

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: 2018-18735

Applicant: PS Light Wave, Inc

Job Location Site: Farmer Road, Richmond, TX 77406

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 27th day of February, 2018, 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: Charles O. Ay
for County Engineer

N/A

By: _____
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Date Recorded 3-5-2018 Comm. Court No. 14R

Clerk of Commissioners Court

By: Florida Wallis
Deputy



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

**Fort Bend County
Engineering Department**
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- Right of Way Permit**
 Commercial Driveway Permit

Permit No: 2018-18735

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.

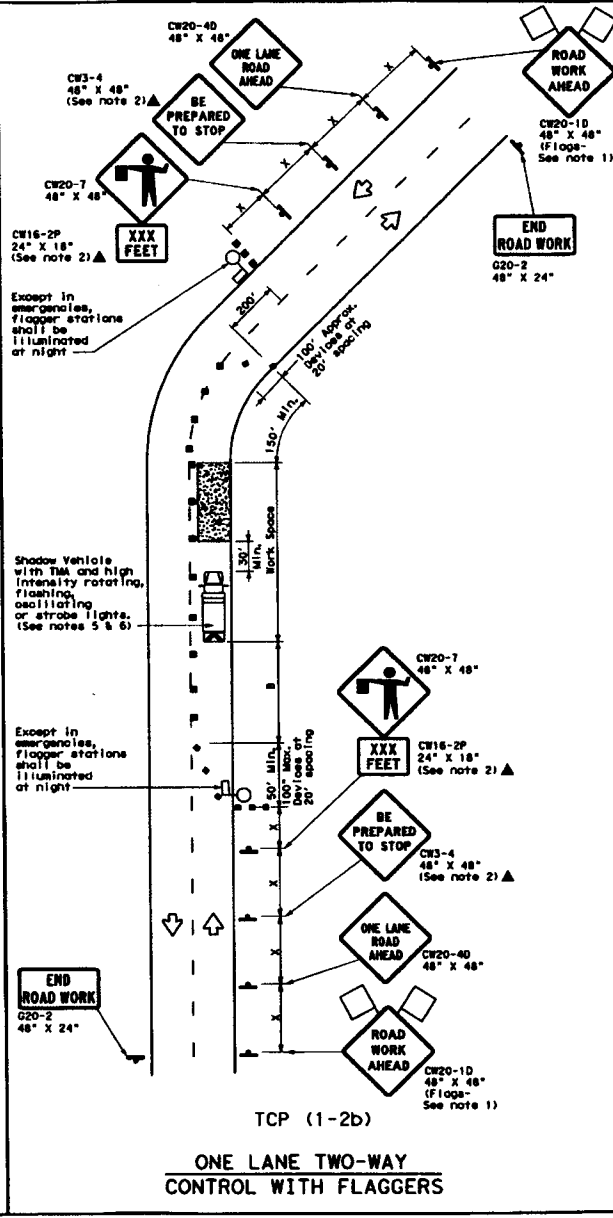
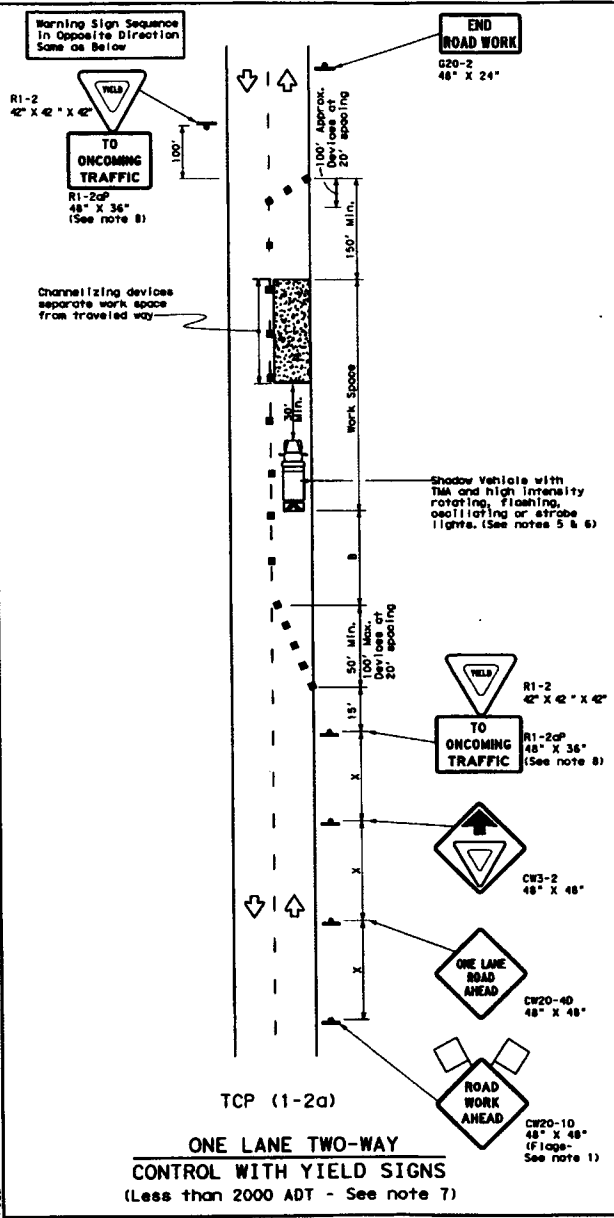
Charles O. Ay

Permit Administrator

2/19/2018

Date

DISCLAIMER: This plan and its contents are prepared by the Texas Engineering Practice Act. No warranty of any kind is made by TCEM for any purpose whatsoever. TCEM assumes no responsibility for the consequences of any use of this plan or its contents or for the results of any construction or other work resulting from its use.



LEGEND

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

Posted Speed K	Formula	Minimum Desirable Taper Lengths K X			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X"	Suggested Longitudinal Buffer Space "B"	Stopping Sight Distance
		10'	11'	12'	On a Taper	On a Tangent			
30	L = WS	150'	165'	180'	30'	50'	120'	90'	200'
35	L = WS	205'	225'	245'	35'	70'	160'	120'	250'
40	L = WS	265'	285'	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'

K Conventional Roads Only
W 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 CW3-4 "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 or an additional CW20-1D "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 R1-2CP "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

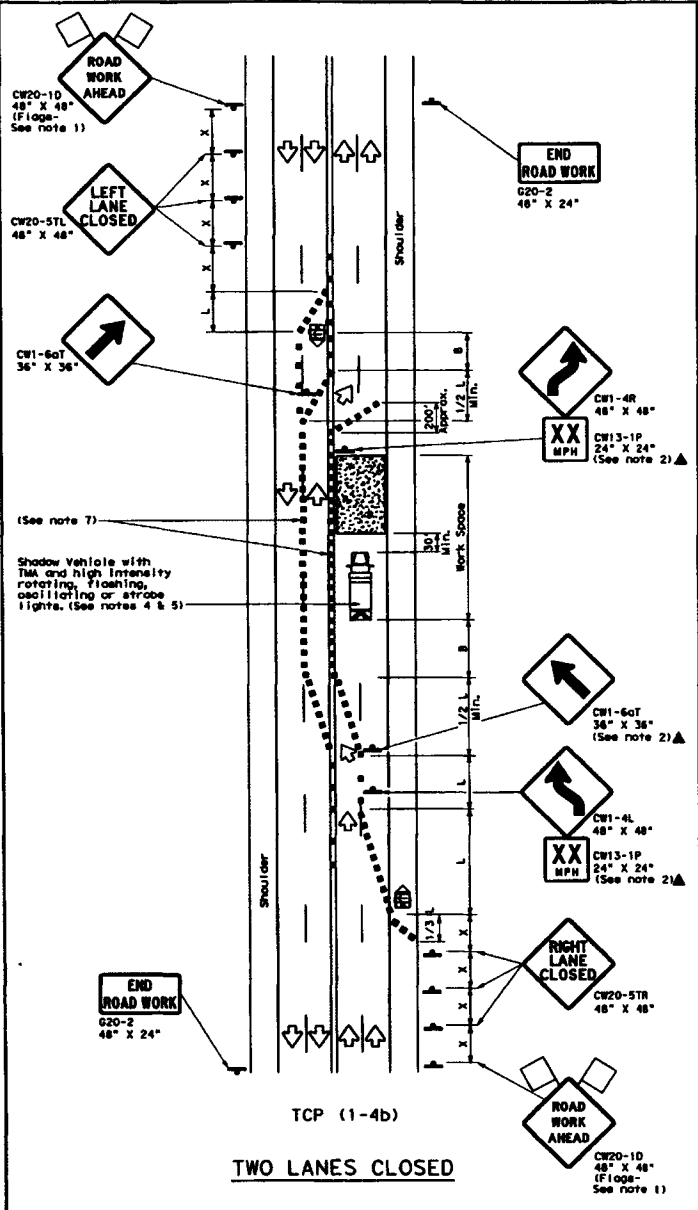
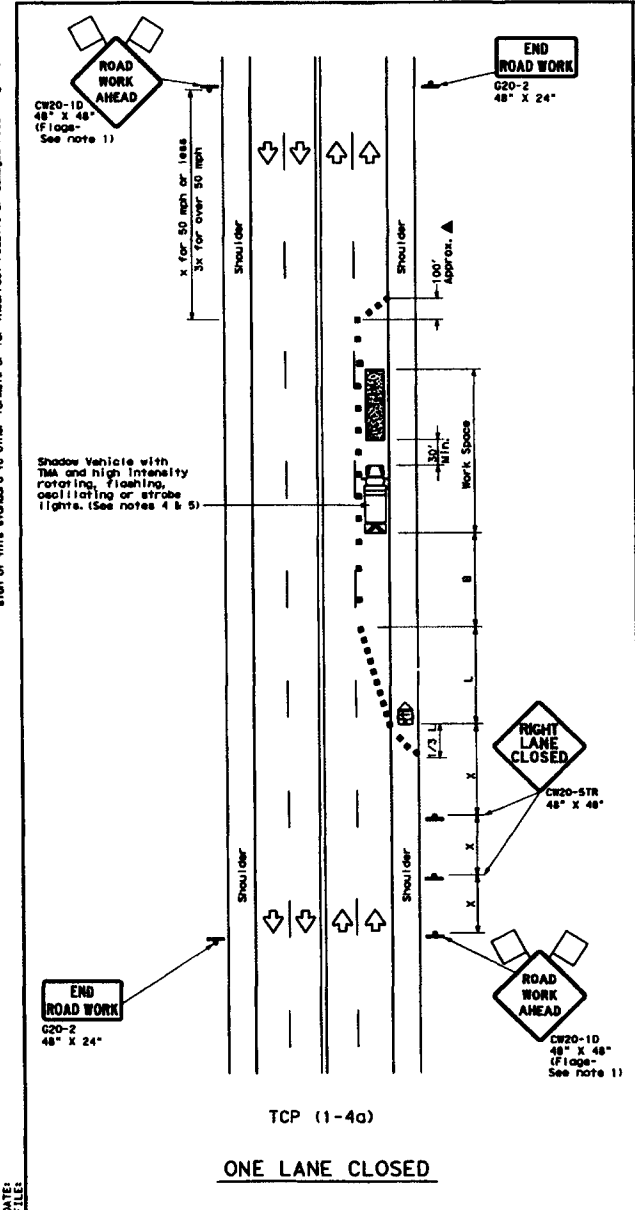
TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

TCP (1-2)-12

DESIGNED	December 1985	REVISED		DATE	BY	DATE	BY
4-90	1-12						
1-97							
4-98							

152

DISCLAIMER: The use of this standard is governed by the Texas Department of Transportation. No warranty, express or implied, is made by the Department of Transportation for the use of this standard for any purpose other than that intended. The user assumes all responsibility for the consequences of any use of this standard for any purpose other than that intended.



LEGEND

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

Posted Speed MPH	Formula	Minimum Desirable Taper Lengths X X		Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "S"	
		Offset	Offset	On a Taper	On a Tangent			
30	L = WS	150'	165'	18'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40	L = WS	265'	295'	320'	40'	80'	240'	155'
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65		650'	715'	780'	65'	130'	700'	410'
70	L = WS	700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

X 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 stored elsewhere in the plane, or for routine maintenance work, when approved by the Engineer.
 - The CW20-1D "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 TMA 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, CW20-5TL "LEFT LANE CLOSED" signs 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 device which separates 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.

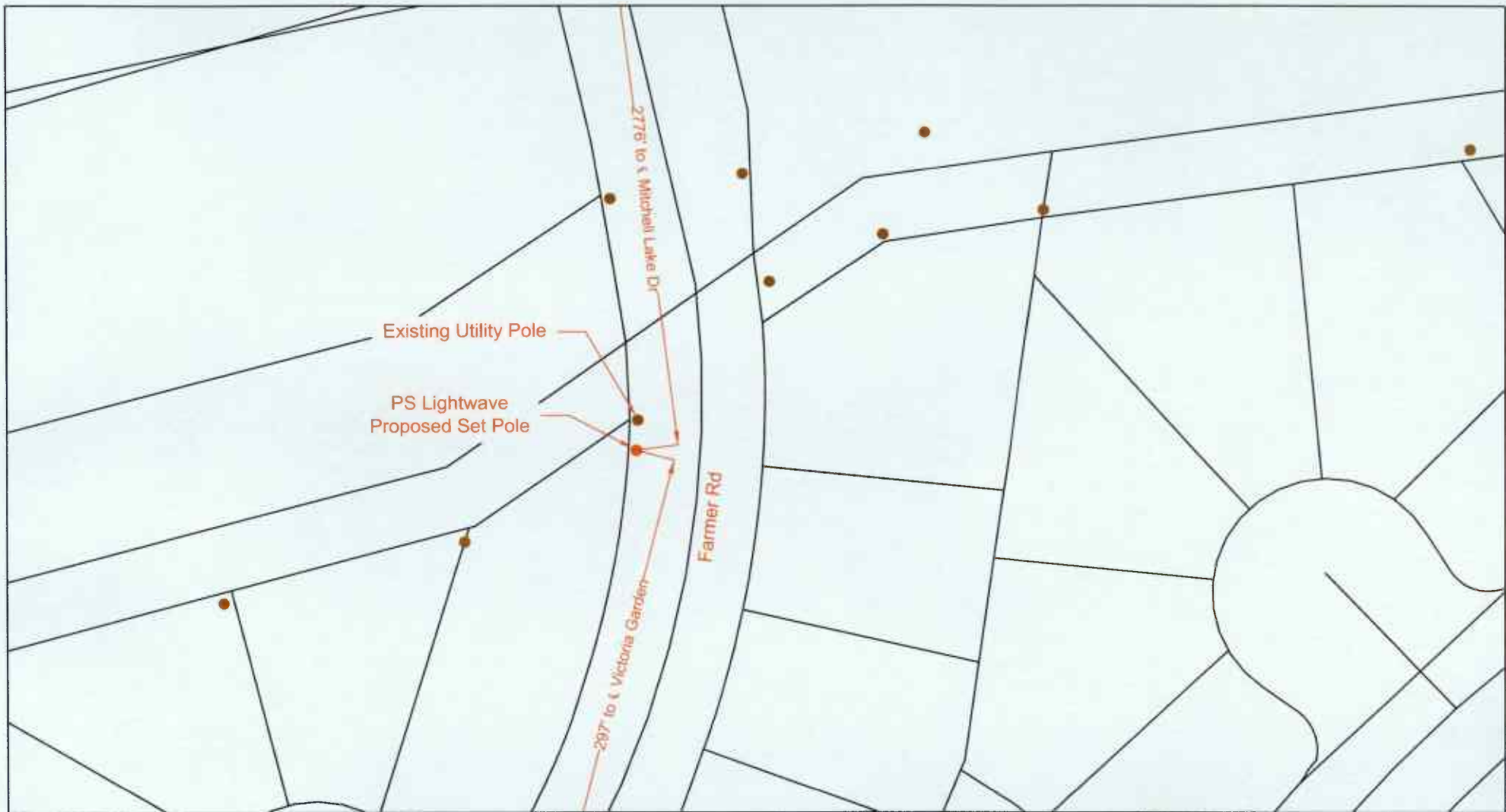
For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
 Traffic Operations Division

TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE
CONVENTIONAL ROADS

TCP (1-4) - 12

REVISED	DATE	BY	JOB	NUMBER
1-12				
1-97				
4-98				
154				



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 | R/W | PROPOSED PSLW VAULT (24"x36"x24") |
| FLEX INNERDUCT | EOP | FENCE | EXISTING VAULT |
| AIR | RACK LOCATION | PULLBOX | MDF LOCATION |
| CAT5 | | | |

SCALE: 1"=40'
PAGE: 1
OF: 3

PS 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# M0218-7853	
CUSTOMER: Notice Of Proposed Utility Installation	
ADDRESS: Farmer Rd	
CITY/ZIP: Richmond TX 77406	COUNTY: Fort Bend
TENANTS:	# OF FLOORS:
WOP: 100938	JOB# M0218-7853
APPROVED BY:	DATE:
DRAWN BY: P.J.E	DATE: 02/14/2018
KEY MAP: 566 E	



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 | 1.25" EMT | EXISTING UTILITY POLE |
| UG | 1(4") HDPE W/ 3(1.25")HDPE | R/W | PROPOSED PSLW VAULT (24"x36"x24") |
| FLEX INNERDUCT | EDGE-OF-PAVEMENT | FENCE | EXISTING VAULT |
| AIR | AERIAL FIBER OPTIC CABLE | RACK LOCATION | PULLBOX |
| CAT5 | CAT5 CABLE | MDF LOCATION | |

SCALE: 1"=40'
PAGE: 2
OF: 3

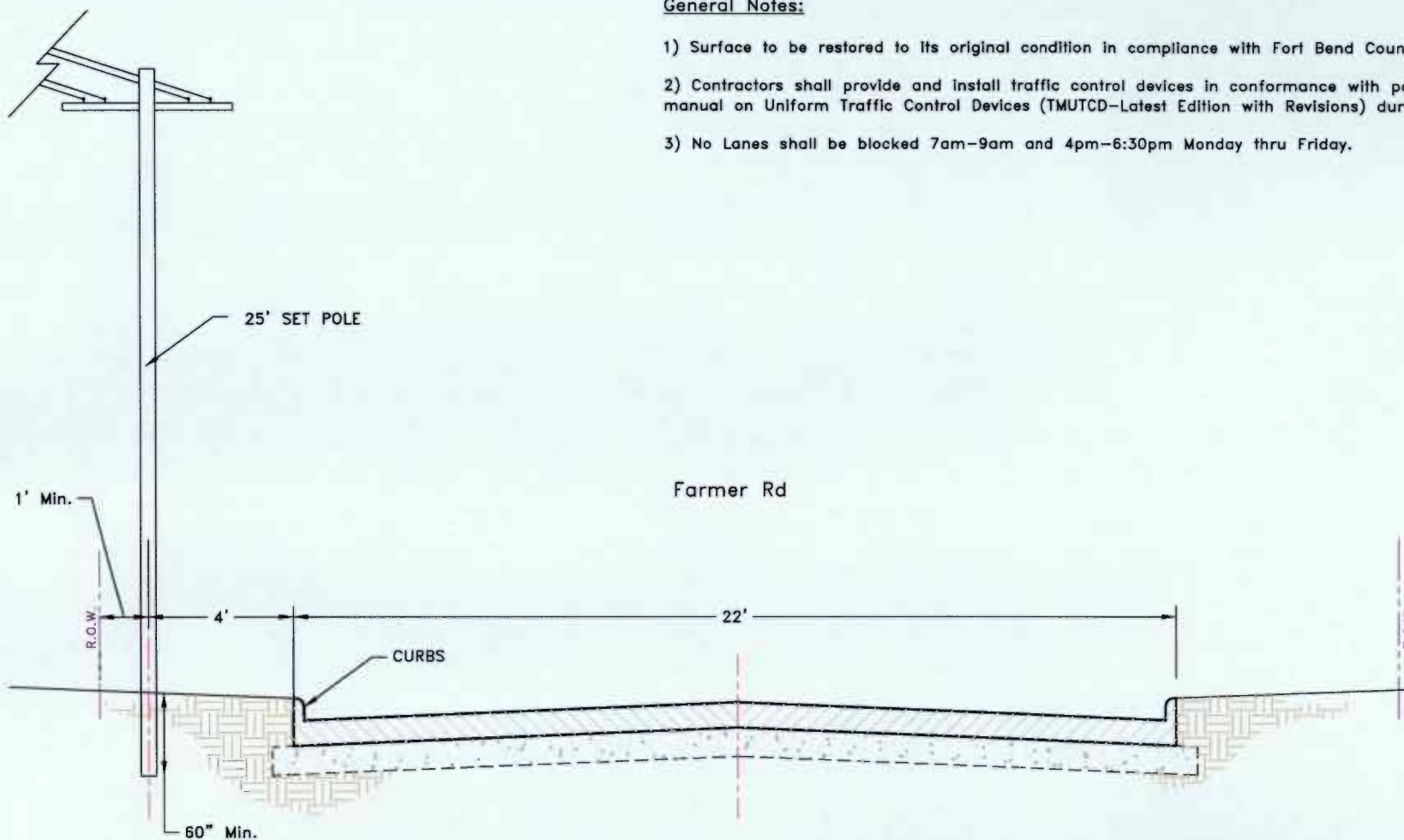
PS LIGHTWAVE
PROPRIETARY INFORMATION - PROPERTY OF PS LIGHTWAVE

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: JOB# M0218-7853			
CUSTOMER: Notice Of Proposed Utility Installation			
ADDRESS: Farmer Rd			
CITY/ZIP: Richmond TX 77406		COUNTY: Fort Bend	
TENANTS:	# OF FLOORS:	DWG#:	KEY MAP: 566 E
WO#: 100938	JOB#: M0218-7853	DRAWN BY: PJE	DATE: 02/14/2018
APPROVED BY:	DATE:		

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	PSLW 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	EXISTING UTILITY POLE
UG	1(4") HDPE W/ 3(1.25")PVC	R/W	PROPOSED PSLW VAULT (24"x36"x24")
	FLEX INNERDUCT	EDP	EXISTING VAULT
AIR	AERIAL FIBER OPTIC CABLE	FENCE	PULLBOX
CAT5	CATS CABLE	RACK LOCATION	MDF LOCATION

		Job# M0218-7853	
		Description: Notice Of Proposed Utility Installation	
PROPRIETARY INFORMATION - PROPERTY OF PS LIGHTWAVE		ADDRESS: Farmer Rd	
REVISION#1: Rev#1		DATE: Rev#1 Date	CITY/ZIP: Richmond, TX 77406
REVISION#2: Rev#2		DATE: Rev#2 Date	COUNTY: Fort Bend
SCALE: N.T.S.	REVISION#3: Rev#3	DATE: Rev#3 Date	TENANTS:
PAGE: 3	REVISION#4: Rev#4	DATE: Rev#4 Date	# OF FLOORS:
OF: 3			DWG#:
			KEY MAP: 566 E
			WQ#: 100938
			JOB#: M0218-7853
			DRAWN BY: P/E
			DATE: 02/14/2018
			APPROVED BY:
			DATE: