



**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: 2017-12168

Applicant: PS Light Wave, Inc.

Job Location Site: Bissonnet Street, Houston, TX 77083

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 7th day of March, 2017, Upon Motion of Commissioner Mayer, 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

Presented to Commissioners Court and approved.

By: Charles O. Ay
for County Engineer

Date Recorded 3-13-17 Comm. Court No. 12M

N/A

Clerk of Commissioners Court

By: _____
Drainage District Engineer/Manager

By: Arndt Walter
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: 2017-12168

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:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | a. Name of road, street, and/or drainage ditch affected. |
| <input checked="" type="checkbox"/> | b. Vicinity map showing course of directions |
| <input checked="" type="checkbox"/> | c. Plans and specifications |

(2) BOND:

- | | | | |
|-------------------------------------|--|---------------------|---------------------|
| <input type="checkbox"/> | County Attorney, approval when applicable. | | |
| <input checked="" type="checkbox"/> | Perpetual bond currently posted. | Bond No. [REDACTED] | Amount: \$50,000.00 |
| <input type="checkbox"/> | Performance bond submitted. | Bond No: | Amount: |
| <input type="checkbox"/> | 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. Al


Permit Administrator

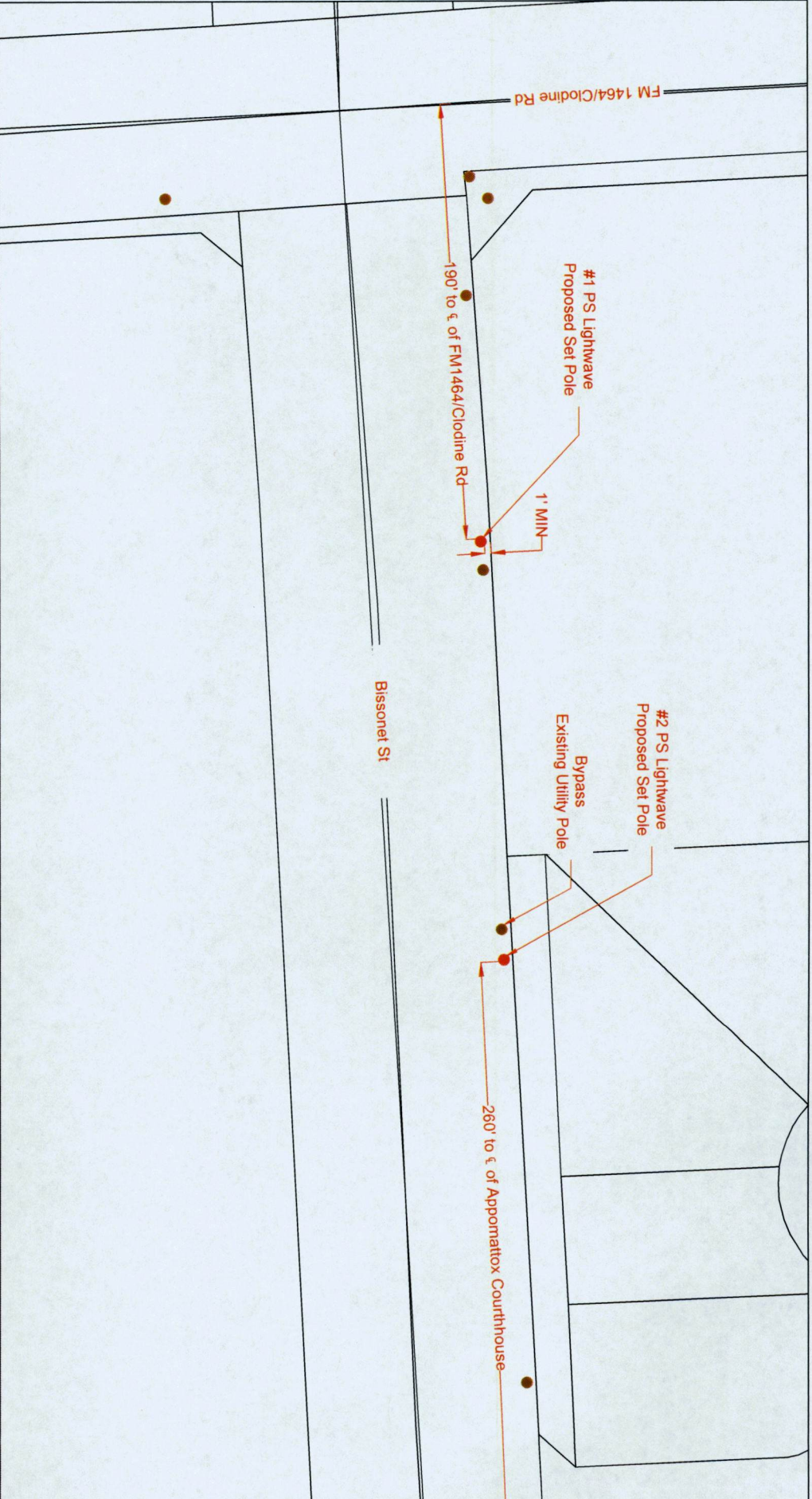
2/27/17

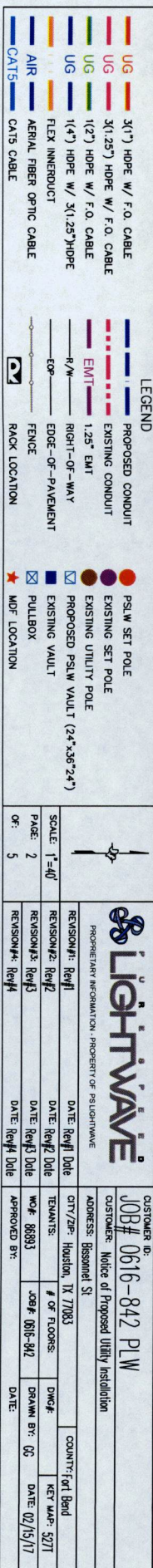
Date

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")
UG	1(4") HOPE W/ 3(1.25")HOPE	EDGE-OF-PAVEMENT	EXISTING VAULT
AIR	AERIAL FIBER OPTIC CABLE	FENCE	PULLBOX
CATS	CATS CABLE	RACK LOCATION	MDF LOCATION

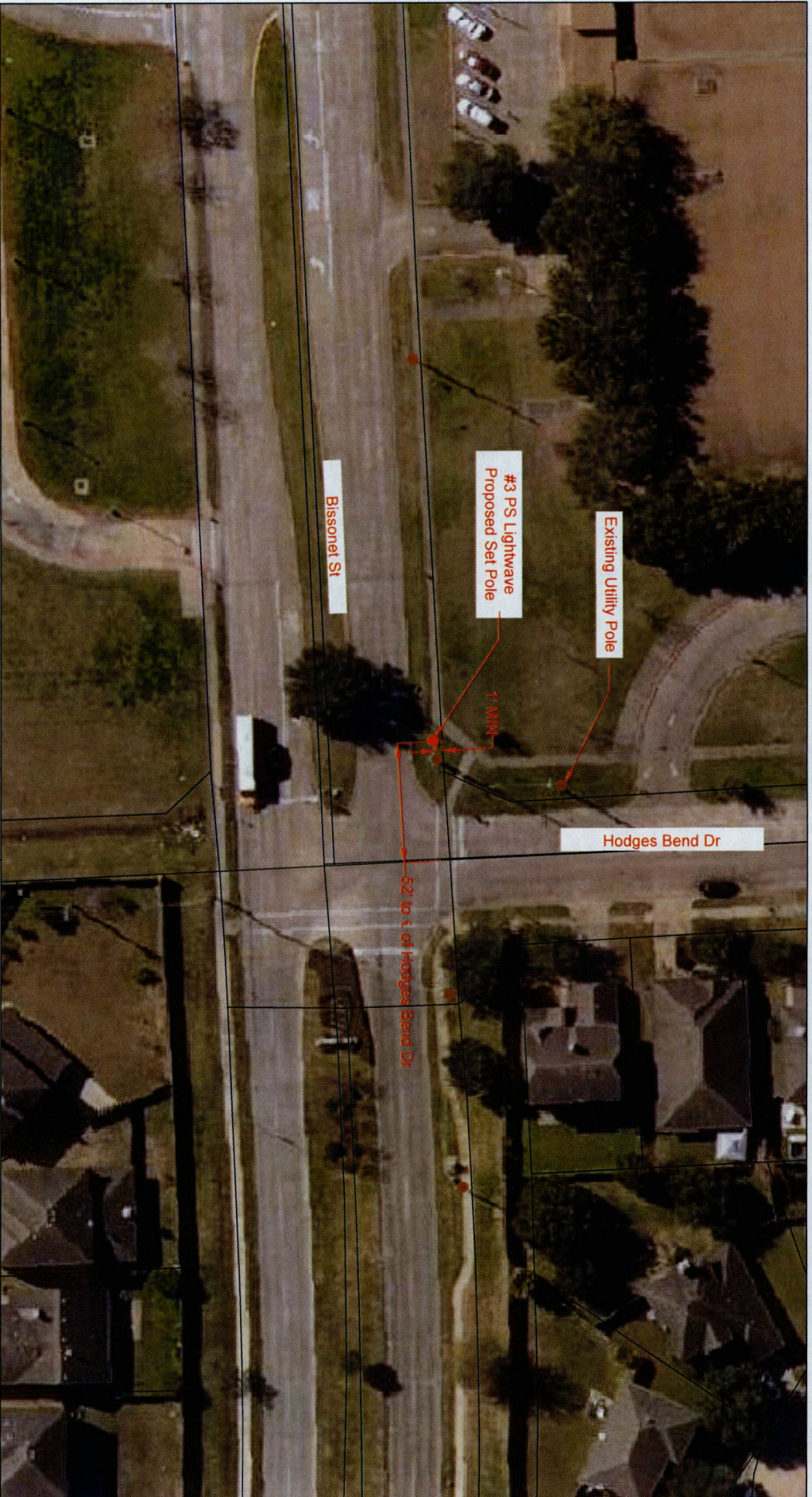
SCALE	1"=40'
PAGE	1
OF	5

			
<small>PROPRIETARY INFORMATION - PROPERTY OF PSLIGHTWAVE</small>			
REVISION#1: Rev#1	DATE: Rev#1 Date	CITY/ZIP: Houston, TX 77063	COUNTY: Fort Bend
REVISION#2: Rev#2	DATE: Rev#2 Date	TENANTS:	KEY MAP: 5271
REVISION#3: Rev#3	DATE: Rev#3 Date	WFO# 88893	JOB# 1016-042
REVISION#4: Rev#4	DATE: Rev#4 Date	APPROVED BY:	DATE: 02/15/17





CUSTOMER ID: JOB# 0616-842 PLW					
CITY/ZIP Houston, TX 77083					
COUNTY Fort Bend					
KEY MAP- 5271					
DATE 02/15/17					
DRAWN BY: GC					
DATE:					
APPROVED BY:					
JCB# 0616-842					
# OF FLOORS:					
DWG#:					
TGC# 06093					
WEIGHTS:					
REVISION#1 Rev1 DATE Rev1 Date					
REVISION#2 Rev2 DATE Rev2 Date					
REVISION#3 Rev3 DATE Rev3 Date					
REVISION#4 Rev4 DATE Rev4 Date					
SCALE: 1"=40'					
PAGE: 1 OF 5					
PROJECT INFORMATION - PROPERTY OR PLANT NAME					
PROMETHEAN LIGHTING					



LEGEND	
	UG 3x(1") HOPE W/ F.O. CABLE
	UG 3x(1.25") HOPE W/ F.O. CABLE
	UG 1(2") HOPE W/ F.O. CABLE
	UG 1(4") HOPE W/ 3x(1.25")HOPE
	PLEX INNERDUCT
	AIR AERIAL FIBER OPTIC CABLE
	CATS CATS CABLE
	PROPOSED CONDUIT
	EXISTING CONDUIT
	EMT 1.25" EMT
	R/W RIGHT-OF-WAY
	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

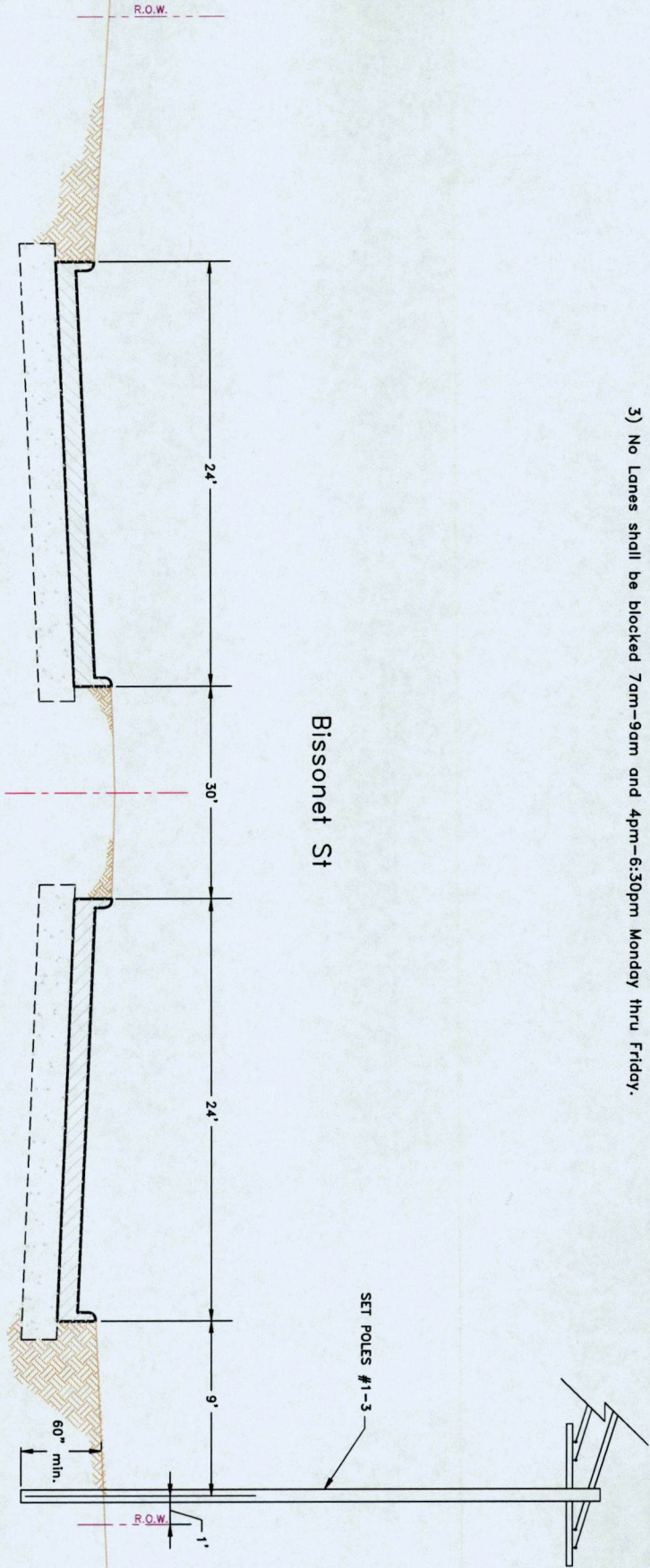
SCALE: 1"=40'
PAGE: 4
OF: 5

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 PLW
CUSTOMER:	Notice of Proposed Utility Installation
ADDRESS:	Bissonnet St
CITY/ZIP:	Houston, TX 77063
TENANTS:	
WOP# 88893	JOB# 0616-842
APPROVED BY:	
DATE:	
COUNTRY:	Int'l Bond
DWG#	
DRAWN BY: CQ	DATE: 02/15/17
KEY MAP: 5271	

General Notes:

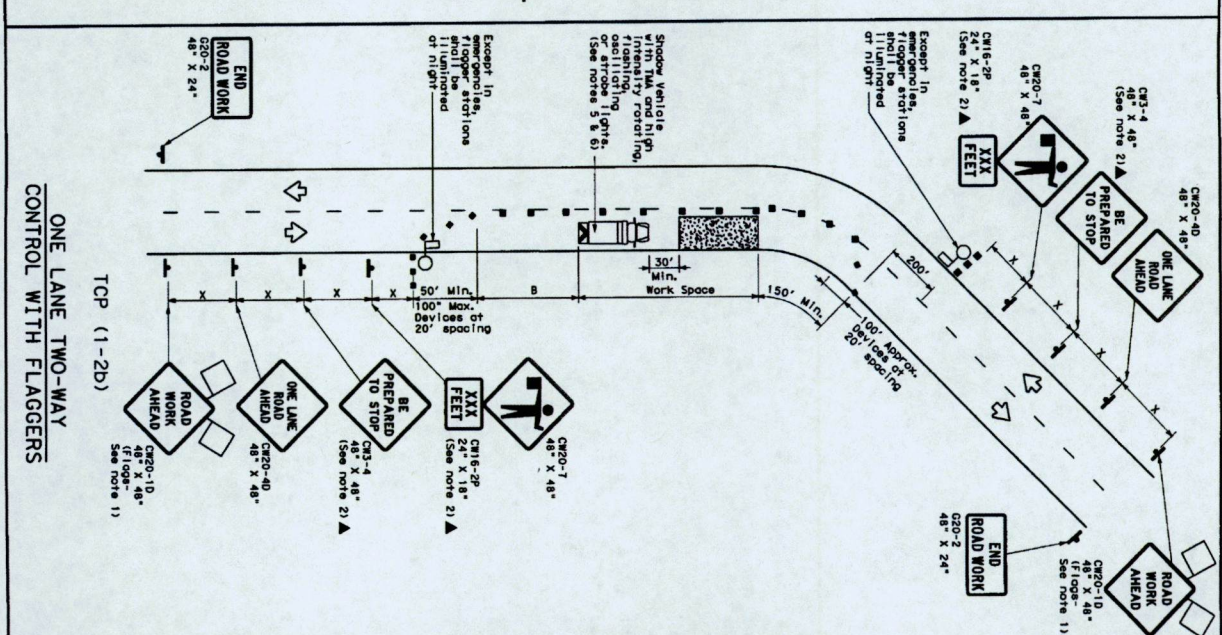
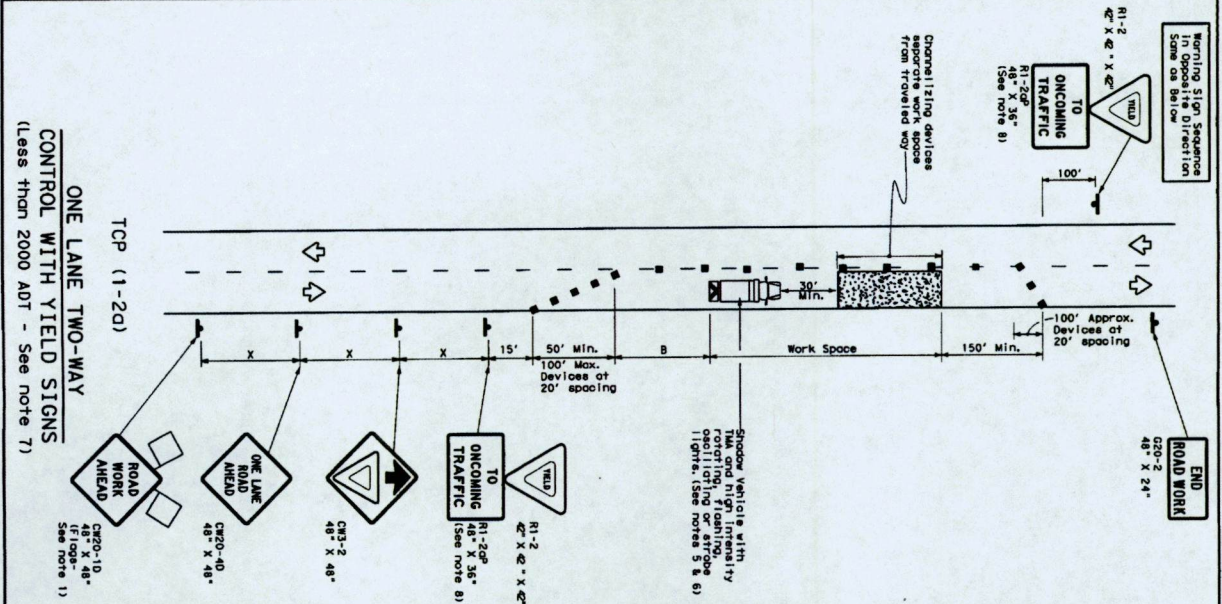
- 1) Surface to be restored to its original condition in compliance with Fort Bend County Standards.
- 2) Contractors shall provide and install traffic control devices in conformance with part VI of Texas manual on Uniform Traffic Control Devices (TMUTCD—Latest Edition with Revisions) during construction.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











LEGEND	
UG	3x17 HOPE W/ F.O. CABLE
UG	3x1.25 HOPE W/ F.O. CABLE
UG	1/2 HOPE W/ F.O. CABLE
UG	1/4 HOPE W/ 3x1.25 HOPE
UG	FLEX INNERDUCT
AIR	AERIAL FIBER OPTIC CABLE
CATS	CATS CABLE
---	PROPOSED CONDUIT
---	EXISTING CONDUIT
---	1.25" EMT
---	RIGHT-OF-WAY
---	EDGE-OF-PAVEMENT
---	FENCE
---	RAIL LOCATION
●	PSLW SET POLE
●	EXISTING SET POLE
●	EXISTING UTILITY POLE
□	PROPOSED PSLW VAULT (24"x36"x24")
□	EXISTING VAULT
□	PULLBOX
★	MDF LOCATION

PROPRIETARY 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: 5
OF: 5	
JOB# 0616-842 PLW Description: Notice of Proposed Utility Installation ADDRESS: Bissonet St CITY/ZIP: Houston, TX 77063 TENANTS: _____ WQ# 88893 JOB# 0616-842 DATE: _____ APPROVED BY: _____ COUNTY: Fort Bend KEY MAP: 5271 DATE: 02/15/17	

DATE:
FILE:



LEGEND		
=====	Type 3 Barrier/Node	■ ■ ■ Channelizing Devices
	Heavy Work Vehicle	 Motor (Motorized) Vehicle (MVA)
	Trailer Mounted Flaming Arrow Board	 Pedestrian Sign (P.S.)
	A Sign	 Traffic Flow
	F100	 Flagman

Prepared Spooled Formulas	h	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'	25'	26'	27'	28'	29'	30'	31'	32'	33'	34'	35'	36'	37'	38'	39'	40'	41'	42'	43'	44'	45'	46'	47'	48'	49'	50'	51'	52'	53'	54'	55'	56'	57'	58'	59'	60'	61'	62'	63'	64'	65'	66'	67'	68'	69'	70'	71'	72'	73'	74'	75'	76'	77'	78'	79'	80'	81'	82'	83'	84'	85'	86'	87'	88'	89'	90'	91'	92'	93'	94'	95'	96'	97'	98'	99'	100'	101'	102'	103'	104'	105'	106'	107'	108'	109'	110'	111'	112'	113'	114'	115'	116'	117'	118'	119'	120'	121'	122'	123'	124'	125'	126'	127'	128'	129'	130'	131'	132'	133'	134'	135'	136'	137'	138'	139'	140'	141'	142'	143'	144'	145'	146'	147'	148'	149'	150'	151'	152'	153'	154'	155'	156'	157'	158'	159'	160'	161'	162'	163'	164'	165'	166'	167'	168'	169'	170'	171'	172'	173'	174'	175'	176'	177'	178'	179'	180'	181'	182'	183'	184'	185'	186'	187'	188'	189'	190'	191'	192'	193'	194'	195'	196'	197'	198'	199'	200'	201'	202'	203'	204'	205'	206'	207'	208'	209'	210'	211'	212'	213'	214'	215'	216'	217'	218'	219'	220'	221'	222'	223'	224'	225'	226'	227'	228'	229'	230'	231'	232'	233'	234'	235'	236'	237'	238'	239'	240'	241'	242'	243'	244'	245'	246'	247'	248'	249'	250'	251'	252'	253'	254'	255'	256'	257'	258'	259'	260'	261'	262'	263'	264'	265'	266'	267'	268'	269'	270'	271'	272'	273'	274'	275'	276'	277'	278'	279'	280'	281'	282'	283'	284'	285'	286'	287'	288'	289'	290'	291'	292'	293'	294'	295'	296'	297'	298'	299'	300'	301'	302'	303'	304'	305'	306'	307'	308'	309'	310'	311'	312'	313'	314'	315'	316'	317'	318'	319'	320'	321'	322'	323'	324'	325'	326'	327'	328'	329'	330'	331'	332'	333'	334'	335'	336'	337'	338'	339'	340'	341'	342'	343'	344'	345'	346'	347'	348'	349'	350'	351'	352'	353'	354'	355'	356'	357'	358'	359'	360'	361'	362'	363'	364'	365'	366'	367'	368'	369'	370'	371'	372'	373'	374'	375'	376'	377'	378'	379'	380'	381'	382'	383'	384'	385'	386'	387'	388'	389'	390'	391'	392'	393'	394'	395'	396'	397'	398'	399'	400'	401'	402'	403'	404'	405'	406'	407'	408'	409'	410'	411'	412'	413'	414'	415'	416'	417'	418'	419'	420'	421'	422'	423'	424'	425'	426'	427'	428'	429'	430'	431'	432'	433'	434'	435'	436'	437'	438'	439'	440'	441'	442'	443'	444'	445'	446'	447'	448'	449'	450'	451'	452'	453'	454'	455'	456'	457'	458'	459'	460'	461'	462'	463'	464'	465'	466'	467'	468'	469'	470'	471'	472'	473'	474'	475'	476'	477'	478'	479'	480'	481'	482'	483'	484'	485'	486'	487'	488'	489'	490'	491'	492'	493'	494'	495'	496'	497'	498'	499'	500'	501'	502'	503'	504'	505'	506'	507'	508'	509'	510'	511'	512'	513'	514'	515'	516'	517'	518'	519'	520'	521'	522'	523'	524'	525'	526'	527'	528'	529'	530'	531'	532'	533'	534'	535'	536'	537'	538'	539'	540'	541'	542'	543'	544'	545'	546'	547'	548'	549'	550'	551'	552'	553'	554'	555'	556'	557'	558'	559'	560'	561'	562'	563'	564'	565'	566'	567'	568'	569'	570'	571'	572'	573'	574'	575'	576'	577'	578'	579'	580'	581'	582'	583'	584'	585'	586'	587'	588'	589'	590'	591'	592'	593'	594'	595'	596'	597'	598'	599'	600'	601'	602'	603'	604'	605'	606'	607'	608'	609'	610'	611'	612'	613'	614'	615'	616'	617'	618'	619'	620'	621'	622'	623'	624'	625'	626'	627'	628'	629'	630'	631'	632'	633'	634'	635'	636'	637'	638'	639'	640'	641'	642'	643'	644'	645'	646'	647'	648'	649'	650'	651'	652'	653'	654'	655'	656'	657'	658'	659'	660'	661'	662'	663'	664'	665'	666'	667'	668'	669'	670'	671'	672'	673'	674'	675'	676'	677'	678'	679'	680'	681'	682'	683'	684'	685'	686'	687'	688'	689'	690'	691'	692'	693'	694'	695'	696'	697'	698'	699'	700'	701'	702'	703'	704'	705'	706'	707'	708'	709'	710'	711'	712'	713'	714'	715'	716'	717'	718'	719'	720'	721'	722'	723'	724'	725'	726'	727'	728'	729'	730'	731'	732'	733'	734'	735'	736'	737'	738'	739'	740'	741'	742'	743'	744'	745'	746'	747'	748'	749'	750'	751'	752'	753'	754'	755'	756'	757'	758'	759'	760'	761'	762'	763'	764'	765'	766'	767'	768'	769'	770'	771'	772'	773'	774'	775'	776'	777'	778'	779'	780'	781'	782'	783'	784'	785'	786'	787'	788'	789'	790'	791'	792'	793'	794'	795'	796'	797'	798'	799'	800'	801'	802'	803'	804'	805'	806'	807'	808'	809'	810'	811'	812'	813'	814'	815'	816'	817'	818'	819'	820'	821'	822'	823'	824'	825'	826'	827'	828'	829'	830'	831'	832'	833'	834'	835'	836'	837'	838'	839'	840'	841'	842'	843'	844'	845'	846'	847'	848'	849'	850'	851'	852'	853'	854'	855'	856'	857'	858'	859'	860'	861'	862'	863'	864'	865'	866'	867'	868'	869'	870'	871'	872'	873'	874'	875'	876'	877'	878'	879'	880'	881'	882'	883'	884'	885'	886'	887'	888'	889'	890'	891'	892'	893'	894'	895'	896'	897'	898'	899'	900'	901'	902'	903'	904'	905'	906'	907'	908'	909'	910'	911'	912'	913'	914'	915'	916'	917'	918'	919'	920'	921'	922'	923'	924'	925'	926'	927'	928'	929'	930'	931'	932'	933'	934'	935'	936'	937'	938'	939'	940'	941'	942'	943'	944'	945'	946'	947'	948'	949'	950'	951'	952'	953'	954'	955'	956'	957'	958'	959'	960'	961'	962'	963'	964'	965'	966'	967'	968'	969'	970'	971'	972'	973'	974'	975'	976'	977'	978'	979'	980'	981'	982'	983'	984'	985'	986'	987'	988'	989'	990'	991'	992'	993'	994'	995'	996'	997'	998'	999'	1000'
---------------------------------	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------

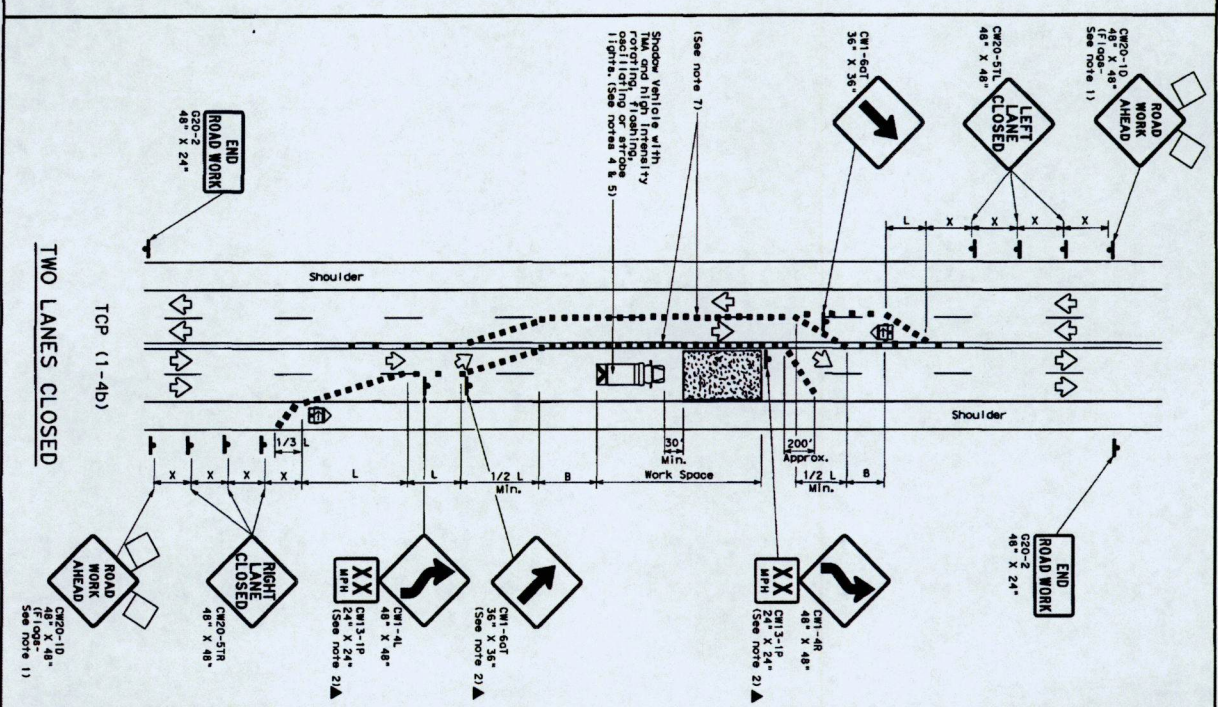
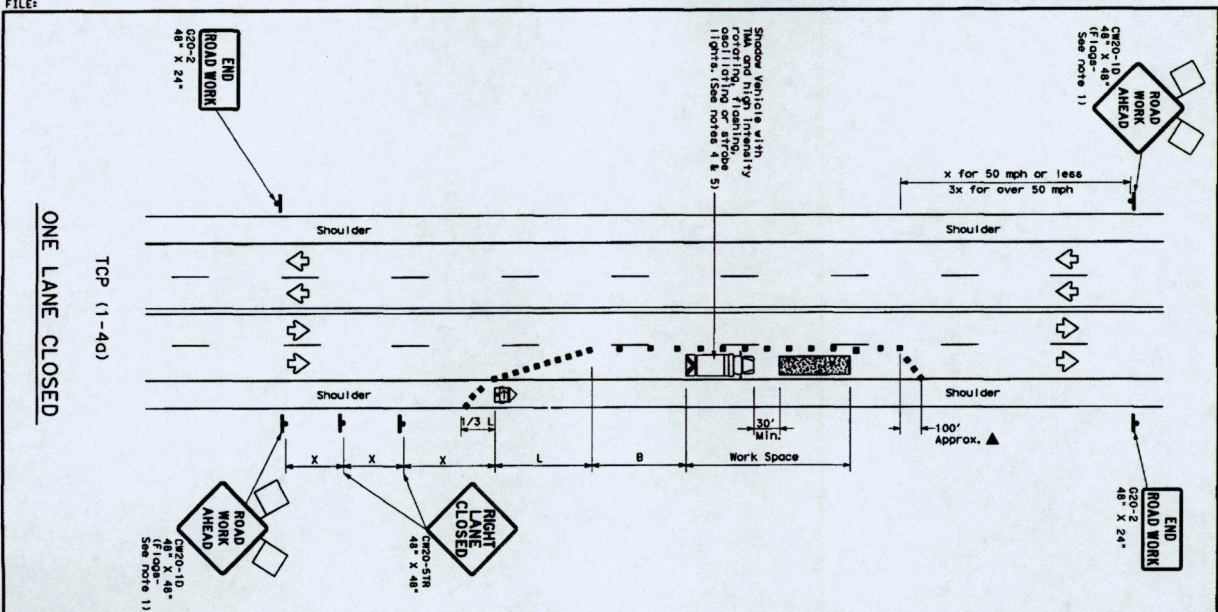
✱ Paper lengths have been rounded off.
L=length of Paper (ft) W=width of Offset (ft) S=Sheet Speed (LPH)

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

GENERAL NOTES

1. Flood gates should be closed when shown as REQUIRED.
 2. All traffic control devices illustrated are REQUIRED, except those denoted with the maintenance word, when approved by the Engineer.
 3. The CDS-4 "BE PREPARED TO STOP" sign may be installed after the CDS-20 "ONE LANE AHEAD" sign, but proper sign spacing shall be maintained.
 4. 5100 Series "STOP" signs shall be used when the "STOP" sign is less than 1500 feet from the intersection.
 5. In "Shadow Vehicle" with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the intersection and should be used anytime it is obstructing the view of the intersection.
 6. The "STOP" sign should be used when the vehicle is in the intersection of the traffic control to remain in place, Type 3 barricades or other channelizing devices may be substituted for the "Shadow Vehicle" and TMA.
 7. In "Shadow Vehicle" with a TMA should be used when the vehicle is in the intersection of the traffic control to remain in place, Type 3 barricades or other channelizing devices may be substituted for the "Shadow Vehicle" and TMA.
 8. Those signs in order to protect left turn pockets.
- TCP (1-28)
7. If a "YIELD" sign traffic control may be used on streets with approaches that have dangerous sight distances. 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 400 feet.
 8. In "Shadow Vehicle" with a TMA should be used when the vehicle is in the intersection of the traffic control to remain in place, Type 3 barricades or other channelizing devices may be substituted for the "Shadow Vehicle" and TMA.
 9. Those signs in order to protect left turn pockets.
- TCP (1-29)
10. Length of work zones should be based on the ability of flaggers to communicate.
 11. If the work zones 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.
 12. Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
 13. Flaggers should use 24" STOP/GO paddles to control traffic. Flag should be held to one side or the other.
 14. Those signs in order to protect left turn pockets.

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.



LEGEND	
	Type 3 Barricade
	Heavy Work Vehicle
	Trailer Mounted Flaming Arrow Board
	Sign
	Flag
	Channelizing Device
	Truck Mounted Attenuation (TMA)
	Slow Moving Vehicle (SMV)
	Message Sign (MS)
	Traffic Flow
	Flag

Ported Formals	Descriptive Toper Lengths	Suggested Loc Item Channelizing	Sign Longitudinal Spacing ft.	Suggested Longitudinal Spacing ft.
30	150', 160', 180'	30', 60'	120'	90'
35	150', 205', 225', 245'	35', 70'	140'	120'
40	205', 225', 245'	40', 80'	160'	135'
45	250', 295', 350'	45', 90'	320'	195'
50	450', 495', 540'	50', 100'	400'	240'
55	550', 595', 650'	55', 110'	500'	295'
60	650', 695', 750'	60', 120'	600'	350'
65	715', 760'	65', 130'	700'	410'
70	770', 840'	70', 140'	800'	475'
75	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)

L=Length of Taper (FT) W=Width of OF

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

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

GENERAL NOTES


- [illegible]

TCP (1-40)

6. If the **TCF** is used for a left lane closure, **OR**do **5th**, **LEFT LANE CLOSED** and **OR**do **6th**, **RIGHT LANE CLOSED** signs. The **OR**do signs are placed on the centerline where needed to protect the work space from the approaching traffic. The **OR**do panel placed in the closed lane near the end of the merging taper.
- 1CP 1 (1-bb)**
7. Where **TCF** is directed over a yellow centerline, channelizing devices are placed on the centerline at 100 ft intervals. The **OR**do **5th**, **LEFT LANE CLOSED** if posted signs are 35 ft apart or should be placed at the beginning of the taper where **S** is the speed in mph. This **100 ft** device spacing is intended for the areas of conflicting maneuvers, not the entire work zone.

TCP (1-4b)

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



Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN

LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS

TCP (1-4) - 12

① ROUTE DESCRIPTION		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374
---------------------	--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------