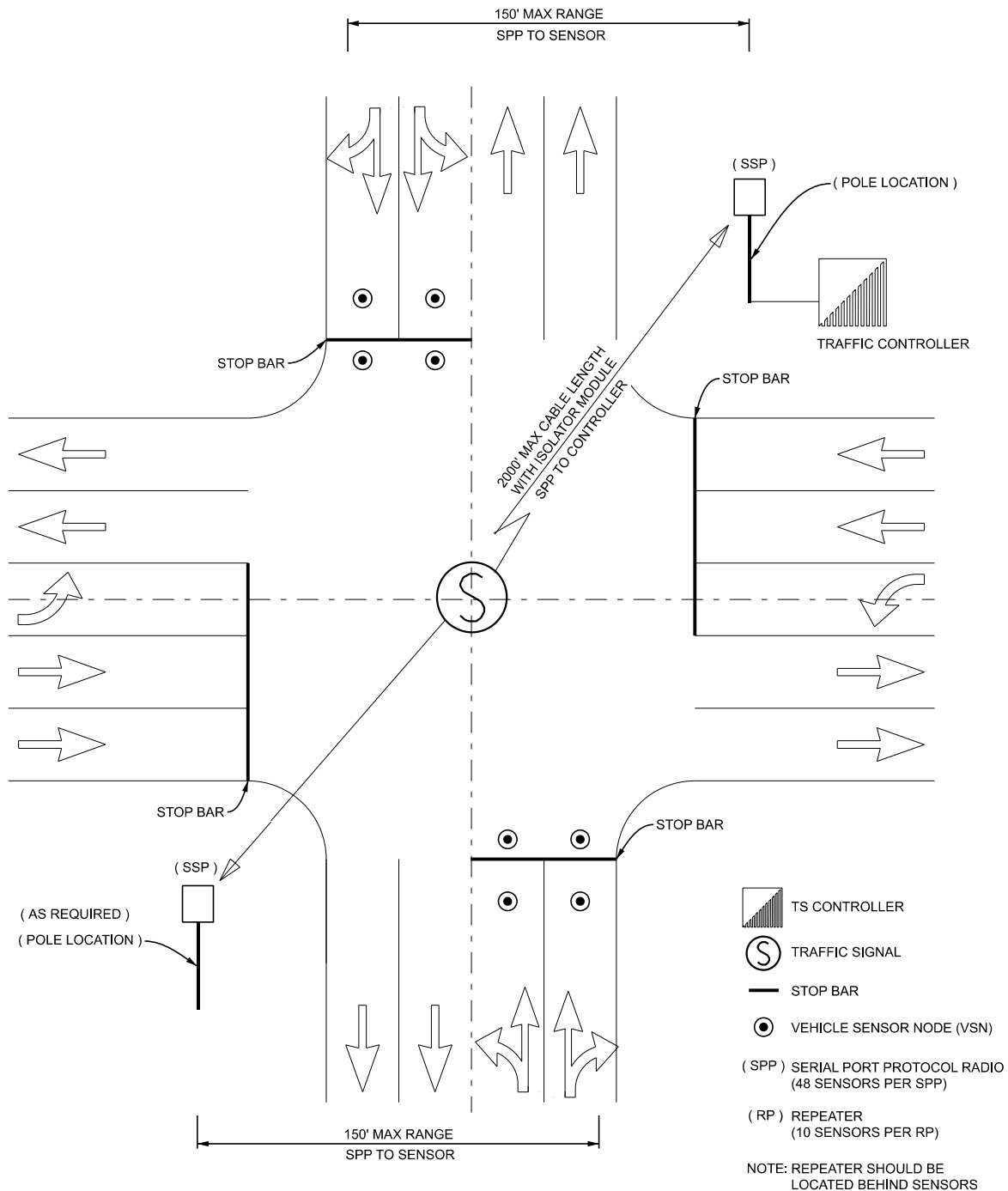




A DETAIL - TYPICAL VEHICLE SENSOR NODE CONFIGURATION
NTS INTERSECTION DETECTION CROSS ROAD ACTIVATED (NON-LOCKING)

APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF DEVELOPMENT



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

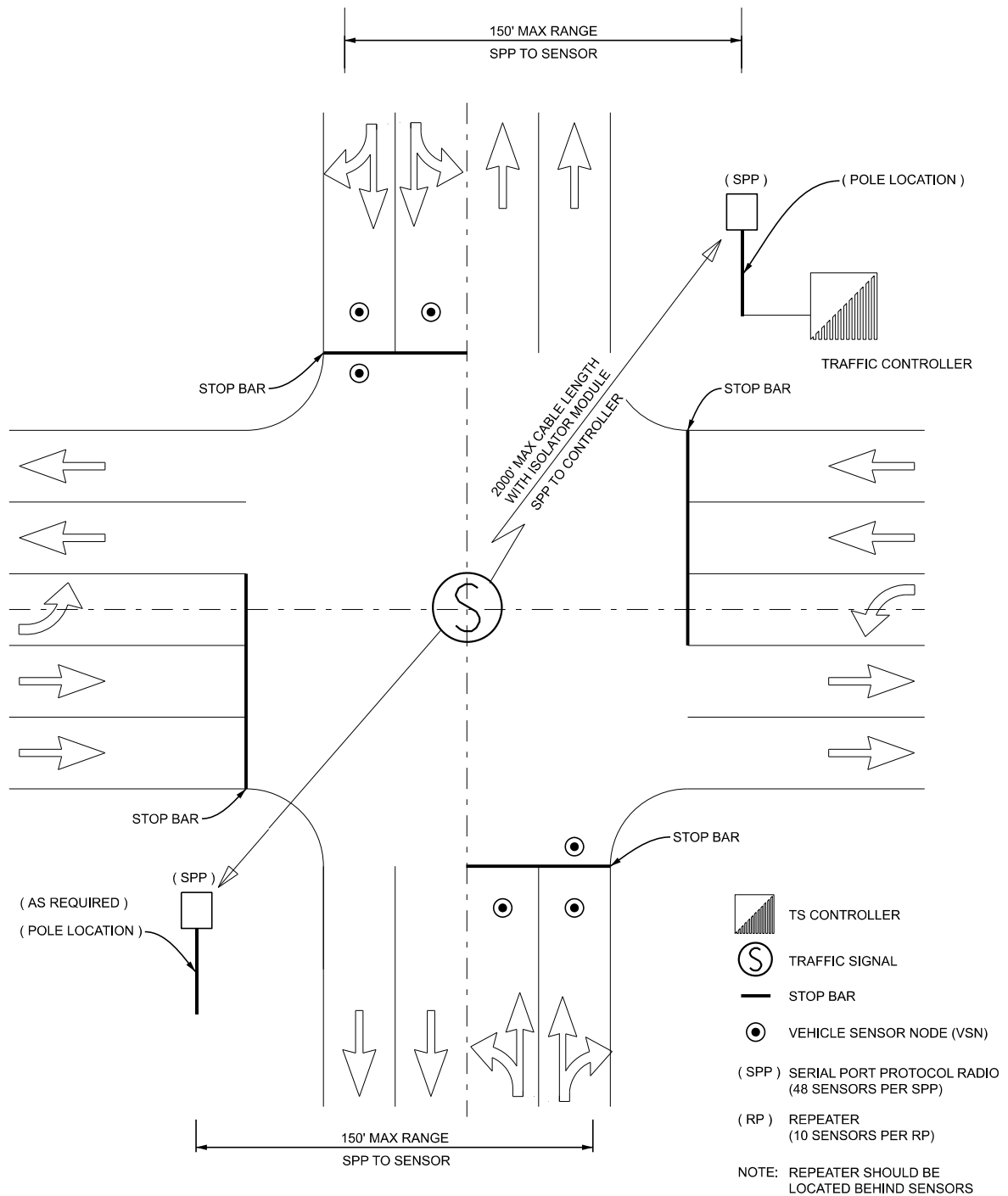
STANDARD PLAN FOR
WIRELESS VEHICLE
DETECTION SYSTEM

(SPECIAL DETAIL)
FHWA APPROVAL

05/31/23
PLAN DATE

SIG-420-A

SHEET
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B DETAIL - TYPICAL VEHICLE SENSOR NODE CONFIGURATION
NTS INTERSECTION DETECTION CROSS ROAD ACTIVATED (LOCKING)



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR
WIRELESS VEHICLE
DETECTION SYSTEM

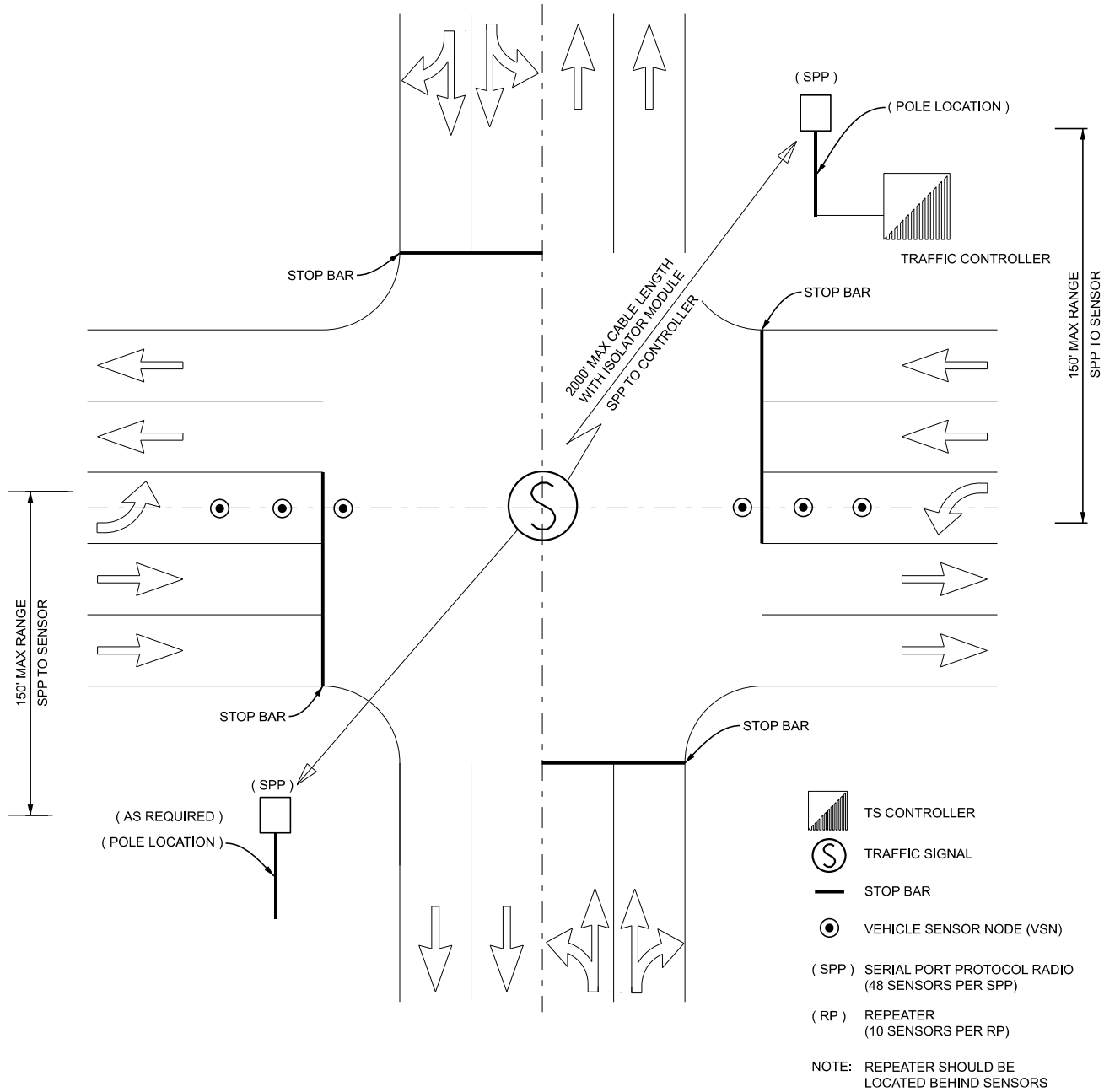
(SPECIAL DETAIL)
FHWA APPROVAL

05/31/23
PLAN DATE

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C DETAIL - TYPICAL VEHICLE SENSOR NODE CONFIGURATION
NTS INTERSECTION DETECTION LEFT-TURN ACTIVATED PERMISSIVE PROTECTED (NON-LOCKING)



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

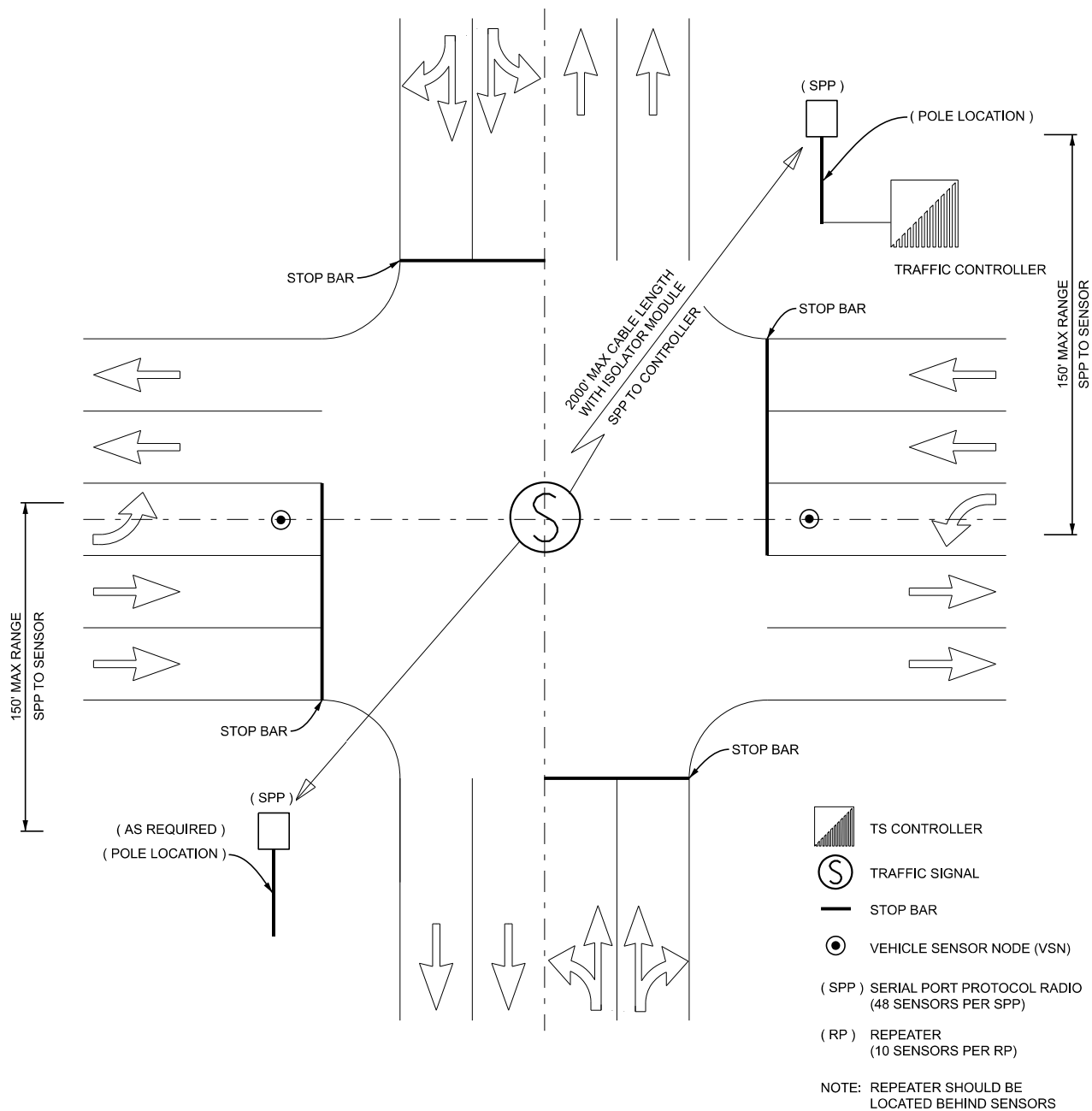
STANDARD PLAN FOR
WIRELESS VEHICLE
DETECTION SYSTEM

(SPECIAL DETAIL)
FHWA APPROVAL

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D DETAIL - TYPICAL VEHICLE SENSOR NODE CONFIGURATION
NTS INTERSECTION DETECTION LEFT-TURN ACTIVATED PROTECTED ONLY (LOCKING)



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

(SPECIAL DETAIL)
FHWA APPROVAL

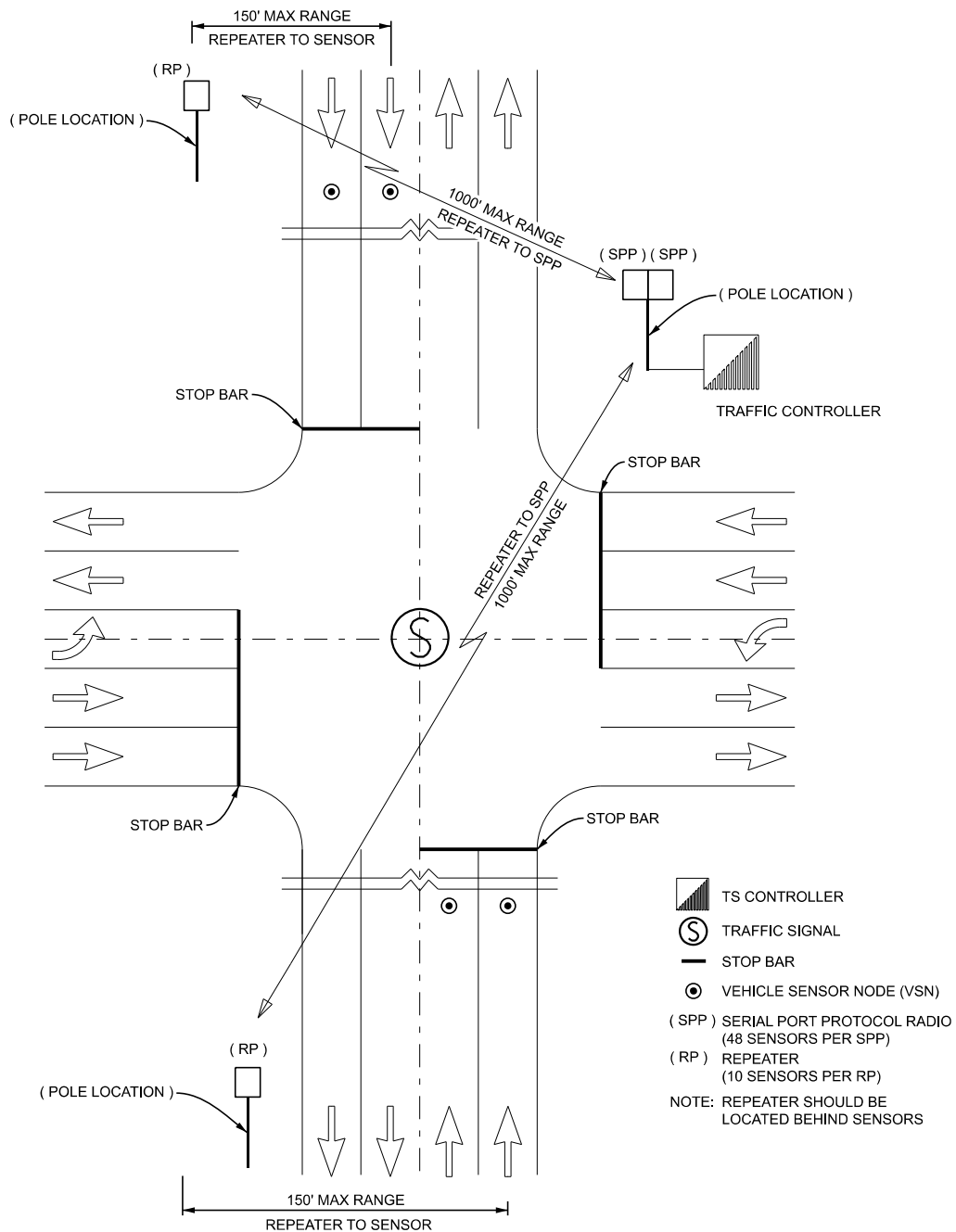
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STANDARD PLAN FOR
WIRELESS VEHICLE
DETECTION SYSTEM

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E DETAIL - TYPICAL VEHICLE SENSOR NODE CONFIGURATION
NTS ADVANCE DETECTION



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

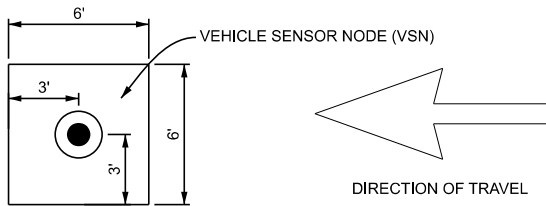
STANDARD PLAN FOR
WIRELESS VEHICLE
DETECTION SYSTEM

(SPECIAL DETAIL)
FHWA APPROVAL

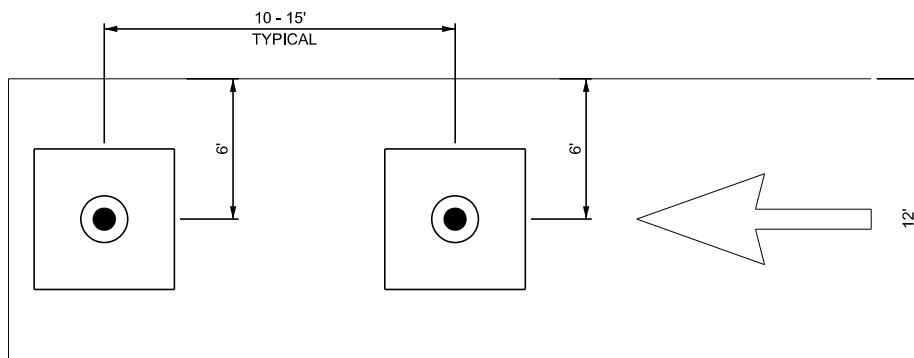
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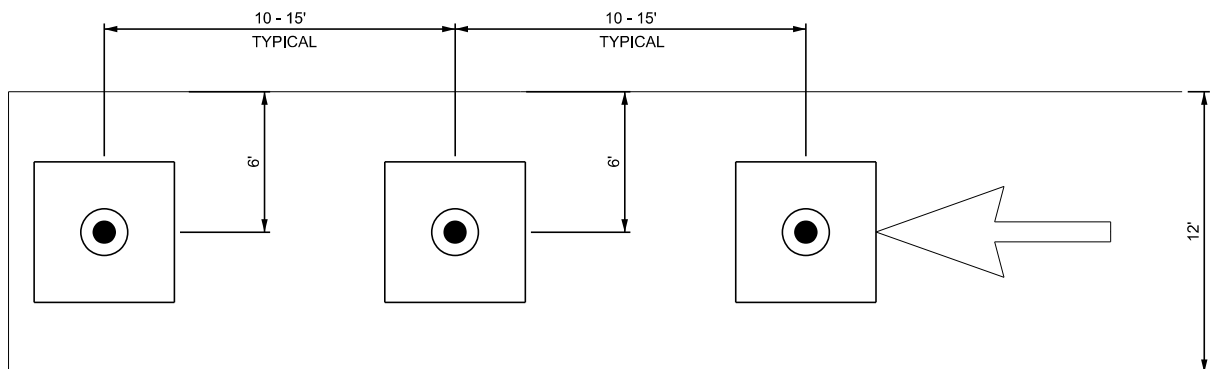
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F DETAIL - TYPICAL 6' X 6' DETECTION ZONE
NTS



G DETAIL - TYPICAL 6' X 20' DETECTION ZONE
NTS



H DETAIL - TYPICAL 6' X 30' DETECTION ZONE
NTS



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STANDARD PLAN FOR
WIRELESS VEHICLE
DETECTION SYSTEM

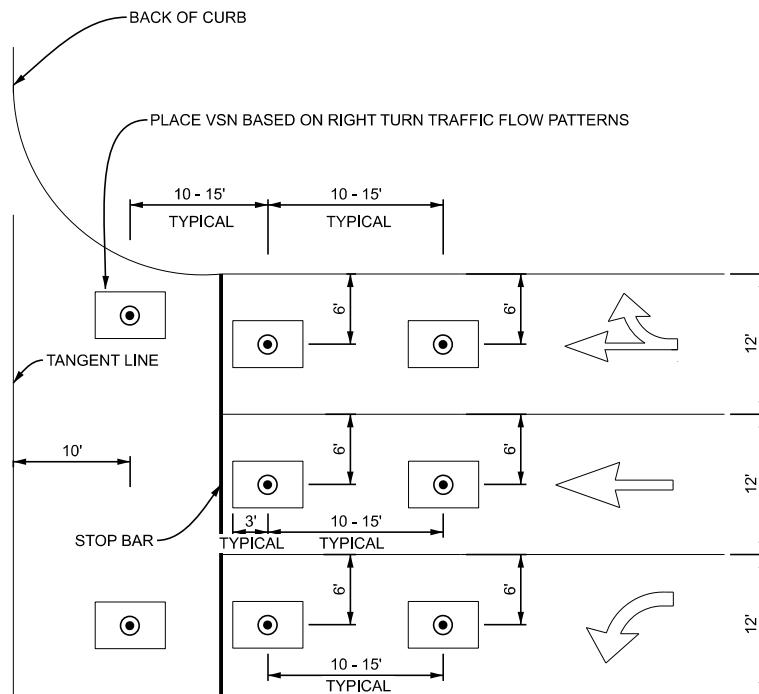
(SPECIAL DETAIL)
FHWA APPROVAL

05/31/23
PLAN DATE

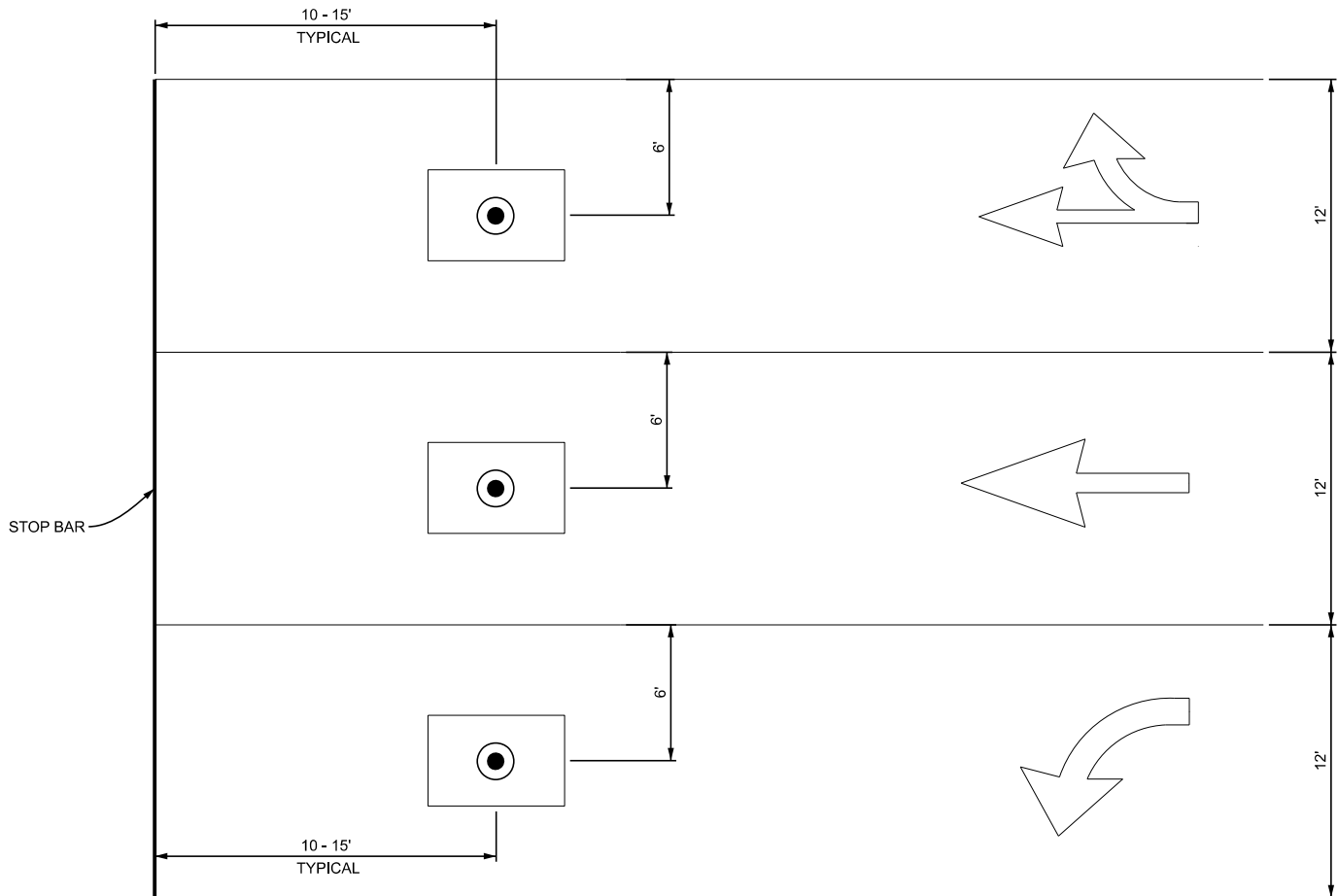
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I DET - VEHICLE SENSOR NODE (NON-LOCKING) INSTALLATION DIAGRAM
 NTS FOR A TWO PHASE (NON-COORDINATED) APPROACH WITH (NON-LOCKING) PERMISSIVE/PERMISSIVE-PROTECTED LT PHASING



J **DETAIL - TYPICAL VEHICLE SENSOR NODE (LOCKING) INSTALLATION DIAGRAM**
 NTS FOR AT TWO PHASE APPROACH WITH (LOCKING) PROTECTED ONLY LEFT TURN PHASING



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR
WIRELESS VEHICLE
DETECTION SYSTEM

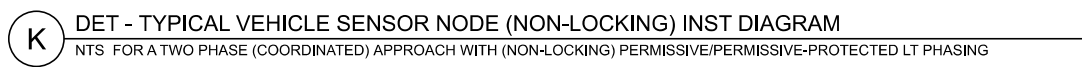
(SPECIAL DETAIL)
FHWA APPROVAL

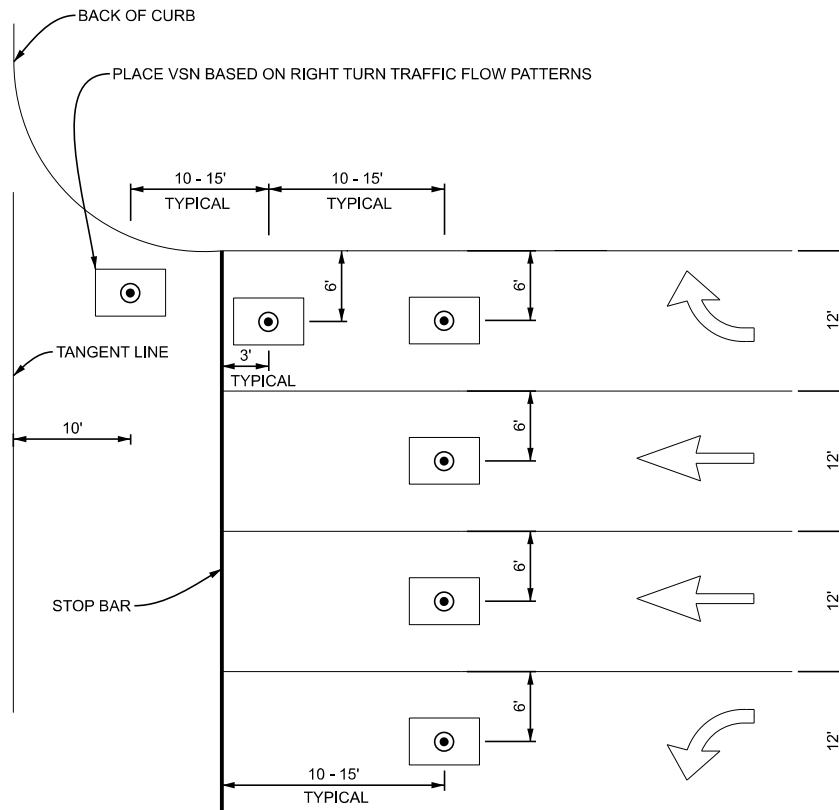
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L **DETAIL - TYPICAL VEHICLE SENSOR NODE (LOCKING) INSTALLATION DIAGRAM**
 NTS FOR A TWO PHASE APPROACH WITH PROTECTED ONLY LEFT TURN PHASING
 *RIGHT TURNS MAY BE NON-LOCKING OR LOCKING WITH RIGHT TURN DELAYS

 Michigan Department of Transportation DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE	STANDARD PLAN FOR WIRELESS VEHICLE DETECTION SYSTEM			SHEET 10 OF 10 SECT
	(SPECIAL DETAIL) FHWA APPROVAL	05/31/23 PLAN DATE	SIG-420-A	