

**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

9B
**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: 2017-12254

Applicant: PS Light Wave, Inc

Job Location Site: Burney Road, Sugar Land , TX 77498

Bond No. 10160000 **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 inconsistent 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 2nd day of May, 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

By: Chandy O. Ay
for County Engineer

N/A
By: _____

Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Date Recorded 5/8/2017 Comm. Court No. 9B

Clerk of Commissioners Court

By: Ronda Wilber
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
Permits@fortbendcountytexas.gov

- ☒ Right of Way Permit
☐ Commercial Driveway Permit

Permit No: 2017-12254

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: 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

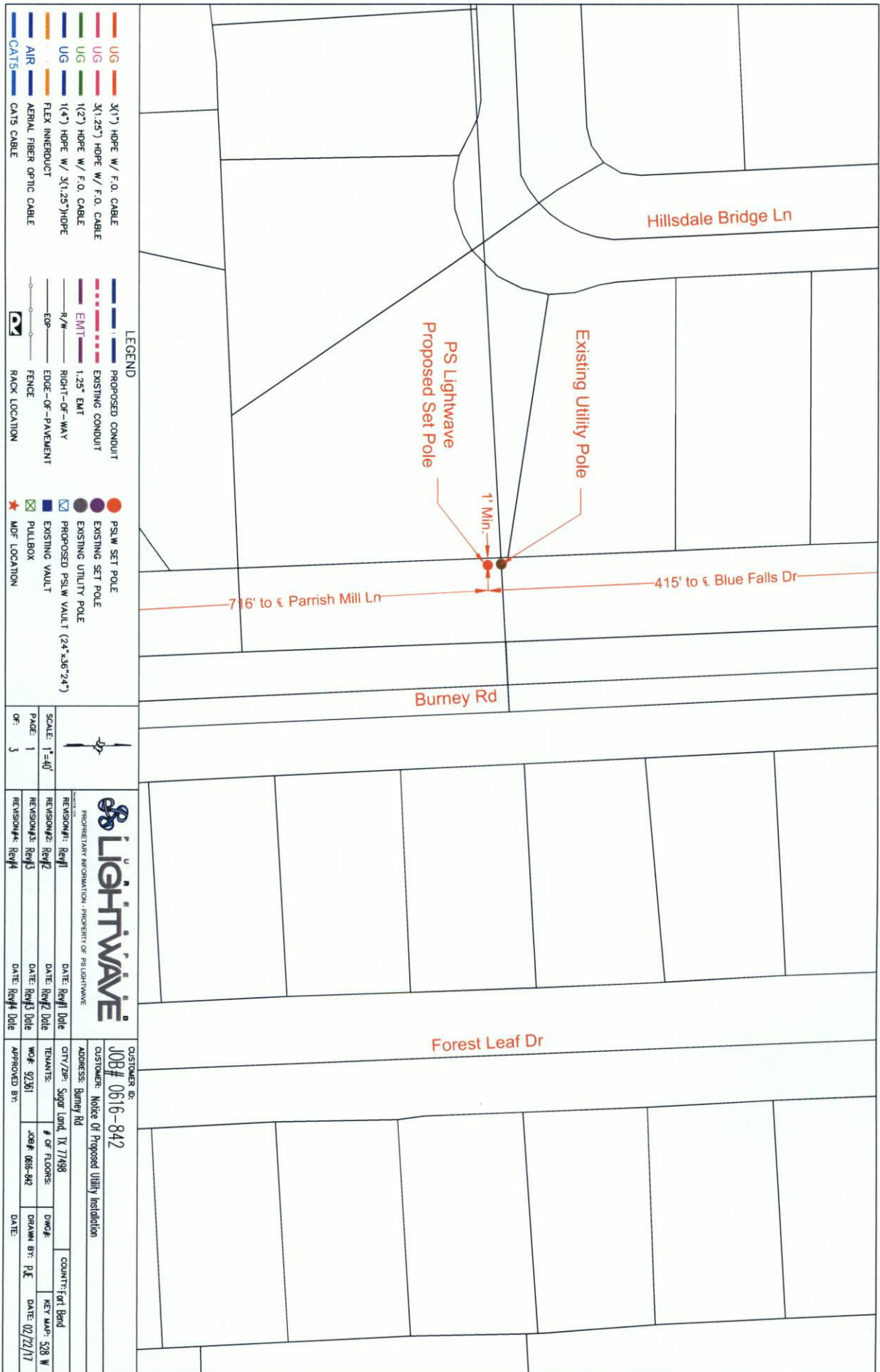
We have reviewed this project and agree it meets minimum requirements.

Charles O. Ay

Permit Administrator

4/24/17

Date





LEGEND

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

SCALE: 1"=10'

PAGE: 2

OF: 3

LIGHTWAVE

PROPRIETARY INFORMATION, PROPERTY OF PS LIGHTWAVE

REVISION#1: Rev#1	DATE: Rev#1 Date
REVISION#2: Rev#2	DATE: Rev#2 Date
REVISION#3: Rev#3	DATE: Rev#3 Date
REVISION#4: Rev#4	DATE: Rev#4 Date

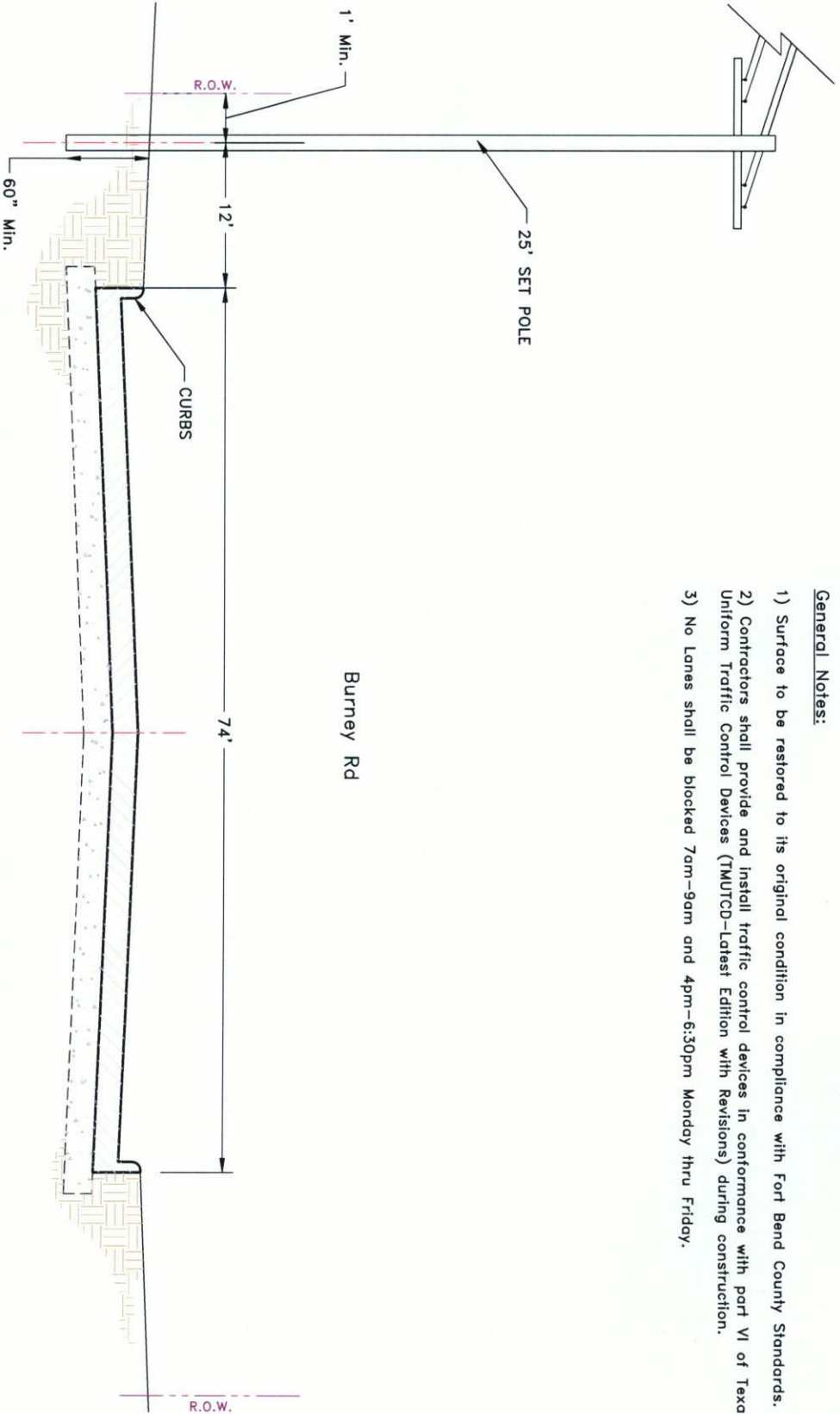
CUSTOMER ID: JOB# 0616-842

CUSTOMER: Notice Of Proposed Utility Installation

ADDRESS: Burney Rd	CITY/ZIP: Sugar Land, TX 77498	COUNTRY: Fort Bend
TELEPHONE: 92561	# OF FLOORS: 1	KEY MAP: 528 W
APPROVED BY: [Signature]	DATE: 02/22/17	DATE: 02/22/17

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.

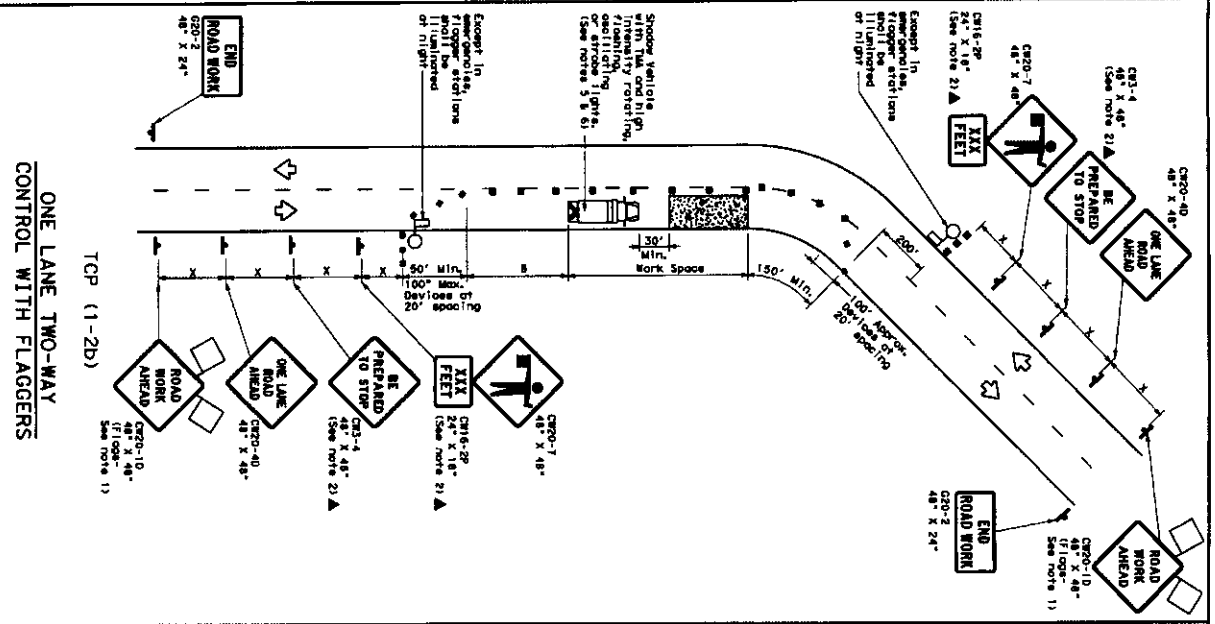
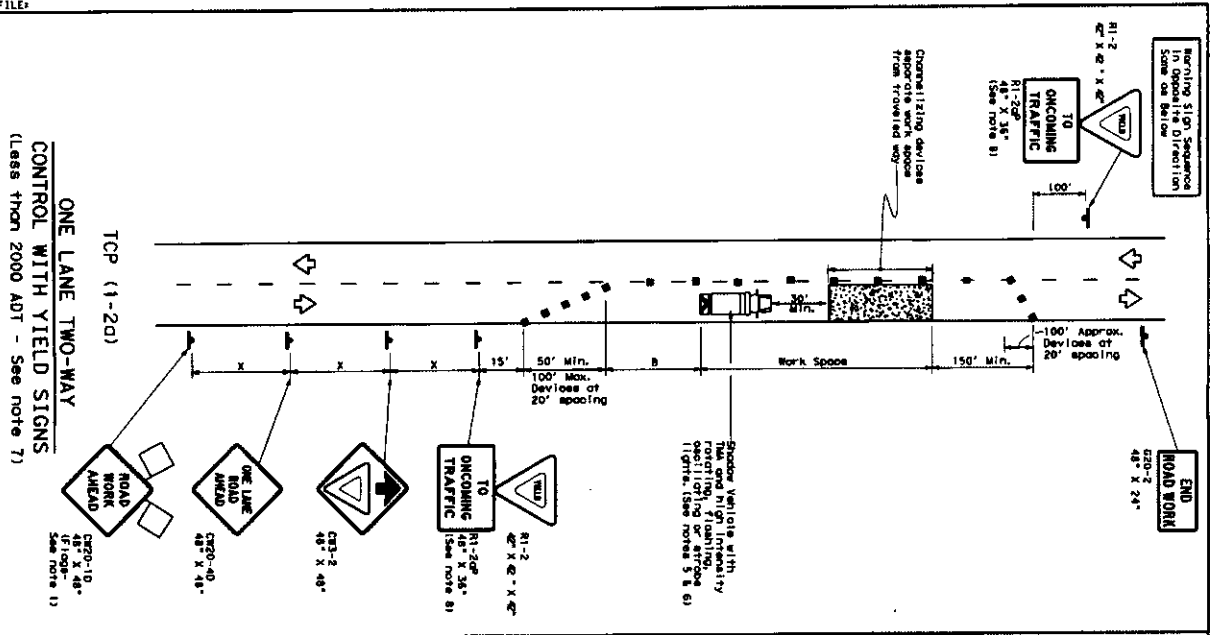


LEGEND

UG	3(1") PVC W/ F.O. CABLE	PROPOSED CONDUIT	PSLM SET POLE
UG	3(1.25") PVC W/ F.O. CABLE	EXISTING CONDUIT	EXISTING SET POLE
UG	1(2") PVC W/ F.O. CABLE	EMT 1.25" EMT	EXISTING UTILITY POLE
UG	1(4") HDPE W/ 3(1.25") PVC	R/W	PROPOSED PSLM VAULT (24"x36"x24")
UG	FLEX INNERDUCT	EDGE-OF-WAY	EXISTING VAULT
AIR	AERIAL FIBER OPTIC CABLE	EDGE-OF-PAVEMENT	PULLBOX
CAT5	CAT5 CABLE	FENCE	MDF LOCATION
		RACK LOCATION	

PROPERTY INFORMATION - PROPERTY OF LIGHTWAVE			
REVISION#1: Rev#1	DATE: Rev#1 Date	REVISION#2: Rev#2	DATE: Rev#2 Date
REVISION#3: Rev#3	DATE: Rev#3 Date	REVISION#4: Rev#4	DATE: Rev#4 Date
SCALE: N.T.S. PAGE: 3 OF: 3		JOB # 0616-842 Description: Notice of Proposed Utility Installation ADDRESS: Burney Rd CITY/ZIP: Sugar Land, TX 77498 COUNTY: Fort Bend WOF: 92361 JOB#: 0616-842 DRAWN BY: PE DATE: 02/22/17 APPROVED BY: DATE:	

DATE: FILE:



LEGEND

Symbol	Description	Symbol	Description
XXXXX	Type 3 Barricade	■	Channelizing Device
□	Heavy Work Vehicle	▲	Truck Mounted Attenuator (TMA)
▲	Trailer Mounted Attenuator (TMA)	▲	Portable Changeable Message Sign (PCMS)
▲	Flashing Arrow Board	▲	Message Sign (PCMS)
▲	Sign	▲	Traffic Flow
▲	Flag	▲	Flagger

GENERAL NOTES

1. Flaggery should be used on all projects with ADT less than 2000.
2. All traffic control devices (illuminated or non-illuminated) should be placed within the work zone and should be maintained throughout the project.
3. The C-45-4 "BE PREPARED TO STOP" sign may be used in lieu of the C-45-4 "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
4. Sign spacing may be increased or an additional C-45-4 "ONE LANE ROAD AHEAD" sign may be used in lieu of the C-45-4 "BE PREPARED TO STOP" sign, but proper sign spacing shall be maintained.
5. A shadow vehicle with a tail light should be used in the work zone to provide a visual cue to the trailing traffic. The shadow vehicle should be placed at the rear of the work zone and should be maintained throughout the project.
6. Additional shadow vehicles with tail lights may be placed off the paved section, next to those shown in order to protect other work zones.
7. "TYPED" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work zones should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work zones should be no longer than one mile. The "TYPED" sign should be placed on a support of a 7 foot minimum mounting height.
8. "TYPED" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work zones should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work zones should be no longer than one mile. The "TYPED" sign should be placed on a support of a 7 foot minimum mounting height.
9. Flaggery should use the proper method of communication to control traffic.
10. Length of work zones should be based on the ability of flaggers to communicate.
11. If the work zone 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 below).
12. The length of the work zone should be increased when a pilot car is leading traffic and approved by the Engineer.
13. Flaggers should use 24" STOP/GO paddles to control traffic. Flaggery should be limited to emergency situations.

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

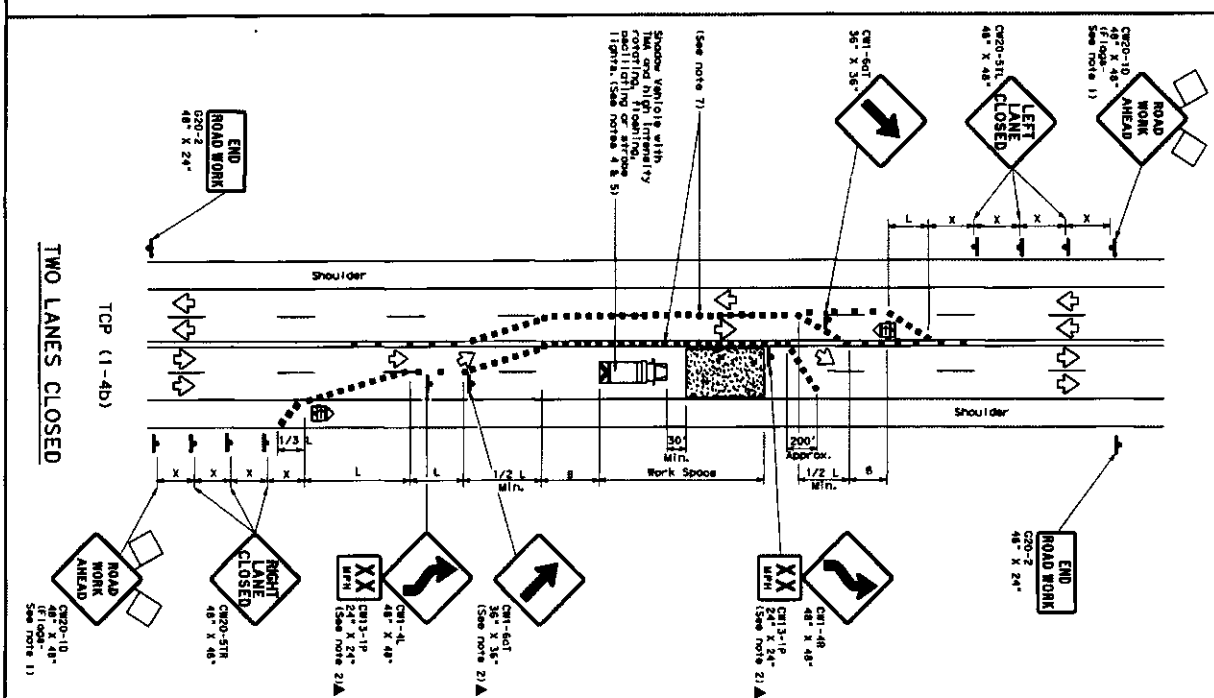
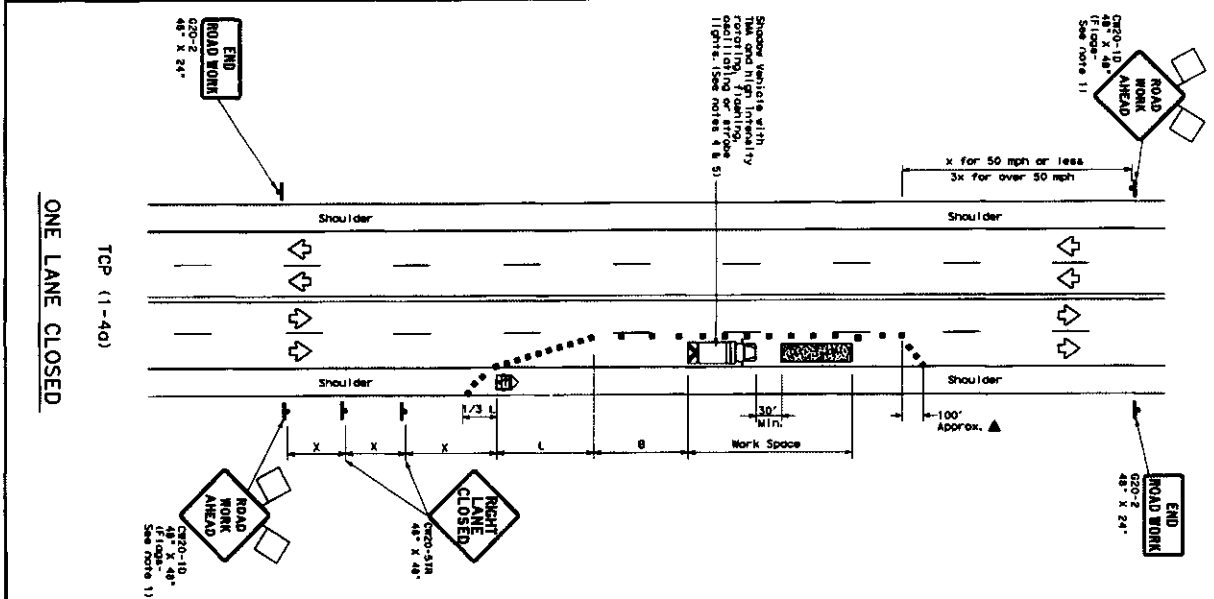
TCP (1-2)-12

For construction or maintenance projects, the traffic control plan should be found in the project file. For other projects, the traffic control plan should be found in the project file. For other projects, the traffic control plan should be found in the project file.

TYPICAL USAGE

ADT	SHORT TAPER STATION	INTERMEDIATE TAPER STATION	LONG TAPER STATION
0-20	1-12	1-12	1-12
21-40	1-12	1-12	1-12
41-60	1-12	1-12	1-12
61-80	1-12	1-12	1-12
81-100	1-12	1-12	1-12
101-120	1-12	1-12	1-12
121-140	1-12	1-12	1-12
141-160	1-12	1-12	1-12
161-180	1-12	1-12	1-12
181-200	1-12	1-12	1-12
201-220	1-12	1-12	1-12
221-240	1-12	1-12	1-12
241-260	1-12	1-12	1-12
261-280	1-12	1-12	1-12
281-300	1-12	1-12	1-12
301-320	1-12	1-12	1-12
321-340	1-12	1-12	1-12
341-360	1-12	1-12	1-12
361-380	1-12	1-12	1-12
381-400	1-12	1-12	1-12
401-420	1-12	1-12	1-12
421-440	1-12	1-12	1-12
441-460	1-12	1-12	1-12
461-480	1-12	1-12	1-12
481-500	1-12	1-12	1-12
501-520	1-12	1-12	1-12
521-540	1-12	1-12	1-12
541-560	1-12	1-12	1-12
561-580	1-12	1-12	1-12
581-600	1-12	1-12	1-12
601-620	1-12	1-12	1-12
621-640	1-12	1-12	1-12
641-660	1-12	1-12	1-12
661-680	1-12	1-12	1-12
681-700	1-12	1-12	1-12
701-720	1-12	1-12	1-12
721-740	1-12	1-12	1-12
741-760	1-12	1-12	1-12
761-780	1-12	1-12	1-12
781-800	1-12	1-12	1-12
801-820	1-12	1-12	1-12
821-840	1-12	1-12	1-12
841-860	1-12	1-12	1-12
861-880	1-12	1-12	1-12
881-900	1-12	1-12	1-12
901-920	1-12	1-12	1-12
921-940	1-12	1-12	1-12
941-960	1-12	1-12	1-12
961-980	1-12	1-12	1-12
981-1000	1-12	1-12	1-12

DATE: _____
FILE: _____



LEGEND	
	Type 3 Barricade
	Heavy Work Vehicle
	Tractor Mounted Flashing Arrow Board
	Sign
	Flow
	Channelizing Devices
	Truck Mounted Attenuator (TMA)
	Portable Dimensions Maximum Sign Width
	Traffic Flow
	Flow

Ported Shaped #	Formula	10" Diameter Taper Lengths	11" Diameter Taper Lengths	12" Diameter Taper Lengths	Suggested last line Scoring Distances	11" Diameter Taper Lengths	12" Diameter Taper Lengths	13" Diameter Taper Lengths	Suggested last line Scoring Distances
30	WS	150	165	180	30	60	60	120	90
35	WS	205	225	245	35	70	70	140	120
40	WS	265	285	310	40	80	80	160	155
45	WS	330	355	380	45	90	90	180	185
50	WS	400	430	460	50	100	100	200	240
55	WS	480	515	550	55	110	110	250	285
60	WS	560	600	640	60	120	120	300	350
65	WS	650	690	730	65	130	130	350	410
70	WS	750	795	840	70	140	140	400	475
75	WS	860	910	960	75	150	150	500	540

* Taper lengths have been rounded off.

L=Length of Taper (FT) W=Width of Offset (FT) S=Poised Speed (MPH)

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

GENERAL NOTES

- [illegible]

ICP (1-19)

6. If this Tip is used for a 1847 lane closure, a 320-331 L&E CLOSURE sign must be placed at the rear of the work space from opposing traffic to the other point placed in the closed lane and the end of the merging right-of-way.
7. When Traffic is directed over a yellow centerline, channelizing devices which require two-way flow should be spaced on lanes at 20' or 15' if posted speeds are 35 mph or slower, and per tangent sections, or 1/2S the length of the curve, if applicable. This tapered device spacing is intended for the case of channelizing machines, not the entire work zone.

TCP (1-4b)

- Texas Department of Transportation**
Traffic Operations Division

For construction or maintenance contractor work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Buried Pipes, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE
CONVENTIONAL ROADS

TCP(1-4)-12

① 12007 December 1995				
	no. TROU	1st TROU	no. TROU	1st TROU
2-94	1-12	CAST	CAST	no. TROU
8-95			JOE	no. TROU
1-97			CRADLE	no. TROU
4-98				no. TROU
5-4				no. TROU