

**RULE NO.: R161-22.02**

**NOTICE OF RULE ADOPTION**

**ADOPTION DATE:** March 23, 2022

By: Robert Spillar, Director

The Director of the Department of Austin Transportation has adopted the following rule. Notice of the proposed rule was posted on January 12, 2022. Public comment on the proposed rule was solicited in the January 12, 2022. This notice is issued under Chapter 1-2 of the City Code. The adoption of a rule may be appealed to the City Manager in accordance with Section 1-2-10 of the City Code as explained below.

A copy of the complete text of the adopted rule is attached to this notice.

**EFFECTIVE DATE OF ADOPTED RULE**

A rule adopted by this notice is effective on March 23, 2022.

**EXPLANATION OF ADOPTED RULE**

**R161-22.02 : Revisions to the Standards Manual**

- **Standard No. 830S-1: Foundation Details for Base Mounted Controller Cabinet.** Standard No. 830S-1, Sheets 1 of 2 and 2 of 2 have been revised to show four each of 4 inch PVC Conduits in the Controller Cabinet Foundation to be used for traffic signal wiring. Additional details and dimensions are provided to reduce confusion on how these foundations are to be constructed. This update is necessary to reflect current practices on traffic signals operated and maintained by the City of Austin.
- **New Standard No. 839S-6 Pedestrian and Vehicular Signal Installation Detail:** is being added to show typical wiring for various devices on a traffic signal pole, including the type of wire to run from the signal controller to the pole and the number of PVC conduit runs are to be installed going into the signal pole foundation.
- **New Standard No. 839S-7 Pedestrian and Vehicular Signal Installation Detail:** is being added to show the wiring color chart to be used when terminating the signal wiring to the terminal strip in the base of the signal pole.

**SUMMARY OF COMMENTS**

Written comments were received from the public regarding Rule R161-22.02 and are listed below. The Department of Transportation has reviewed the comments received and has incorporated the change.

- One public comment was received regarding proposed rule R161-22.02. The commenter, S. Araque, requested a change in formatting to the diagrams to accommodate 11 x 17 formatting. The adopted rule incorporates this comment by changing the paper size from 8.5 x 11 to 11 x 17. This change provides for better readability and remains consistent with City of Austin Public Works' standards.

## **AUTHORITY FOR ADOPTION OF RULE**

The authority and procedure for adoption of a rule to assist in the implementation, administration, or enforcement of a provision of the City Code is provided in Chapter 1-2 of the City Code. The authority to regulate the private use of public right-of-way and City-owned utility infrastructure is established in City Code Chapter 12-1-2 (Powers and Duties of Traffic Engineer).

## **APPEAL OF ADOPTED RULE TO CITY MANAGER**

A person may appeal the adoption of a rule to the City Manager. **AN APPEAL MUST BE FILED WITH THE CITY CLERK NOT LATER THAN THE 30TH DAY AFTER THE DATE THIS NOTICE OF RULE ADOPTION IS POSTED. THE POSTING DATE IS NOTED ON THE FIRST PAGE OF THIS NOTICE.** If the 30th day is a Saturday, Sunday, or official city holiday, an appeal may be filed on the next day which is not a Saturday, Sunday, or official city holiday.

An adopted rule may be appealed by filing a written statement with the City Clerk. A person who appeals a rule must (1) provide the person's name, mailing address, and telephone number; (2) identify the rule being appealed; and (3) include a statement of specific reasons why the rule should be modified or withdrawn.

Notice that an appeal was filed and will be posted by the city clerk. A copy of the appeal will be provided to the City Council. An adopted rule will not be enforced pending the City Manager's decision. The City Manager may affirm, modify, or withdraw an adopted rule. If the City Manager does not act on an appeal on or before the 60th day after the date the notice of rule adoption is posted, the rule is withdrawn. Notice of the City Manager's decision on an appeal will be posted by the city clerk and provided to the City Council.

On or before the 16th day after the city clerk posts notice of the City Manager's decision, the City Manager may reconsider the decision on an appeal. Not later than the 31st day after giving written notice of an intent to reconsider, the City manager shall make a decision.

## **CERTIFICATION BY CITY ATTORNEY**

By signing this Notice of Rule Adoption R161-22.02, the City Attorney certifies that the City Attorney has reviewed the rule and finds that adoption of the rule is a valid exercise of the Director's administrative authority.

## **REVIEWED AND APPROVED**

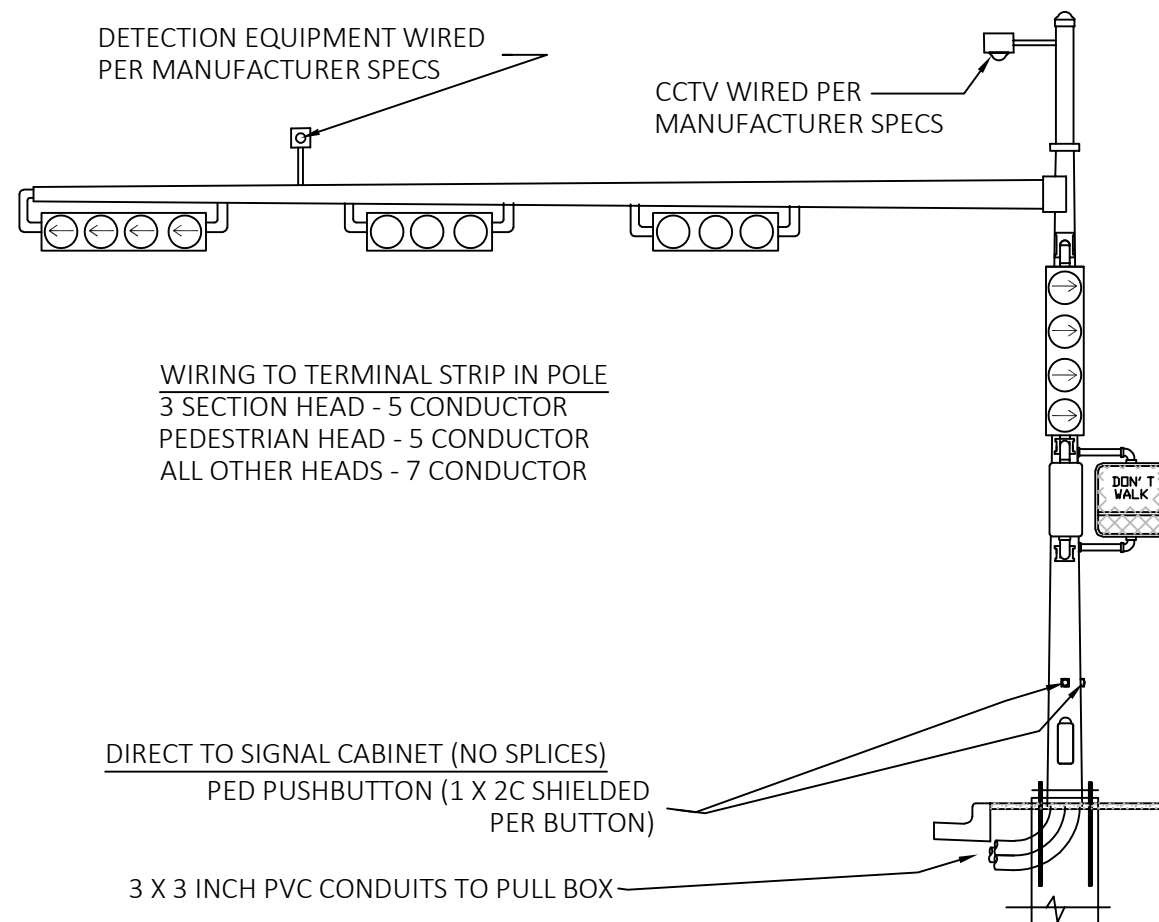
  
Robert Spillar *FOR R. SPILLAR*  
Director Austin Transportation Department

Date: 3/17/22

Deborah Thomas for  
Anne L. Morgan  
City Attorney

Date: 3/17/2022





Terminal #	Conductor Color	Signal Direction	Signal Colors	LEFT TURN HEADS			THRUS, RIGHTS, PEDS			
				PROT ONLY 3-SEC	FYA	5-SEC	THRU	RIGHT TURN FYA	Ped N/S	Ped E/W
				7C	7C	7C	5C	7C	5C	5C
1	Red/White	Thru	Red				Red			
2	Blue/White		Yellow				Black			
3	Green/White		Green				Green			
4	White	Neutral					White			
5	Red	Left Turns 3-Section, FYA / 5-Section	<-- R / R	Red	Red	Red				
6	Orange		<-- Y / Y	Black	Orange	Orange				
7	Black		FYA / <-- Y		Black	Black				
8	Blue		Spare / <-- G			Blue				
9	Green		<-- G / G	Green	Green	Green				
10	NEUTRAL JUMPER			White	White	White				
11	Red/Black	N/S Peds	Don't Walk						Red	
12	Green/Black		Walk						Green	
13	Black/White	E/W Peds	Don't Walk							Red
14	Blue/Black		Walk							Green
15	NEUTRAL JUMPER								White	White
16	Red/Green	Right Turn/ Nearside	Red							
17	Orange/Red		Yellow							
18	Blue/Red		Green							
19	NEUTRAL JUMPER									
20	White/Red	Spare / Right Turn FYA	R -->					Red		
21	Orange/Black		Y -->					Orange		
22	White/Black		FYA					Black		
23	Black/Red		G -->					Green		
24	NEUTRAL JUMPER							White		

NOTES: - CONTRACTOR SHALL LAND ALL CONDUCTORS FROM THE 20C CABLE TO THE LEFT SIDE OF TERMINAL STRIP  
- SPARE CONDUCTORS TO BE LEFT AS LONG AS THE LONGEST CONDUCTOR USED FOR THAT WIRE  
- BEFORE INSTALLING THE FINAL WIRING, MEET WITH THE CITY SIGNAL SUPERINTENDANT TO DISCUSS ANY FIELD CHANGES

#### SUMMARY

1 X 20 CONDUCTOR PER SIGNAL STANDARD - RUN FROM SIGNAL CABINET TO TERMINAL STRIP (SEE WIRING COLOR CODES ON DETAIL)

1 X 2CS (12 AWG IMSA-50-2) PER PED PUSH BUTTON TO SIGNAL CABINET (NO SPLICES)

PLACE HIGH VOLTAGE CABLES IN SEPARATE CONDUITS FROM LOW VOLTAGE WHEN POSSIBLE

WIRING TO SUPPLEMENTAL DEVICES PER MANUFACTURE RQMTS - IF UNKNOWN, RUN DIRECTLY TO SIGNAL CABINET (NO SPLICES)

DETAILED ELEVATION SHEETS MUST BE PROVIDED FOR EACH POLE IN THE DESIGN

VERIFY DETECTION EQUIPMENT LOCATION(S) WITH THE CITY PRIOR TO INSTALLATION

SEE TABLE FOR WIRE TERMINAL ASSIGNMENTS IN THE CABINET AND IN THE POLE BASE

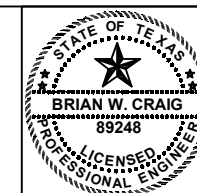
RECORD COPY ON FILE WITH THE DEPARTMENT OF PUBLIC WORKS



CITY OF AUSTIN  
TRANSPORTATION DEPARTMENT  
PO BOX 1088  
AUSTIN, TEXAS 78701

APPROVED: 03/23/2022 SHEET 1 OF 1

BY: *Brian W. Craig*



STANDARD 839S-6  
PEDESTRIAN AND  
VEHICULAR SIGNAL WIRING

UPDATED - 10/25/21

Terminal #	Conductor Color	Signal Direction	Signal Colors	SINGLE MAST ARM WIRING							
				LEFT TURNS			THRUS (3 SECTION)	RIGHT TURNS (FYA)	NEARSIDE (3 SECTION)	Ped P1 N/S	Ped P2 E/W
							7C			5C	7C
Head ID Numbers (As Shown on Plans)											
1	Red/White	Thru	Red				Red				
2	Blue/White		Yellow				Black				
3	Green/White		Green				Green				
4	White	Neutral					White				
5	Red	Left Turns FYA	<-- R	Red	Red	Red					
6	Orange		<-- Y	Orange	Yellow	Orange					
7	Black		FYA	Black	<-- Y	Black					
8	Blue		Spare		<-- G	Blue					
9	Green		<-- G	Green	Green	Green					
10	NEUTRAL JUMPER			White							
11	Red/Black	N/S Peds	Don't Walk							Red	
12	Green/Black		Walk							Green	
13	Black/White	E/W Peds	Don't Walk								Red
14	Blue/Black		Walk								Green
15	NEUTRAL JUMPER									White	White
16	Red/Green	Nearside	Red						Red		
17	Orange/Red		Yellow						Black		
18	Blue/Red		Green						Green		
19	NEUTRAL JUMPER								White		
20	White/Red	Spare / Right Turn FYA	R -->					Red			
21	Orange/Black		Y -->					Orange			
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23	Black/Red		G -->					Green			
24	NEUTRAL JUMPER							White			

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