



# North Dakota Department of Transportation

Thomas K. Sorel  
*Director*

Doug Burgum  
*Governor*

October 26, 2017

## ADDENDUM 1 – JOB 18

TO: All prospective bidders on project HLU-1-999(032), Job No. 18 scheduled for the November 17, 2017 bid opening.

The following plan and request for proposal revisions shall be made:

Plan Revisions:

**See attached summary from Joshua M Loegering, PE, KLJ dated October 23, 2017 for an explanation.**

Request for Proposal Revisions:

**Remove and replace page 5 of 7 of the Proposal pages located at the beginning of the Request for Proposal, with the enclosed pages revised 10/24/2017.**

The following changes were made to the Bid Items:

Spec No.	Code No.	Description	Description of Change
772	2070	LAW ENFORCEMENT CONFIRMATION LIGHT	Increased from 479 to 498 EA.

This addendum is to be incorporated into the bidder's proposal for this project. AASHTOWare Project Bids files should be updated by downloading the addendum file from the Bid Express on-line bidding exchange at <http://www.bidx.com/> and load it into the AASHTOWare Project Bids program.

PHILLIP MURDOFF – CONSTRUCTION SERVICES ENGINEER

80:jwj

Enclosure

October 23, 2017

## ADDENDUM 1

To: All prospective bidders and suppliers on Project HLU-1-999(032) scheduled for the November 17, 2017 bid opening.

Please incorporate the following revisions into the plans for the referenced project:

### Plan Revisions:

Remove and Replace Sheets 4-1, 4-2, 4-3, 4-4, 8-1, 11-1, 11-2, 11-3, 150-6, 150-14 and 150-19

### Section 4 - Scope of Work

- Sheet 4-1: Added the intersections of Centennial Rd & 43<sup>rd</sup> Ave, Ward Rd, Ave C & Griffin St, Broadway Ave & 19<sup>th</sup> St and University Dr & Denver Ave.
- Sheet 4-2: Added the intersection of Centennial Rd & 43<sup>rd</sup> Ave.
- Sheet 4-3: Added the intersections Ward Rd, Ave C & Griffin St and Broadway Ave & 19<sup>th</sup> St
- Sheet 4-4: Added the intersection of University Dr & Denver Ave.

### Section 8 - Quantities

- Sheet 8-1: Updated quantities to reflect the added confirmation lights

### Section 11 - Quantity Summaries

- Sheet 11-1: Added the intersection of Centennial Rd & 43<sup>rd</sup> Ave.
- Sheet 11-2: Added the intersections Ward Rd, Ave C & Griffin St and Broadway Ave & 19<sup>th</sup> St
- Sheet 11-3: Added the intersection of University Dr & Denver Ave.

### Section 150 - Intersection Layouts

- Sheet 150-6: Added the intersection of Centennial Rd & Trenton Dr.
- Sheet 150-14: Added the intersections Ward Rd, Ave C & Griffin St and Broadway Ave & 19<sup>th</sup> St
- Sheet 150-19: Added the intersection of University Dr & Denver Ave.

Joshua M Loegering /s/  
Joshua M Loegering, PE

Enclosures



Revised 10/23/17

STATE

ND

PROJECT NO.

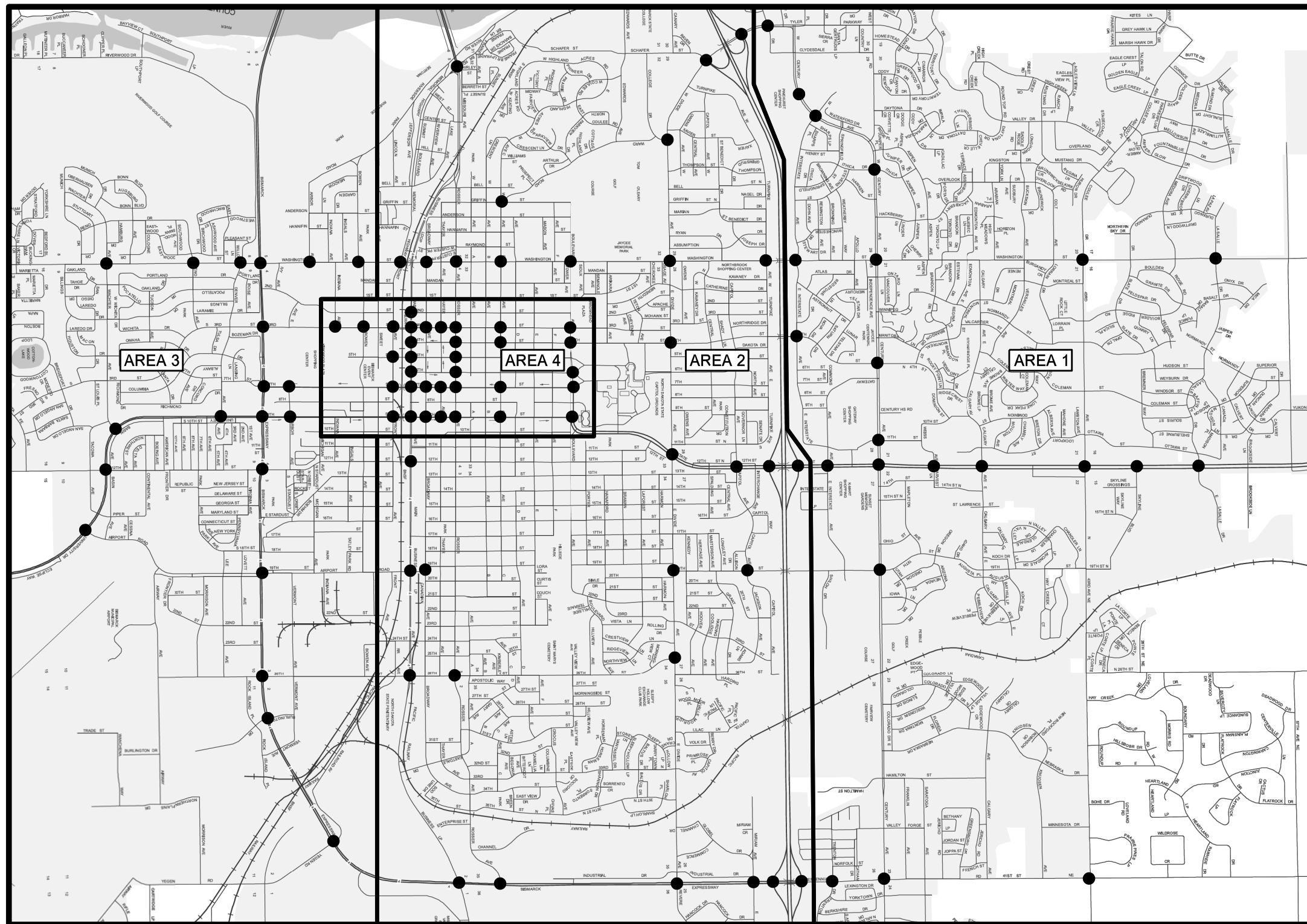
HLU-1-999(032)

SECTION NO.

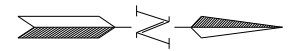
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SHEET NO.

1



● Intersection Improvements Location



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HLU-1-999(032)  
BISMARCK, NORTH DAKOTA

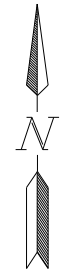
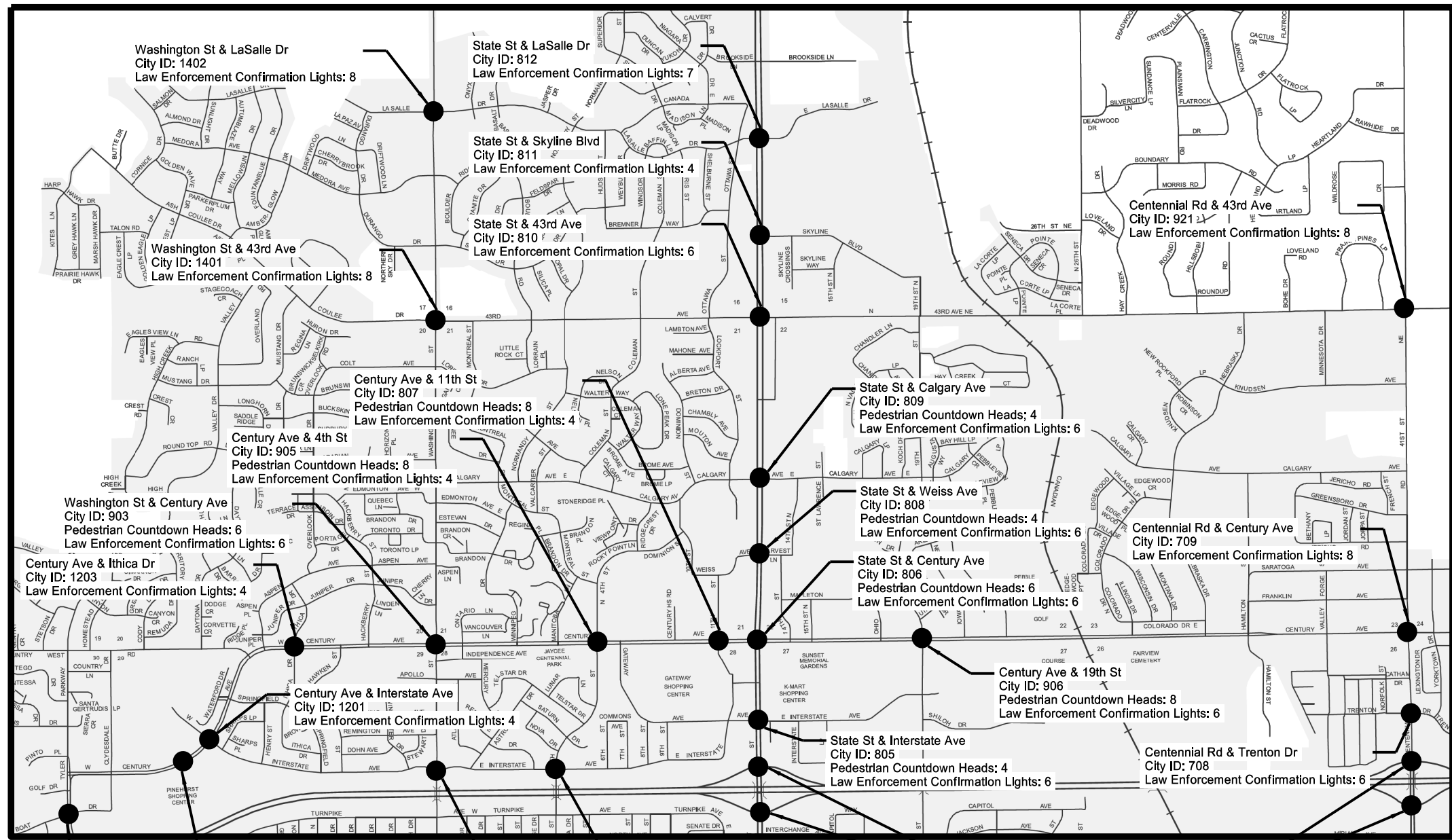


SCOPE OF WORK

DRWN. BY BJT	CHKD. BY JML	PROJECT NO. 5417102
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Revised 10/23/17	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HLU-1-999(032)	4	2

● Intersection Improvements Location



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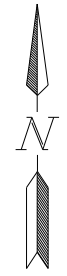
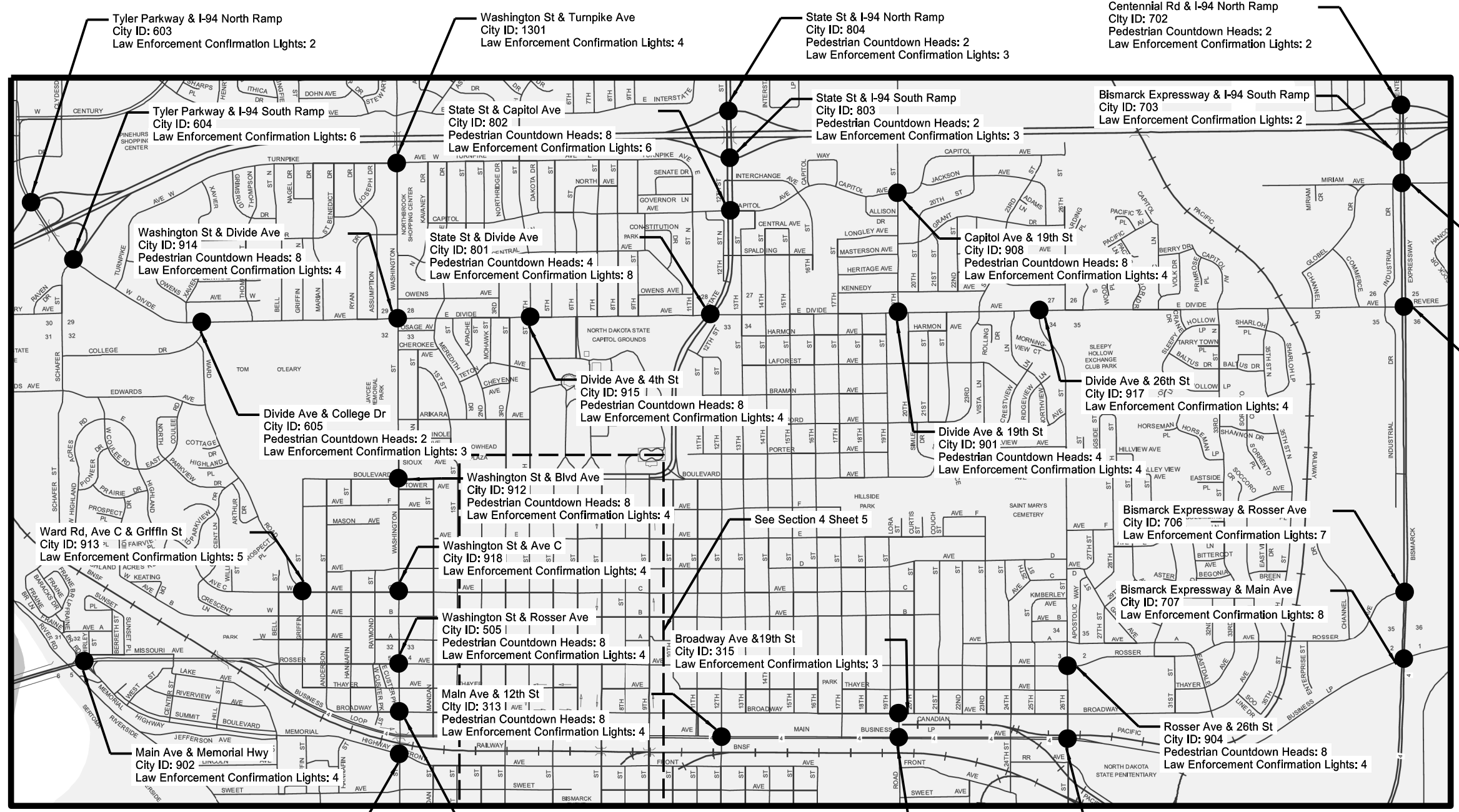
HLU-1-999(032)  
BISMARCK, NORTH DAKOTA



SCOPE OF WORK  
AREA 1

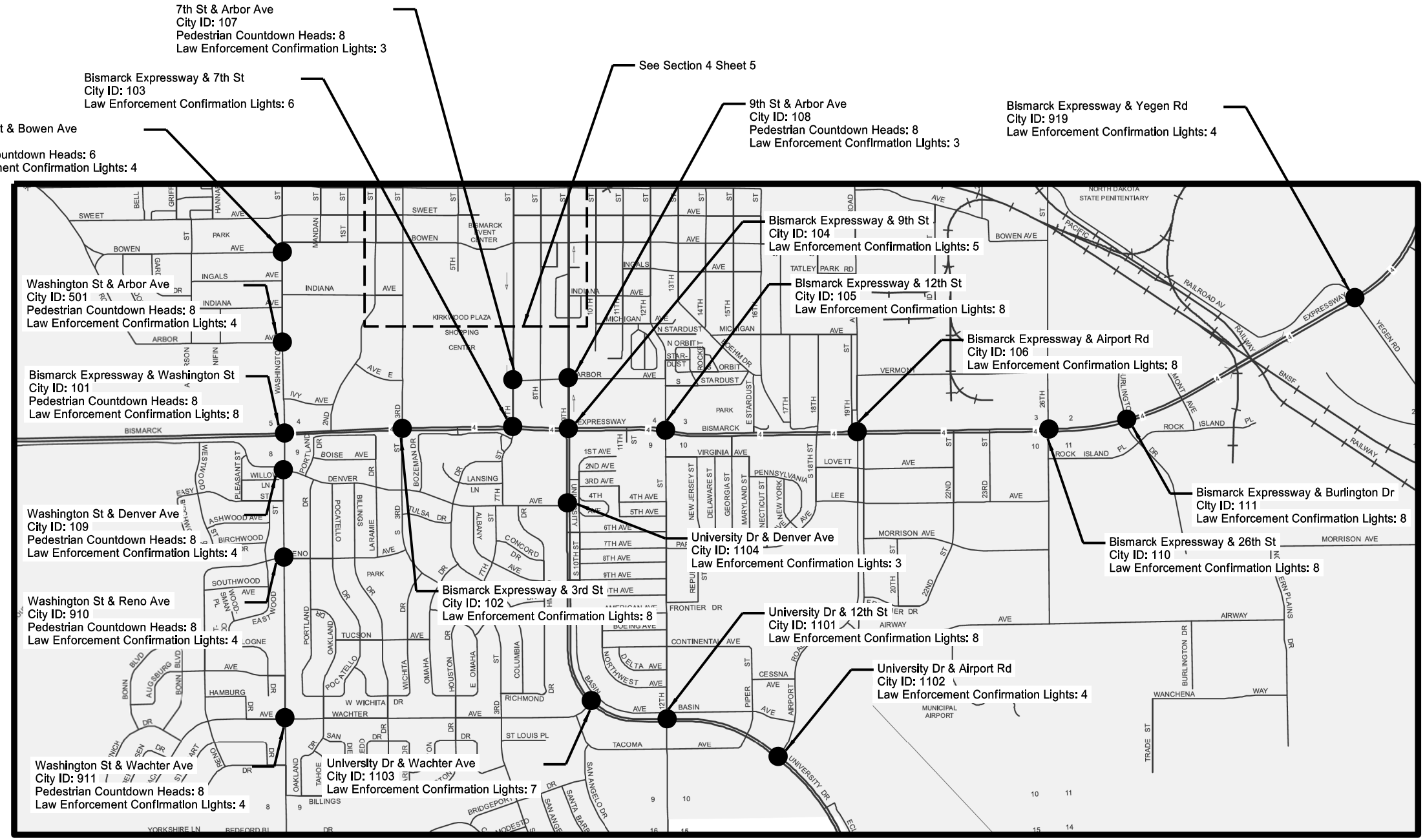
DRWN BY BJT	CHKD BY JML	PROJECT NO. 5417102
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● Intersection Improvements Location



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<b>HLU-1-999(032)</b> BISMARCK, NORTH DAKOTA	
<b>SCOPE OF WORK AREA 2</b>	
DRAWN BY BJT	CHKD BY JML
PROJECT NO. 5417102	



7th St & Arbor Ave  
City ID: 107  
Pedestrian Countdown Heads: 8  
Law Enforcement Confirmation Lights: 3

Bismarck Expressway & 7th St  
City ID: 103  
Law Enforcement Confirmation Lights: 6

Washington St & Bowen Ave  
City ID: 502  
Pedestrian Countdown Heads: 6  
Law Enforcement Confirmation Lights: 4

See Section 4 Sheet 5

9th St & Arbor Ave  
City ID: 108  
Pedestrian Countdown Heads: 8  
Law Enforcement Confirmation Lights: 3

Bismarck Expressway & Yegen Rd  
City ID: 919  
Law Enforcement Confirmation Lights: 4

Washington St & Arbor Ave  
City ID: 501  
Pedestrian Countdown Heads: 8  
Law Enforcement Confirmation Lights: 4

Bismarck Expressway & Washington St  
City ID: 101  
Pedestrian Countdown Heads: 8  
Law Enforcement Confirmation Lights: 8

Bismarck Expressway & 9th St  
City ID: 104  
Law Enforcement Confirmation Lights: 5

Bismarck Expressway & 12th St  
City ID: 105  
Law Enforcement Confirmation Lights: 8

Bismarck Expressway & Airport Rd  
City ID: 106  
Law Enforcement Confirmation Lights: 8

Washington St & Denver Ave  
City ID: 109  
Pedestrian Countdown Heads: 8  
Law Enforcement Confirmation Lights: 4

University Dr & Denver Ave  
City ID: 1104  
Law Enforcement Confirmation Lights: 3

Bismarck Expressway & Burlington Dr  
City ID: 111  
Law Enforcement Confirmation Lights: 8

Bismarck Expressway & 26th St  
City ID: 110  
Law Enforcement Confirmation Lights: 8

Washington St & Reno Ave  
City ID: 910  
Pedestrian Countdown Heads: 8  
Law Enforcement Confirmation Lights: 4

Bismarck Expressway & 3rd St  
City ID: 102  
Law Enforcement Confirmation Lights: 8

University Dr & 12th St  
City ID: 1101  
Law Enforcement Confirmation Lights: 8

University Dr & Airport Rd  
City ID: 1102  
Law Enforcement Confirmation Lights: 4

Washington St & Wachter Ave  
City ID: 911  
Pedestrian Countdown Heads: 8  
Law Enforcement Confirmation Lights: 4

University Dr & Wachter Ave  
City ID: 1103  
Law Enforcement Confirmation Lights: 7

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HLU-1-999(032) BISMARCK, NORTH DAKOTA		
	SCOPE OF WORK AREA 3	
	DRWN: BY BJT	CHKD: BY JML

Revised 10/23/17	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HLU-1-999(032)	8	1

**CITY OF BISMARCK TRAFFIC SIGNAL SAFETY IMPROVEMENT PROJECT**

SPEC	CODE	ITEM DESCRIPTION	UNIT	PRIMARY REGIONAL SYSTEM	SECONDARY REGIONAL SYSTEM	URBAN ROADS	TOTAL
103	100	CONTRACT BOND	L SUM	0.1	0.4	0.5	1.0
702	100	MOBILIZATION	L SUM	0.1	0.4	0.5	1.0
704	1100	TRAFFIC CONTROL	L SUM	0.1	0.4	0.5	1.0
772	2060	PEDESTRIAN COUNTDOWN SIGNAL HEAD-POST MTD	EA	8	99	316	423
772	2061	PEDESTRIAN COUNTDOWN SIGNAL HEAD-PEDESTAL MTD	EA	12	27	10	49
772	2070	LAW ENFORCEMENT CONFIRMATION LIGHT	EA	44	184	270	498


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<b>HLU-1-999(032)</b> <i>Bismarck, North Dakota</i>		
	<b>QUANTITIES</b>	
	<small>DRWN. BY</small> J JL	<small>CHKD. BY</small> J ML



AREA 1 - LAW ENFORCEMENT CONFIRMATION LIGHT, PEDESTRIAN COUNTDOWN HEAD & PUSHBUTTON SIGN SUMMARIES														
Intersection	City ID	Section 150 Sheet #	Law Enforcement Confirmation Light Summary					Pedestrian Countdown Signal Head and Push Button Sign Summary						Funding Source
			Confirmation Light Detail				Total Confirmation Lights	Pedestrian Countdown Signal Head-Post Mtd	Pedestrian Countdown Signal Head-Pedestal	R10-3e Pushbutton Signs				
			NB	SB	EB	WB				Left Arrow	Right Arrow	Double		
Washington St and Interstate Ave	1302	1	1	1	1	1	4	8	0	4	4	0	Urban	
Washington St and Century Ave	903	1	2	2	4	4	6	6	0	3	3	0	Urban	
Washington St and 43rd Ave	1401	1	5	5	5	5	8	0	0	0	0	0	Urban	
Washington St and LaSalle Dr	1402	1	6	6	4	4	8	0	0	0	0	0	Urban	
State St and Interstate Ave	805	2	5	4	2	2	6	0	4	0	0	0	Primary	
State St and Century Ave	806	2	5	4	2	2	6	1	5	0	0	0	Primary	
State St and Weiss Ave	808	2	5	5	2	2	6	2	2	0	0	0	Primary	
State St and Calgary Ave	809	2	5	5	1	1	6	4	0	0	0	0	Primary	
State St and 43rd Ave	810	3	5	5	1	1	6	0	0	0	0	0	Primary	
State St and Skyline Blvd	811	3	1	4	-	1	4	0	0	0	0	0	Primary	
State St and LaSalle Dr	812	3	5	5	1	4	7	0	0	0	0	0	Primary	
Interstate Ave and 4th St	909	3	1	1	1	1	4	8	0	8	0	0	Urban	
Burnt Boat Dr and Tyler Parkway	602	4	2	2	2	4	5	6	2	2	6	2	Urban	
Century Ave and Pinehurst Sq	1202	4	1	1	2	2	4	0	0	0	0	0	Urban	
Century Ave and Interstate Ave	1201	4	1	1	1	1	4	0	0	0	0	0	Urban	
Century Ave and Ithica Dr	1203	4	1	1	1	1	4	0	0	0	0	0	Urban	
Century Ave and 4th St	905	5	1	1	2	2	4	8	0	4	4	0	Urban	
Century Ave and 11th St	807	5	2	2	2	2	4	8	0	3	5	0	Urban	
Century Ave and 19th St	906	5	2	2	4	4	6	8	0	4	4	2	Urban	
Centennial Rd and Century Ave	709	5	5	5	5	5	8	0	0	0	0	0	Urban	
Centennial Rd and Trenton Dr	708	6	4	4	1	1	6	0	0	0	0	0	Urban	
Centennial Rd and 43rd Ave	921	6	3	3	3	3	8	0	0	0	0	0	Urban	

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HLU-1-999(032) <i>Bismarck, North Dakota</i>		
	AREA 1 QUANTITY SUMMARY	
	DRWN. BY JUL	CHKD. BY JML

**AREA 2 - LAW ENFORCEMENT CONFIRMATION LIGHT, PEDESTRIAN COUNTDOWN HEAD & PUSHBUTTON SIGN SUMMARIES**

Intersection	City ID	Section 150 Sheet #	Law Enforcement Confirmation Light Summary				Pedestrian Countdown Signal Head and Push Button Sign Summary							Funding Source
			Confirmation Light Detail				Total Confirmation Lights	Pedestrian Countdown Signal Head-Post Mtd	Pedestrian Countdown Signal Head-Pedestal	R10-3e Pushbutton Signs				
			NB	SB	EB	WB				Left Arrow	Right Arrow	Double		
Washington St and Front Ave	503	7	1	1	1	1	4	10	2	0	0	0	Urban	
Washington St and Broadway Ave	504	7	1	1	1	1	4	8	0	2	2	0	Urban	
Washington St and Rosser Ave	505	7	1	1	1	1	4	8	0	0	0	0	Urban	
Washington St and Ave C	918	7	1	1	1	1	4	0	0	4	4	0	Urban	
Washington St and Blvd Ave	912	8	1	1	1	1	4	8	0	4	4	0	Urban	
Washington St and Divide Ave	914	8	2	2	2	2	4	8	0	3	5	0	Urban	
Washington St and Turnpike Ave	1301	8	2	2	1	1	4	0	0	0	0	0	Urban	
Divide Ave and 19th St	901	8	-	1	4	1	4	4	0	3	1	0	Urban	
State St and Divide Ave	801	9	4	4	4	4	8	4	0	0	0	0	Secondary	
State St and Capitol Ave	802	9	4	4	1	1	6	8	0	0	0	0	Secondary	
State St and I-94 South Ramp	803	9	1	5	-	-	3	1	1	0	0	0	Secondary	
State St and I-94 North Ramp	804	9	5	1	-	-	3	1	1	0	0	0	Primary	
Bismarck Expressway and Rosser Ave	706	10	3	3	3	1	7	0	0	0	0	0	Secondary	
Bismarck Expressway and Divide Ave	705	10	3	3	3	3	8	0	0	0	0	0	Secondary	
Bismarck Expressway and Miriam Ave	704	10	1	2	1	1	4	6	2	5	1	1	Secondary	
Bismarck Expressway and I-94 South Ramp	703	10	1	1	-	-	2	0	0	0	0	0	Secondary	
Centennial Rd and I-94 North Ramp	702	11	2	1	-	-	2	2	0	1	1	0	Secondary	
Capitol Ave and 19th St	908	11	1	1	1	1	4	8	0	8	0	0	Urban	
Divide Ave and 26th St	917	11	1	1	1	2	4	0	0	0	0	0	Urban	
Rosser Ave and 26th St	904	11	1	1	1	1	4	8	0	7	1	0	Urban	
Main Ave and Memorial Hwy	902	12	1	1	1	1	4	0	0	0	0	0	Secondary	
Main Ave and 12th St	313	12	1	1	1	1	4	8	0	4	4	0	Urban	
Main Ave and Airport Rd	314	12	4	4	4	4	8	8	0	4	4	0	Urban	
Main Ave and 26th St	316	12	3	3	3	3	8	0	0	0	0	0	Urban	
Main Ave and Bismarck Expressway	707	13	3	3	3	3	8	0	0	0	0	0	Secondary	
Tyler Parkway and I-94 North Ramp	603	13	1	1	-	-	2	0	0	0	0	0	Urban	
Tyler Parkway and I-94 South Ramp	604	13	2	2	4	2	6	0	0	0	0	0	Urban	
Divide Ave and College Dr	605	13	1	-	1	2	3	2	0	2	0	0	Urban	
Divide Ave and 4th St	915	14	1	1	1	1	4	8	0	7	1	0	Urban	
Ward Rd, Ave C and Griffin St	913	14	1	1	1	1	5	0	0	0	0	0	Urban	
Broadway Ave and 19th St	315	14	1	-	1	1	3	0	0	0	0	0	Urban	

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HLU-1-999(032)  
Bismarck, North Dakota




AREA 2  
QUANTITY SUMMARY

DRWN. BY JUL	CHKD. BY JML	PROJECT NO. 5417102
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**AREA 3 - LAW ENFORCEMENT CONFIRMATION LIGHT, PEDESTRIAN COUNTDOWN HEAD & PUSHBUTTON SIGN SUMMARIES**

Intersection	City ID	Section 150 Sheet #	Law Enforcement Confirmation Light Summary					Pedestrian Countdown Signal Head and Push Button Sign Summary						Funding Source
			Confirmation Light Detail				Total Confirmation Lights	Pedestrian Countdown Signal Head-Post Mtd	Pedestrian Countdown Signal Head-Pedestal	R10-3e Pushbutton Signs				
			NB	SB	EB	WB				Left Arrow	Right Arrow	Double		
Washington St and Wachter Ave	911	15	1	1	1	1	4	8	0	8	0	0	Urban	
Washington St and Reno Ave	910	15	1	1	1	1	4	8	0	8	0	0	Urban	
Washington St and Denver Ave	109	15	2	2	2	1	4	5	3	6	2	0	Urban	
Washington St and Bismarck Expressway	101	15	4	4	4	4	8	6	2	6	2	4	Secondary	
Washington St and Arbor Ave	501	16	1	1	1	1	4	8	0	8	0	0	Urban	
Washington St and Bowen Ave	502	16	1	1	1	1	4	3	3	3	4	0	Urban	
7th St and Arbor Ave	107	16	-	1	1	1	3	8	0	4	4	0	Secondary	
9th St and Arbor Ave	108	16	1	-	1	1	3	6	2	6	2	0	Secondary	
University Dr and Airport Rd	1102	17	1	3	-	1	4	0	0	0	0	0	Secondary	
University Dr and 12th St	1101	17	3	3	3	3	8	0	0	0	0	0	Secondary	
University Dr and Wachter Ave	1103	17	3	3	3	1	7	0	0	0	0	0	Secondary	
Bismarck Expressway and Yegen Rd	919	17	1	-	1	3	4	0	0	0	0	0	Secondary	
Bismarck Expressway and 3rd St	102	18	3	3	3	3	8	0	0	0	0	0	Secondary	
Bismarck Expressway and 7th St	103	18	1	4	1	3	6	0	0	0	0	0	Secondary	
Bismarck Expressway and 9th St	104	18	1	-	3	3	5	0	0	0	0	0	Secondary	
Bismarck Expressway and 12th St	105	18	3	3	3	3	8	0	0	0	0	0	Secondary	
Bismarck Expressway and Airport Rd	106	19	3	3	3	3	8	0	0	0	0	0	Secondary	
Bismarck Expressway and 26th St	110	19	3	3	3	3	8	0	0	0	0	0	Secondary	
Bismarck Expressway and Burlington Dr	111	19	3	4	3	3	8	0	0	0	0	0	Secondary	
University Dr and Denver Ave	1104	19	1	1	1	-	3	0	0	0	0	0	Secondary	

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HLU-1-999(032) <i>Bismarck, North Dakota</i>		
	<b>AREA 3 QUANTITY SUMMARY</b>	
	<small>DRAWN BY</small> JUL	<small>CHECKED BY</small> JML

Intersection: Centennial Rd & Trenton Dr  
 City ID: 708  
 Pedestrian Countdown Heads: 0

Confirmation Lights: 6  
 Detail 1: EB/WB  
 Detail 4: NB/SB



Intersection: Centennial Rd & 43rd Ave  
 City ID: 921  
 Pedestrian Countdown Heads: 0

Confirmation Lights: 8  
 Detail 3: EB/WB/NB/SB



Revised 10/23/17	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HLU-1-999(032)	150	6


- Legend
- Confirmation Light
  - Pedestrian Countdown Indication
  - P3 Pedestrian Indication Number
  - ← Existing Signal Head
  - Existing Signal Standard and Mast Arm
  - Existing Push Button Post
  - R10-3e Pushbutton Sign Right
  - R10-3e Pushbutton Sign Left
  - R10-3e Pushbutton Sign Double

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**HLU-1-999(032)**  
 BISMARCK, NORTH DAKOTA



**AREA 1**  
**INTERSECTION LAYOUT**

DRWN. BY ZV	CHKD BY JL	PROJECT NO. 5417102
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Intersection: Divide Ave & 4th St  
 City ID: 915  
 Pedestrian Countdown Heads: 8  
 Left R10-3e Pushbutton Sign: 7  
 Right R10-3e Pushbutton Sign: 1

Confirmation Lights: 4  
 Detail 1: NB/SB/EB/WB

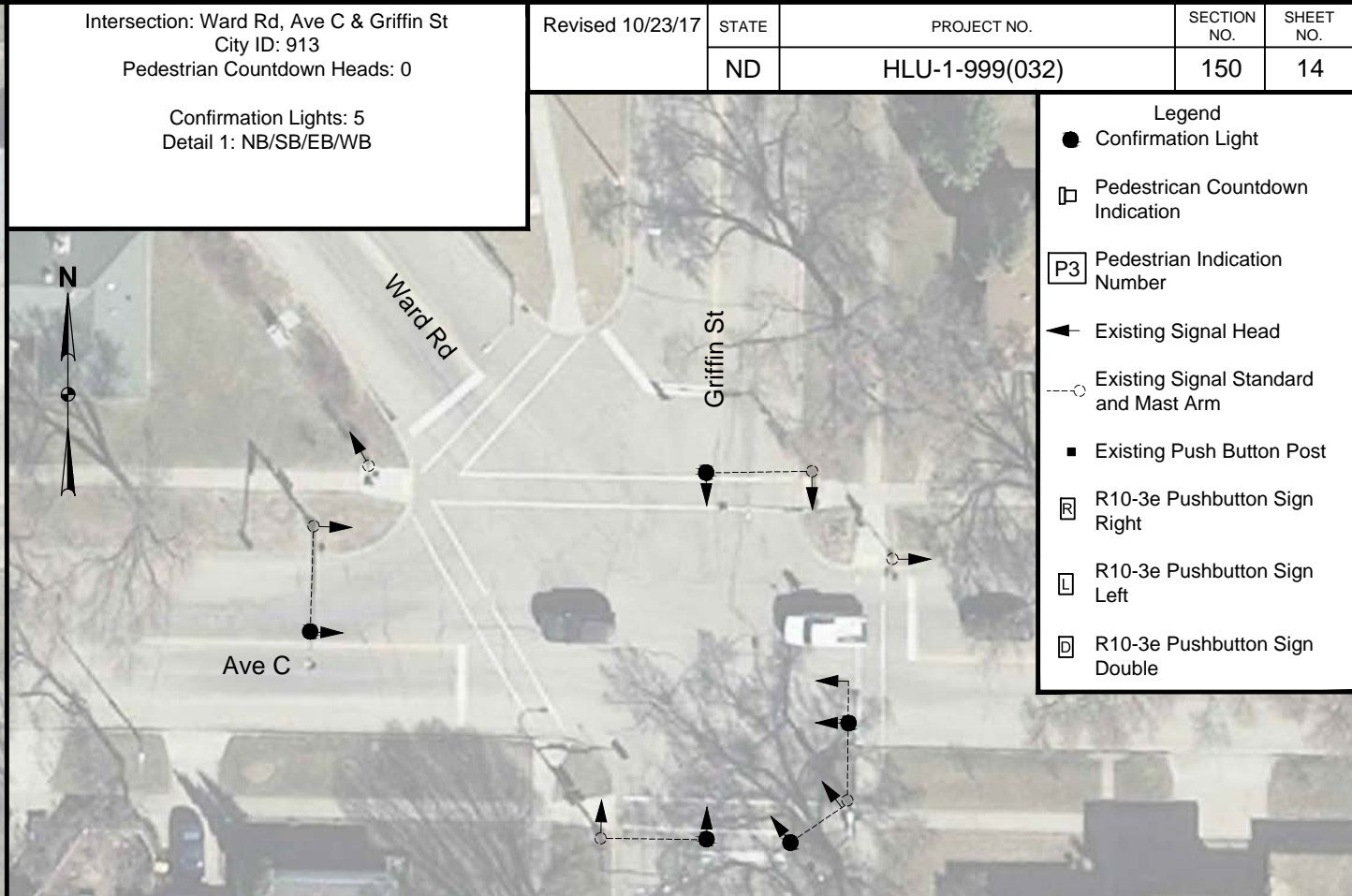
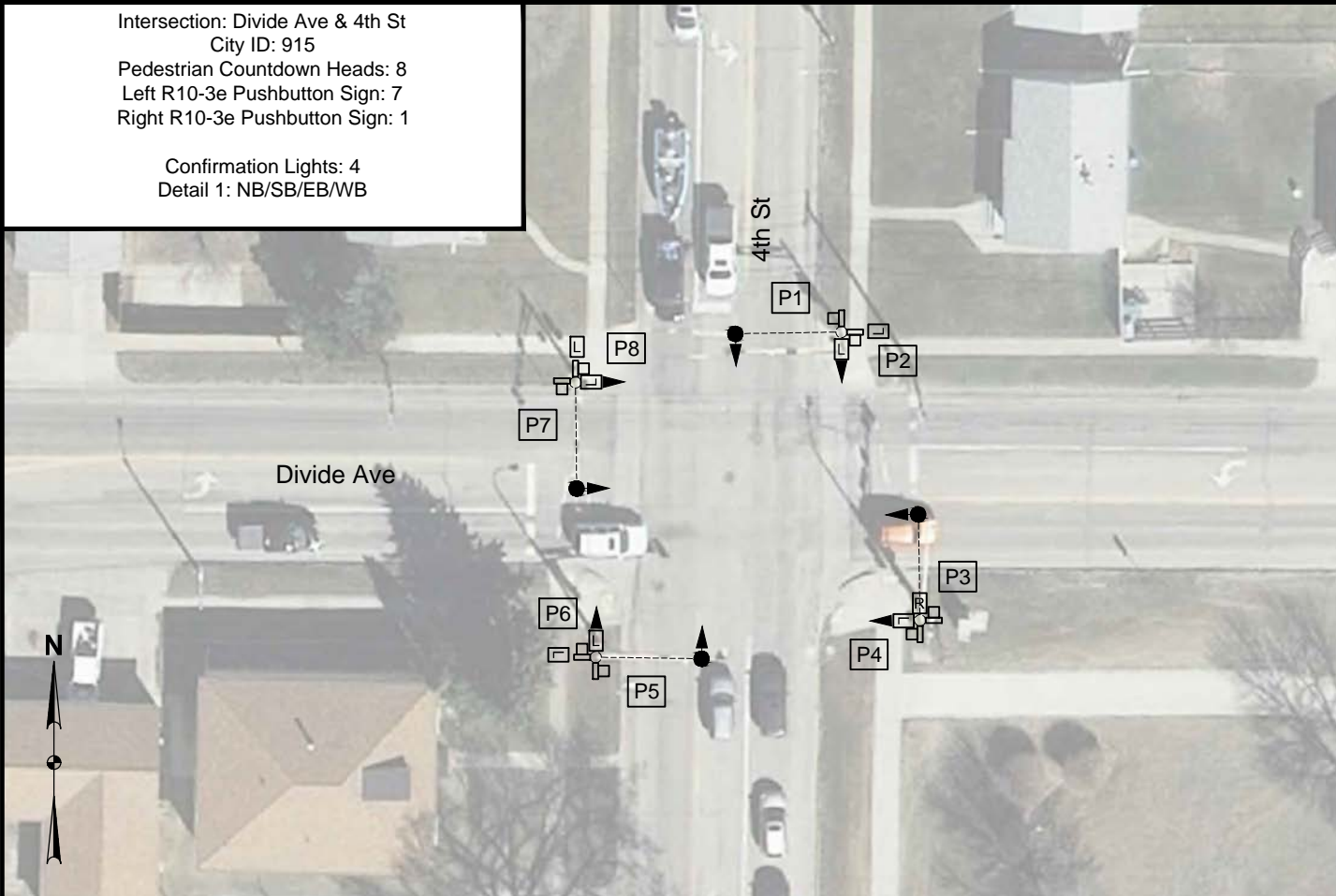
Intersection: Ward Rd, Ave C & Griffin St  
 City ID: 913  
 Pedestrian Countdown Heads: 0

Confirmation Lights: 5  
 Detail 1: NB/SB/EB/WB

Revised 10/23/17

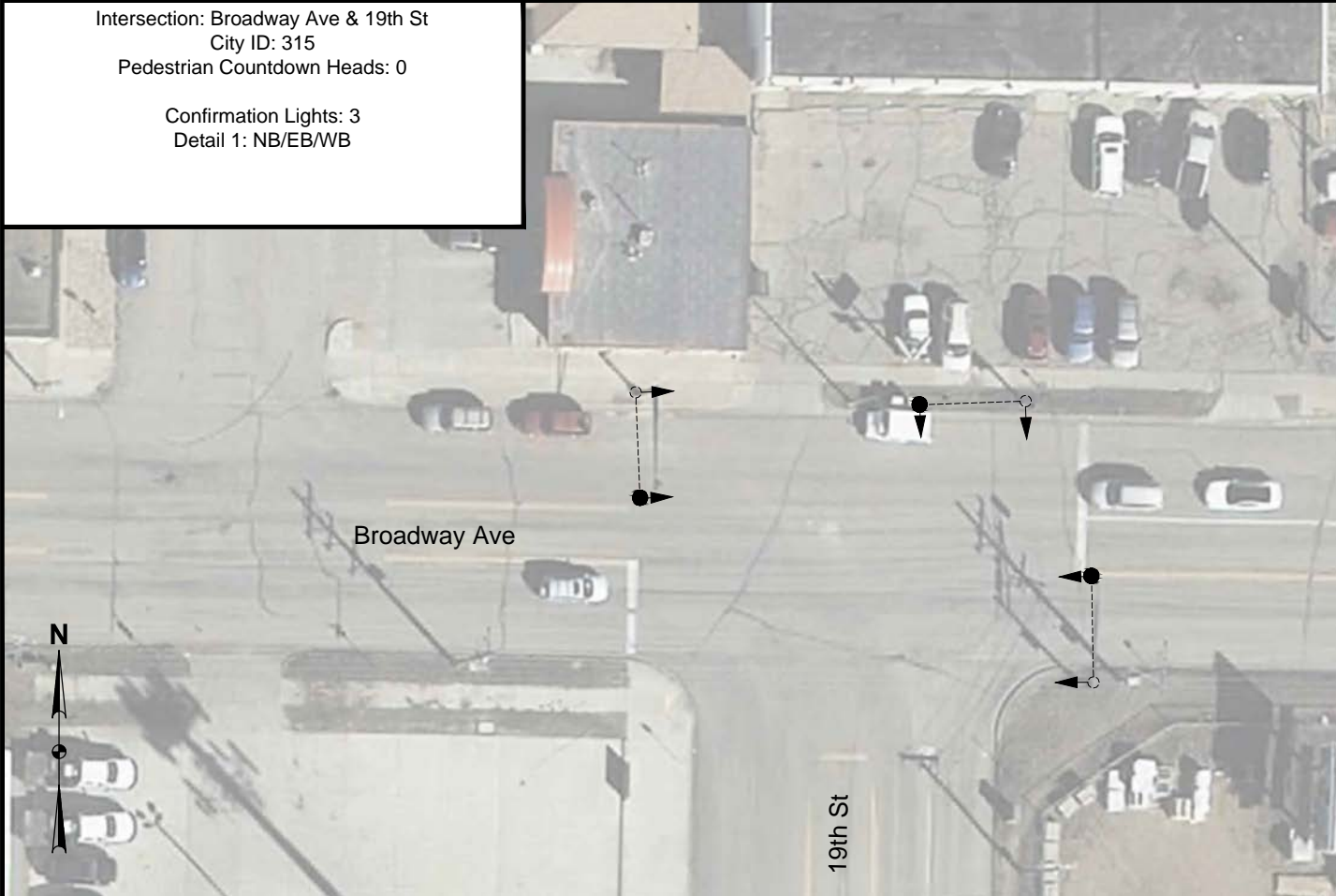
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HLU-1-999(032)	150	14

- Legend
- Confirmation Light
  - Pedestrian Countdown Indication
  - P3 Pedestrian Indication Number
  - ← Existing Signal Head
  - Existing Signal Standard and Mast Arm
  - Existing Push Button Post
  - R R10-3e Pushbutton Sign Right
  - L R10-3e Pushbutton Sign Left
  - D R10-3e Pushbutton Sign Double



Intersection: Broadway Ave & 19th St  
 City ID: 315  
 Pedestrian Countdown Heads: 0

Confirmation Lights: 3  
 Detail 1: NB/EB/WB



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HLU-1-999(032)  
 BISMARCK, NORTH DAKOTA



AREA 2  
 INTERSECTION LAYOUT

DRWN. BY ZV	CHKD BY JL	PROJECT NO. 5417102
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Intersection: Bismarck Expressway & Airport Rd  
 City ID: 106  
 Pedestrian Countdown Heads: 0  
 Confirmation Lights: 8  
 Detail 3: NB/SB/EB/WB



Intersection: Bismarck Expressway & 26th St  
 City ID: 110  
 Pedestrian Countdown Heads: 0  
 Confirmation Lights: 8  
 Detail 3: NB/SB/EB/WB



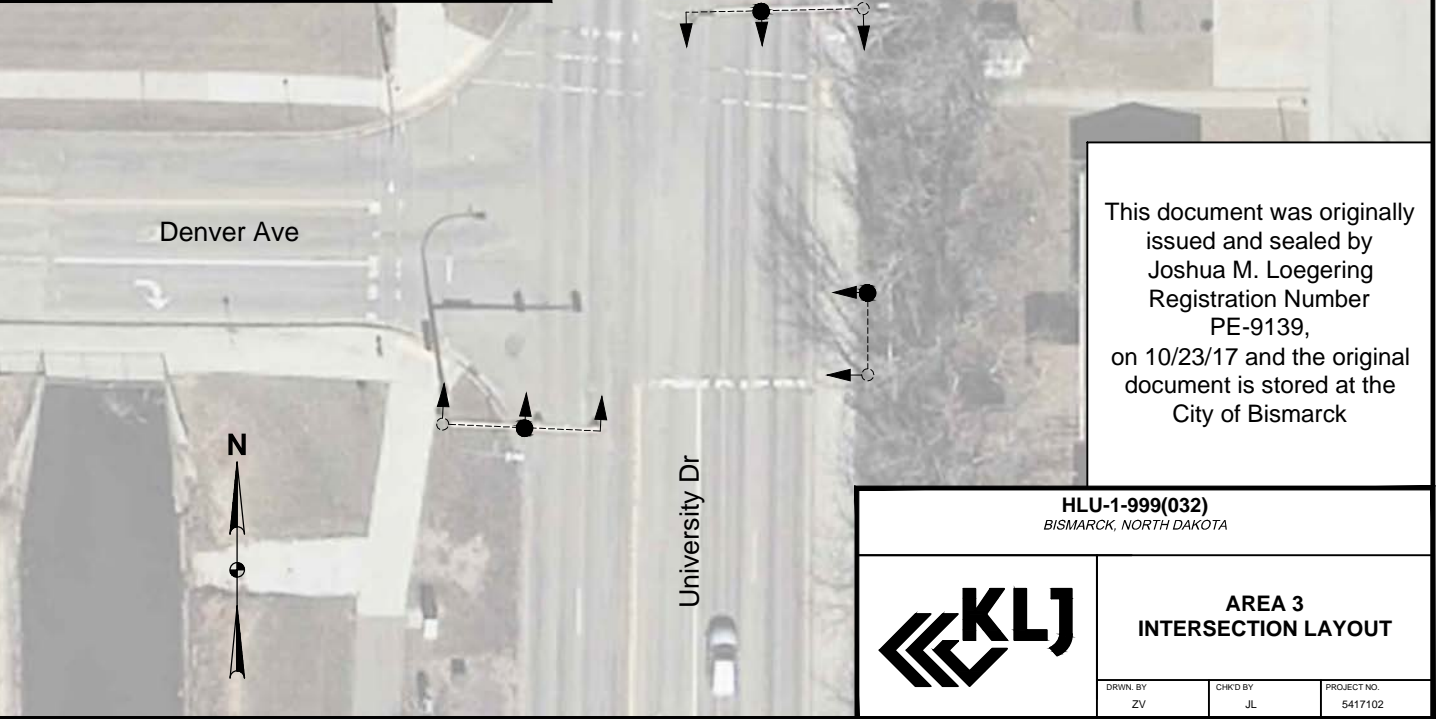
Revised 10/23/17	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HLU-1-999(032)	150	19

- Legend
- Confirmation Light
  - Pedestrian Countdown Indication
  - P3 Pedestrian Indication Number
  - ◀ Existing Signal Head
  - Existing Signal Standard and Mast Arm
  - Existing Push Button Post
  - R10-3e Pushbutton Sign Right
  - R10-3e Pushbutton Sign Left
  - R10-3e Pushbutton Sign Double

Intersection: Bismarck Expressway & Burlington Dr  
 City ID: 111  
 Pedestrian Countdown Heads: 0  
 Confirmation Lights: 8  
 Detail 3: NB/EB/WB  
 Detail 4: SB




Intersection: University Dr & Denver Ave  
 City ID: 1104  
 Pedestrian Countdown Heads: 0  
 Confirmation Lights: 3  
 Detail 1: NB/SB/EB



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HLU-1-999(032)  
 BISMARCK, NORTH DAKOTA



AREA 3  
 INTERSECTION LAYOUT

DRWN. BY ZV	CHKD BY JL	PROJECT NO. 5417102
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