

Permissive Left Turns

NOTES:

1. ALL SIGNAL HEAD LOCATIONS SHALL COMPLY WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS ADOPTED BY THE STATE OF IDAHO.
2. DETAIL IS A TYPICAL DESIGN FOR A TYPICAL ROAD INTERSECTING AT A 90° ANGLE. ALL SIGNAL HEAD LOCATIONS SHALL BE VERIFIED IN THE FIELD BY ACHD PRIOR TO DRILLING HOLES IN THE MAST ARM.
3. SEE STANDARD DETAIL TS-1109.01 FOR STREET NAME SIGN INSTALLATION DETAILS. RIGHT EDGE OF SIGN SHOULD BE LOCATED AS CLOSE TO THE EDGE OF PAVEMENT AS FEASIBLE.
4. REPLACE R10-12 SIGN WITH AN R6-1L OR R6-1R SIGN (ONE WAY) IF INSTALLED ON A ONE WAY ROADWAY.
5. REPLACE R3-5a SIGN WITH AN R6-1L OR R6-1R SIGN (ONE WAY) IF CROSS ROAD IS A ONE WAY ROADWAY.
6. INSTALL R3-2 SIGN (NO LEFT TURN) IN COMBINATION WITH AN R6-1R SIGN (ONE WAY) ACCORDING TO SITE SPECIFIC GEOMETRY.
7. OTHER MAST ARM MOUNTED SIGNS MAY BE REQUIRED BASED ON SITE SPECIFIC CONDITIONS. SEE SIGNAL PLANS FOR DETAILS.

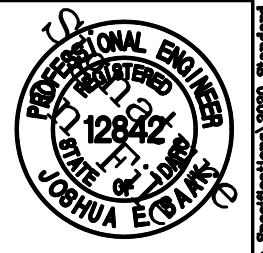
NO.	DATE	BY	DESCRIPTION
12/2021	JES		Minor design modifications

• REVISIONS •



• SIGNATURES •	
Scale: NTS	Drawn By: Joshua Seak
Date: 12/19/2016	Design By: Joshua Seak
File: TS-1117.01.DWG	Approved By: Shawn Martin

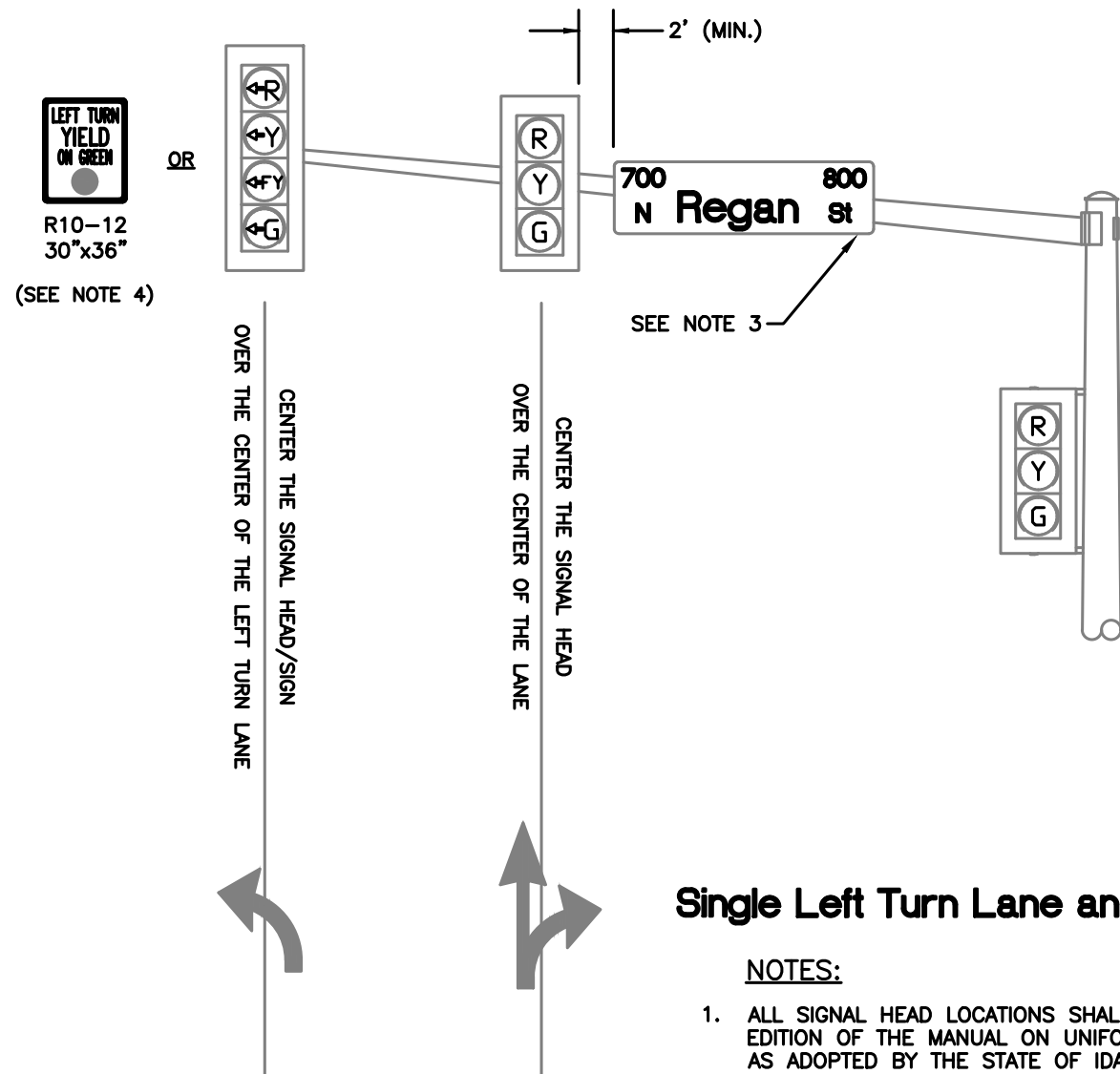
• SHEET TITLE •	
Standard Traffic Signal Head Location Details – Perm. Shared Left Turns/One Way Streets	



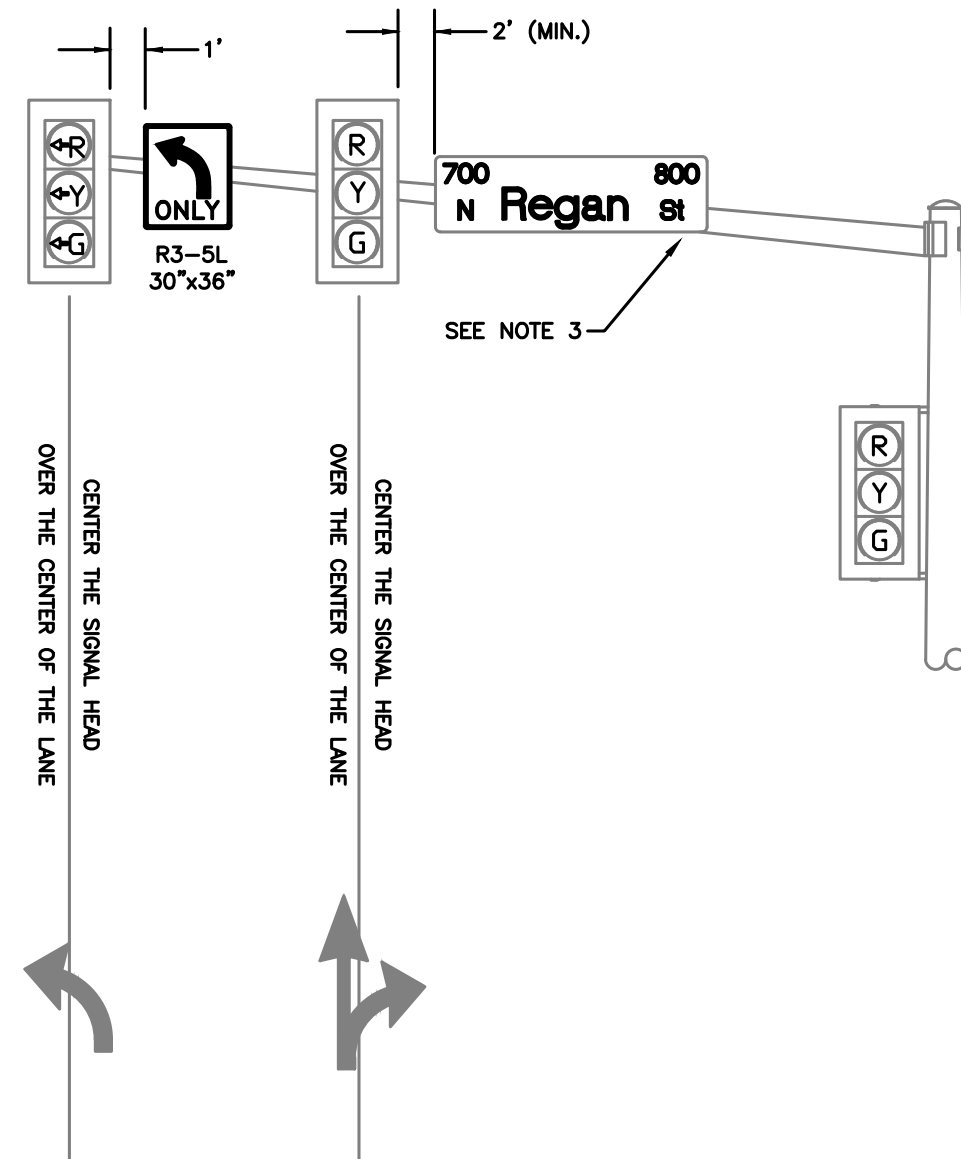
• STANDARD DETAIL NO. •
TS-1117.01

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Flashing Yellow Arrow (Protected/Permissive)



Protected Left Turns



Single Left Turn Lane and Single Through Lane

NOTES:

1. ALL SIGNAL HEAD LOCATIONS SHALL COMPLY WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS ADOPTED BY THE STATE OF IDAHO.
2. DETAIL IS A TYPICAL DESIGN FOR A TYPICAL ROAD INTERSECTING AT A 90° ANGLE. ALL SIGNAL HEAD LOCATIONS SHALL BE VERIFIED IN THE FIELD BY ACHD PRIOR TO DRILLING HOLES IN THE MAST ARM.
3. SEE STANDARD DETAIL TS-1109.01 FOR STREET NAME SIGN INSTALLATION DETAILS. RIGHT EDGE OF SIGN SHOULD BE LOCATED AS CLOSE TO THE EDGE OF PAVEMENT AS FEASIBLE.
4. R10-12 SIGNS MAY BE USED IN PLACE OF THE LEFT TURN SIGNAL HEAD WHERE APPROVED BY THE ACHD TRAFFIC ENGINEER.
5. OTHER MAST ARM MOUNTED SIGNS MAY BE REQUIRED BASED ON SITE SPECIFIC CONDITIONS. SEE SIGNAL PLANS FOR DETAILS.

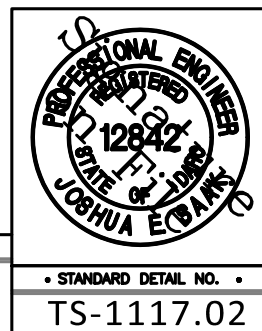
NO.	DATE	BY	DESCRIPTION
12/2022	JES		Minor design modifications

• REVISIONS •

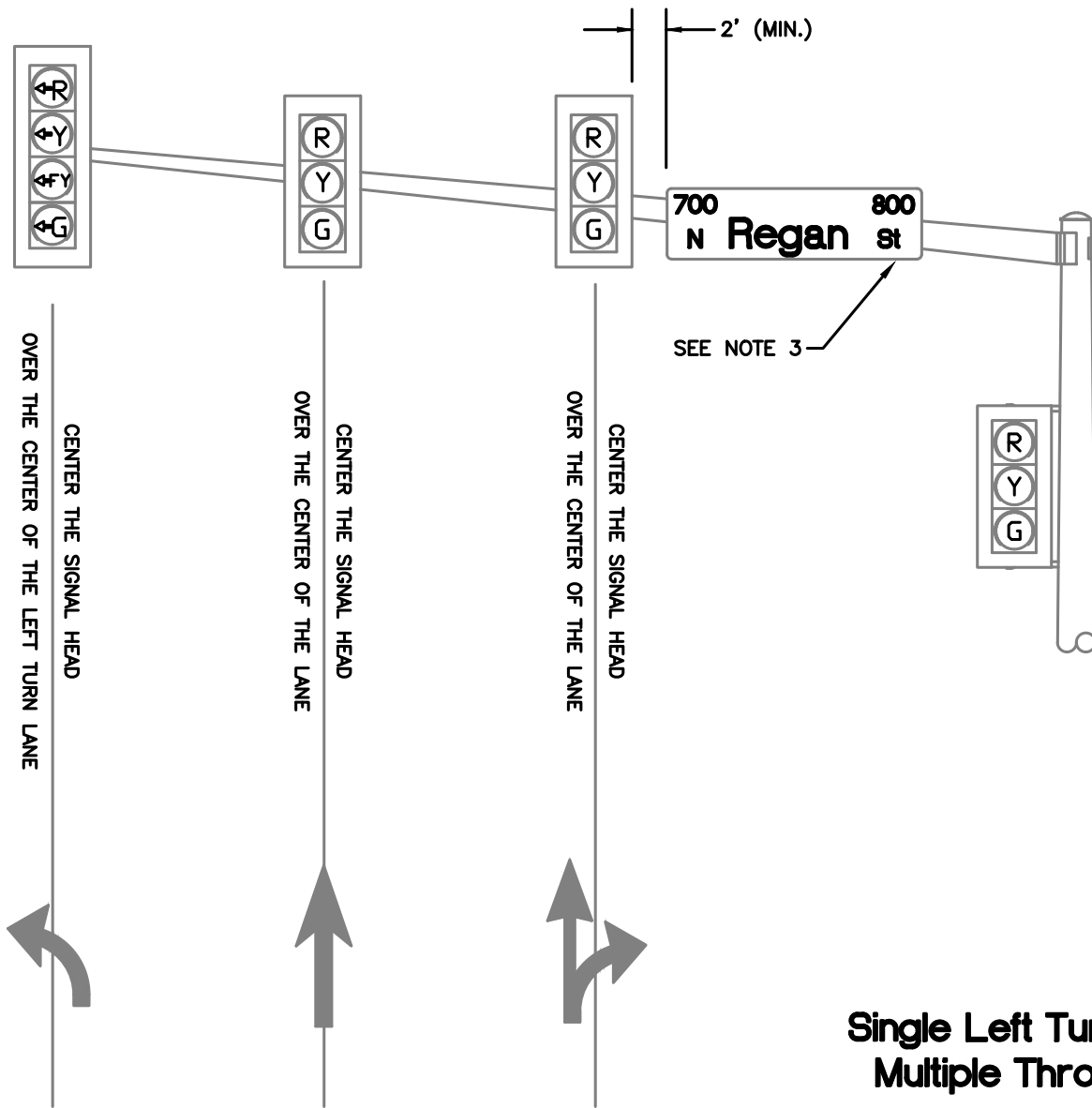


• SIGNATURES •	
Scale: NTS	Drawn By: Joshua Seak
Date: 12/19/2016	Design By: Joshua Seak
File: TS-1117.02.DWG	Approved By: Shawn Martin

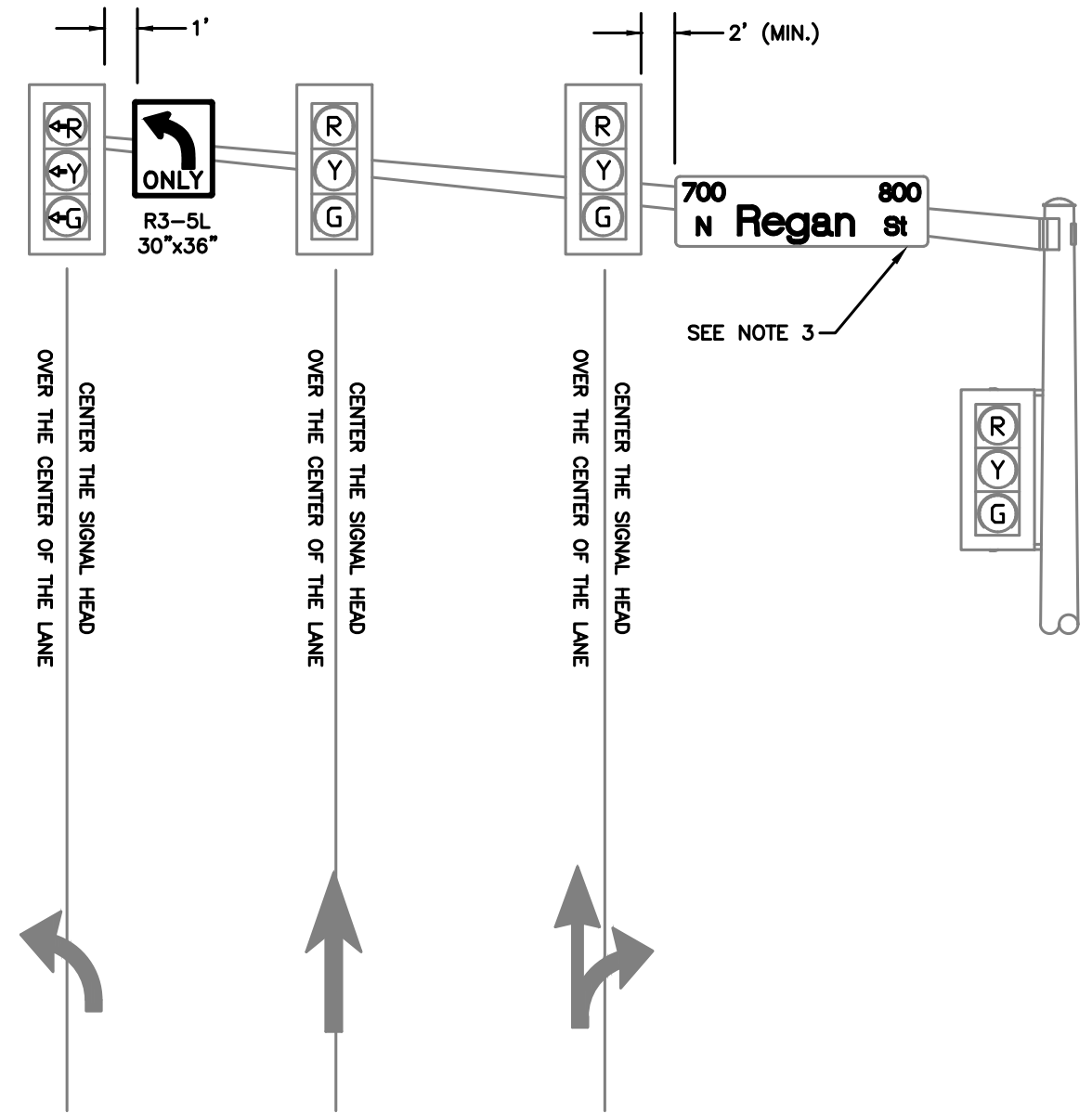
• SHEET TITLE •	
Standard Traffic Signal Head Location Details – Single Left Turn Lane, Through Lane	



Flashing Yellow Arrow (Protected/Permissive)



Protected Left Turns



Single Left Turn Lane and Multiple Through Lanes

NOTES:

1. ALL SIGNAL HEAD LOCATIONS SHALL COMPLY WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS ADOPTED BY THE STATE OF IDAHO.
2. DETAIL IS A TYPICAL DESIGN FOR A TYPICAL ROAD INTERSECTING AT A 90° ANGLE. ALL SIGNAL HEAD LOCATIONS SHALL BE VERIFIED IN THE FIELD BY ACHD PRIOR TO DRILLING HOLES IN THE MAST ARM.
3. SEE STANDARD DETAIL TS-1109.01 FOR STREET NAME SIGN INSTALLATION DETAILS. RIGHT EDGE OF SIGN SHOULD BE LOCATED AS CLOSE TO THE EDGE OF PAVEMENT AS FEASIBLE.
4. OTHER MAST ARM MOUNTED SIGNS MAY BE REQUIRED BASED ON SITE SPECIFIC CONDITIONS. SEE SIGNAL PLANS FOR DETAILS.

NO.	DATE	BY	DESCRIPTION
12/2022	JES		Minor design modifications

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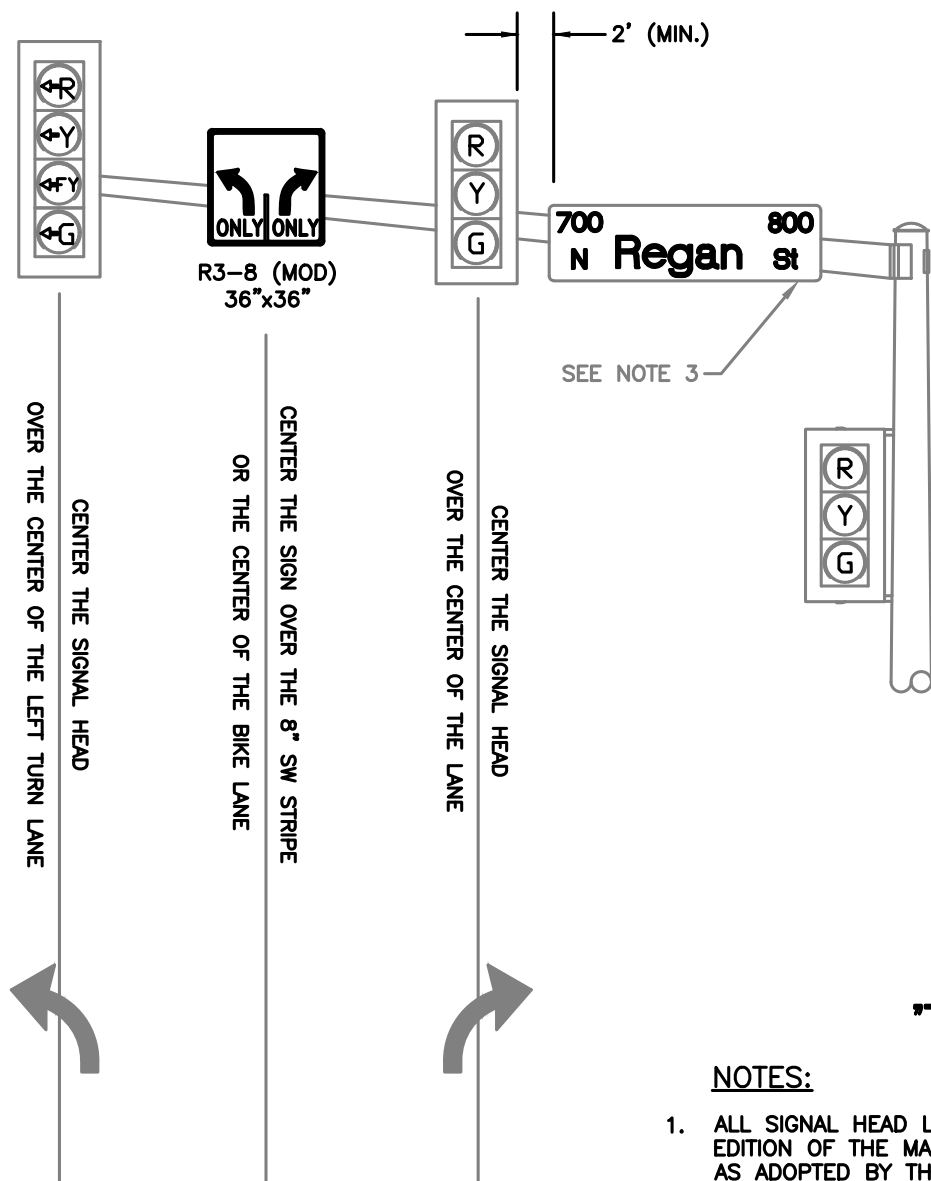
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Scale: NTS	Drawn By: Joshua Saak
Date: 12/20/2016	Design By: Joshua Saak
File: TS-1117.08.DWG	Approved By: Shawn Martin

• SHEET TITLE •	
Standard Traffic Signal Head Location Details – Multi-Lane Approach with Single Left Turn Lane	

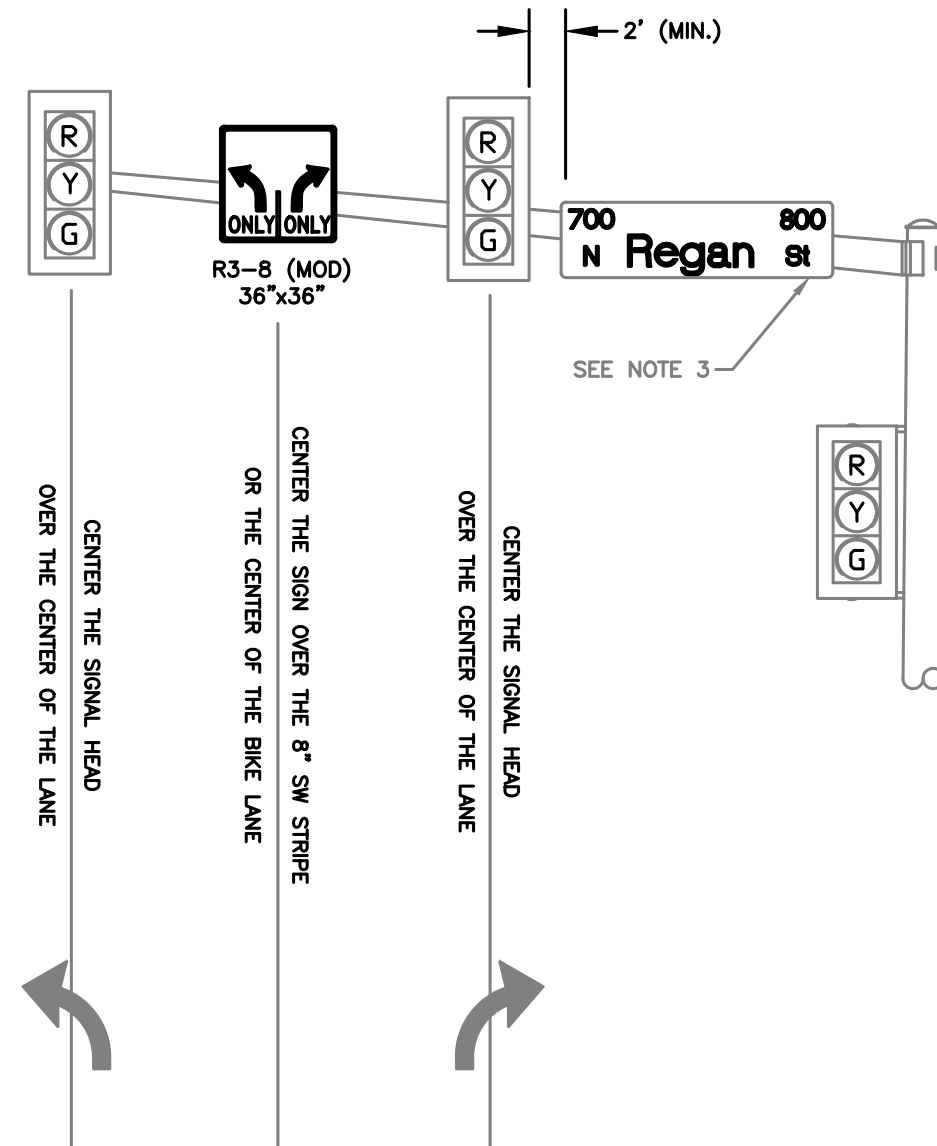
PROFESSIONAL ENGINEER
 REGISTERED
 12842
 STATE OF IDAHO
 JOSHUA E. SAAK

• STANDARD DETAIL NO. •
 TS-1117.03

Flashing Yellow Arrow (Protected/Permissive)



Permissive Left Turns



'T' Intersections

NOTES:

1. ALL SIGNAL HEAD LOCATIONS SHALL COMPLY WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS ADOPTED BY THE STATE OF IDAHO.
2. DETAIL IS A TYPICAL DESIGN FOR A TYPICAL ROAD INTERSECTING AT A 90° ANGLE. ALL SIGNAL HEAD LOCATIONS SHALL BE VERIFIED IN THE FIELD BY ACHD PRIOR TO DRILLING HOLES IN THE MAST ARM.
3. SEE STANDARD DETAIL TS-1109.01 FOR STREET NAME SIGN INSTALLATION DETAILS. RIGHT EDGE OF SIGN SHOULD BE LOCATED AS CLOSE TO THE EDGE OF PAVEMENT AS FEASIBLE.
4. THE LEFT TURN GREEN ARROW PHASE MAY BE OMITTED AT THE DISCRETION OF ACHD CONGESTION MANAGEMENT.
5. OTHER MAST ARM MOUNTED SIGNS MAY BE REQUIRED BASED ON SITE SPECIFIC CONDITIONS. SEE SIGNAL PLANS FOR DETAILS.

NO.	DATE	BY	DESCRIPTION
▲			
▲	12/2021	JES	Minor design modifications
▲	12/2021	JES	Minor design modifications
• REVISIONS •			

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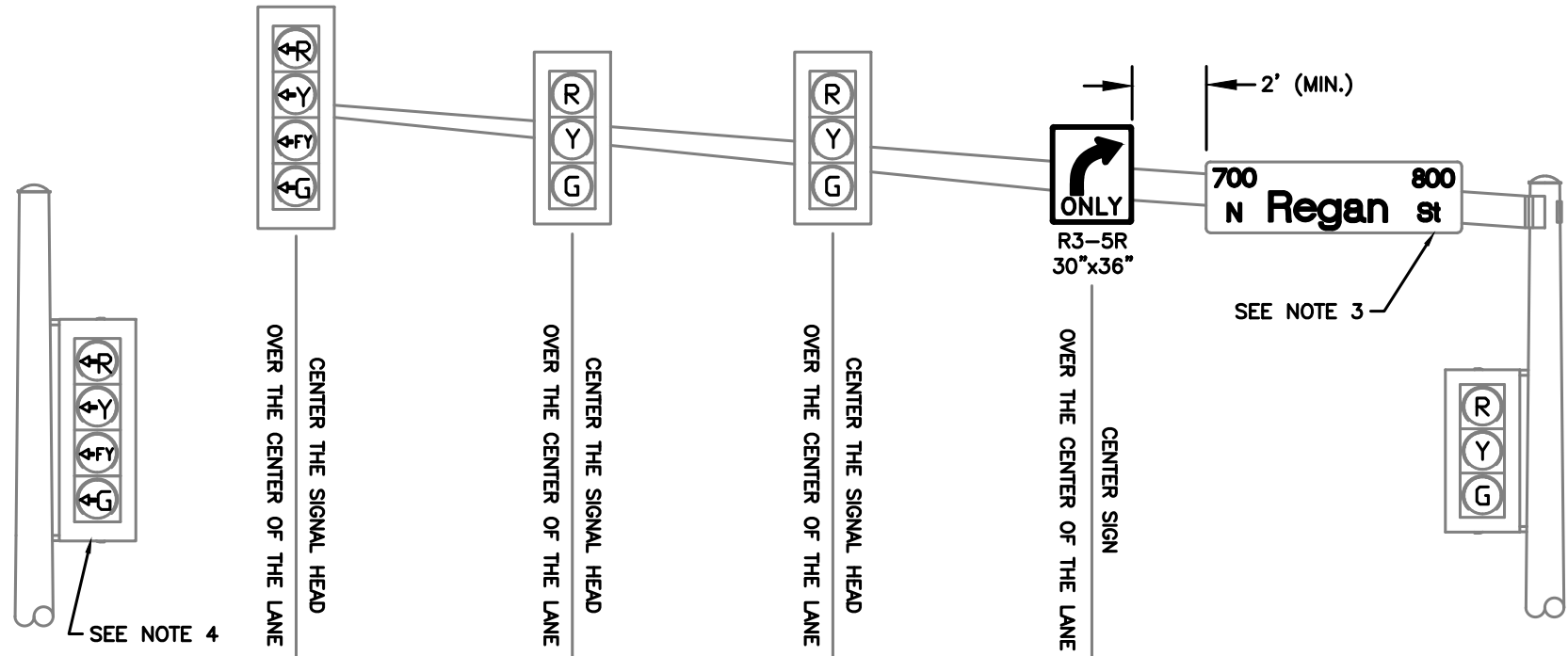
• SIGNATURES •	
Scale: NTS	Drawn By: Joshua Seak
Date: 12/20/2016	Design By: Joshua Seak
File: TS-1117.04.DWG	Approved By: Shawn Martin

• SHEET TITLE •	
Standard Traffic Signal Head Location Details – T-Intersections	

PROFESSIONAL ENGINEER
REGISTERED
STATE OF IDAHO
12842
JOBHUA E. SEAK

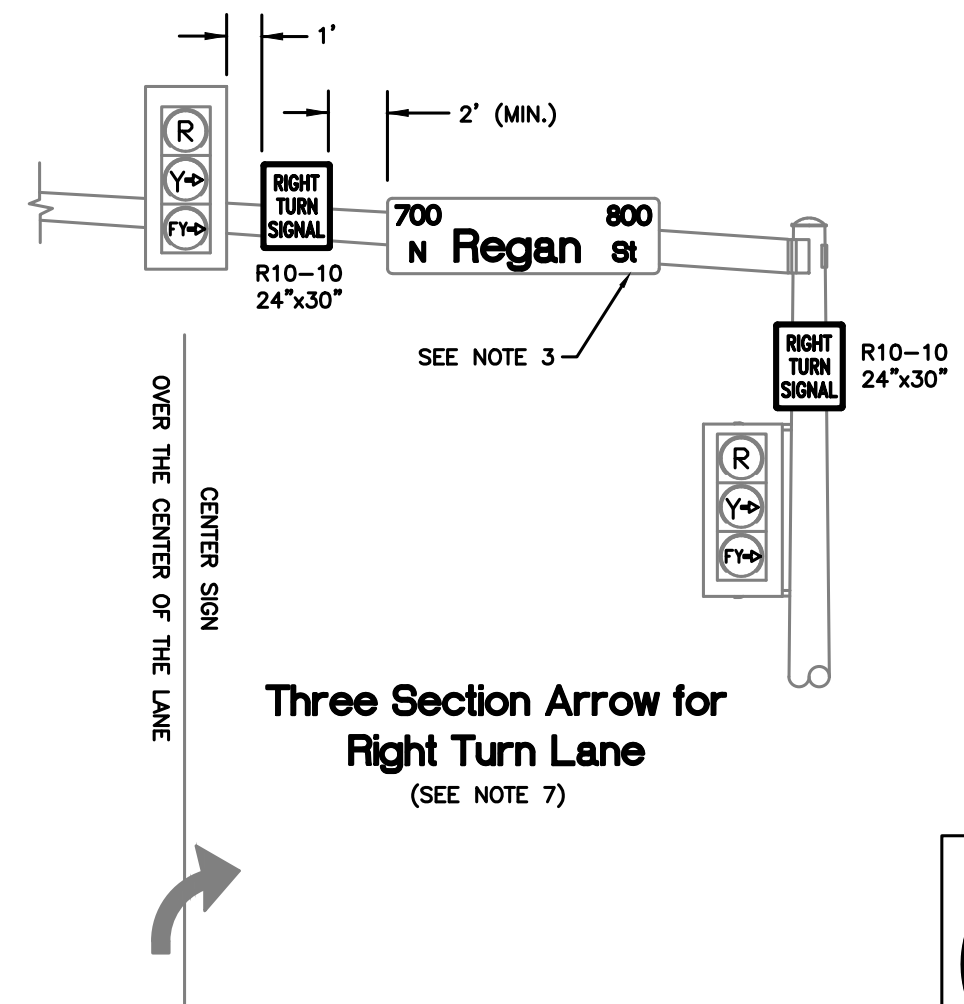
• STANDARD DETAIL NO. •
TS-1117.04

Flashing Yellow Arrow (Protected/Permissive)



Right Turn Sign for Right Turn Lane

Single Left Turn Lane, Multiple Through Lanes and Right Turn Lane



Three Section Arrow for Right Turn Lane (SEE NOTE 7)

- NOTES:**
1. ALL SIGNAL HEAD LOCATIONS SHALL COMPLY WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS ADOPTED BY THE STATE OF IDAHO.
 2. DETAIL IS A TYPICAL DESIGN FOR A TYPICAL ROAD INTERSECTING AT A 90° ANGLE. ALL SIGNAL HEAD LOCATIONS SHALL BE VERIFIED IN THE FIELD BY ACHD PRIOR TO DRILLING HOLES IN THE MAST ARM.
 3. SEE STANDARD DETAIL TS-1109.01 FOR STREET NAME SIGN INSTALLATION DETAILS. RIGHT EDGE OF SIGN SHOULD BE LOCATED AS CLOSE TO THE EDGE OF PAVEMENT AS FEASIBLE.
 4. FOR NEW SIGNALS OR SIGNIFICANT MODIFICATIONS TO EXISTING SIGNALS, FAR SIDE LEFT TURN SIGNAL HEAD INSTALLATION SHOULD BE INCLUDED ON APPROACHES WITH POSTED SPEED LIMITS GREATER THAN 40 MPH. FAR SIDE LEFT TURN SIGNAL HEAD INSTALLATION MAY BE REQUIRED AT THE DISCRETION OF THE ACHD TRAFFIC ENGINEER AT SPEED LIMITS OF 40 MPH OR LESS.
 5. THE LEFT TURN GREEN ARROW PHASE MAY BE OMITTED AT THE DISCRETION OF ACHD CONGESTION MANAGEMENT.
 6. OTHER MAST ARM MOUNTED SIGNS MAY BE REQUIRED BASED ON SITE SPECIFIC CONDITIONS. SEE SIGNAL PLANS FOR DETAILS.
 7. RIGHT TURNS MAY BE EITHER SIGNED OR SIGNALIZED AT THE DISCRETION OF THE ACHD TRAFFIC ENGINEER.

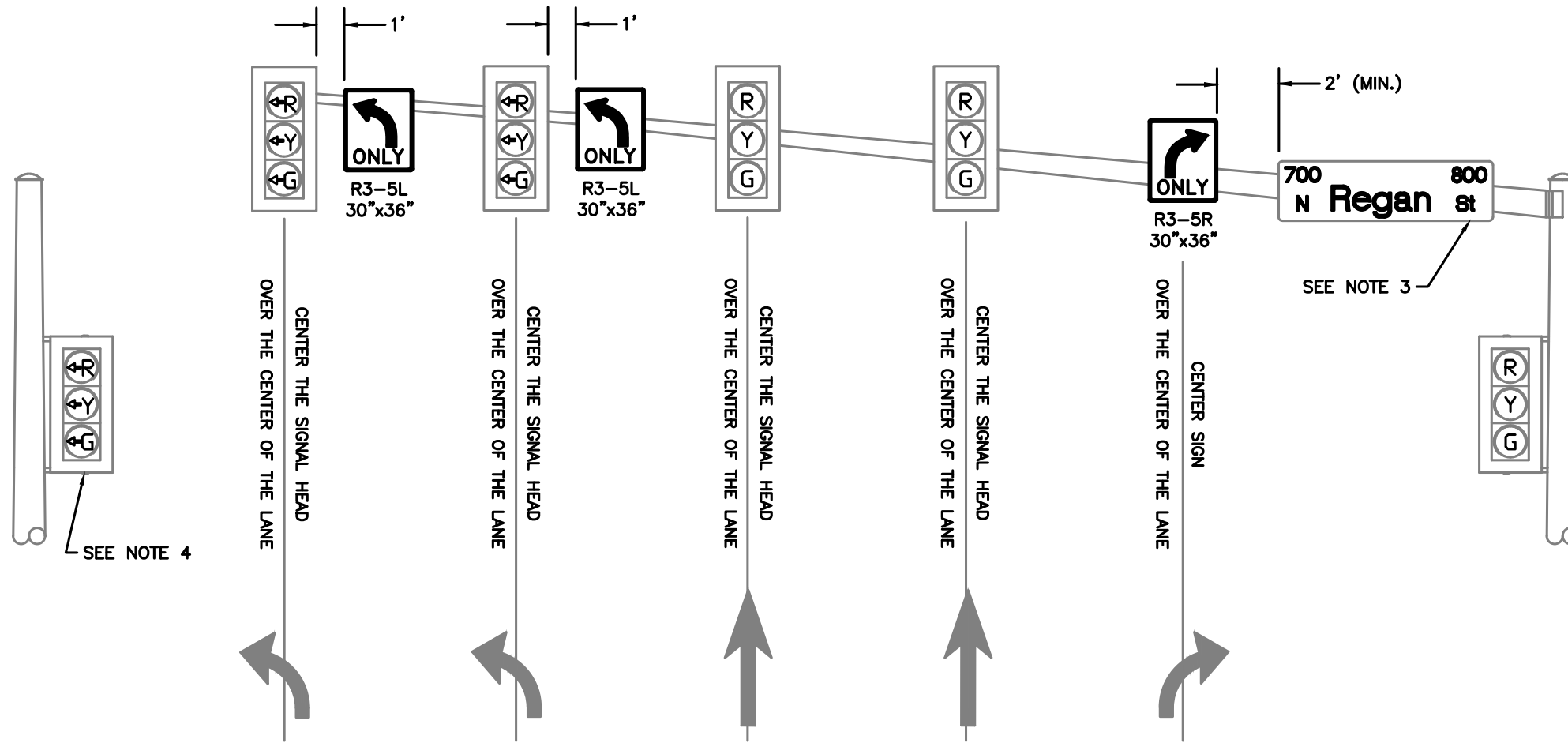
Traffic Engineering Division	
3775 Adams Street Boise, ID 83714 www.achdidaho.org	

• SIGNATURES •	
Scale: NTS	Drawn By: Joshua Saak
Date: 12/22/2023	Design By: Joshua Saak
File: TS-1117.06.DWG	Approved By: Shawn Martin

• SHEET TITLE •	
Standard Traffic Signal Head Location Details – Multi-Lane Approach with Single Left Turn Lane, Right Turn Lane	

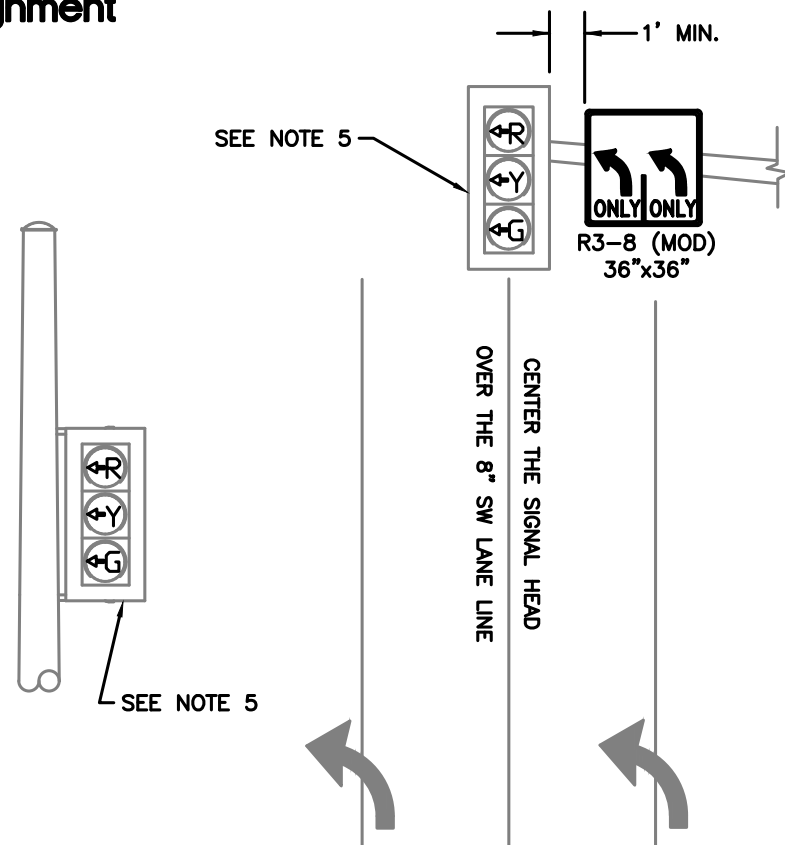
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TS-1117.05

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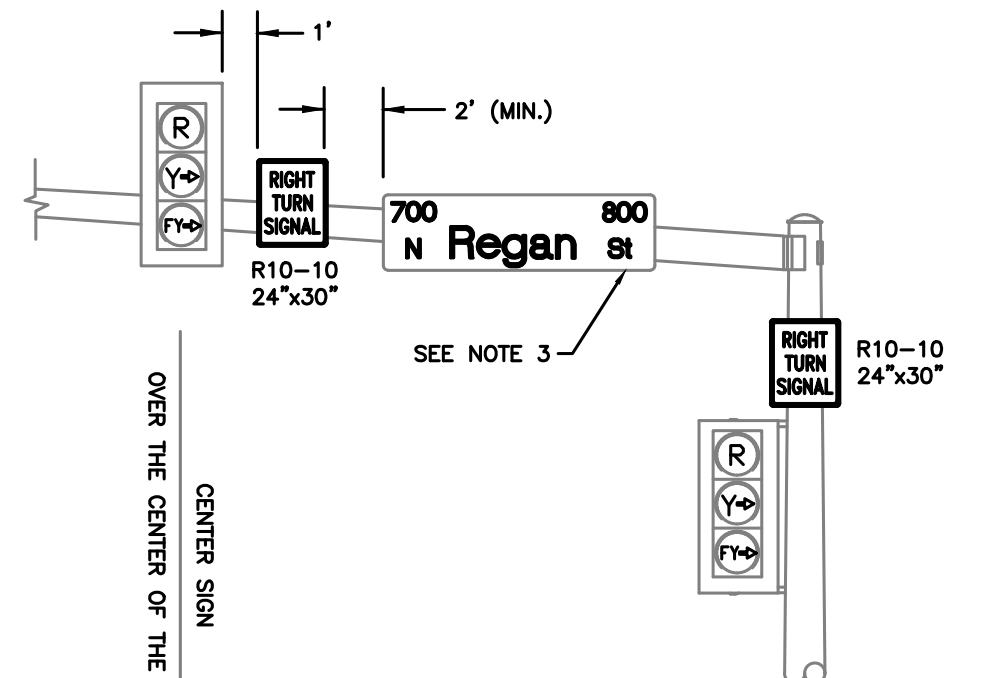


Desired Signal Head Alignment

- NOTES:**
1. ALL SIGNAL HEAD LOCATIONS SHALL COMPLY WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS ADOPTED BY THE STATE OF IDAHO.
 2. DETAIL IS A TYPICAL DESIGN FOR A TYPICAL ROAD INTERSECTING AT A 90° ANGLE. ALL SIGNAL HEAD LOCATIONS SHALL BE VERIFIED IN THE FIELD BY ACHD PRIOR TO DRILLING HOLES IN THE MAST ARM.
 3. SEE TS-1109.01 FOR STREET NAME SIGN INSTALLATION DETAILS. RIGHT EDGE OF SIGN SHOULD BE LOCATED AS CLOSE TO THE EDGE OF PAVEMENT AS FEASIBLE.
 4. FOR NEW SIGNALS OR SIGNIFICANT MODIFICATIONS TO EXISTING SIGNALS, FAR SIDE LEFT TURN SIGNALS SHOULD BE INSTALLED ON APPROACHES WITH POSTED SPEED LIMITS GREATER THAN 40 MPH. FAR SIDE LEFT TURN SIGNAL HEAD INSTALLATION MAY BE REQUIRED AT THE DISCRETION OF THE ACHD TRAFFIC ENGINEER AT SPEED LIMITS OF 40 MPH OR LESS.
 5. AN OPTIONAL TREATMENT FOR DUAL LEFT TURN SIGNAL HEAD PLACEMENT INCLUDES ONE HEAD INSTALLED ON THE MAST ARM AND ONE POLE MOUNTED HEAD ON THE FAR SIDE OF THE INTERSECTION. THIS CONFIGURATION SHOULD ONLY BE USED WHEN THE REQUIRED MAST ARM WOULD EXCEED 65' IN ORDER TO INSTALL TWO LEFT TURN HEADS WITHOUT EMPLOYING TUBULAR STRUCTURES.
 6. OTHER MAST ARM MOUNTED SIGNS MAY BE REQUIRED BASED ON SITE SPECIFIC CONDITIONS. SEE SIGNAL PLANS FOR DETAILS.
 7. RIGHT TURNS MAY BE EITHER SIGNED OR SIGNALIZED AT THE DISCRETION OF THE ACHD TRAFFIC ENGINEER.



Optional Signal Head Alignment
(SEE NOTE 5)



Three Section Arrow for Right Turn Lane
(SEE NOTE 7)

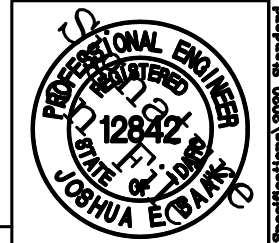
Dual Left Turn Lanes, Multiple Through Lanes and Right Turn Lane

NO.	DATE	BY	DESCRIPTION
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• SIGNATURES •	
Scale: NTS	Drawn By: Joshua Saak
Date: 12/22/2023	Design By: Joshua Saak
File: TS-1117.06.DWG	Approved By: Shawn Martin

• SHEET TITLE •	
Standard Traffic Signal Head Location Details – Multi-Lane Approach with Dual Left Turn Lanes	



• STANDARD DETAIL NO. •
TS-1117.06

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