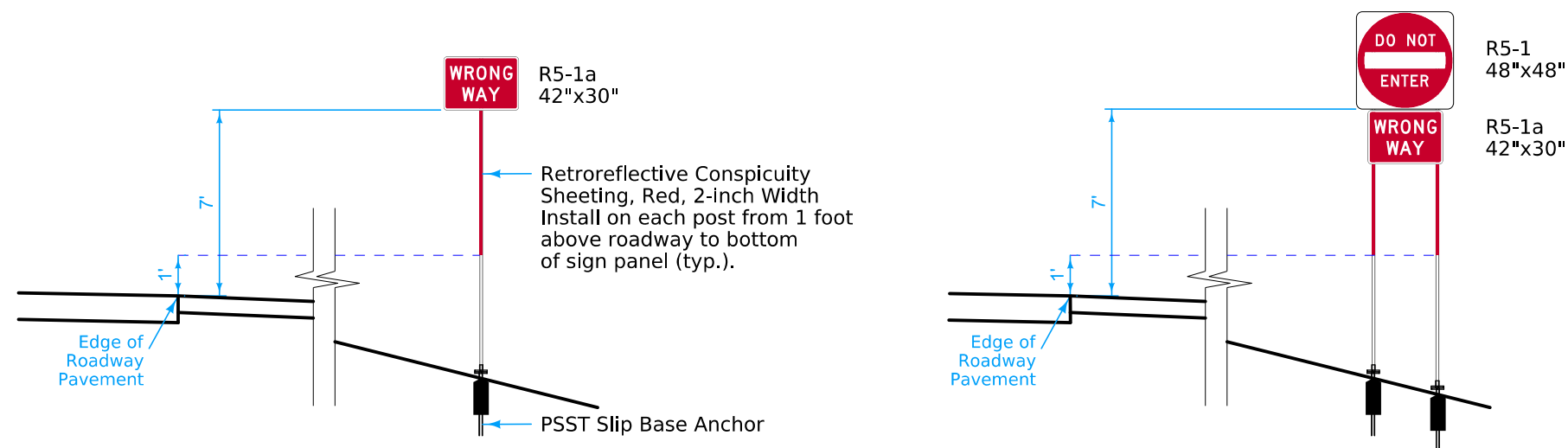
Allowable Lane Closure Map - DOT District 6



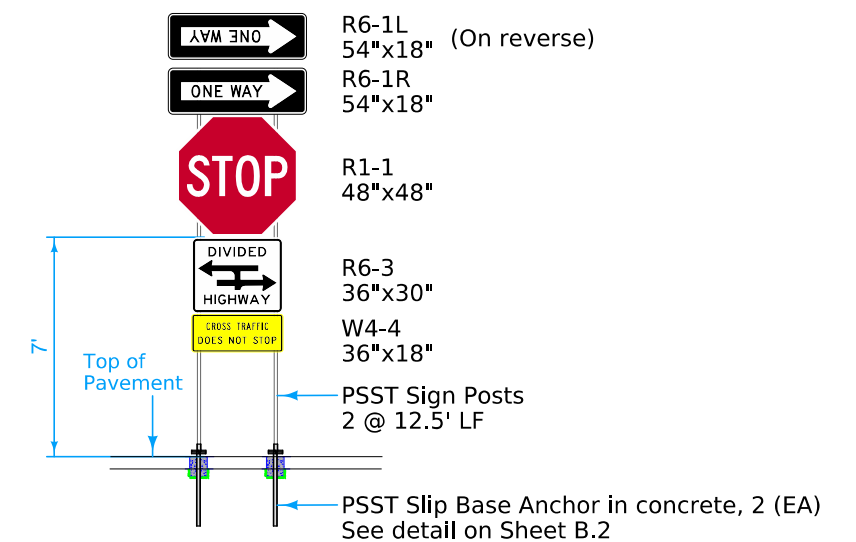
All parties are required to contact the Highway Maintenance Supervisor to verify any construction restrictions.



STOP LINE/PAINTED ISLAND DETAILS
FOR RELOCATED STOP LINES, PAINTED ISLANDS AND STOP SIGN ASSEMBLIES
NO SCALE

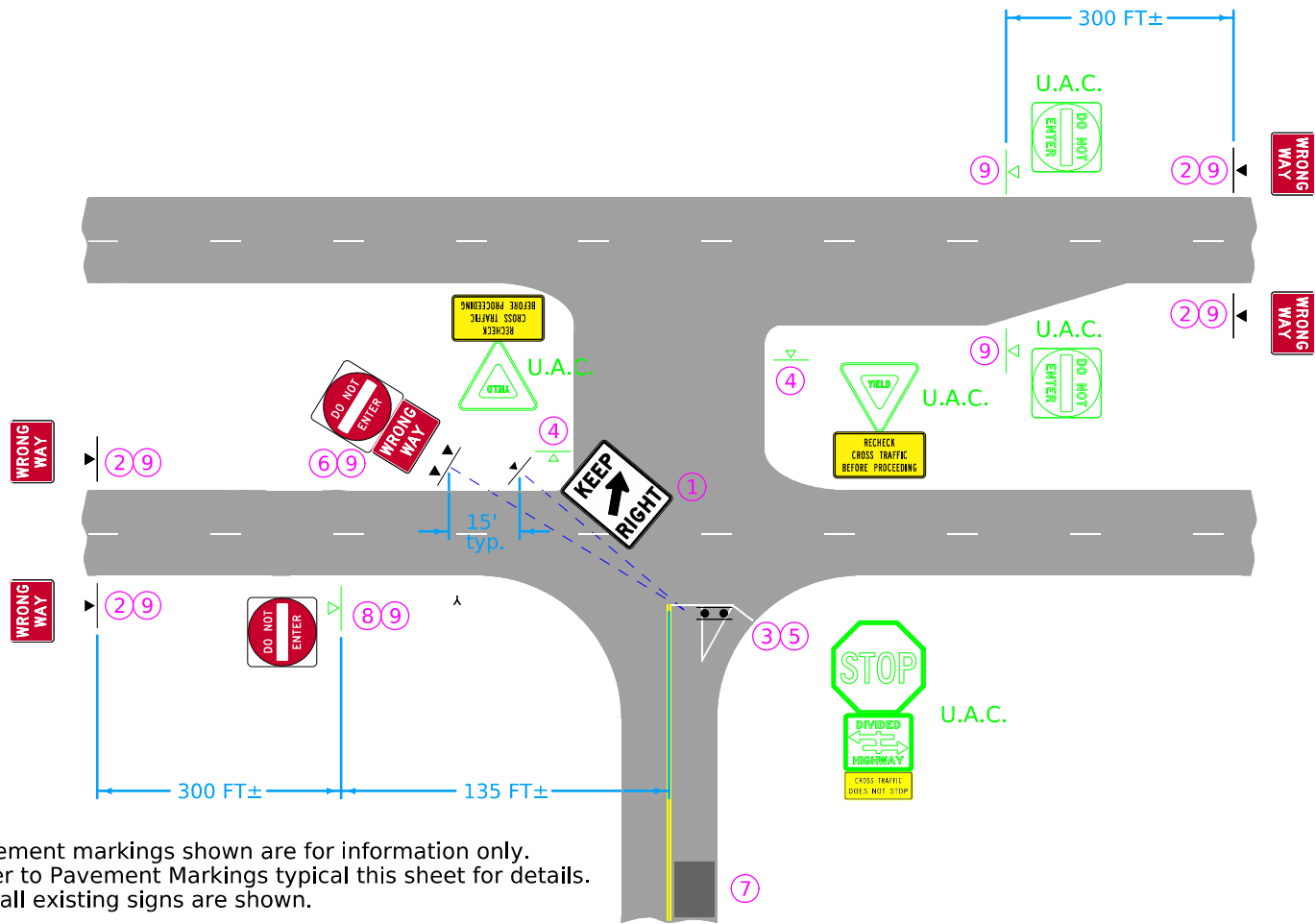


DO NOT ENTER/WRONG WAY SIGNING
WITH RETROREFLECTIVE CONSPICUITY SHEETING
NO SCALE



STOP SIGN ASSEMBLY
TYPICAL INSTALLATION IN PAVEMENT
NO SCALE

IOWA IDOT	
MISCELLANEOUS PROJECT DETAILS	MISC
APPLIED WHERE NECESSARY	



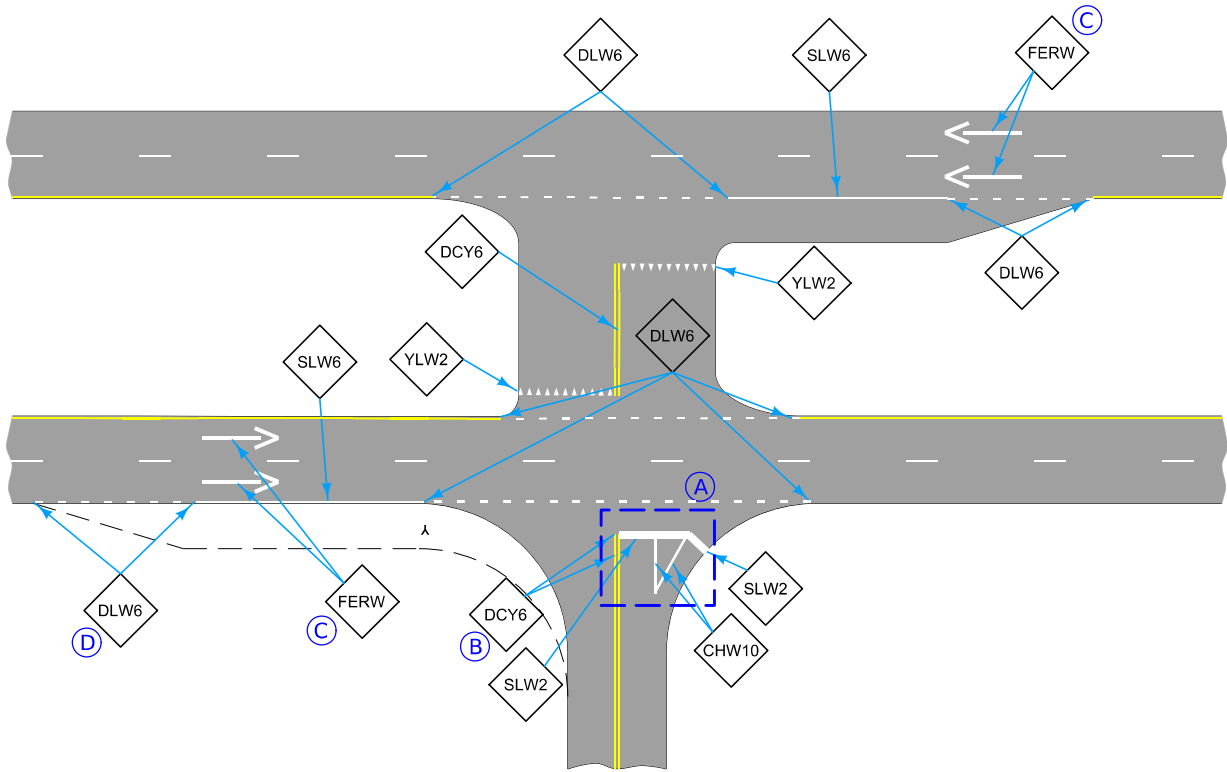
Pavement markings shown are for information only.
Refer to Pavement Markings typical this sheet for details.
Not all existing signs are shown.

- ① R4-7b (36"x48") Keep Right sign
Install sign on new PSST post with slip base anchor
Align sign with a point just in front of stop line
- ② R5-1a (42"x30") Wrong Way sign
Install sign on PSST post with slip base anchor
- ③ W4-4 (36"x18") Cross Traffic Does Not Stop
Install on existing sign posts
- ④ W4-4 (MOD) (48"x24") Recheck Cross Traffic sign
Install on existing sign post
- ⑤ Where relocation of stop line is required,
Remove and Reinstall signs on new posts and slip
base in concrete anchors
- ⑥ Remove existing Do Not Enter sign if present.
Install R5-1 (48"x48") Do Not Enter and
R5-1a (42"x30") Wrong Way Sign on new PSST Posts
with Slip Base Anchors
- ⑦ Rumble Strip Panels (where required)
Refer to Typical TAS-809 on Sheet B.6
- ⑧ U.A.C. Do Not Enter sign if present
Install new R5-1 (48"x48") Do Not Enter sign if not present
- ⑨ Install red retroreflective conspicuity sheeting to post(s)

TRAFFIC CONTROL SIGNING

Refer to Standard Road Plans PV-10, SI-101, SI-131 and SI-133

SIGN POST QUANTITIES		
Sign	PSST Post (LF)	Slip Base Anchor (EA)
R5-1a	15	1
R5-1a	15	1
R5-1a	15	1
R5-1a	15	1
R4-7b	12	1
TOTALS	72	5



- Ⓐ For relocation of stop lines and painted islands
See detail on Sheet N.1
- Ⓑ Extend marking to stop line where necessary
- Ⓒ Align Wrong Way Arrow marking with
Do Not Enter signs
- Ⓓ Add DLW6 dotted line where right turn lane
is present

LEGEND

CHW10 = Channelizing Line, White
DCY6 = Double Centerline, Yellow
DLW6 = Dotted Line, White
SLW6 = Solid Lane Line, White
FERW = Freeway, Expressway and Ramp Arrow, White
SLW2 = Stop Line, White
YLW2 = Yield Line, White

PAVEMENT MARKINGS

Refer to Standard Road Plans PM-110, PM-111, PM-115, PM-116, PM-120 and PM-760

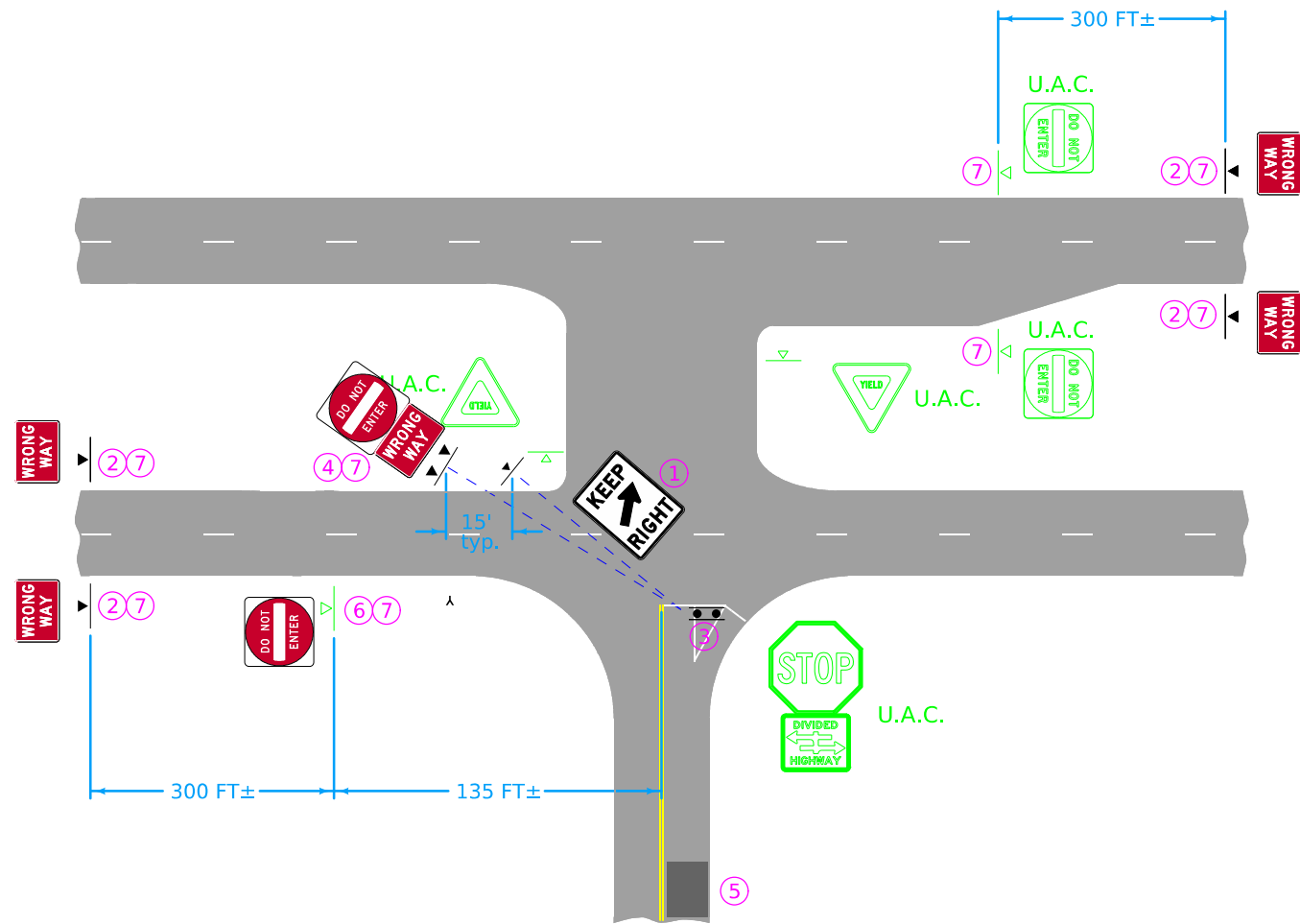
IOWA IDOT

IMPROVEMENT
PACKAGE TYPICAL

13

IMPROVEMENT LEVEL '1'
THREE LEG INTERSECTION

Signing and Markings Improvements
for Intersection with Paved Sideroad



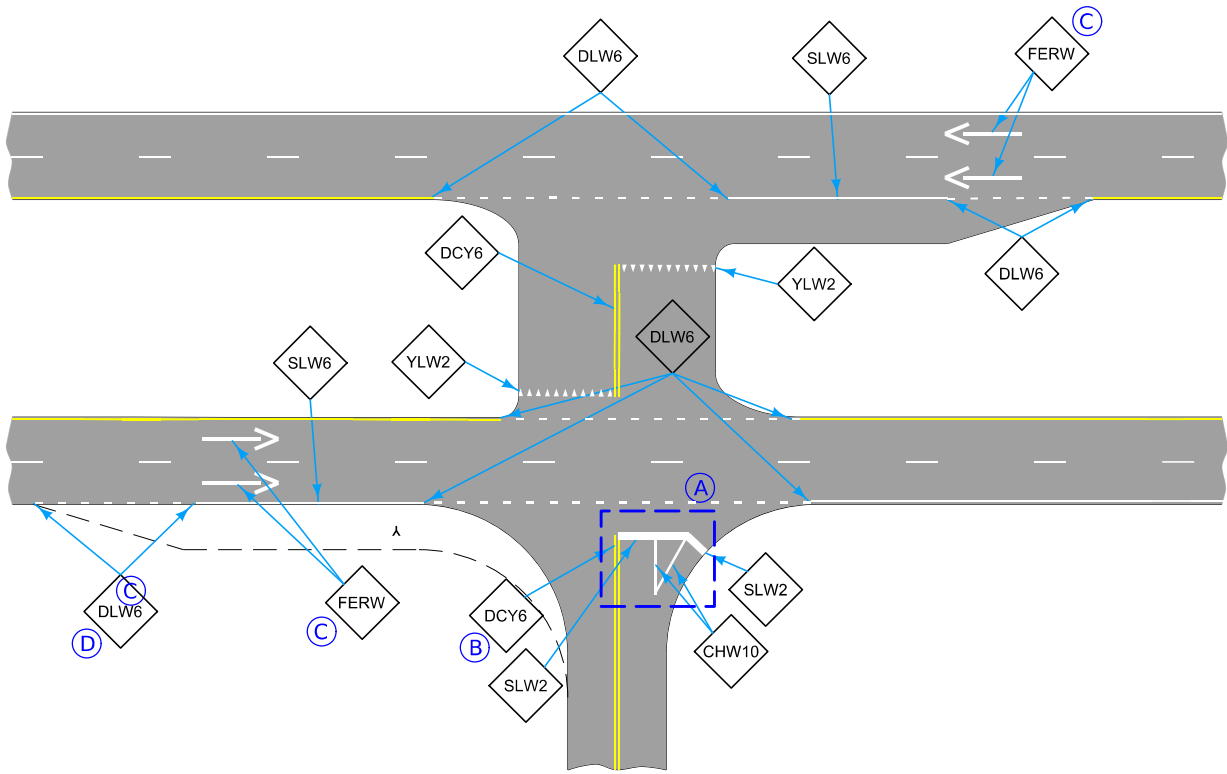
Pavement markings shown are for information only.
Refer to Pavement Markings typical this sheet for details.
Not all existing signs are shown.

- ① R4-7b (36"x48") Keep Right sign
Install sign on new PSST post with slip base anchor
Align sign with a point just in front of stop line
- ② R5-1a (42"x30") Wrong Way sign
Install sign on PSST post with slip base anchor
- ③ Where relocation of stop line is required,
Remove and Reinstall signs on new posts and slip
base in concrete anchors
- ④ Remove existing Do Not Enter sign if present.
Install R5-1 (48"x48") Do Not Enter and
R5-1a (42"x30") Wrong Way Sign on new PSST Posts
with Slip Base Anchors
- ⑤ Rumble Strip Panels (where required)
Refer to Typical TAS-809 on Sheet B.6
- ⑥ U.A.C. Do Not Enter sign if present
Install new R5-1 (48"x48") Do Not Enter sign if not present
- ⑦ Install red retroreflective conspicuity sheeting

TRAFFIC CONTROL SIGNING

Refer to Standard Road Plans PV-10, SI-101, SI-131 and SI-133

SIGN POST QUANTITIES		
Sign	PSST Post (LF)	Slip Base Anchor (EA)
R5-1a	15	1
R5-1a	15	1
R5-1a	15	1
R5-1a	15	1
R4-7b	12	1
TOTALS	72	5



- A For relocation of stop lines and painted islands
See detail on Sheet N.1
- B Extend marking to stop line where necessary
- C Align Wrong Way Arrow marking with
Do Not Enter signs
- D Add DLW6 dotted line where right turn lane
is present

LEGEND

CHW10 = Channelizing Line, White
DCY6 = Double Centerline, Yellow
DLW6 = Dotted Line, White
SLW6 = Solid Lane Line, White
FERW = Freeway, Expressway and Ramp Arrow, White
SLW2 = Stop Line, White
YLW2 = Yield Line, White

PAVEMENT MARKINGS

Refer to Standard Road Plans PM-110, PM-111, PM-115, PM-116, PM-120 and PM-760

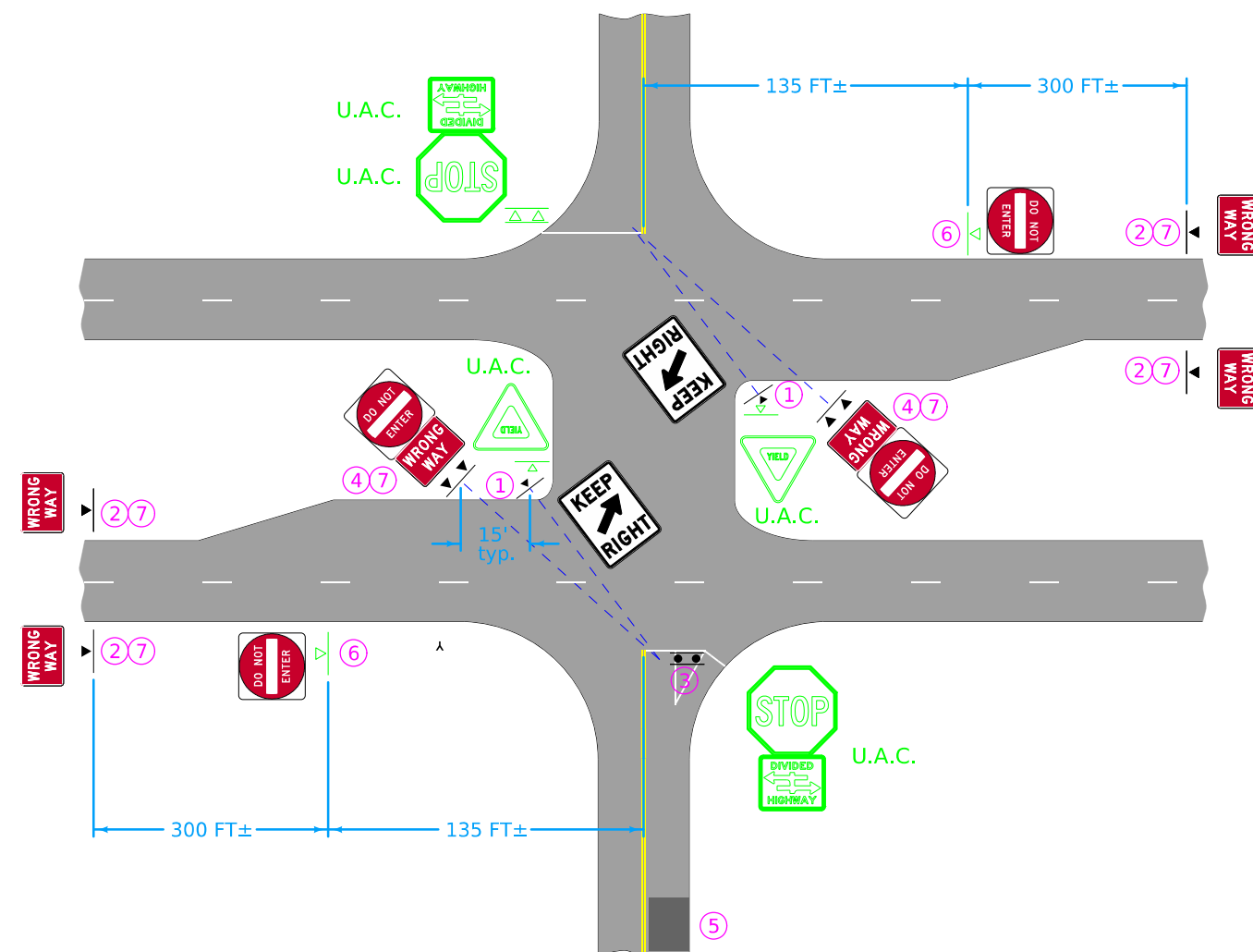
IOWA IDOT

IMPROVEMENT
PACKAGE TYPICAL

23

IMPROVEMENT LEVEL '2'
THREE LEG INTERSECTION

Signing and Markings Improvements
for Intersection with Paved Sideroad
Negligible Potential Crash Reduction



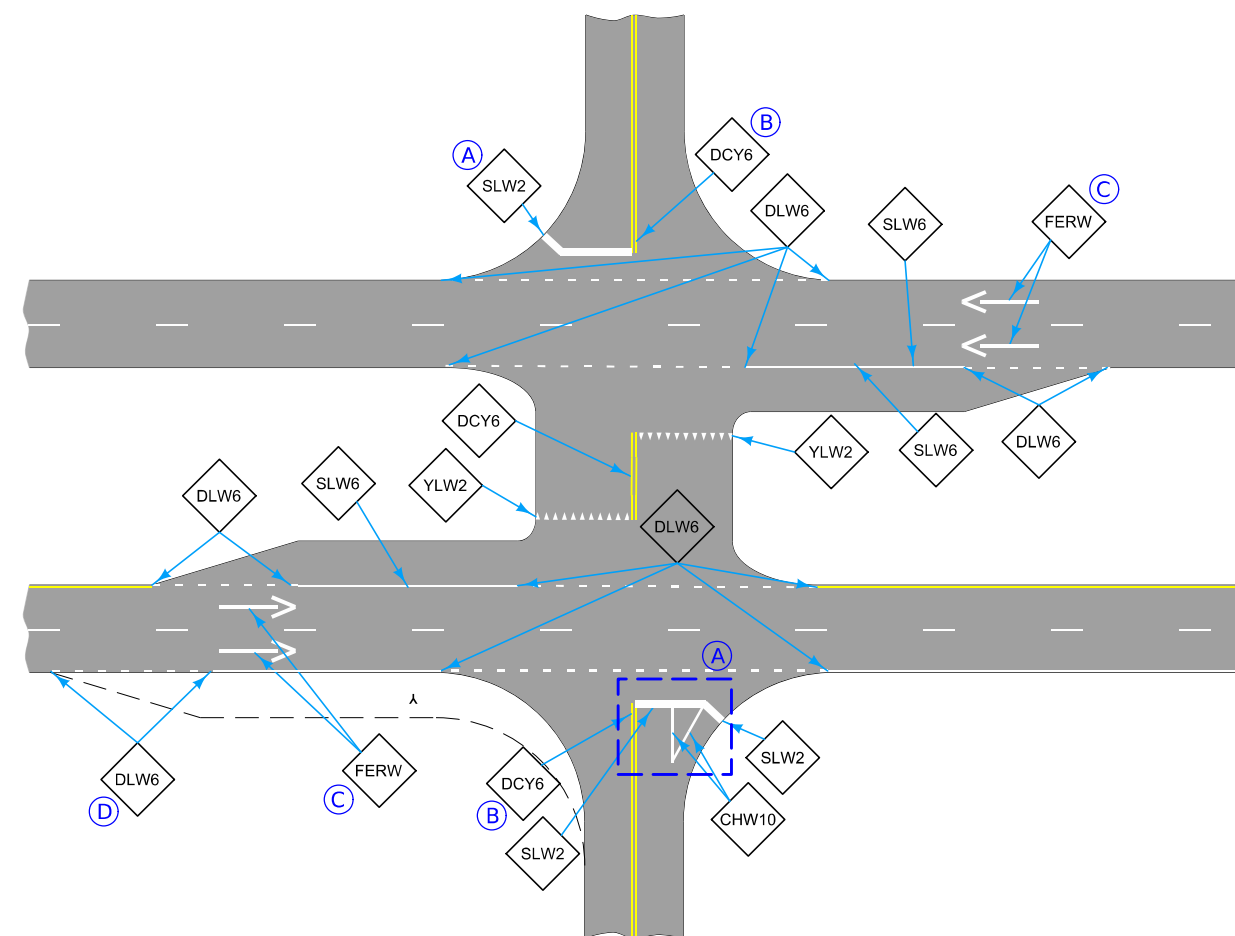
Pavement markings shown are for information only.
Refer to Pavement Markings typical this sheet for details.
Not all existing signs are shown.

- ① R4-7b (36"x48") Keep Right sign
Install sign on new PSST post with slip base anchor
Align sign with a point just in front of stop line
- ② R5-1a (42"x30") Wrong Way sign
Install sign on PSST post with slip base anchor
- ③ Where relocation of stop line is required,
Remove and Reinstall signs on new posts and slip
base in concrete anchors
- ④ Remove existing Do Not Enter sign if present
Install R5-1 (48"x48") Do Not Enter and
R5-1a (42"x30") Wrong Way Sign on new PSST Posts
with Slip Base Anchors
- ⑤ Rumble Strip Panels (where required)
Refer to Typical TAS-809 on Sheet B.6
- ⑥ U.A.C. Do Not Enter sign if present
Install new R5-1 (48"x48") Do Not Enter sign if not present
- ⑦ Install red retroreflective conspicuity sheeting

SIGN POST QUANTITIES		
Sign	PSST Post (LF)	Slip Base Anchor (EA)
R5-1a	15	1
R5-1a	15	1
R5-1a	15	1
R5-1a	15	1
R4-7b	12	1
R4-7b	12	1
TOTALS	84	6

TRAFFIC CONTROL SIGNING

Refer to Standard Road Plans PV-10, SI-101, SI-131 and SI-133



- ① For relocation of stop lines and painted islands
See detail on Sheet N.1
- ② Extend marking to stop line where necessary
- ③ Align Wrong Way Arrow marking with
Do Not Enter signs
- ④ Add DLW6 dotted line where right turn lane
is present

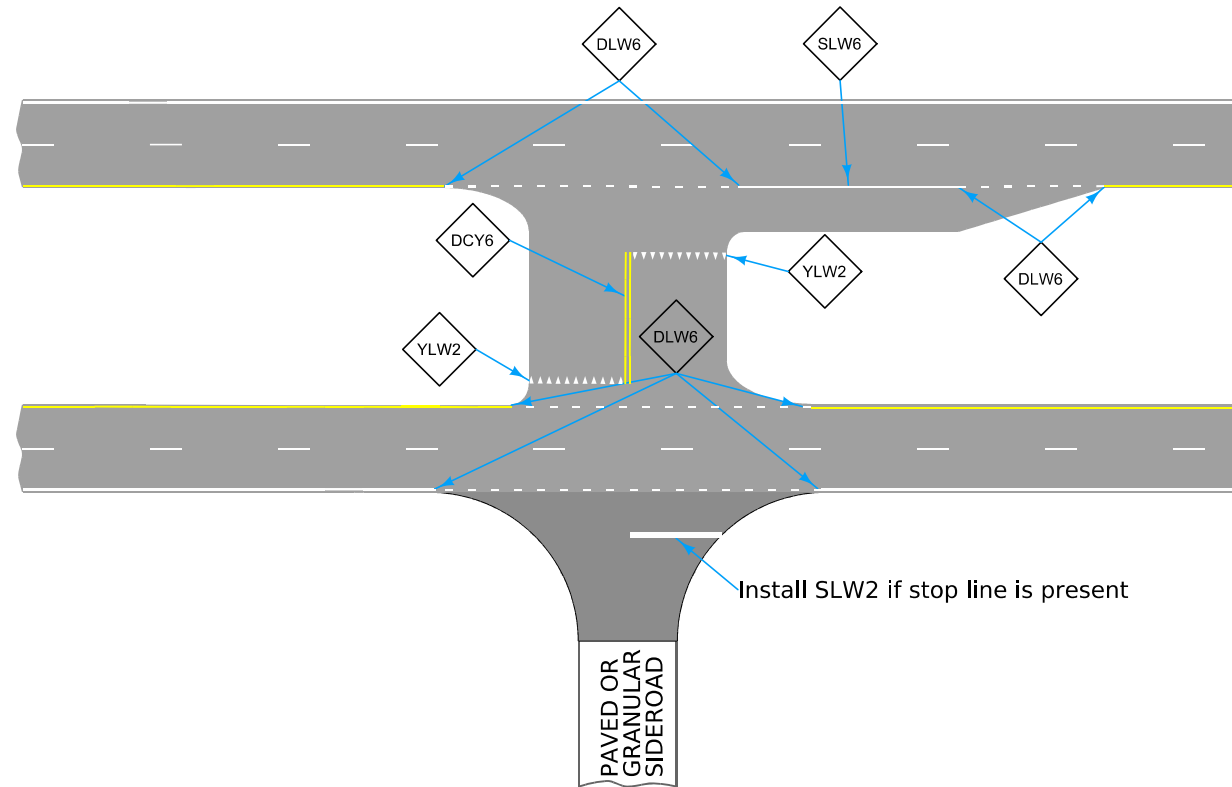
LEGEND

CHW10 = Channelizing Line, White
DCY6 = Double Centerline, Yellow
DLW6 = Dotted Line, White
SLW6 = Solid Lane Line, White
FERW = Freeway, Expressway and Ramp Arrow, White
SLW2 = Stop Line, White
YLW2 = Yield Line, White

PAVEMENT MARKINGS

Refer to Standard Road Plans PM-110, PM-111, PM-115, PM-116, PM-120 and PM-760

IOWA IDOT	
IMPROVEMENT PACKAGE TYPICAL	24
IMPROVEMENT LEVEL '2' FOUR LEG INTERSECTION	
Signing and Markings Improvements for Intersection with Paved Sideroad Negligible Potential Crash Reduction	

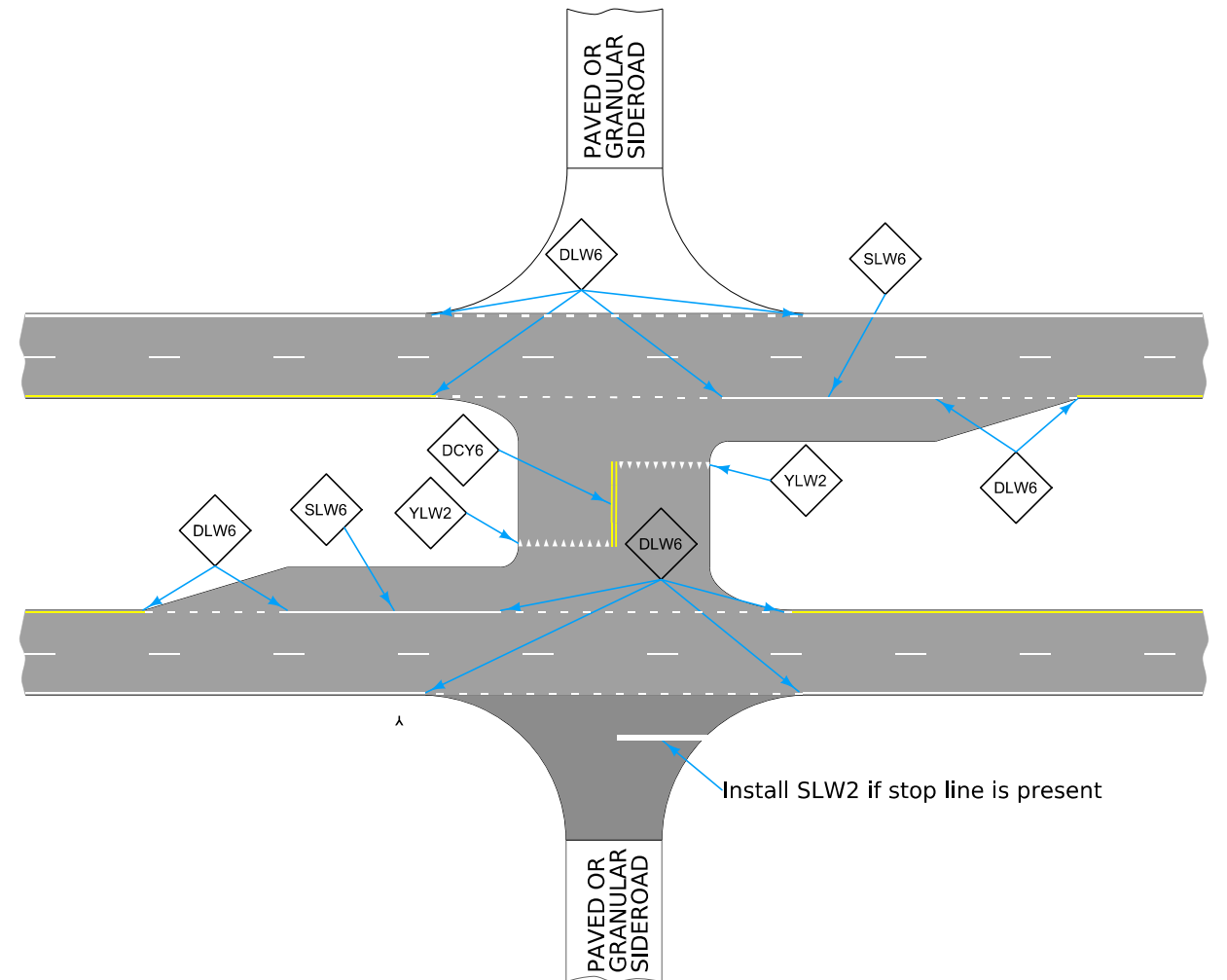


LEGEND	
DCY6	= Double Centerline, Yellow
DLW6	= Dotted Line, White
SLW2	= Stop Line, White
SLW6	= Solid Lane Line, White
YLW2	= Yield Line, White

PAVEMENT MARKINGS

Refer to Standard Road Plans PM-110, PM-111, PM-115, PM-116, PM-120 and PM-760

IMPROVEMENT PACKAGE TYPICAL	33
IMPROVEMENT LEVEL '3' THREE LEG INTERSECTION	
Pavement Markings Improvements for Intersection with Unpaved Sideroad	



LEGEND	
DCY6	= Double Centerline, Yellow
DLW6	= Dotted Line, White
SLW2	= Stop Line, White
SLW6	= Solid Lane Line, White
YLW2	= Yield Line, White

PAVEMENT MARKINGS

Refer to Standard Road Plans PM-110, PM-111, PM-115, PM-116, PM-120 and PM-760

IMPROVEMENT PACKAGE TYPICAL	34
IMPROVEMENT LEVEL '3' FOUR LEG INTERSECTION	
Pavement Markings Improvements for Intersection with Unpaved Sideroad	