



**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: 2018-18731

**Applicant:** PS Light Wave, Inc

**Job Location Site:** Gaston Road, 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 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 Meyers, seconded by Commissioner Mucal, 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. 12F

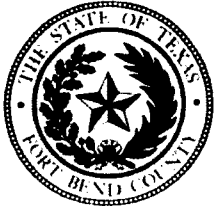
By: N/A

Clerk of Commissioners Court

By:                     

By: Arinda Willis  
Deputy

Drainage District Engineer/Manager



**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: 2018-18731

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

11/30/2017 11:55:46 AM D:\PROJECTS\110111-GASTON RD SEGMENT\110111-GASTON RD SEGMENT\110111-01.dwg

MATCH LINE STA 79+00

MATCH LINE STA 84+00



NOTES:

1. SEE GEOMETRICS LAYOUT SHEETS FOR PAVING DIMENSIONS AND LIMITS.
2. SEE DEMOLITION PLAN SHEETS FOR REMOVAL LIMITS OF EXISTING ITEMS.
3. SEE STORM SEWER LATERALS FOR PROPOSED STORM SEWER LEADS AND CONNECTIONS.
4. SEE DRIVEWAY SUMMARY SHEET FOR DRIVEWAY AND TEMPORARY CONSTRUCTION EASEMENT INFORMATION.



No.	Date	Revisions	No.

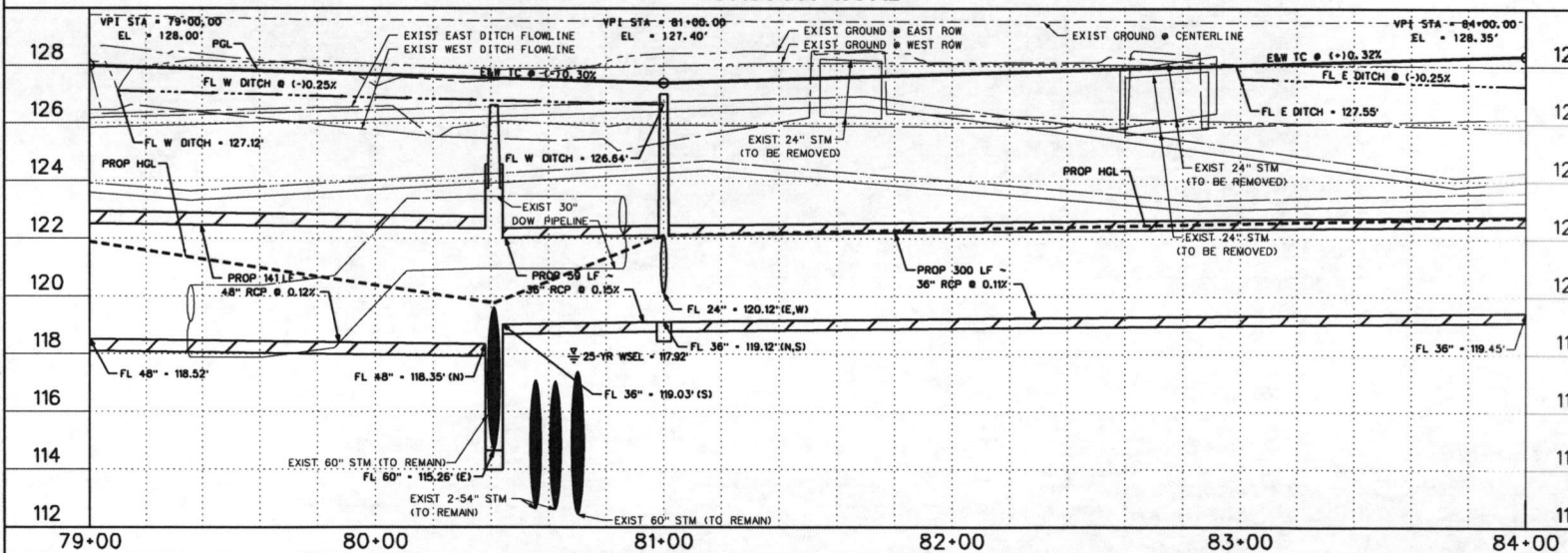


**CobbFendley**  
1875 First Generation No. 274  
13430 Northwest Freeway, Suite 1100  
Houston, Texas 77040  
713.462.3242 | Fax 713.462.3262  
www.cobb-fendley.com

**GASTON ROAD**  
KATY FLEWELLEN ROAD TO  
GREENBUSCH ROAD  
**GASTON ROAD**  
PLAN AND PROFILE  
STA 79+00 TO STA 84+00

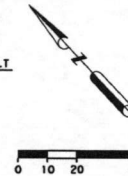
SUBMITTED: NO DESIGNED BY: DV  
SCALE: 1" = 40' CC'D BY:  
DATE: 11/30/2017 SHEET NO 45 OF 241 SHEETS  
SURVEY BY: WEISSER  
OF JOB NO: 1511-011

**GASTON ROAD**



MATCH LINE STA 74+00

MATCH LINE STA 79+00



NOTES:

1. SEE GEOMETRICS LAYOUT SHEETS FOR PAVING DIMENSIONS AND LIMITS.
2. SEE DEMOLITION PLAN SHEETS FOR REMOVAL LIMITS OF EXISTING ITEMS.
3. SEE STORM SEWER LATERALS FOR PROPOSED STORM SEWER LEADS AND CONNECTIONS.
4. SEE DRIVEWAY SUMMARY SHEET FOR DRIVEWAY AND TEMPORARY CONSTRUCTION EASEMENT INFORMATION.

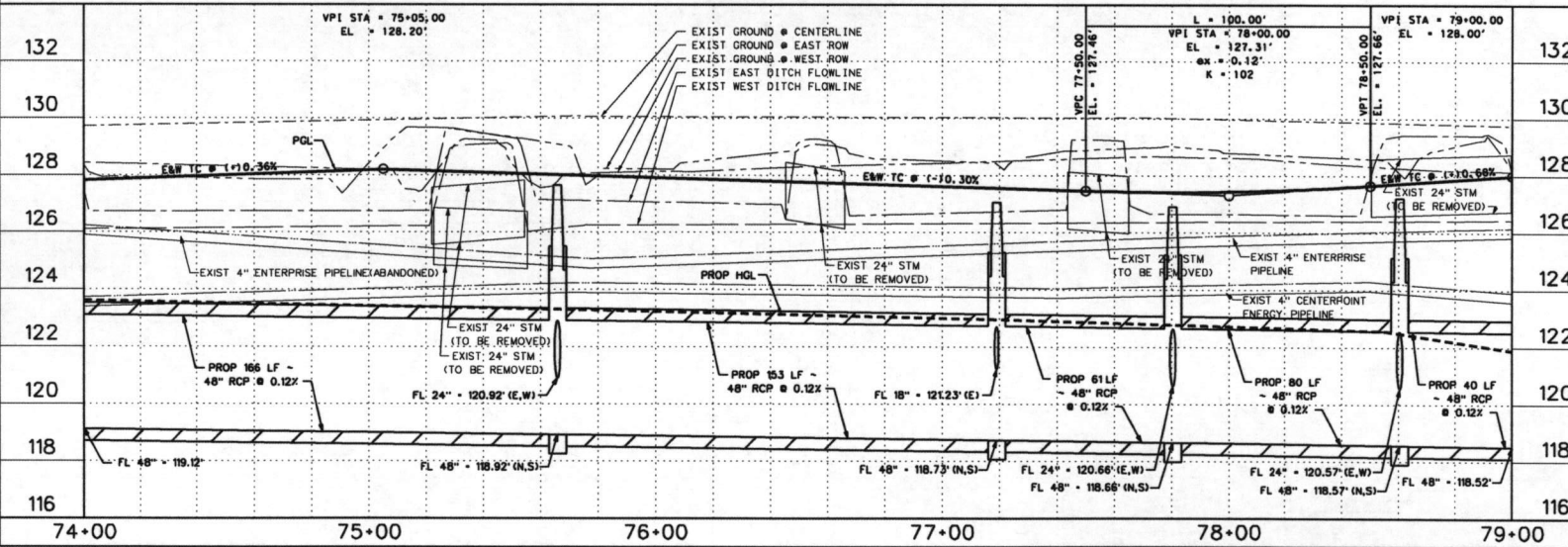


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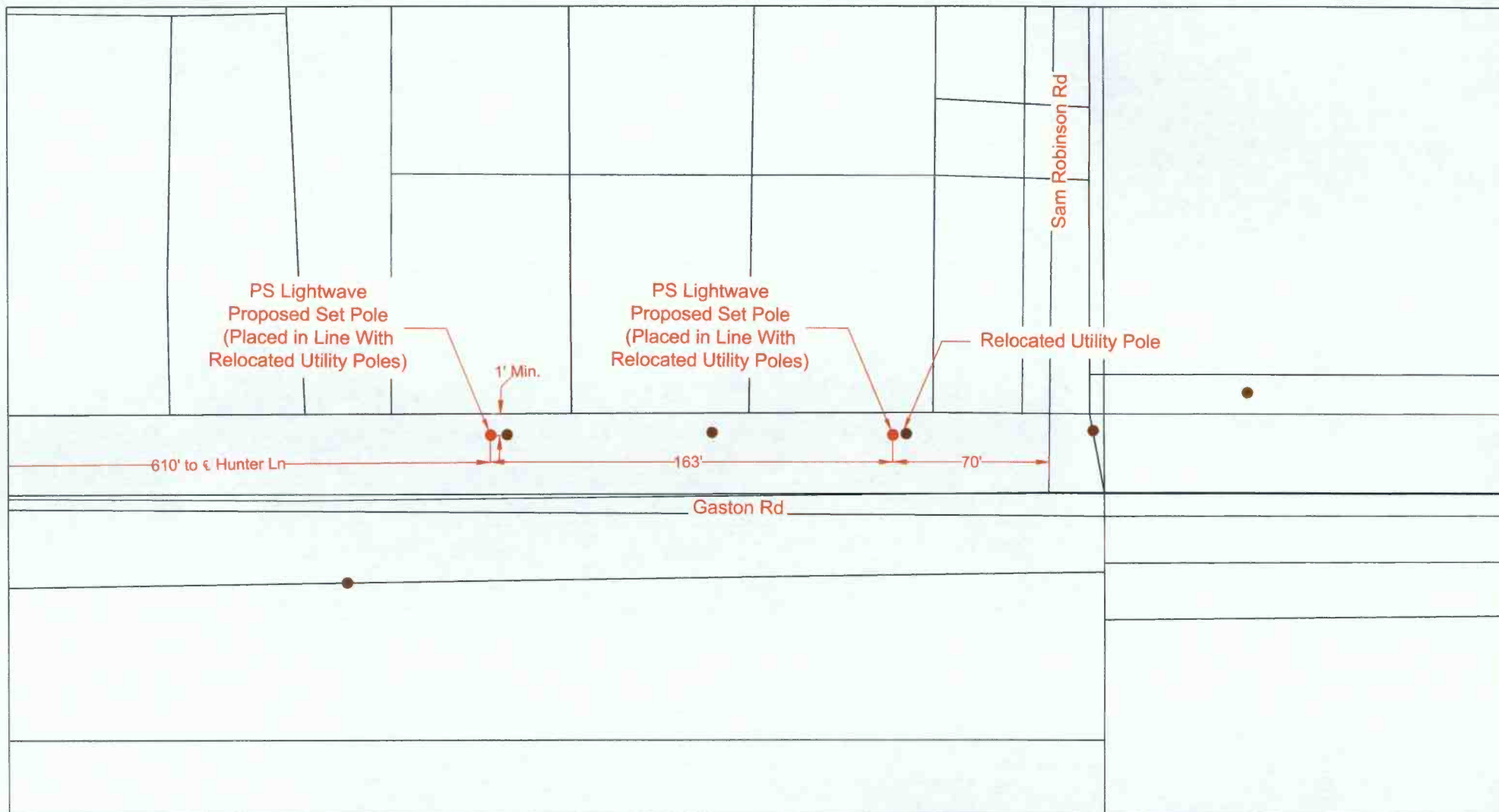
**GASTON ROAD**  
**KATY FLEWELLEN ROAD TO**  
**GREENBUSH ROAD**  
**GASTON ROAD**  
**PLAN AND PROFILE**  
**STA 74+00 TO STA 79+00**

SUBMITTED: 11/30/2017 DESIGNED BY: DV  
 SCALE: 1" = 40' CC: B BY:  
 DATE: 11/30/2017 SHEET NO. 44 OF 241 SHEETS  
 SURVEY BY: HEISSER  
 OF JOB NO: 1511-011

**GASTON ROAD**



11/30/2017  
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<b>LEGEND</b>		
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 1.25" EMT	EXISTING UTILITY POLE
UG 1(4") HDPE W/ 3(1.25")HDPE	R/W RIGHT-OF-WAY	PROPOSED PSLW VAULT (24"x36"x24")
FLEX INNERDUCT	EOP EDGE-OF-PAVEMENT	EXISTING VAULT
AIR AERIAL FIBER OPTIC CABLE	FENCE	PULLBOX
CAT5 CAT5 CABLE	RACK LOCATION	MDF LOCATION

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	

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:	DWG#:	KEY MAP: 484 Q
WO#: 100994	JOB#: M0218-7834	DRAWN BY: PJE	DATE: 02/13/2018
APPROVED BY:		DATE:	

SCALE: 1"=70'

PAGE: 1

OF: 3



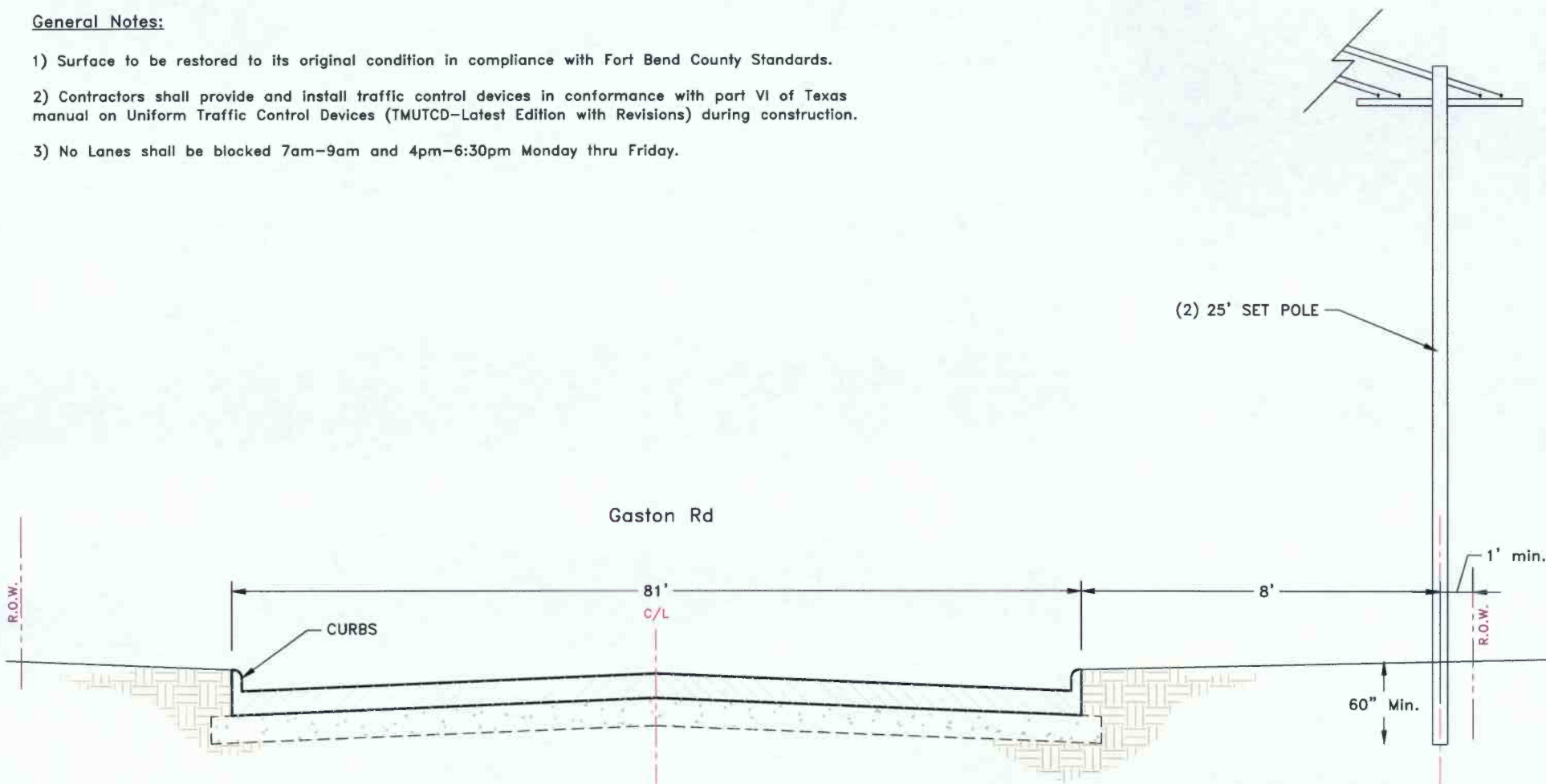


LEGEND			
UG	3(1") HDPE W/ F.O. CABLE	PROPOSED CONDUIT	PSLW SET POLE
UG	3(1.25") HDPE W/ F.O. CABLE	EXISTING CONDUIT	EXISTING SET POLE
UG	1(2") HDPE W/ F.O. CABLE	1.25" EMT	EXISTING UTILITY POLE
UG	1(4") HDPE W/ 3(1.25")HDPE	RIGHT-OF-WAY	PROPOSED PSLW VAULT (24"x36"x24")
	FLEX INNERDUCT	EDGE-OF-PAVEMENT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

		CUSTOMER ID: <b>JOB# M0218-7834</b>	
		CUSTOMER: Notice Of Proposed Utility Installation	
ADDRESS: Gaston Rd		CITY/ZIP: Katy TX 77494	
COUNTY: Fort Bend		KEY MAP: 484 0	
SCALE: 1"=70' PAGE: 2 OF: 3	REVISION#1: PJE REVISION#2: Rev#2 REVISION#3: Rev#3 REVISION#4: Rev#4	DATE: 3/14/2018 DATE: Rev#2 Date DATE: Rev#3 Date DATE: Rev#4 Date	TENANTS: WO#: 100994 APPROVED BY:
		# OF FLOORS: JOB#: M0218-7834 DATE: 02/13/2018	

# General Notes:

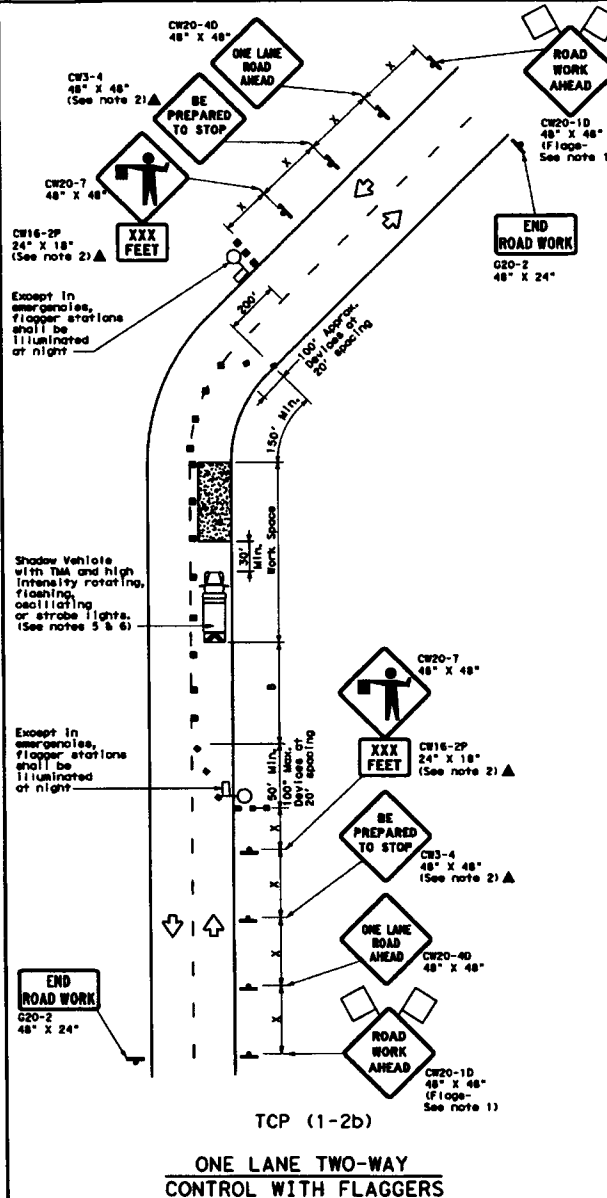
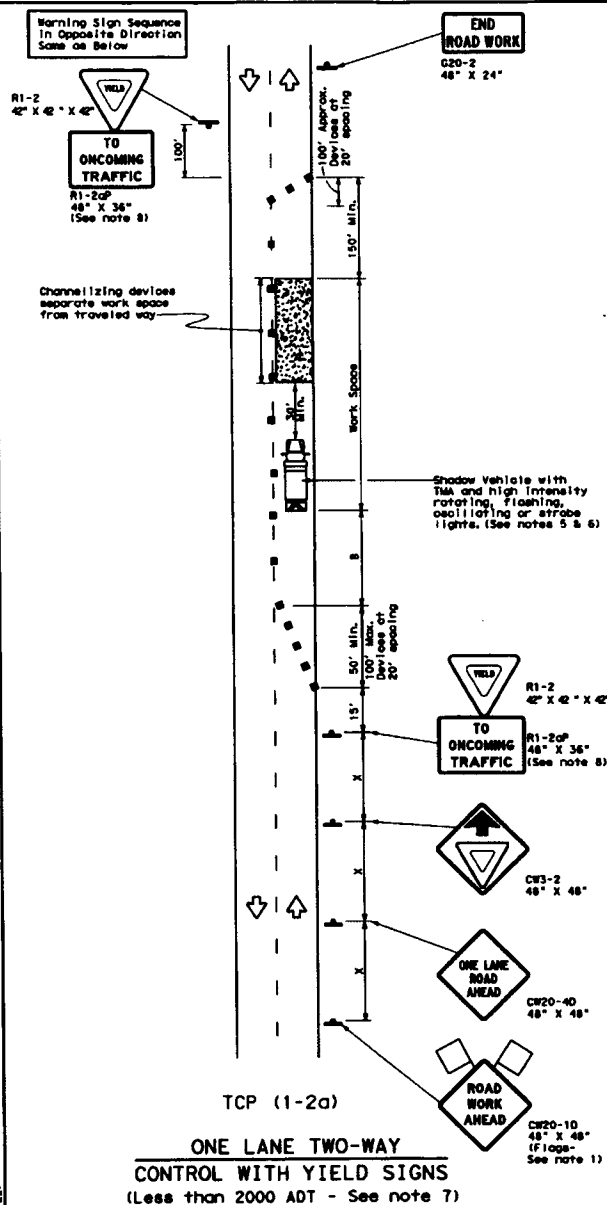
- 1) Surface to be restored to its original condition in compliance with Fort Bend County Standards.
- 2) Contractors shall provide and install traffic control devices in conformance with part VI of Texas manual on Uniform Traffic Control Devices (TMUTCD-Latest Edition with Revisions) during construction.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



<b>LEGEND</b>						<b>Job#</b> M0218-7834	
<b>UG</b> 3(1") PVC W/ F.O. CABLE <b>UG</b> 3(1.25") PVC W/ F.O. CABLE <b>UG</b> 1(2") PVC W/ F.O. CABLE <b>UG</b> 1(4") HDPE W/ 3(1.25")PVC <b>AIR</b> AERIAL FIBER OPTIC CABLE <b>CAT5</b> CAT5 CABLE	<b>PROPOSED CONDUIT</b> <b>EXISTING CONDUIT</b> <b>EMT</b> 1.25" EMT <b>R/W</b> RIGHT-OF-WAY <b>EOP</b> EDGE-OF-PAVEMENT <b>FENCE</b> <b>RACK LOCATION</b>	<b>PSLW SET POLE</b> <b>EXISTING SET POLE</b> <b>EXISTING UTILITY POLE</b> <b>PROPOSED PSLW VAULT (24"x36"x24")</b> <b>EXISTING VAULT</b> <b>PULLBOX</b> <b>MDF LOCATION</b>	<b>SCALE:</b> N.T.S. <b>PAGE:</b> 3 <b>OF:</b> 3	<b>REVISION#1:</b> PJE <b>REVISION#2:</b> Rev2 <b>REVISION#3:</b> Rev3 <b>REVISION#4:</b> Rev4	<b>DATE:</b> 03/14/2018 <b>DATE:</b> Rev2 Date <b>DATE:</b> Rev3 Date <b>DATE:</b> Rev4 Date	<b>CITY/ZIP:</b> Katy, TX 77494 <b>TENANTS:</b> <b>WO#:</b> 100994 <b>APPROVED BY:</b>	<b>COUNTY:</b> Fort Bend <b># OF FLOORS:</b> <b>JOB#:</b> M0218-7834 <b>DRAWN BY:</b> PJE <b>DATE:</b> 02/13/2018

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act", the accuracy of any information contained herein is not guaranteed, and the user assumes all liability for any damages resulting from its use.

DATE: FILE:



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

Posted Speed (mph)	Formula	Minimum Clearance Taper Lengths (ft)	Suggested Maximum Spacing of Channelizing Devices (ft)	Minimum Sign Spacing (ft)	Suggested Longitudinal Buffer Space (ft)	Stopping Sight Distance (ft)
30	L = WS	150' 165' 180'	30' 60' 120'	120'	90'	200'
35	L = WS	205' 225' 245'	35' 70' 140'	140'	120'	250'
40	L = WS	265' 295' 320'	40' 80' 160'	160'	155'	305'
45	L = WS	450' 495' 540'	45' 90' 180'	180'	195'	360'
50	L = WS	500' 550' 600'	50' 100' 200'	200'	240'	425'
55	L = WS	550' 605' 660'	55' 110' 220'	220'	285'	495'
60	L = WS	600' 660' 720'	60' 120' 240'	240'	350'	570'
65	L = WS	650' 715' 780'	65' 130' 260'	260'	410'	645'
70	L = WS	700' 770' 840'	70' 140' 280'	280'	475'	730'
75	L = WS	750' 825' 900'	75' 150' 300'	300'	540'	820'

W = Width of Roadway  
S = Posted Speed (mph)  
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 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 CW20-10 "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 TMA 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 distances 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**

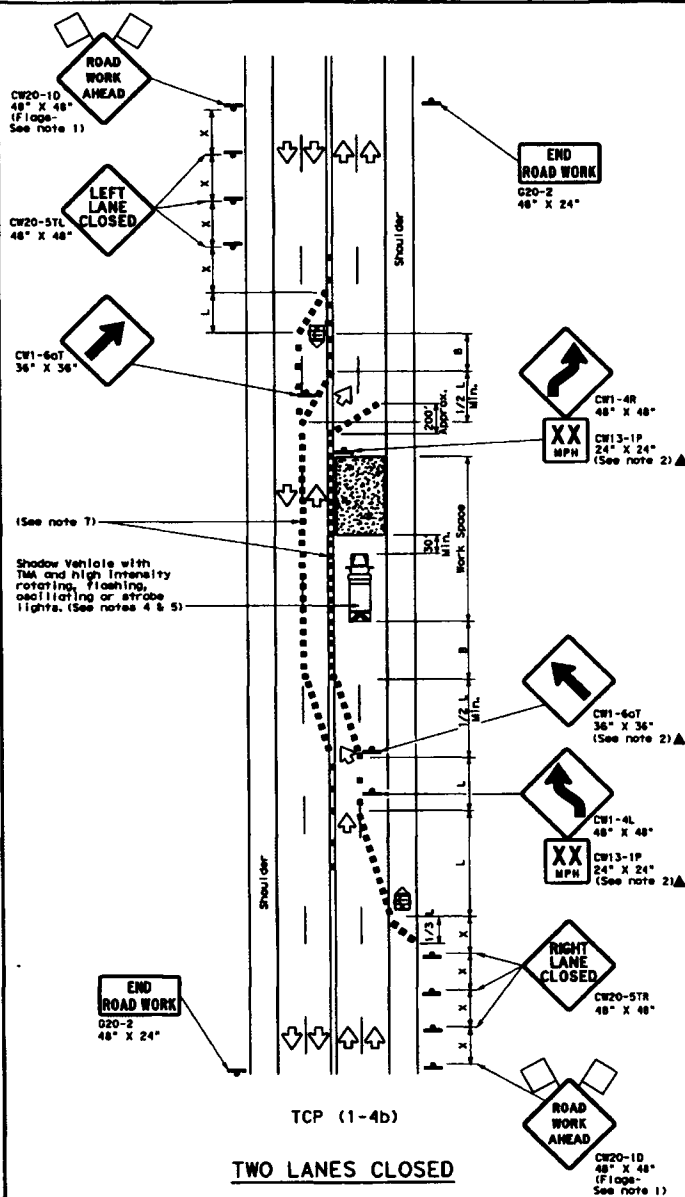
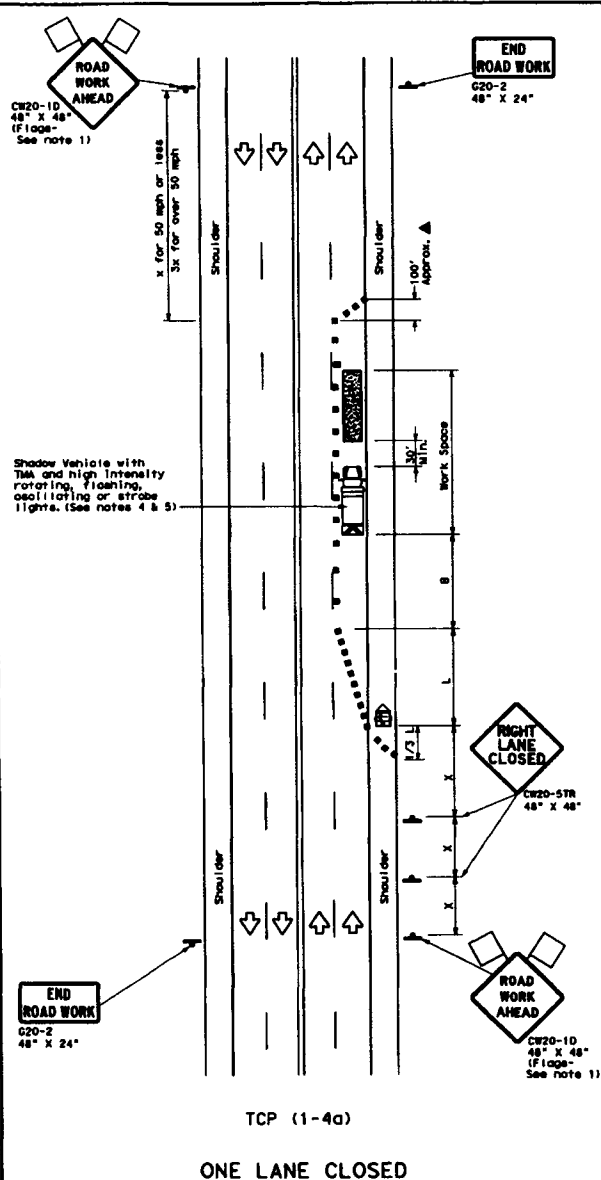
**TCP (1-2)-12**











REV	DATE	BY	CHK	APP	CHK	APP
1-12	1-12					
2-94						
1-97						
4-98						

152



1



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

Posted Speed "M"	Formula	Minimum Desirable Taper Lengths "L"			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing Length "S"	Suggested Minimum Buffer Space "B"
		10'	11'	12'	On a Tangent	On a Tangent		
					On a Tangent	On a Tangent		
30	L = WS <sup>2</sup> 60	150'	185'	180'	30'	50'	120'	90'
40		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L = WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70	70	700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	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**

2. Flare attached to signs where shown are REQUIRED.
3. 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.
4. Advance warning signs to "ROAD WORK AHEAD" shall be used if the visibility of the work zone is less than 1500 feet.
5. 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 at the road work, cones remain, the traffic control to remain in place, Type 3 berms/road edge channelizing devices may be substituted for the Shadow Vehicle and TMA.
5. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

ICP (1-4a)

6. If this TCP is used for a left lane closure, CH20-57L "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)

7. 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 vehicles can be found in the project GENERAL NOTES for Item 502, Barrioles, 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 1x00T December 1965 REV 1530ms		SW THERM	CS- THERM	SW THERM	CS- THERM
2-94	1-12	CONT	SHEET	JOB	MEMORY
8-95					
1-97		BIST	COUNTY		SHEET NO.
4-98					