



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytx.gov

- Right of Way Permit
- Commercial Driveway Permit

Permit No: 2017-11398

Applicant: PS Light Wave, Inc

Job Location Site: Falcon Landing Boulevard, Katy, TX 77494

Bond No. **Date of Bond:** 12/13/2016 **Amount:** \$50,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistant with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 7th day of February, 2017, Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

Presented to Commissioners Court and approved.

By: Charles O. Ay
for County Engineer

Date Recorded 2-14-17 Comm. Court No. 155

Clerk of Commissioners Court

By: N/A
Drainage District Engineer/Manager

By: Roxana Wilho
Deputy



**PERMIT APPLICATION REVIEW FORM FOR
CABLE, CONDUIT, AND POLE LINE ACTIVITY
IN FORT BEND COUNTY**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
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- Right of Way Permit
 Commercial Driveway Permit

Permit No: 2017-11398

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

(1) COMPLETE APPLICATION FORM:

- a. Name of road, street, and/or drainage ditch affected.
 b. Vicinity map showing course of directions
 c. Plans and specifications

(2) BOND:

- County Attorney, approval when applicable.
- Perpetual bond currently posted. Bond No: [REDACTED] Amount: \$50,000.00
- Performance bond submitted. Bond No: _____ Amount: _____
- Cashier's Check Check No: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

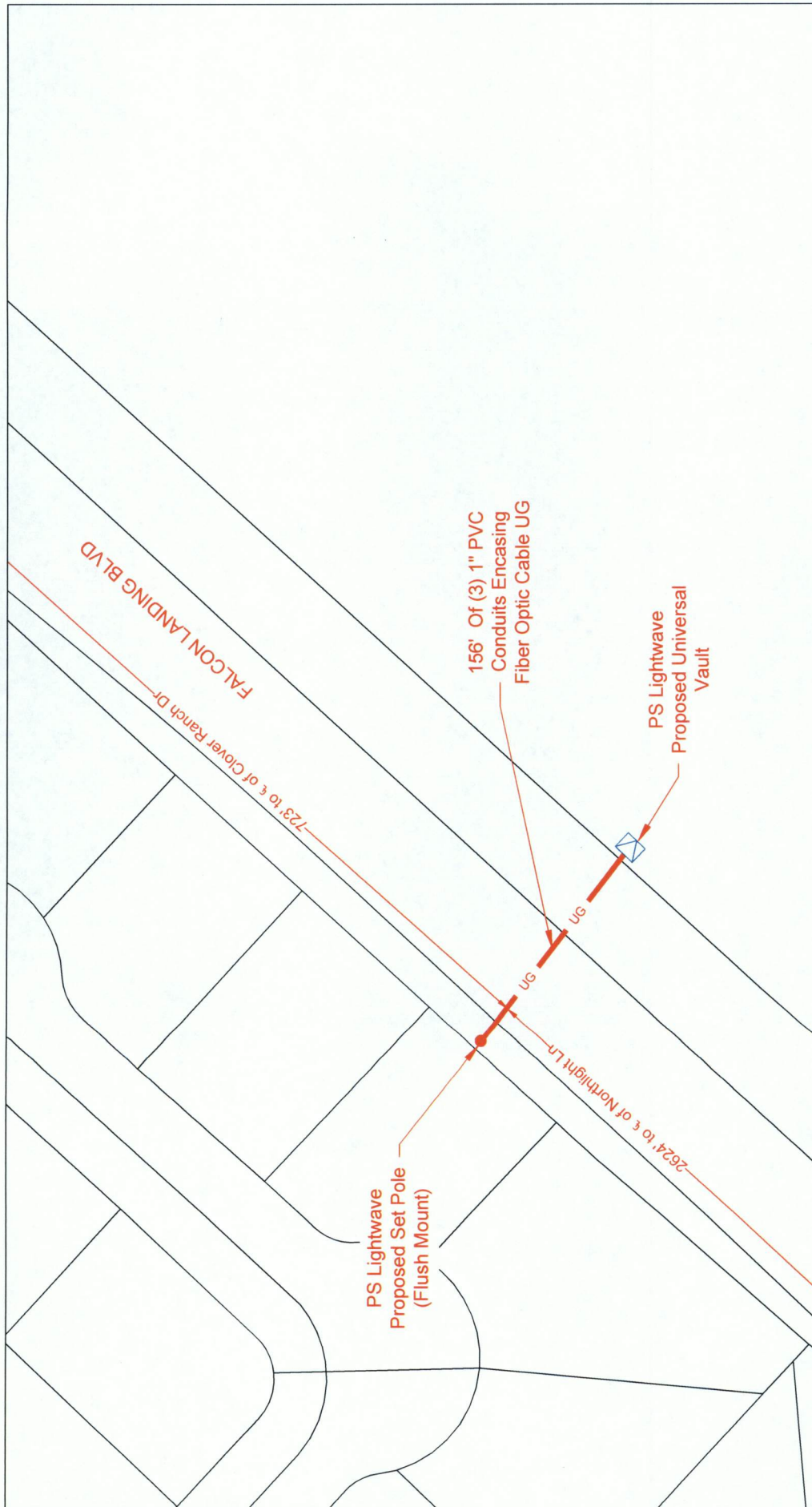
We have reviewed this project and agree it meets minimum requirements.

Charley O. Ayl

Permit Administrator

11/31/17

Date



CUSTOMER ID: JOB# 1216-480 PLW

CUSTOMER: Notice of Proposed Utility Installation

ADDRESS: Falcon Landing Blvd between Northlight Ln and Clover Ranch Dr

CITY/ZIP: Katy, TX 77494

COUNTY: Fort Bend

TENANTS: # OF FLOORS: DWG#:

WO#: 89959

JOB#: 1216-480

DRAWN BY: GC

DATE: 12/30/16

APPROVED BY:

DATE: Rev#1 Date

DATE: Rev#2 Date

DATE: Rev#3 Date

DATE: Rev#4 Date

SCALE: 1"=40'

PAGE: 1 OF: 3

LEGEND

— UG	3(1") HDPE W/ FIBER OPTIC CABLE	— PROPOSED CONDUIT	● PSLW SET POLE
- - - UG	3(1.25") HDPE W/ FIBER OPTIC CABLE	- - - EXISTING CONDUIT	● PSLW EXISTING POLE
— UG	1(2") HDPE W/ FIBER OPTIC CABLE	- - - EMT	● EXISTING UTILITY POLE
- - - UG	1(4") HDPE W/ 3(1.25") HDPE	— R/W	▣ PROPOSED PSLW VAULT (24"x36"x24")
— AIR	FLEX INNERDUCT (INSIDE)	— EOP	▣ EXISTING VAULT
- - - CAT5	AERIAL FIBER OPTIC CABLE	— EDGE-OF-PAVEMENT	▣ PULLBOX
	CAT5	— FENCE	★ MDF LOCATION



PS Lightwave
Proposed Set Pole
(Flush Mount)

156' Of (3) 1" PVC
Conduits Encasing
Fiber Optic Cable UG

PS Lightwave
Proposed Universal
Vault

LEGEND	
UG	3(1") HDPE W/ FIBER OPTIC CABLE
UG	3(1.25") HDPE W/ FIBER OPTIC CABLE
UG	1(2") HDPE W/ FIBER OPTIC CABLE
UG	1(4") HDPE W/ 3(1.25") HDPE
---	FLEX INNERDUCT (INSIDE)
AIR	AERIAL FIBER OPTIC CABLE
CAT5	CAT5 CABLE
---	PROPOSED CONDUIT
---	EXISTING CONDUIT
---	EMT 1.25" EMT
R/W	RIGHT-OF-WAY
---	EDGE-OF-PAVEMENT
---	FENCE
---	RACK LOCATION
●	PSLW SET POLE
●	PSLW EXISTING POLE
●	EXISTING UTILITY POLE
□	PROPOSED PSLW VAULT (24"x36"x24")
□	EXISTING VAULT
□	PULLBOX
★	MDF LOCATION

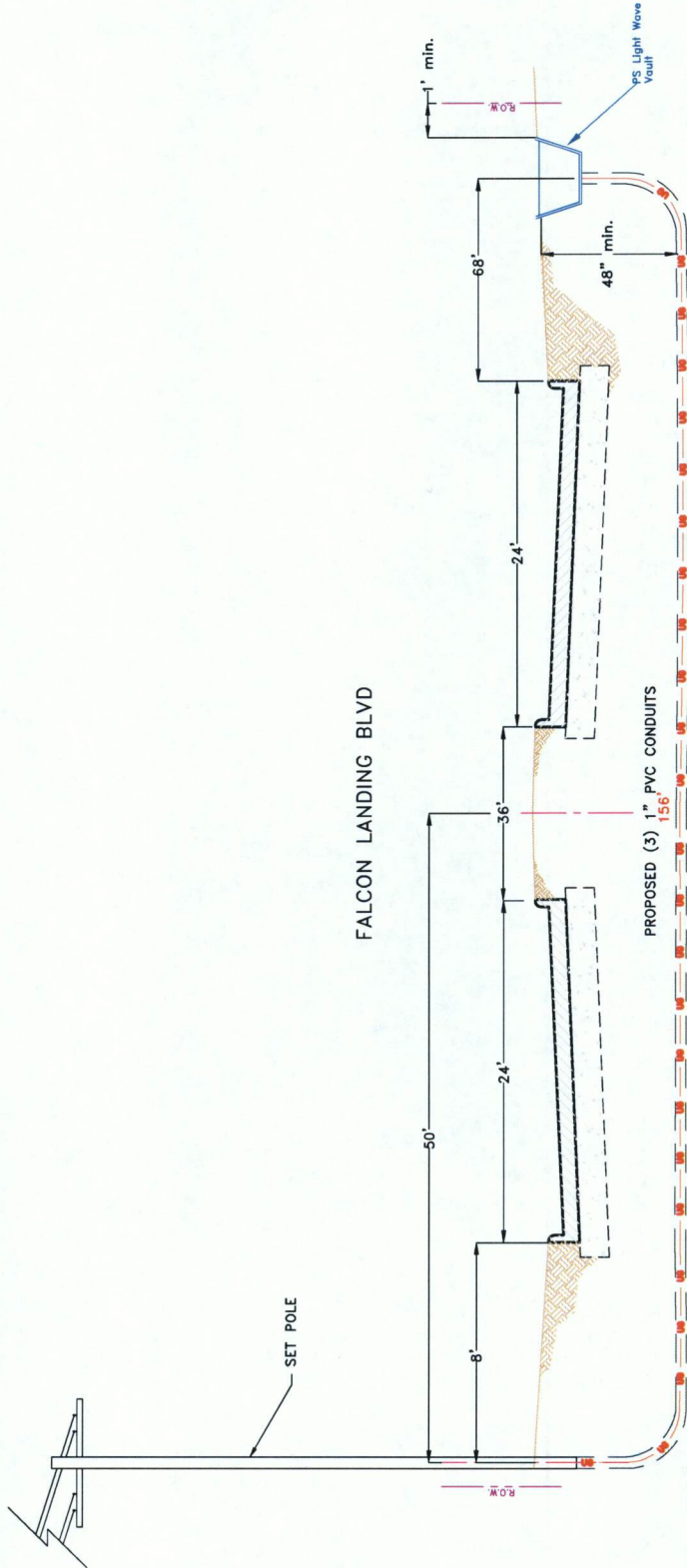
SCALE: 1"=40'	DATE: Rev#1 Date	DATE: Rev#1 Date	DATE: Rev#1 Date	DATE: Rev#1 Date
PAGE: 2	REVISION#1: Rev#1	REVISION#2: Rev#2	REVISION#3: Rev#3	REVISION#4: Rev#4
OF: 3				

CUSTOMER ID:	JOB # 1216-480 PLW
CUSTOMER:	Notice of Proposed Utility Installation
ADDRESS:	Falcon Landing Blvd between Northlight Ln and Clover Ranch Dr
CITY/ZIP:	Katy, TX 77494
TENANTS:	
WOF#	88999
# OF FLOORS:	
JOB#	1216-480
DRAWN BY:	GC
DATE:	12/30/16

LIGHTWAVE
PROPRIETARY INFORMATION - PROPERTY OF LIGHTWAVE

General Notes:

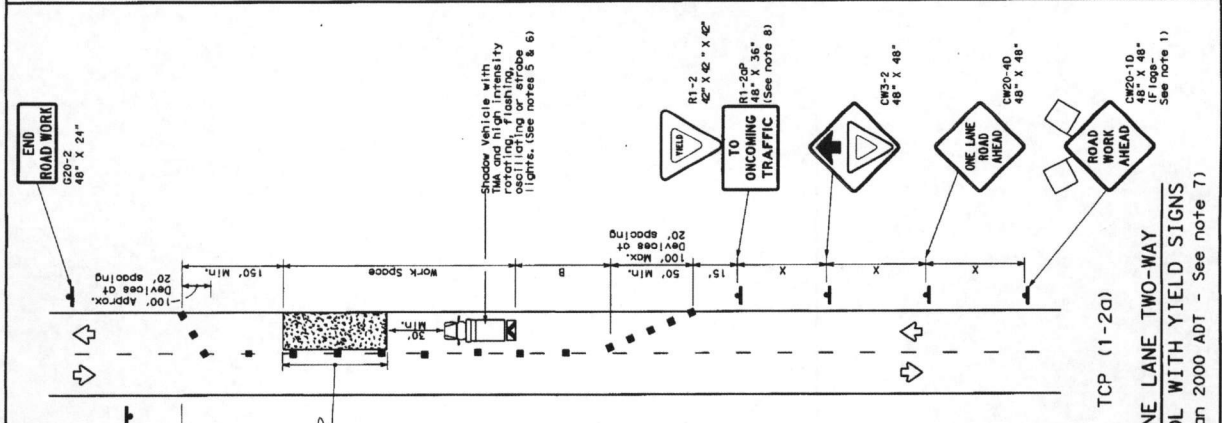
- 1) Surface to be restored to its original condition in compliance with Fort Bend County Standards.
- 2) Contractors shall provide and install traffic control devices in conformance with part VI of Texas manual on Uniform Traffic Control Devices (TMUTCD--Latest Edition with Revisions) during construction.
- 3) No Lanes shall be blocked 7am-9am and 4pm-6:30pm Monday thru Friday.



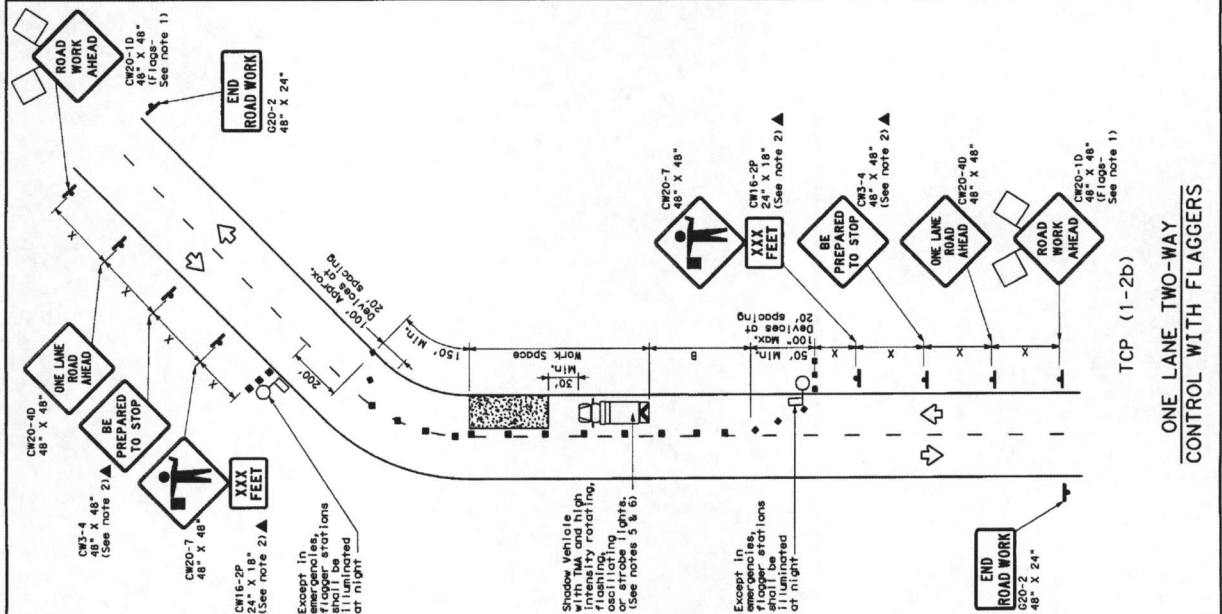
		Job# 1216-480 PLW	
Description: Notice of Proposed Utility Installation			
ADDRESS: Falcon Landing Blvd between Northlight Ln and Clover Ranch Dr			
CITY/ZIP: Katy, TX 77494		COUNTY: Fort Bend	
REVISION#1:	DATE:	# OF FLOORS:	DWG#:
REVISION#2:	DATE:	# OF FLOORS:	DRAWN BY:
REVISION#3:	DATE:	# OF FLOORS:	DATE:
REVISION#4:	DATE:	# OF FLOORS:	DATE:
SCALE: N.T.S.	PAGE: 3	OF: 3	DATE:

PSLW SET POLE	PROPOSED CONDUIT	3(1") HOPE W/ FIBER OPTIC CABLE
EXISTING SET POLE	EXISTING CONDUIT	3(1.25") HOPE W/ FIBER OPTIC CABLE
EXISTING UTILITY POLE	1.25" EMT	1(2") HOPE W/ FIBER OPTIC CABLE
PROPOSED PSLW VAULT (24"x36"x24")	8"/W	1(4") HOPE W/ 3(1.25")HOPE
EXISTING VAULT	EDGE-OF-PAVEMENT	FLEX INNERDUCT (INSIDE)
PULLBOX	FENCE	AERIAL FIBER OPTIC CABLE
MDF LOCATION	RACK LOCATION	CAT5 CABLE

DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. No warranty of any kind is made by TCEQ for any purpose whatsoever. TCEQ shall not be liable for any damages resulting from the use of this standard.



TCP (1-2a)
ONE LANE TWO-WAY
CONTROL WITH YIELD SIGNS
(Less than 2000 ADT - See note 7)



TCP (1-2b)
ONE LANE TWO-WAY
CONTROL WITH FLAGGERS

Postage	Minimum Spacing of Signs	Suggested Maximum Spacing of Signs	Minimum Spacing of Signs	Suggested Maximum Spacing of Signs	Stopping Sight Distance
30	10'	11'	12'	60'	200'
35	15'	165'	180'	35'	250'
40	205'	225'	245'	70'	300'
45	285'	295'	320'	40'	350'
50	450'	495'	540'	45'	400'
55	500'	590'	660'	50'	425'
60	550'	605'	660'	55'	450'
65	600'	660'	720'	60'	475'
70	700'	770'	840'	70'	500'
75	750'	825'	900'	75'	525'

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of taper (FT) S=Posted Speed(MPH)

TYPICAL USAGE		
MOBILE	SHORT TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓

GENERAL NOTES

- Flage attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the "r" triangle symbol may be omitted when stated elsewhere in the plans, or for routine use.
- The "BE PREPARED TO STOP" sign may be installed after the "ROAD WORK AHEAD" sign.
- Sign spacing may be increased or an additional "ROAD WORK AHEAD" sign may be used if adequate warning ahead of the flagger or "YIELD" sign is maintained.
- In absence of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices shall be used.
- Additional Shadow Vehicles with TMA may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2a)

- "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
- Flagger stations should be placed at 600 foot intervals and at a 7 foot minimum mounting height.

TCP (1-2b)

- Flagger should use the stop paddle or other methods of communication to control traffic.
- If the work space is located near a horizontal or vertical curve, the buffer distance should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
- Flagger stations should be placed at 600 foot intervals and at a 7 foot minimum mounting height. Flagger stations should use 24" STOP/SLOW paddles to control traffic. Flage should be limited to emergency situations.

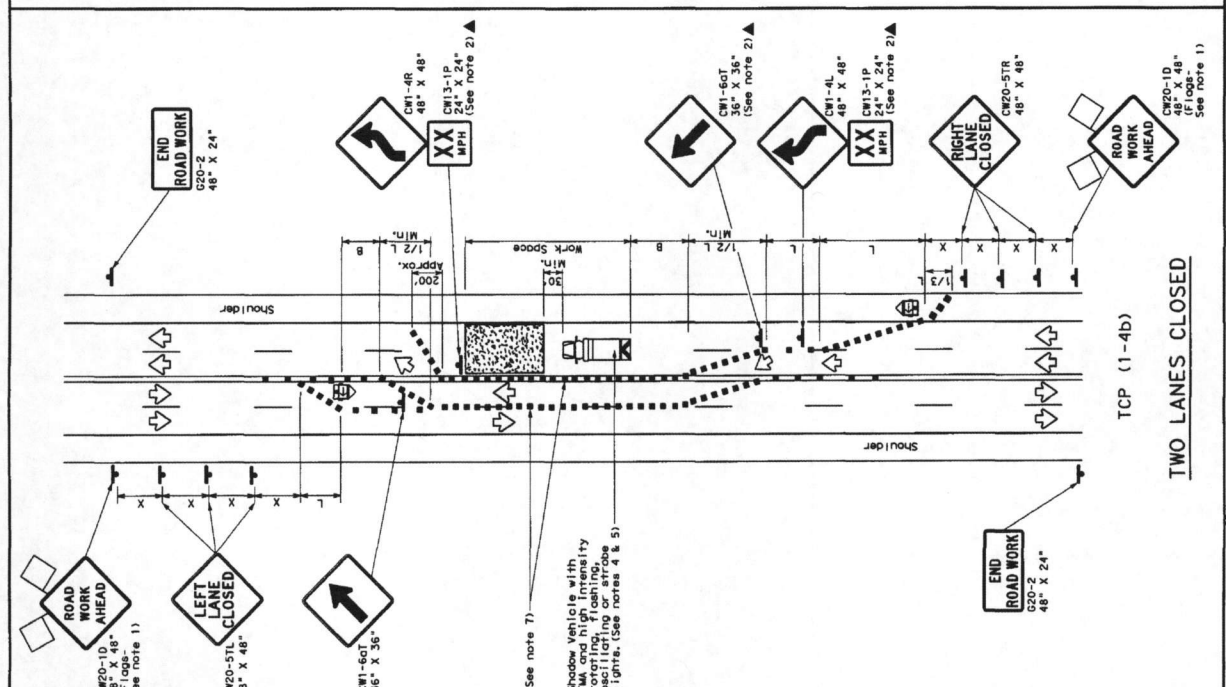
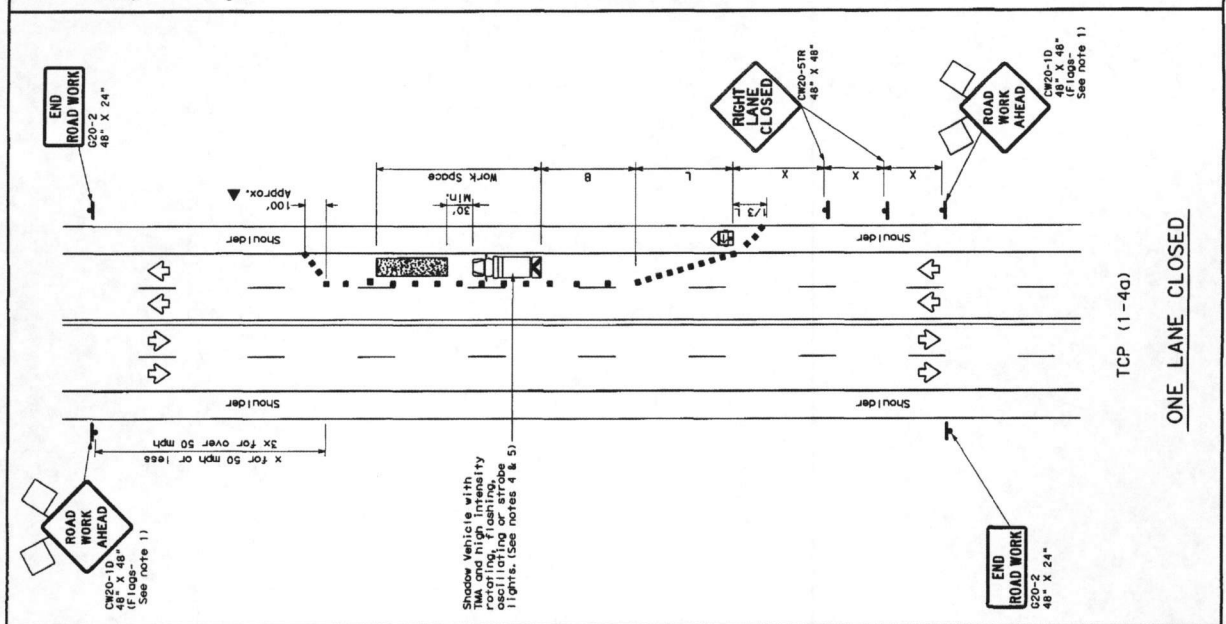
For construction or maintenance contract work, specific project or standard signs should be found in the project GENERAL NOTES. Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

TCP (1-2) -12

15007	December 1985	Jan 1990	Jan 1992	Jan 1995	Jan 1997
4-90	1-12	1-12	1-12	1-12	1-12
2-94	2-94	2-94	2-94	2-94	2-94
4-98	4-98	4-98	4-98	4-98	4-98



LEGEND

Channelizing Devices	Truck Mounted Attenuator (TMA)
Heavy Work Vehicle	Portable Changeable Message Sign (PCMS)
Trailer Mounted Flashing Arrow Board	Traffic Flow
Sign	Flag

Posted Speed	Formula	Minimum Sign Spacing	Suggested Maximum Channelizing Device Spacing	Minimum Sign Spacing	Suggested Longitudinal Buffer Spacing
30	$WS = 150' + 1.65' \times 30'$	30'	60'	120'	90'
35	$WS = 205' + 2.25' \times 35'$	35'	70'	160'	120'
40	$WS = 265' + 2.95' \times 40'$	40'	80'	240'	155'
45	$WS = 450' + 4.95' \times 45'$	45'	90'	320'	195'
50	$WS = 500' + 5.50' \times 50'$	50'	100'	400'	240'
55	$WS = 550' + 6.05' \times 55'$	55'	110'	500'	295'
60	$WS = 600' + 6.60' \times 60'$	60'	120'	600'	350'
65	$WS = 650' + 7.15' \times 65'$	65'	130'	700'	410'
70	$WS = 700' + 7.70' \times 70'$	70'	140'	800'	475'
75	$WS = 750' + 8.25' \times 75'$	75'	150'	900'	540'

* Conventional Roads Only
 * Length of Taper (FT) * Width of Offset (FT) * S-Posted Speed (MPH)
 * Taper lengths have been rounded off.

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓		

GENERAL NOTES

- Flare attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, when approved by the Engineer.
- The CW20-10 ROAD WORK AHEAD sign shall be placed at the beginning of the visibility of the work zone is less than 1500 feet.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting traffic flow. The shadow vehicle shall be equipped with flashing lights, but road or work conditions requiring the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMA may be positioned off the paved surface, next to those shown in order to protect other work spaces.

TCP (1-4a)

- If this TCP is used for a left lane closure, CW20-5L "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the traffic with the arrow panel placed in the closed lane near the end of the taper.

TCP (1-4b)

- Traffic is directed over a yellow centerline, channelizing devices shall be placed on the traffic with the arrow panel placed in the closed lane near the end of the taper.

If posted speeds are 35 mph or slower, and for tangent sections, at 1/2S where S is the speed in mph. This tighter device spacing is intended for the areas of conflicting markings, not the entire work zone.

Texas Department of Transportation
 Traffic Operations Division

TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE
CONVENTIONAL ROADS

TCP (1-4) -12

DATE	1-12	REVISED	1-85	DATE	1-12	REVISED	1-85
BY	1-87	BY	1-87	BY	1-87	BY	1-87
CHECKED	4-88	CHECKED	4-88	CHECKED	4-88	CHECKED	4-88