



**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: 2017-12193

Applicant: PS Light Wave, Inc.

Job Location Site: Old Richmond Rd, Sugar Land, TX 77498

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 14th day of March, 2017, Upon Motion of Commissioner Meyers, 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: C. Kimberly O. Ay
for County Engineer

Date Recorded 3-16-2017 Comm. Court No. 11E

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: Sandy Walker
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: 2017-12193

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

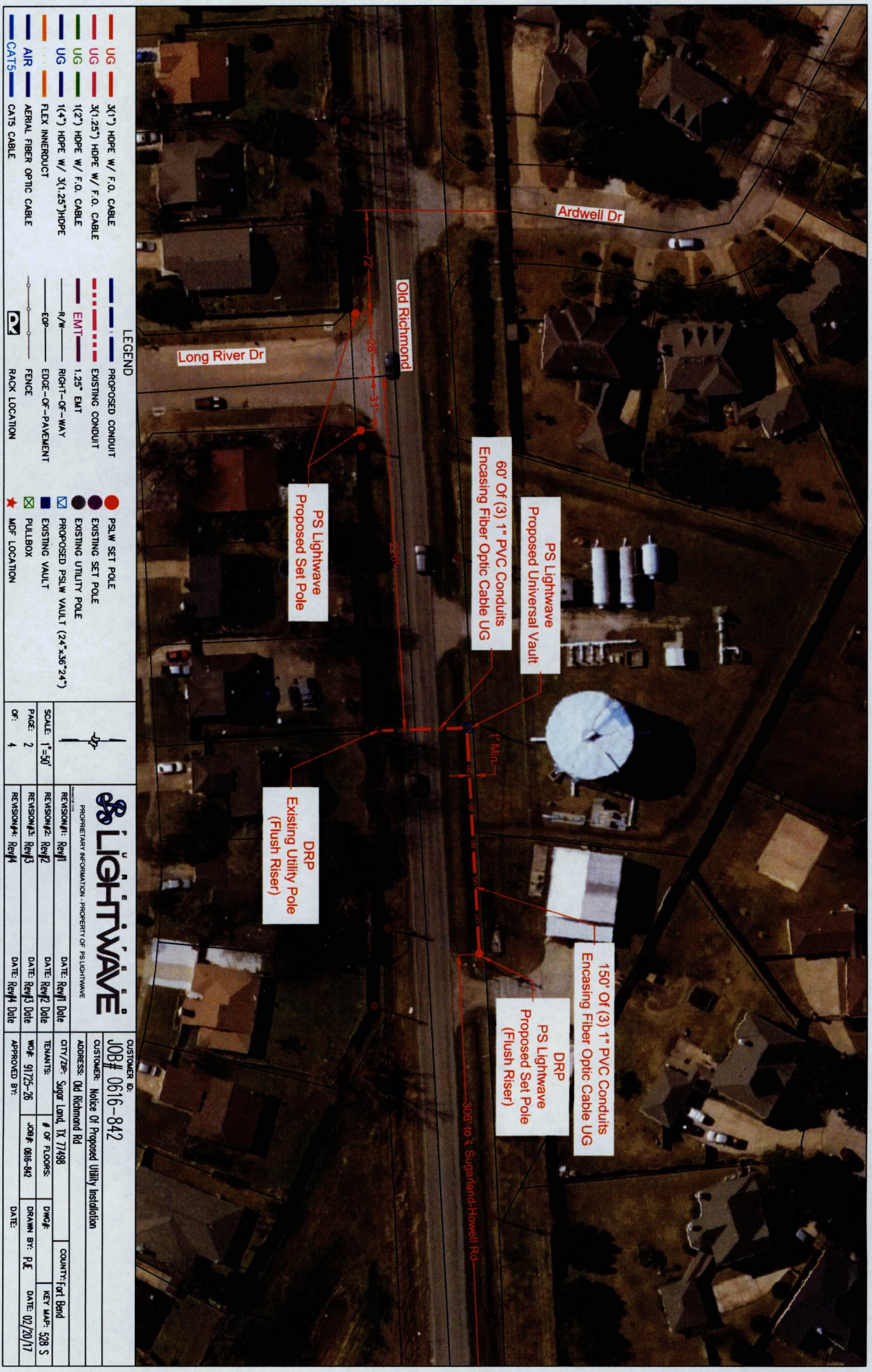
Date

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

Charley O. AM

Permit Administrator

Date

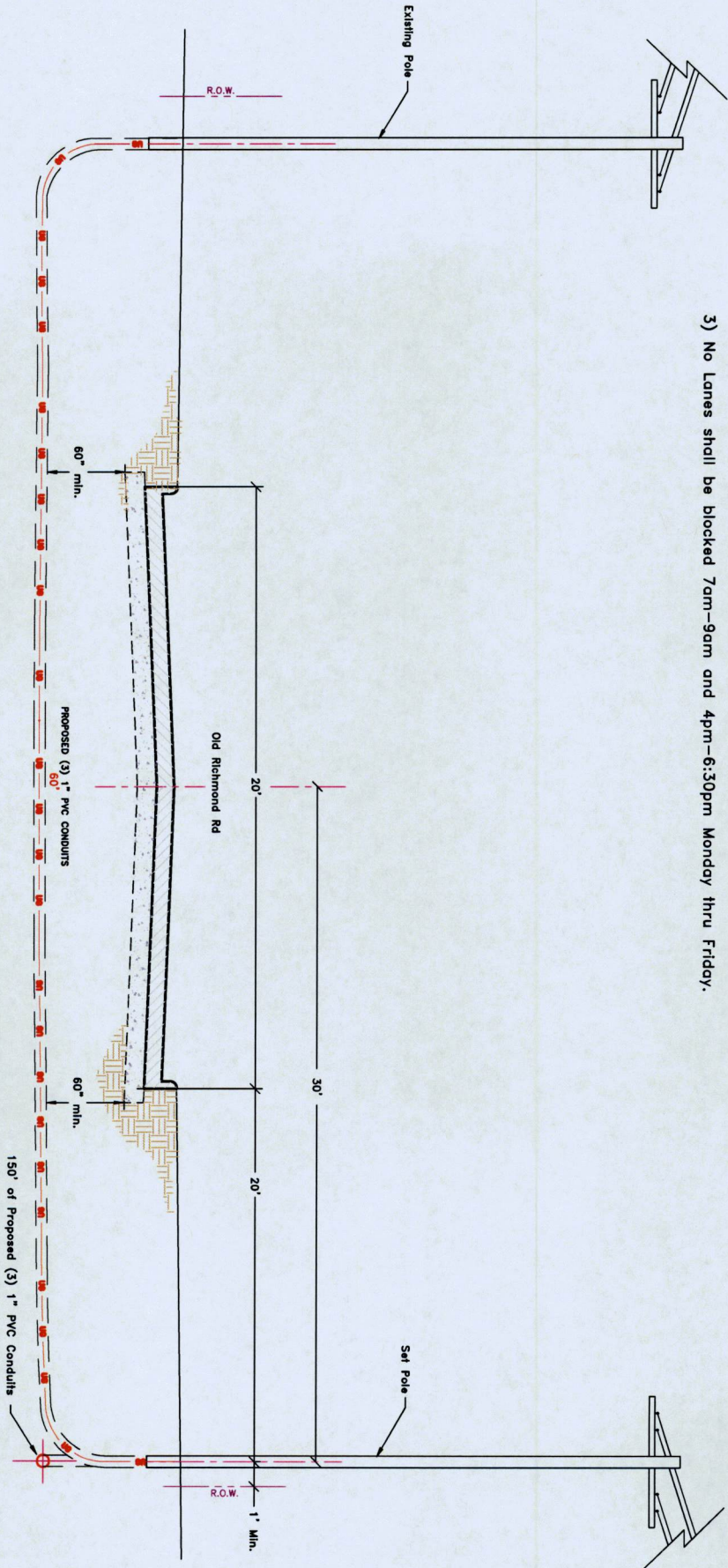


LEGEND

	UG	3(1") HOPE W/ F.O. CABLE		PROPOSED CONDUIT
	UG	3(1.25") HOPE W/ F.O. CABLE		EXISTING CONDUIT
	UG	1(2") HOPE W/ F.O. CABLE		1.25" EMT
	UG	1(4") HOPE W/ 3(1.25")HOPE		R/W
	UG	FLEX INNERDUCT		RIGHT-OF-WAY
	AIR	AERIAL FIBER OPTIC CABLE		EDGE-OF-PAVEMENT
	CATS	CATS CABLE		FENCE
		PS/W SET POLE		EXISTING UTILITY POLE
		EXISTING SET POLE		PROPOSED PS/W VAULT (2.4'x3.6'x2.4')
		EXISTING UTILITY POLE		EXISTING VAULT
		PROPOSED PS/W VAULT (2.4'x3.6'x2.4')		PULLBOX
		EXISTING VAULT		MDF LOCATION
		MDF LOCATION		

	SCALE: 1"=50'
	PAGE: 2 OF: 4
PS LIGHTWAVE	
PROFESSIONAL CORPORATION - 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	ADDRESS: Old Richmond Rd
CITY/ZIP: Sugar Land, TX 77498	COUNTRY: Fort Bend
DATE: 9/17/25-26	DATE: 02/20/17
WOP# 0616-842	DATE: 02/20/17
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.

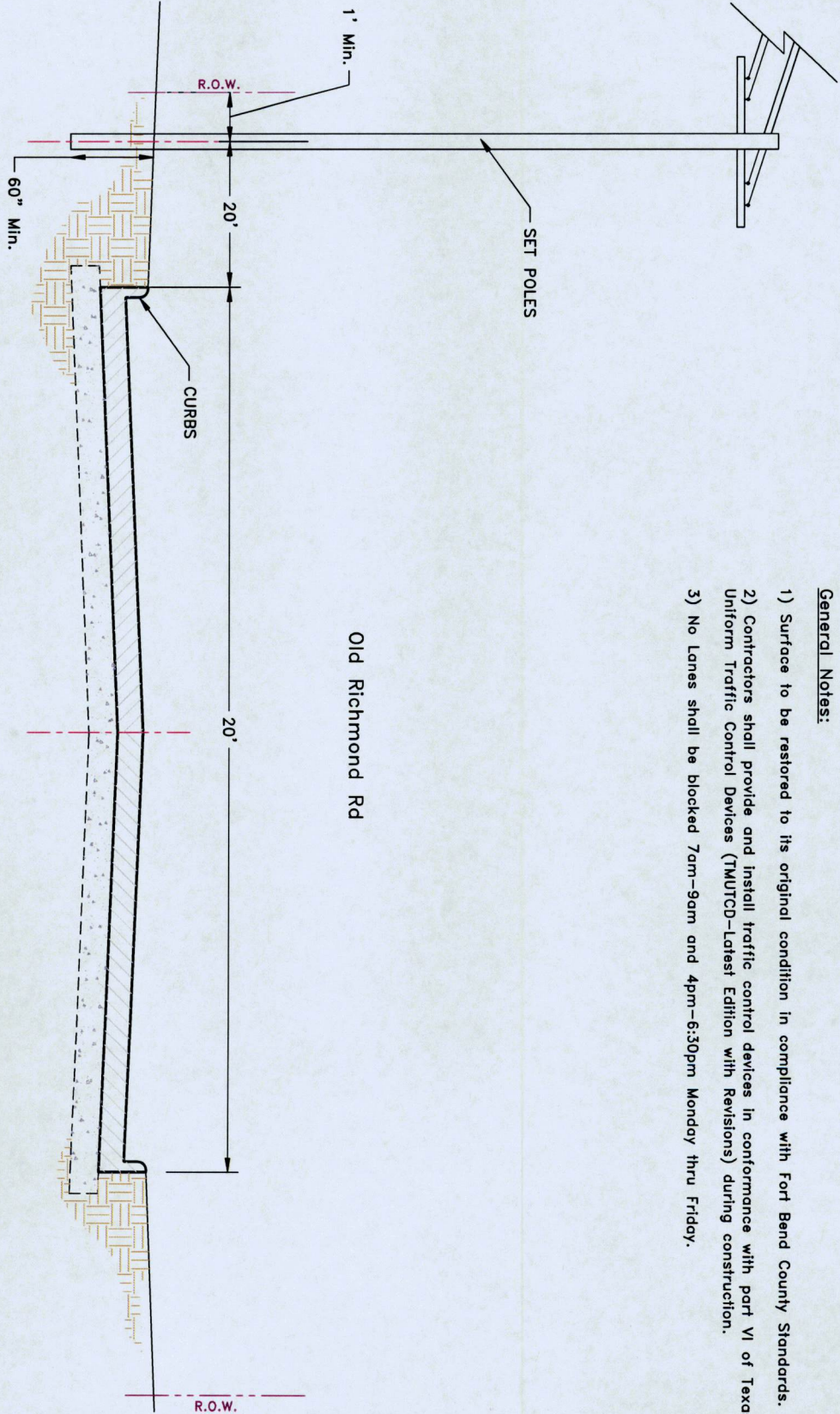


LEGEND

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

SCALE: N.T.S.	OF: 3	OF: 4	REVISION 1: Rev#1	DATE: Rev#1 Date	DATE: Rev#1 Date
			REVISION 2: Rev#2	DATE: Rev#2 Date	DATE: Rev#2 Date
			REVISION 3: Rev#3	DATE: Rev#3 Date	DATE: Rev#3 Date
			REVISION 4: Rev#4	DATE: Rev#4 Date	DATE: Rev#4 Date
Job# 0616-842 Description: Notice Of Proposed Utility Installation ADDRESS: Old Richmond Rd CITY/ZIP: Sugar Land, TX 77498 COUNTY: Fort Bend # OF FLOORS: 1 JOB# 0616-842 DRAWN BY: R.E. DATE: 02/20/17		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.



Old Richmond Rd

LEGEND

	3"(1") PVC W/ F.O. CABLE		PROPOSED CONDUIT
	3"(1.25") PVC W/ F.O. CABLE		EXISTING CONDUIT
	1"(2") PVC W/ F.O. CABLE		1.25" EMT
	1"(4") HDPE W/ 3"(1.25") PVC		R/W
	FLEX INNERDUCT		EDGE-OF-PAVEMENT
	AERIAL FIBER OPTIC CABLE		FENCE
	CATS		RACK LOCATION

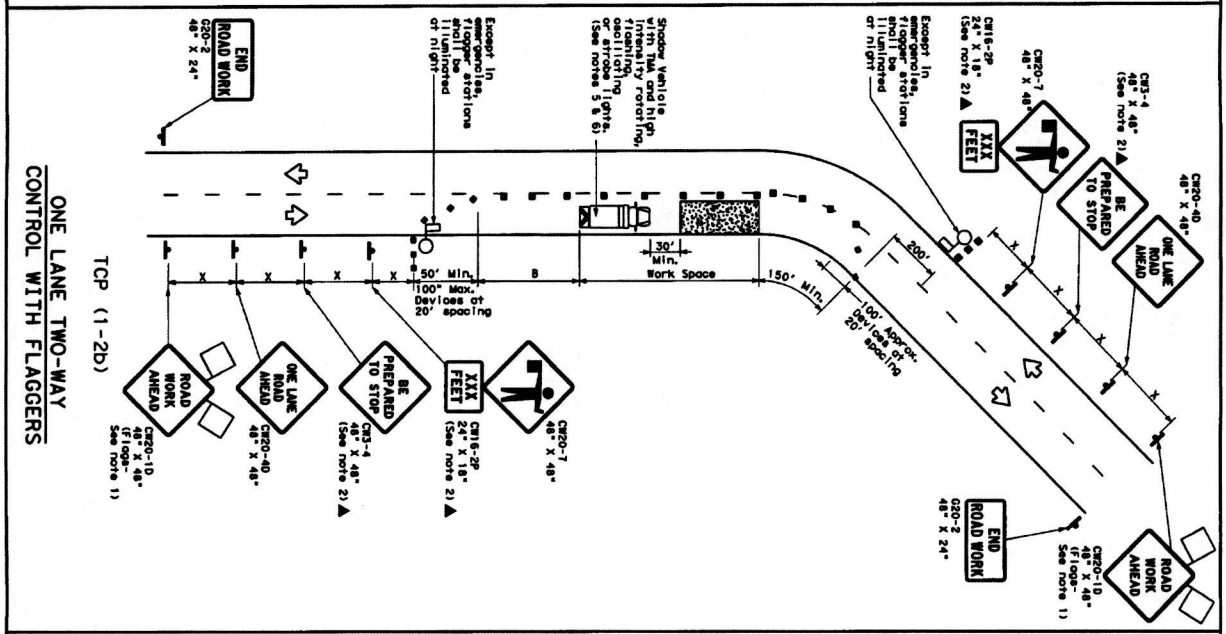
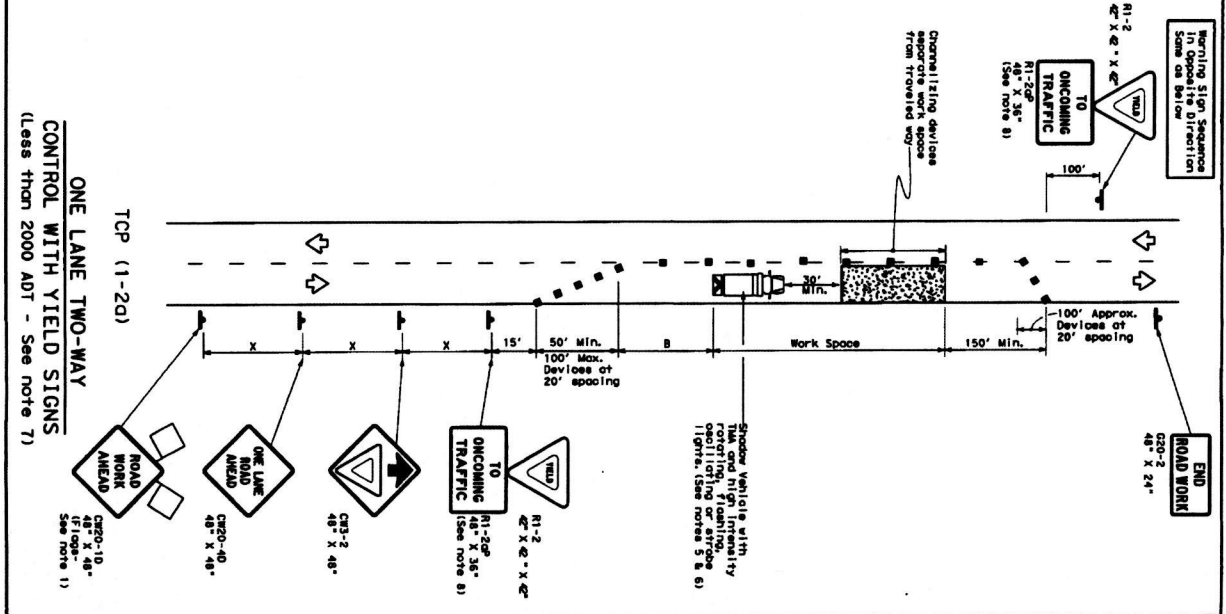
	P.S.M SET POLE
	EXISTING SET POLE
	EXISTING UTILITY POLE
	PROPOSED P.S.M VAULT (24"x36"x24")
	EXISTING VAULT
	PULLBOX
	MDF LOCATION

SCALE: N.T.S.			JOB # 0616-842 Description: Notice Of Proposed Utility Installation ADDRESS: Old Richmond Rd CITY/ZIP: Sugar Land, TX 77498 COUNTY: Fort Bend		
PAGE: 4				REVISION#1: Rev#1	DATE: Rev#1 Date
OF: 4				REVISION#2: Rev#2	DATE: Rev#2 Date
				REVISION#3: Rev#3	DATE: Rev#3 Date

WSP #: 91725-26	JOB#: 0616-842	DWG#: 028 S
APPROVED BY:	DATE:	KEY MAP: 028 S
		DATE: 07/20/17

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DATE: FILE:



LEGEND

Symbol	Description	Symbol	Description
■	Type 3 Barricade	▲	Channelizing Device
□	Heavy Work Vehicle	▲	Truck Mounted Attenuator (TMA)
▲	Traffler Mounted Flashing Arrow Board	▲	Portable Changeable Message Sign (PCMS)
▲	Sign	▲	Traffic Sign (R1-2)
▲	Flag	▲	Traffic Flow
▲	Flagger	▲	Flagger

GENERAL NOTES

- Flaggers stationed to signs where shown are REQUIRED, except those shown with the maintenance work, when approved by the Engineer.
- The C20-4 "BE PREPARED TO STOP" sign may be installed on the C20-4 "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
- When it comes within 500 feet of the flagger, the R1-2 "YIELD" sign shall be used. A Shower Vehicle with a TMA should be used within 100 feet of the flagger. In the absence of the crew, a Shower Vehicle with a TMA should be used within 100 feet of the flagger. If workers are no longer present but road or work conditions require flagging, the flagger should be used. The flagger should be used to control traffic in those areas in order to protect wider work spaces.
- Additional Shower Vehicles with TMA may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2D)

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 1/4 mile. R1-2a "YIELD" sign with R1-2b "ONE LANE ROAD AHEAD" sign shall be placed on a support of a 7 foot minimum mounting height.

TCP (1-2B)

1. Flaggers should use two-way radios or other methods of communication to control traffic.

2. Length of work space should be based on the ability of flaggers to communicate.

3. If the work space is located near a horizontal curve or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger.

4. Flaggers should use two-way radios or other methods of communication to control traffic.

5. Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.

6. Flaggers should use 24" STOP/SLOW paddles to control traffic. Paddles should be illuminated to emergency situation.

FOR CONSTRUCTION OR MAINTENANCE CONTRACTORS:
 1. Signs should be placed in the project area in advance of the work zone.
 2. Signs should be placed in the project area in advance of the work zone.
 3. Signs should be placed in the project area in advance of the work zone.
 4. Signs should be placed in the project area in advance of the work zone.
 5. Signs should be placed in the project area in advance of the work zone.

Texas Department of Transportation
 Traffic Operations Division

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

TCP (1-2)-12

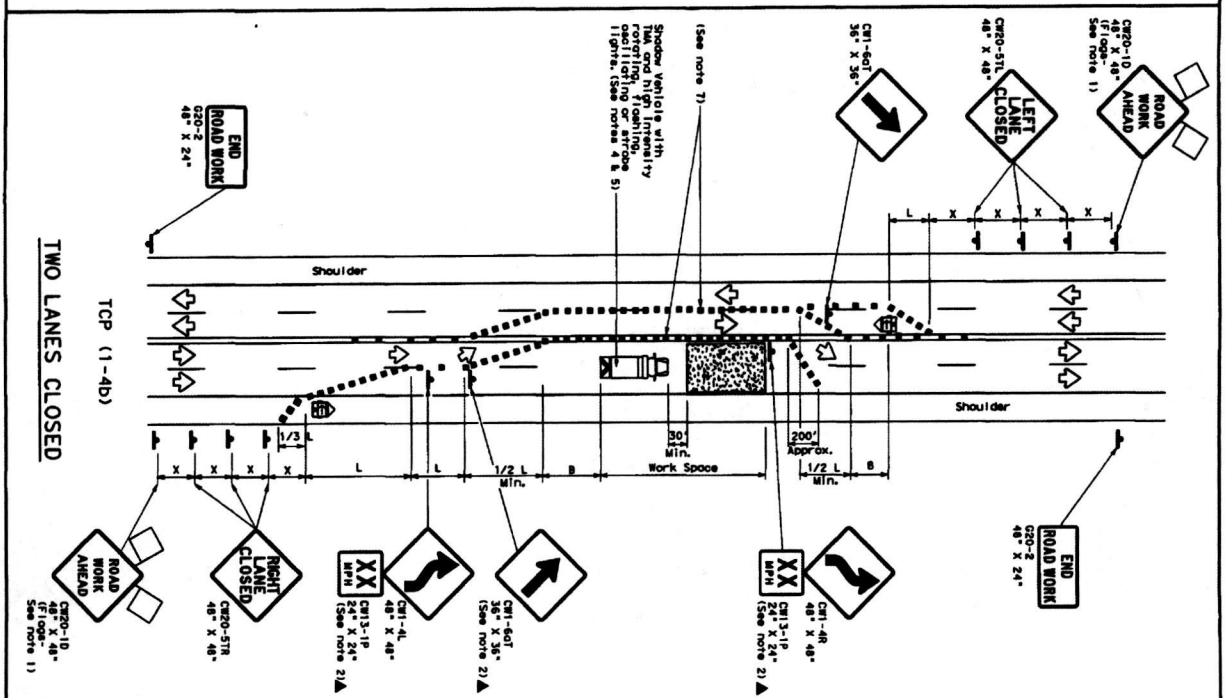
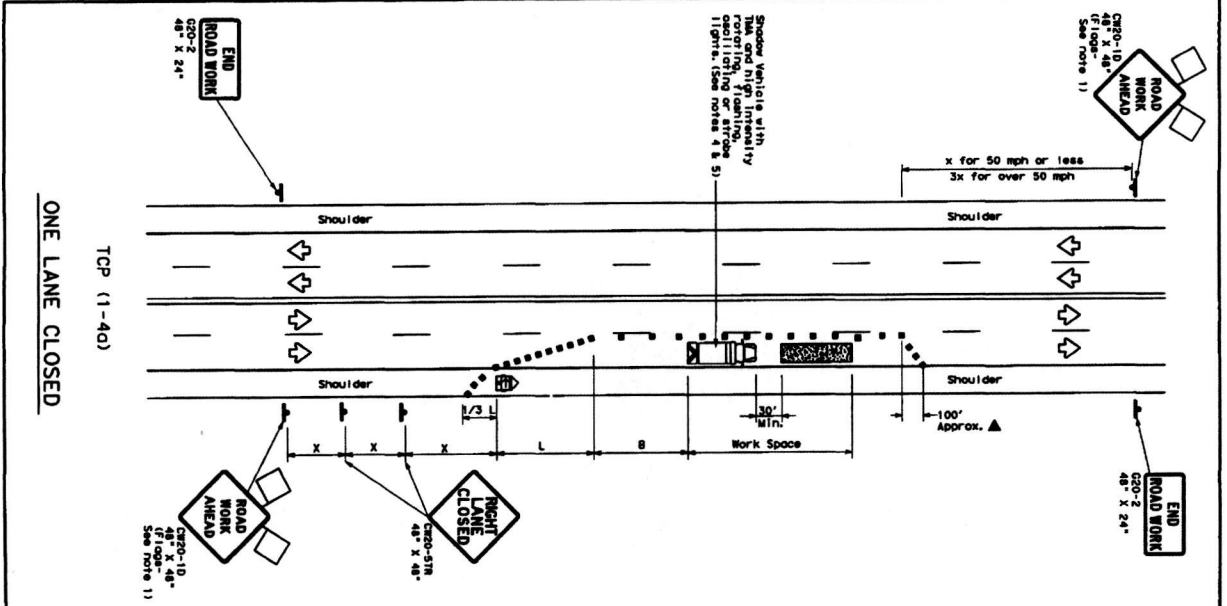
DATE	BY	REVISION
4-20	1-21	1-12
1-21	1-21	1-12
1-21	1-21	1-12
1-21	1-21	1-12

TYPICAL USAGE

MOBILE	SHORT STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
30	30	30	30
40	40	40	40
50	50	50	50
60	60	60	60
70	70	70	70
80	80	80	80
90	90	90	90
100	100	100	100
110	110	110	110
120	120	120	120
130	130	130	130
140	140	140	140
150	150	150	150
160	160	160	160
170	170	170	170
180	180	180	180
190	190	190	190
200	200	200	200
210	210	210	210
220	220	220	220
230	230	230	230
240	240	240	240
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260	260	260	260
270	270	270	270
280	280	280	280
290	290	290	290
300	300	300	300
310	310	310	310
320	320	320	320
330	330	330	330
340	340	340	340
350	350	350	350
360	360	360	360
370	370	370	370
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390	390	390	390
400	400	400	400
410	410	410	410
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480	480	480	480
490	490	490	490
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960	960	960	960
970	970	970	970
980	980	980	980
990	990	990	990
1000	1000	1000	1000

* Conventional Roads Only (ranged off)
 * Length of Tower (FT) - width of off-peak (FT) - Spaced Speed (mph)

DATE: _____
FILE: _____



LEGEND

	Type 3 Barrier		Trailer Mounted Attenuator (TMA)
	Heavy Work Vehicle		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

GENERAL NOTES

- Flagger stationed to close when shown are REQUIRED.
- For all lane closures, the work zone shall be established with the "T" (Taper) sign as required in the plan, or for routine maintenance work, when approved by the Engineer.
- The G20-10 "ROAD WORK AHEAD" sign may be replaced if the visibility of the work zone is less than 1500 feet.
- 30 to 100 feet in advance of the area of crew operations 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 barriers or other channelizing devices may be substituted for workers.
- Additional Shadow Vehicle with this sign may be positioned off the paved surface, next to those shown in order to prevent wider work spaces.
- Additional Shadow Vehicle with this sign may be positioned off the paved surface, next to those shown in order to prevent wider work spaces.

TCP (1-4a)

6. If this TCP is used for a left lane closure, G20-51L, "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 tapering taper.

TCP (1-4b)

7. Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers of 20' or 15' depending on the speed limit. The spacing should be increased to 175' for the areas of conflicting movements, 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: _____	DATE: _____	DATE: _____	DATE: _____
FILE: _____	FILE: _____	FILE: _____	FILE: _____

For construction contract work, the requirements for end-of-work zone signs can be found in Item 502, and Traffic Signs and Handing.

DATE: _____	DATE: _____	DATE: _____	DATE: _____
FILE: _____	FILE: _____	FILE: _____	FILE: _____

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GENERAL NOTES

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

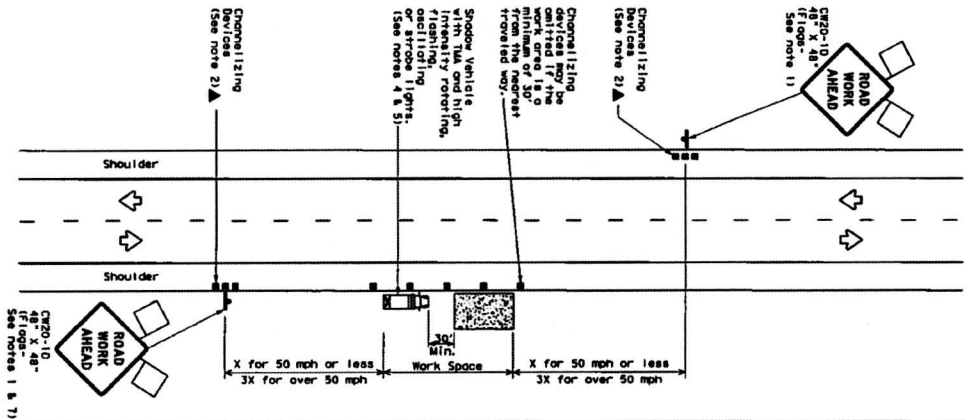
Posted Speed	Formula	Minimum Distance	Suggested Intermediate Spacing	Minimum Spacing	Suggested Longitudinal Spacing
10'	$L = 1.47 S^2$	10'	10'	10'	10'
15'	$L = 1.47 S^2$	15'	15'	15'	15'
20'	$L = 1.47 S^2$	20'	20'	20'	20'
25'	$L = 1.47 S^2$	25'	25'	25'	25'
30'	$L = 1.47 S^2$	30'	30'	30'	30'
35'	$L = 1.47 S^2$	35'	35'	35'	35'
40'	$L = 1.47 S^2$	40'	40'	40'	40'
45'	$L = 1.47 S^2$	45'	45'	45'	45'
50'	$L = 1.47 S^2$	50'	50'	50'	50'
55'	$L = 1.47 S^2$	55'	55'	55'	55'
60'	$L = 1.47 S^2$	60'	60'	60'	60'
65'	$L = 1.47 S^2$	65'	65'	65'	65'
70'	$L = 1.47 S^2$	70'	70'	70'	70'
75'	$L = 1.47 S^2$	75'	75'	75'	75'

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DATE:
FILE:

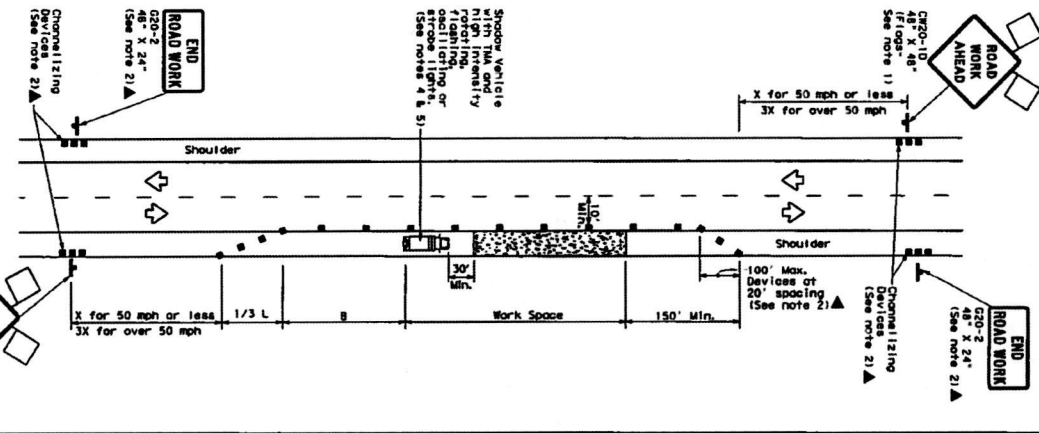
WORK SPACE NEAR SHOULDER
Conventional Roads

TCP (1-1a)



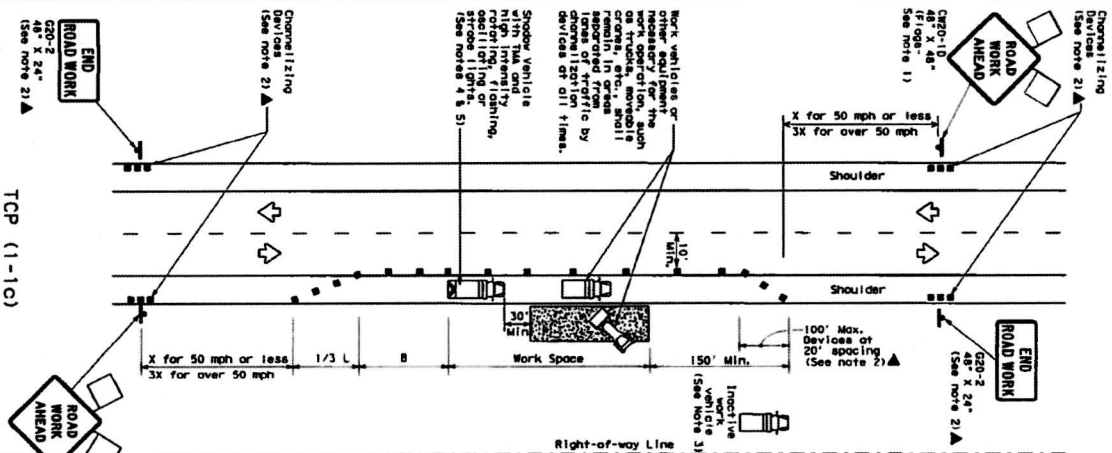
WORK SPACE ON SHOULDER
Conventional Roads

TCP (1-1b)



WORK VEHICLES ON SHOULDER
Conventional Roads

TCP (1-1c)



Right-of-way Line

LEGEND

	Type 3 Barrier		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Portable Changeable Traffic Sign (PCTS)		Lane Usage Sign (LUS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed	Minimum Lane Length	Suggested Minimum Lane Length	Minimum Sign Spacing	Suggested Sign Spacing
30	150'	150'	30'	120'
35	150'	150'	30'	120'
40	150'	150'	30'	120'
45	150'	150'	30'	120'
50	150'	150'	30'	120'
55	150'	150'	30'	120'
60	150'	150'	30'	120'
65	150'	150'	30'	120'
70	150'	150'	30'	120'
75	150'	150'	30'	120'

* 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 shown with the "X" symbol may be omitted when approved by the Engineer, contractor, or for "hot" maintenance work, when approved by the Engineer.
 - Inertive work vehicle or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
 - Shoulder vehicle with this symbol should be used only when it can be positioned effectively to 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 barrier, cones or other channelizing devices may be used to surround the work area.
 - Additional signs and devices may be used to protect wider work areas.
 - See TCEQ-111 for shoulder work on divided highways, expressways and freeways.
 - Channelizing work signs may be used in place of CSP-10.
 - ROAD WORK AHEAD signs for shoulder work on conventional roadways.

For construction or maintenance contract work, specific project requirements for shoulder work signs can be found in the project GENERAL NOTES for Item 502.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
CONVENTIONAL ROAD SHOULDER WORK

TCP (1-1)-12

2-94
1-93
4-94

2-94
2-12

1-93
4-94

1-93
4-94