

**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**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: 2018-18733

Applicant: PS Light Wave, Inc

Job Location Site: Gaston Road, Katy, TX 77036

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 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 3rd day of April, 2018, Upon Motion of Commissioner Muyers, seconded by Commissioner Morales, 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:

Rick J. Staigle, PE, PTOE
County Engineer

Date Recorded 4-5-2018 Comm. Court No. 12D

N/A

Clerk of Commissioners Court

By:

Drainage District Engineer/Manager

By:

Ronda Wallis
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: 2018-18733

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.

Rick J. Staigle, PE, PTOE
Permit Administrator

3/23/2018

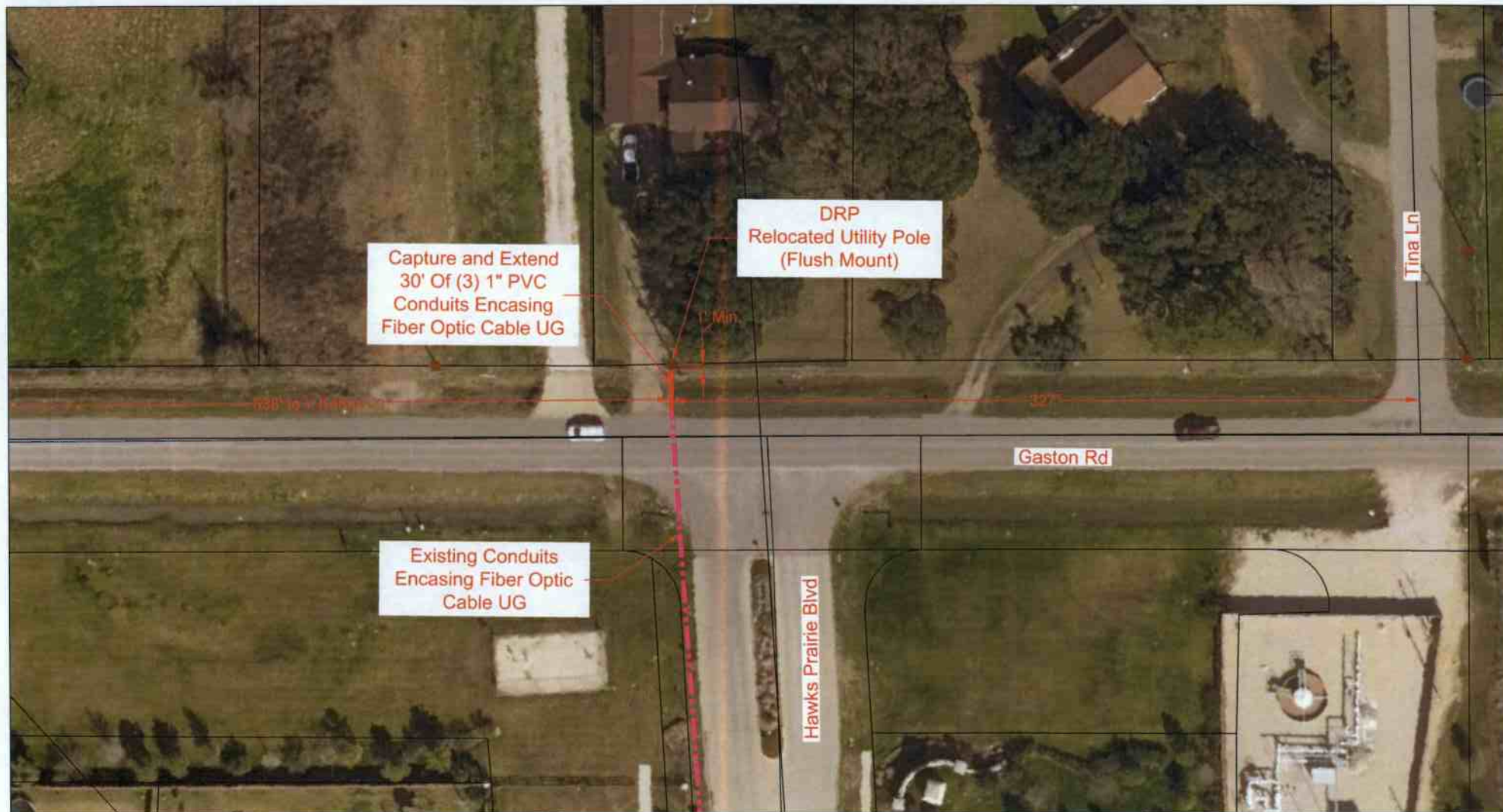
Date



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

		LIGHTWAVE PROPRIETARY INFORMATION - PROPERTY OF PS LIGHTWAVE			
		REVISION#1: PJE	DATE: 3/14/2018	CITY/ZIP: Katy TX 77494	COUNTY: Fort Bend
SCALE: 1"=70'	PAGE: 1	REVISION#2: Rev#2	DATE: Rev#2 Date	TEHNANTS:	# OF FLOORS:
OF: 3		REVISION#3: Rev#3	DATE: Rev#3 Date	WO#: 100908	JOB#: M0218-7834
		REVISION#4: Rev#4	DATE: Rev#4 Date	APPROVED BY:	DATE: 02/13/2018
					KEY MAP: 484 P

CUSTOMER ID:		JOB# M0218-7834			
CUSTOMER:		Notice Of Proposed Utility Installation			
ADDRESS:		Gaston Rd			
CITY/ZIP:		Katy TX 77494		COUNTY: Fort Bend	
TEHNANTS:		# OF FLOORS:		DWG#: 484 P	
WO#: 100908		JOB#: M0218-7834		DRAWN BY: PJE	
APPROVED BY:		DATE:		DATE: 02/13/2018	



LEGEND			
UG	3(1") HDPE W/ F.O. CABLE	PROPOSED CONDUIT	PSLW SET POLE
UG	3(1.25") HDPE W/ F.O. CABLE	EXISTING CONDUIT	EXISTING SET POLE
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	FLEX INNERDUCT	R/W	EXISTING VAULT
AIR	AERIAL FIBER OPTIC CABLE	EOP	PULLBOX
CAT5	CAT5 CABLE	FENCE	MDF LOCATION
		RACK LOCATION	

LIGHTWAVE

PROPRIETARY INFORMATION - PROPERTY OF PS LIGHTWAVE

REVISION#1: PJE	DATE: 3/14/2018
REVISION#2: Rev2	DATE: Rev2 Date
REVISION#3: Rev3	DATE: Rev3 Date
REVISION#4: Rev4	DATE: Rev4 Date

SCALE: 1"=70'

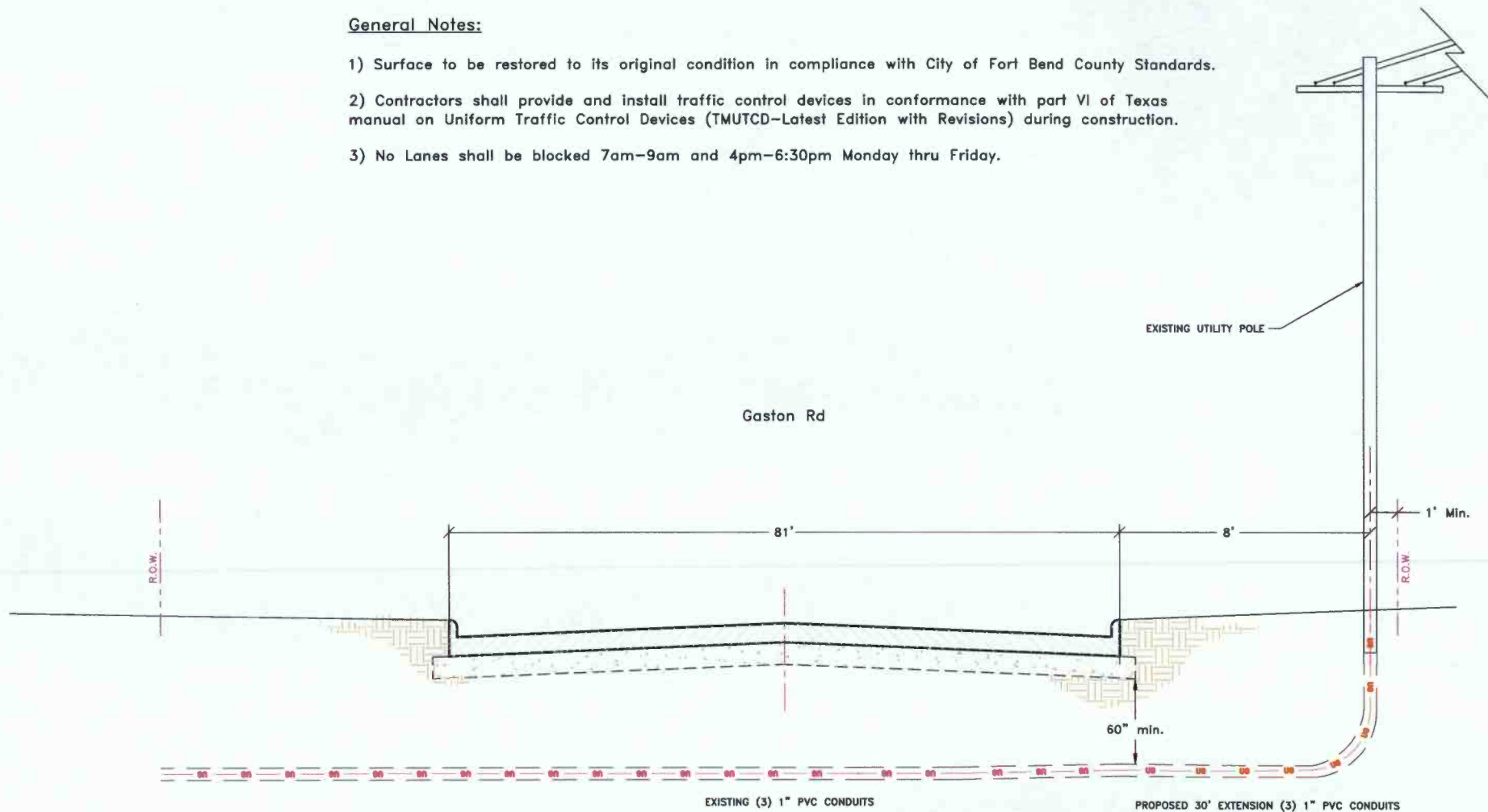
PAGE: 2

OF: 3

CUSTOMER ID: JOB# M0218-7834	
CUSTOMER: Notice Of Proposed Utility Installation	
ADDRESS: Gaston Rd	
CITY/ZIP: Katy TX 77494	COUNTY: Fort Bend
TENANTS:	# OF FLOORS:
WO# 100908	JOB# M0218-7834
APPROVED BY:	DATE:

General Notes:

- 1) Surface to be restored to its original condition in compliance with City of 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.

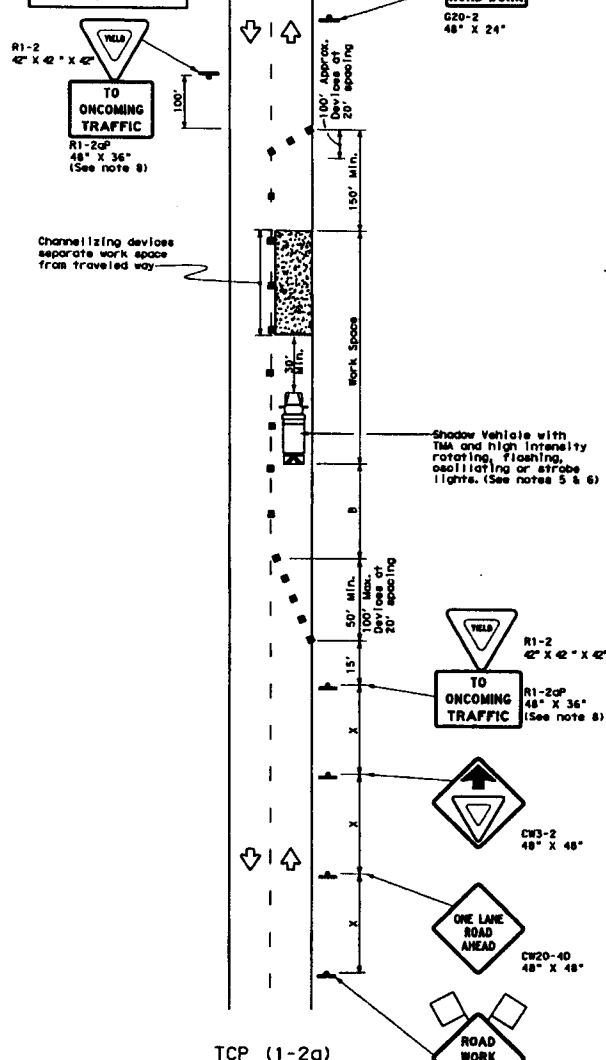


LEGEND				Job# M0218-7834	
UG 3(1") PVC W/ F.O. CABLE UG 3(1.25") PVC W/ F.O. CABLE UG 1(2") PVC W/ F.O. CABLE UG 1(4") HDPE W/ 3(1.25")PVC AIR AERIAL FIBER OPTIC CABLE CATS CATS CABLE	PROPOSED CONDUIT EXISTING CONDUIT 1.25" EMT R/W RIGHT-OF-WAY EOP EDGE-OF-PAVEMENT FENCE RACK LOCATION	PSLW SET POLE EXISTING SET POLE EXISTING UTILITY POLE PROPOSED PSLW VAULT (24"x36"x24") EXISTING VAULT PULLBOX MDF LOCATION	SCALE: N.T.S. PAGE: 3 OF: 3	REVISION#1: PJE REVISION#2: Rev2 REVISION#3: Rev3 REVISION#4: Rev4	DATE: 3/14/2018 DATE: Rev2 Date DATE: Rev3 Date DATE: Rev4 Date
DESCRIPTION: Notice Of Proposed Utility Installation ADDRESS: Gaston Rd CITY/ZIP: Katy TX 77494 COUNTY: Fort Bend		TENANTS: WO#: 100908 APPROVED BY:		# OF FLOORS: JOB#: M0218-7834 DRAWN BY: PJE DATE: 02/13/2018	
KEY MAP: 484 P		DWG#:		DATE:	

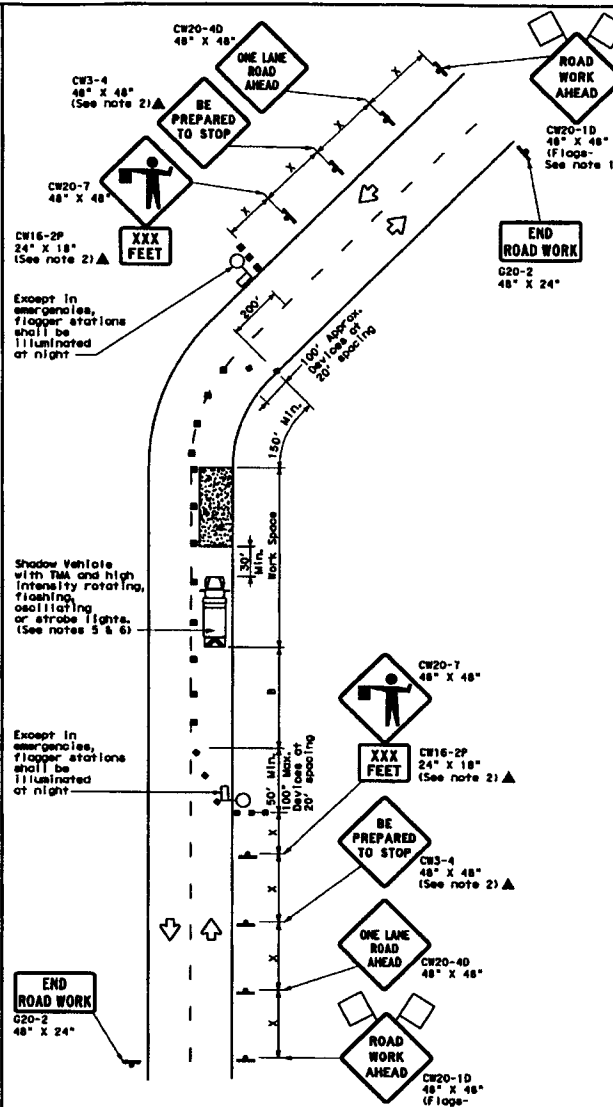
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the consequences of this standard to other persons or for incorrect results or damages resulting from its use.

DATE: 11/15/11

Warning Sign Sequence in Opposite Direction Same as Below



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



ONE LANE TWO-WAY
CONTROL WITH FLAGGERS

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed #	Formula	Minimum Barricade Taper Lengths ft	10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices	Minimum Sign Spacing ft	Suggested Longitudinal Buffer Space ft	Stopping Sign Distance ft
30	L=WS	150'	165'	180'	30'	60'	120'	90'	200'
35	L=WS	205'	225'	245'	35'	70'	160'	120'	250'
40	L=WS	265'	295'	320'	40'	80'	240'	155'	305'
45	L=WS	450'	495'	540'	45'	90'	320'	195'	360'
50	L=WS	500'	550'	600'	50'	100'	400'	240'	425'
55	L=WS	550'	605'	660'	55'	110'	500'	295'	495'
60	L=WS	600'	660'	720'	60'	120'	600'	350'	570'
65	L=WS	650'	715'	780'	65'	130'	700'	410'	645'
70	L=WS	700'	770'	840'	70'	140'	800'	475'	730'
75	L=WS	750'	825'	900'	75'	150'	900'	540'	820'

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper (ft) W=Width of Offset (ft) S=Posted Speed (MPH)

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

GENERAL NOTES

- Flags 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, or for routine maintenance work, when approved by the Engineer.
 - The CW20-40 "BE PREPARED TO STOP" sign may be installed after the CW20-40 "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
 - Sign spacing may be increased on an additional CW20-10 "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger or R1-2 "YIELD" sign 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 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 may be substituted for the Shadow Vehicle and TMA.
 - Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- TCP (1-2a)**
- R1-2 "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.
 - R1-2 "YIELD" sign with R1-2aP "TO ONCOMING TRAFFIC" plaque shall be placed on a support at a 7 foot minimum mounting height.
- TCP (1-2b)**
- Flaggers should use two-way radios or other methods of communication to control traffic.
 - Length of work space should be based on the ability of flaggers to communicate.
 - 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).
 - Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
 - Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

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

Texas Department of Transportation
Traffic Operations Division

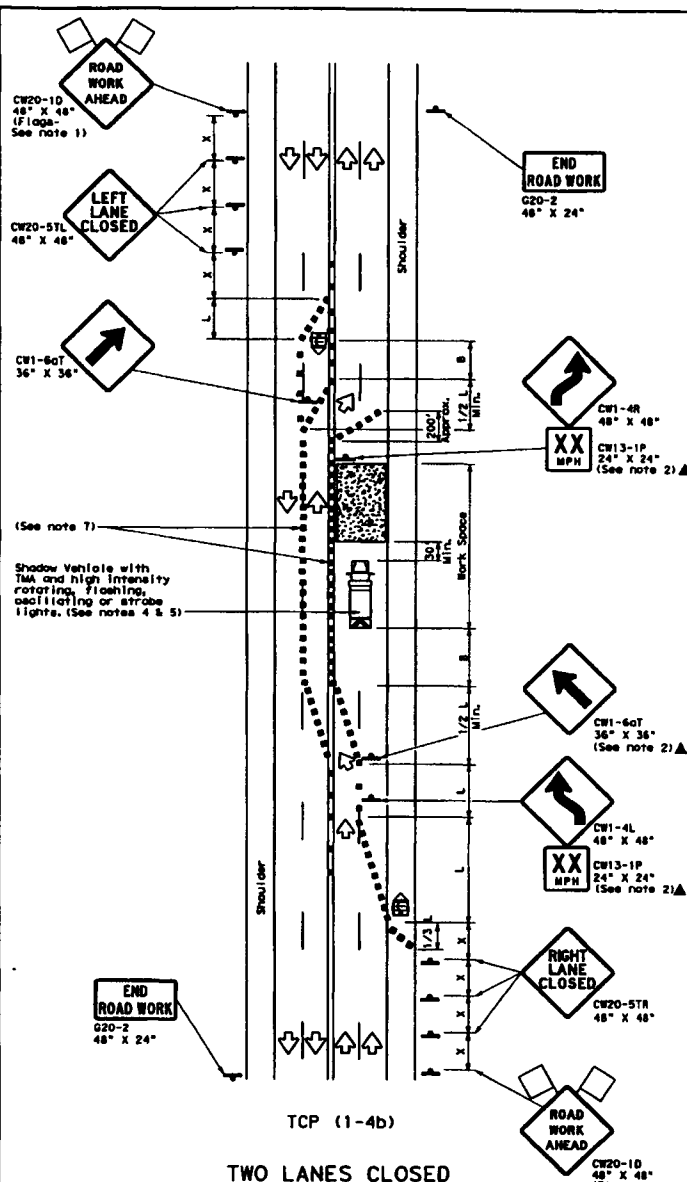
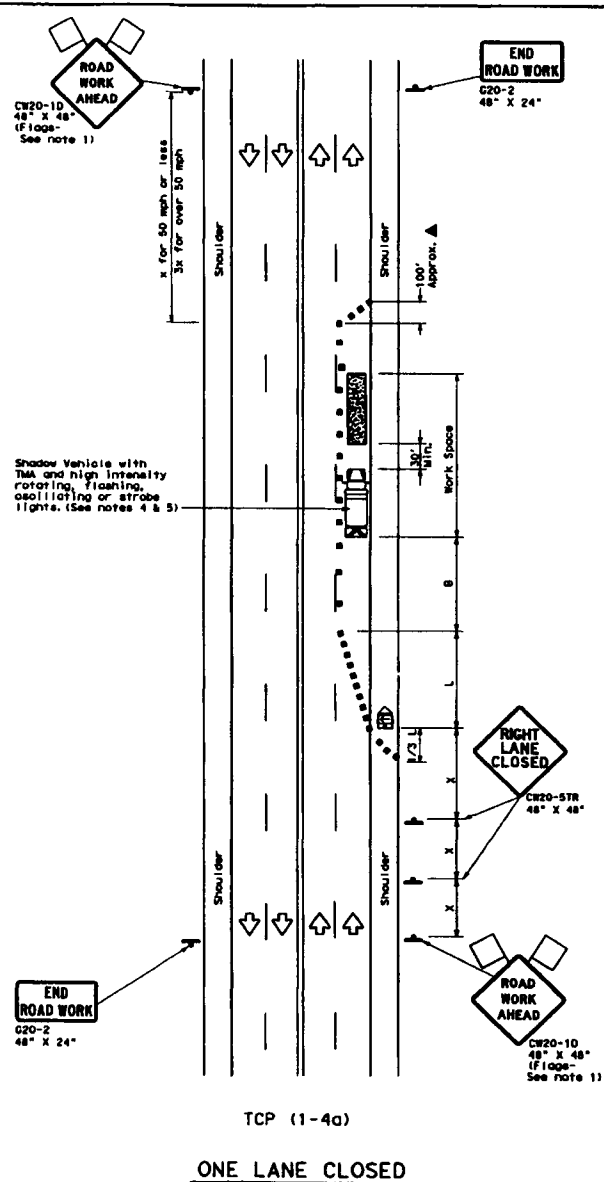
TRAFFIC CONTROL PLAN ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP (1-2)-12

REVISED	DATE	BY	CHK	DATE	CHK	DATE	CHK
4-90	1-12						
2-94							
1-97							
4-98							

DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. The warranty of any sign or device is the responsibility of the manufacturer. The Texas Department of Transportation does not warrant the results or damages resulting from its use.

DATE: FILE:



LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed	Formula	Minimum Desirable Spacing of Channelizing Devices		Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	15' Offset	On a Taper	On a Tangent		
30	L = WS/60	150'	165'	30'	60'	120'	90'
35		205'	225'	35'	70'	160'	120'
40	L = WS/60	265'	295'	40'	80'	240'	155'
45		325'	365'	45'	90'	320'	195'
50	L = WS/60	385'	435'	50'	100'	400'	240'
55		445'	505'	55'	110'	500'	295'
60	L = WS/60	505'	575'	60'	120'	600'	350'
65		565'	645'	65'	130'	700'	410'
70	L = WS/60	625'	715'	70'	140'	800'	475'
75		685'	785'	75'	150'	900'	540'

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

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

- GENERAL NOTES**
- Flags 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 plan, or for routine maintenance work, when approved by the Engineer.
 - The CP20-10 "ROAD WORK AHEAD" sign may be repeated if 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 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 may be substituted for the Shadow Vehicle and TMA.
 - Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- TCP (1-4a)**
- If this TCP is used for a left lane closure, CP20-5TL "LEFT LANE CLOSED" sign shall be used and channelizing devices shall be placed on the centerline where needed to protect the work space from opposing traffic with the arrow panel placed in the closed lane near the end of the merging taper.
- TCP (1-4b)**
- Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' 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.

For construction or maintenance contract work, specific project requirements for shadow vehicle can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE
CONVENTIONAL ROADS

TCP (1-4)-12

© 1997 December 1985	Rev. 10/97	Rev. 10/97	Rev. 10/97	Rev. 10/97
2-94	1-12			
2-94	1-12			
1-97				
4-98				

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