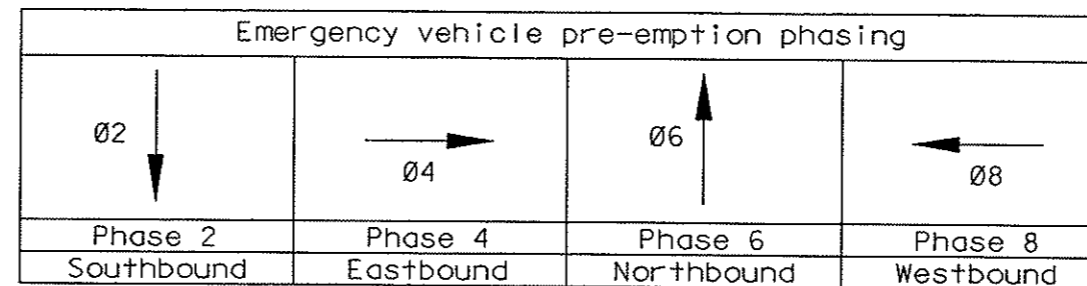


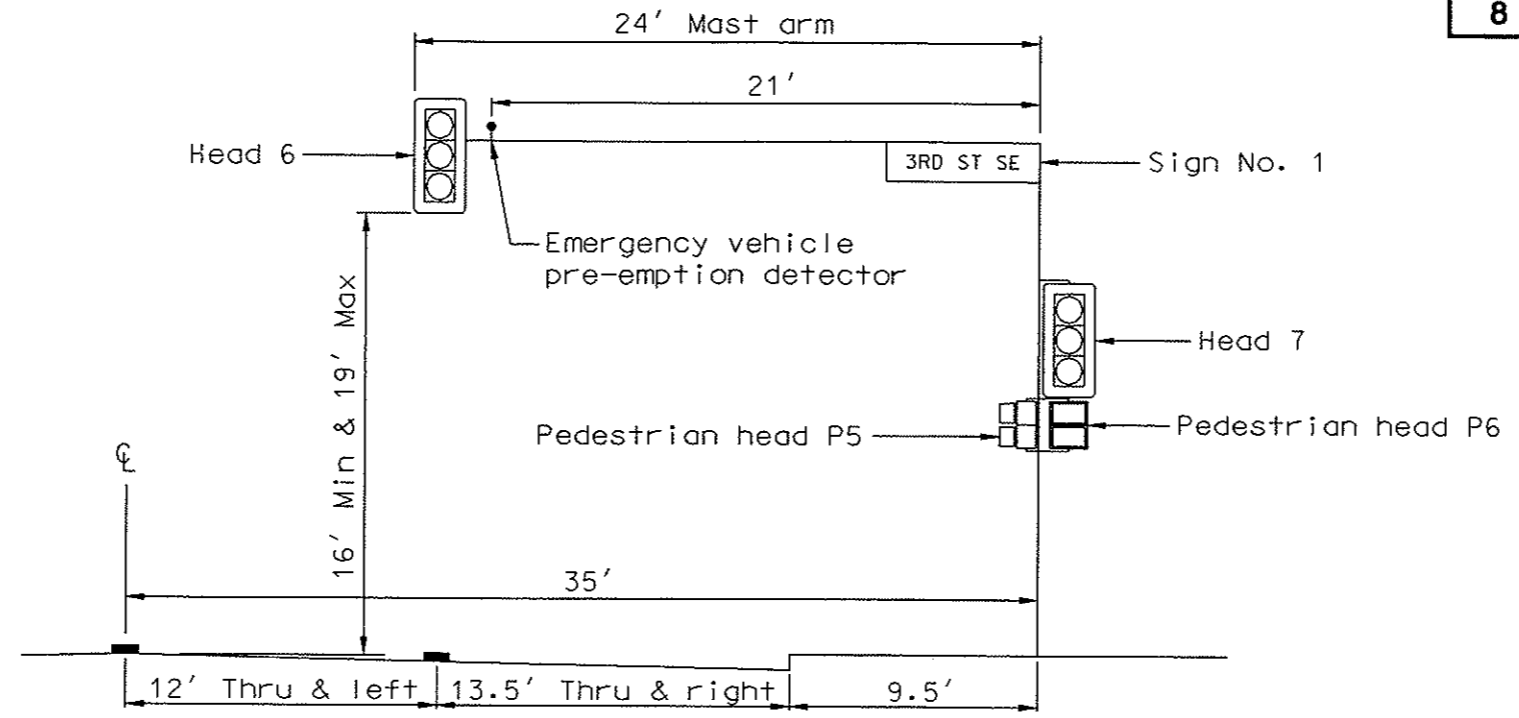
	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
<u>Basic intervals (or functions)</u>								
Minimum initial		5.8		5.8		5.8		5.8
Passage time		5.0		4.7		5.6		5.0
Maximum (maximum green or ext. limit)		35		25		35		25
Yellow change		4.0		4.0		4.0		4.0
Red clearance		1.0		1.0		1.0		1.0
Walk		10.0		10.0		10.0		10.0
Pedestrian clearance		11.0		11.5		11.0		11.5
<u>Volume density timing functions</u>								
	⊖		⊖		⊖		⊖	
<u>Variable initial timing options</u>								
	S		S		S		S	
Added initial	D		D		D		D	
Minimum initial		5.8		5.8		5.8		5.8
Added initial per actuation		2.1		2.1		2.1		2.1
Actuations before added initial		2		2		2		2
<u>Computed initial</u>								
	⊖		⊖		⊖		⊖	
Minimum initial		5.8		5.8		5.8		5.8
Maximum initial		18.8		18.1		20.9		18.8
Actuations to reach maximum initial		7		6		8		7
<u>Extensible initial</u>								
	+		+		+		+	
Minimum initial		5.8		5.8		5.8		5.8
Maximum initial		18.8		18.1		20.9		18.8
Added initial per actuation		2.1		2.1		2.1		2.1
<u>Time waiting gap reduction options</u>								
Passage time		5.0		4.7		5.6		5.0
Minimum gap		1.4		1.4		1.4		1.4
Time to reduce to minimum gap		9.2		1.9		7.1		1.2
Reduce gap every		1.0		1.0		1.0		1.0
Reduce gap every second by		.4		1.7		.6		3.0
Reduce gap by		3.6		3.3		4.2		3.6
Locking memory		X		X		X		X
Non-locking memory								
Flashing-normal & conflict monitor		Y		R		Y		R
Start up phasing		G		R		G		R
Type of detector loop								
Presence								
Calling (A)		X		X		X		X
Passage		X		X		X		X

(A) Calling loops shall place one call into the controller on the yellow or red interval. Calling loops shall be disconnected during the green interval.

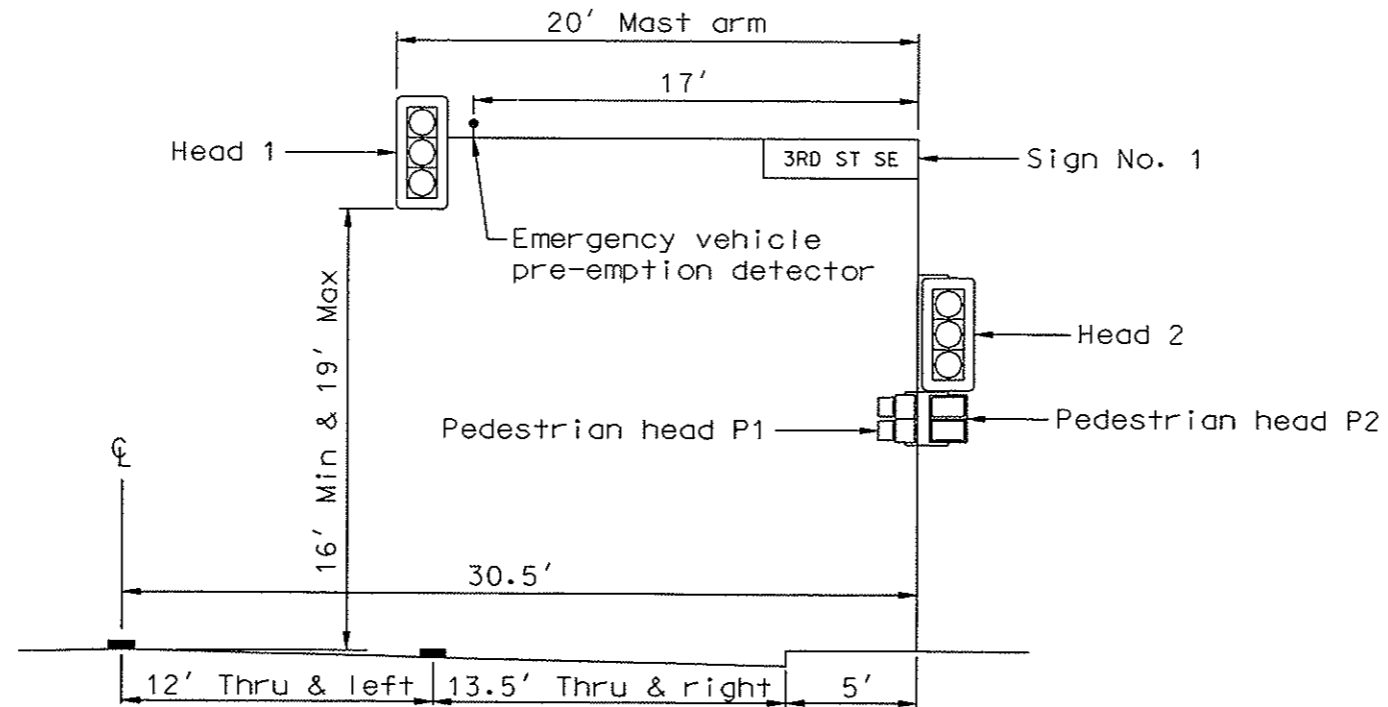


Traffic signals
Controller settings
6th Av SE (ND 1806) &
3rd St SE
Mandan, ND

FHWA REGION	STATE	PROJECT NO.	SHEET NO.
8	ND	HEU-1-806(032)069	16



Sta 25+88-35' 1+
Northbound, south approach
Cross section



Sta 26+73-30.5' rt
Southbound, north approach
Cross section

Traffic signals
Signal head & mast arm locations
6th Av SE (ND 1806) &
3rd St SE
Mandan, ND