

Charly O. A

Permit Administrator

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@fortbendcountytx.gov

12/8/2017

Date

Х	Right of Way Permit
	Commercial Driveway Permi
Dorr	nit No: 2017-17221

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 Bond No: Amount: \$50,000.00 posted. 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.



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

Х	Right of Way Permit
	Commercial Driveway Permit
Dorr	nit No. 2017 17221

		Permit No: 2	2017-17221						
Appl	licant: AT&T 1	exas/Black & Veatch							
Job	Location Site:	15103 Gaines Meadow Co	urt, Houston,	TX 77083					
Bone	d No.	Date of Bond:	11/28/2017	_Amount:	\$50,000.00				
Layir Road Com Texa	ng, Construction, Is, Streets, Highw missioners Court s, of the Minutes	came to make use of certain Maintenance, and Repair of vays, and Drainage Ditches in of Fort Bend County, Texas, of the Commissioners Cour pter 181, Vernon's Texas Sta	f Buried Cables n Fort Bend Co ," as passed by t of Fort Bend	, Conduits, and I unty, Texas, Und the Commission County, Texas, t	Pole Lines, In, Under, Acr der the Jurisdiction of the ners Court of Fort Bend C	oss or Along ounty,			
Note 1. 2.	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.								
Com notic	missioner te of said above p	ecember, 2017, Upon Motio , duly purpose is hereby acknowled aced on record according to	y put and carried ged by the Co	ed, it is ORDEREI mmissioners Co	D, ADJUDGED AND DECRI				
Signa	ature		Prese	nted to Commis	ssioners Court and appro	ved.			
Ву:	Charly O. County Engineer	1	Date	Recorded	Comm. Court No				
By:	N/A		Clerk By:	of Commissione	ers Court				
,	Drainage Distric	ct Engineer/Manager		 Deputy		-			

BLACK & VEATCH

DESIGN ENGINEER CONTACT: BRENT MUNN

BLACK & VEATCH

(913) 458-7432

MÙNNB@BV.COM

FORT BEND COUNTY

SHOWN ON PRINT: 20

PERMIT: 1

FORT BEND COUNTY NOTIFICATION

WORK DONE IN FORT BEND COUNTY RIGHT OF WAY - PRINT FOR INFORMATIONAL PURPOSES ONLY

6203 **FORWARDED**

PERMIT

REQUIRED

NORTH ARROW

OPERATING RANGE OF JOB STEPS

TASK ____

TO ____

MFRC

TRANSMISSION ZONE RZ 0 CZ 0 TAPER CODE 4326LB

CAUTION HIGH VOLTAGE

BURIED N aerial <mark>N</mark>

HIGHWAY PERMIT NO.

Utility CO CENT - CENTER POINT

REP NAME REP TEL NO. (713) 207-2222

POLE CONTACTS (+) 0

Utility CO RFP NAME

REP TEL NO. POLE CONTACTS (+)

Utility CO REP NAME

REP TEL NO. POLE CONTACTS (+)

 $(-)_{0}$

 $(-)_{0}$

 $(-)_{0}$

PROJECT NO AOOXCLY

TOT.PRINTS 22

PRINT NO. 20 PRT:281498 NPA/NNX: 281-498

EXCH. ALIEF

TAX DIST. FG109

GEO LOC. W85498

ENGR. SK DRAWNCD

TELEPHONE NO. (281) 298-5803

REC. REF.

MAP REF.

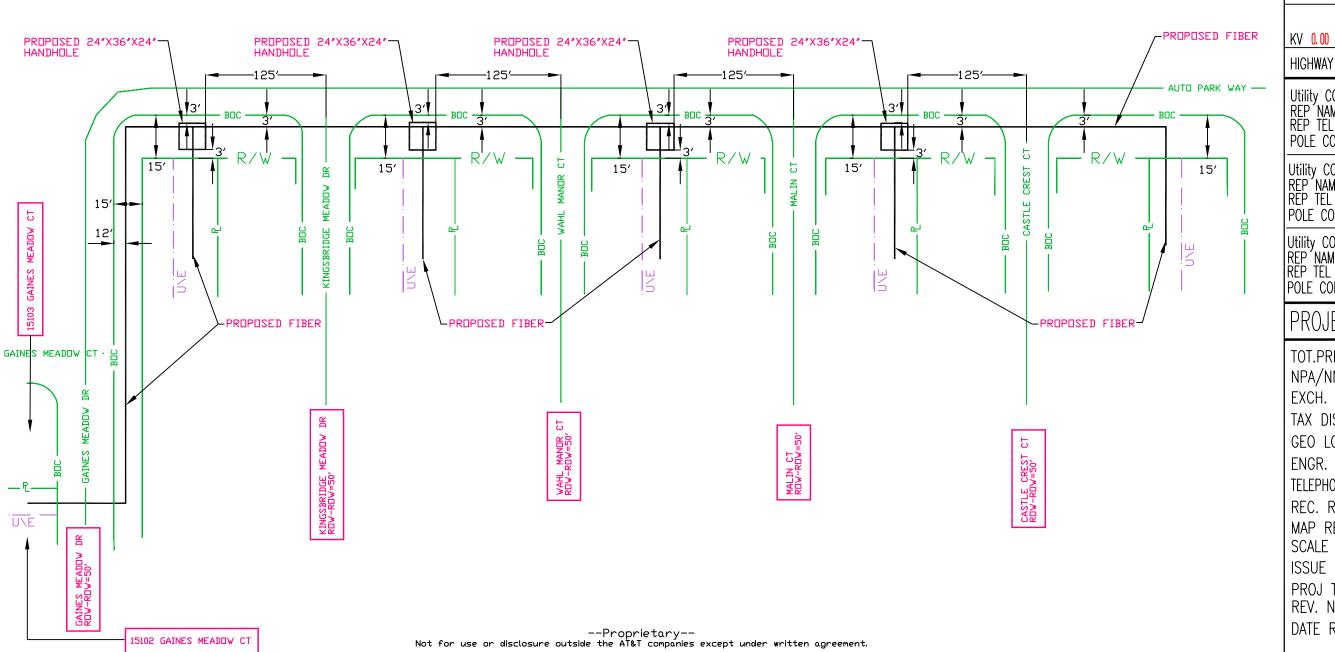
SCALE NONE

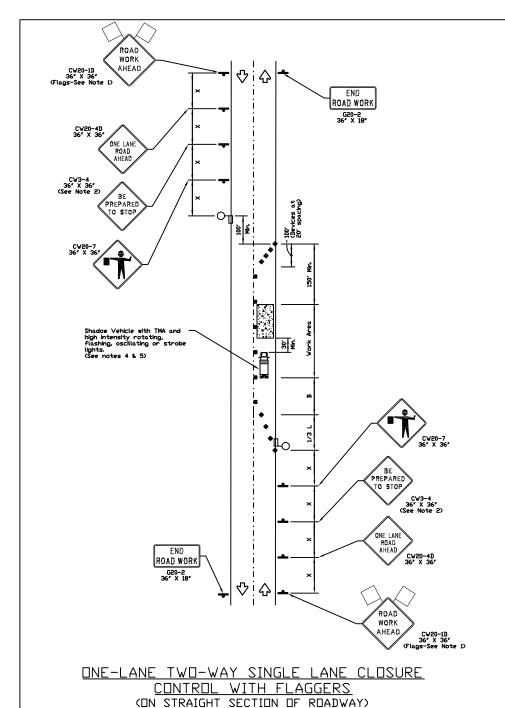
ISSUE DATE

PROJ TITLE LIGHTGIG-4326LB-DIST-AF

REV. NUMBER 1

DATE REV. 11/15/2017





NO.

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TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

RDADWAY	POSTED SPEED	TAPER LENGTH	SPACING CHANNELIZING DEVICES		SIGN SPACING	BUFFER SPACE	
	0, 222		TAPER	TANGENT	0, 1102.10	0	
CASTLE CREST CT	30	180′	30′	60′	120′	90′	
MAIN CT	30	180′	30,	60′	120′	90′	
WAHL MANOR CT	30	180′	30,	60′	120′	90`	
KINGSBRIDGE MEADOW DR	30	180′	30′	60′	120′	90′	
GAINES MEADOW DR	30	180′	30′	60′	120′	90′	

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

Posted Speed	Formula	l Desirable I			Spaci Chanr	ed Maximum ing of nelizing ices	Minimum Sign Spacing "X"	Suggested Longitudinal Buffer Spac
*		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent	Distance	'B'
30	2	150′	165′	180'	30′	60′	120′	90′
35	L= <u>VS²</u>	205′	225′	245'	35′	70′	160′	120′
40	60	265′	295′	320′	40′	80′	240'	155′
45		450′	495′	540′	45′	90′	320′	195′
50		500°	550′	600'	50′	100'	400′	240'
55	L=VS	550′	605′	660′	55'	110'	500°	295′
60	L-#0	600′	660'	720′	60'	120′	600′	350′
65		650′	715′	780′	65′	130′	700′	410′
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)

GENERAL NOTES

GENERAL NOTES

1. Flags attached to signs where shown are DPTIDNAL.
2. All traffic control devices illustrated are REUIRED, except those
3. Inactive work vehicles on other equipment should be parked near the
right-of-way line and not parked on the paved shoulder.
4. 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
charmelizing devices may be substituted for the Shadow Vehicle and TMA.
Additional Shadow Vehicles with TMA may be positioned with the paved
5. Contractor shall provide and install traffic control devices in spaces.
6. Contractor shall provide and install traffic control devices in Spaces.
7. Flaggers should use two-way radios or other nethods of communication
to control traffic.
8. Length of work space should be based on the ability of flaggers to
communicate.
9. If the work space is located near horizontal or vertical curve, the
with the stances should be increased in order to maintain adequate
vehicles (see table above).
10. Channelizing devices on the center-line may be onitted when a pilot car
is leading traffic and approved by the Engineer.
11. Flaggers should use 24' STIDP/SLDV paddles to control traffic. Flags
should be limited to energency situations.
12. No lanes shall be blocked fron 7an to 9an and 4pn to 6:30pn Monday
thru Friday.
13. Finder of the properties of the properties of the properties of the payment of the project is sithin 400 feet fron a signalized intersection, the
Contractor shall contact Harris County Engineering Department, Traffic
Signal Maintenance at (713) 881-3210 five (5) days prior to the start of
construction.

	_				
REVISIONS	DATE	NAME			FOR INTERIM REVIEW ONLY
UPDATED DEPARTMENT NAME & GENERAL NOTES	4/16/15	BSH	CODT DEND COLINITY		DOCUMENT INCOMPLETE:
			FURI BEND COUNT		NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES
			CNOINICEDINO DEDADIMENT		
			ENGINEERING DEPARIMENT		ENGINEER: NAME P.E. SERIAL No. NUMBER
					DATE: / /

PROJECT TITLE:

DRAWN BY: BSH		HCED
CK'D BY:	SHEET DESCRIPTION:	STANDARD
BSH	TRAFFIC CONTROL PLAN (ONE-LANE, TWO-WAY OPERATION)	39
SCALE: N.T.S.		SHEET NO:
DATE:	APPROVED BY:	/
6/26/14		,

SPECIAL CIRCUITS 6203 **FORWARDED**

PERMIT **REQUIRED**



OPERATING RANGE OF JOB STEPS

TO TASK ____

MFRC

TRANSMISSION ZONE

RZ 0 CZ O TAPER CODE 4326LB

> CAUTION HIGH VOLTAGE BURIED N aerial N

KV 7.20

HIGHWAY PERMIT NO.

Utility CO CENT - CENTER POINT RFP NAME

REP TEL NO. (713) 207-2222 POLE CONTACTS (+) 0

Utility CO

RFP NAME REP TEL NO.

POLE CONTACTS (+)

Utility CO REP'NAME

REP TEL NO. POLE CONTACTS (+)

 $(-)_{0}$

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TOT.PRINTS 22

PRINT NO. 23 PRT:281498

EXCH. ALIEF

TAX DIST. FG109

NPA/NNX: 281-498

GEO LOC. W85498

ENGR. SK DRAWNCD

TELEPHONE NO. (281) 298-5803

REC. REF. 240-285-53

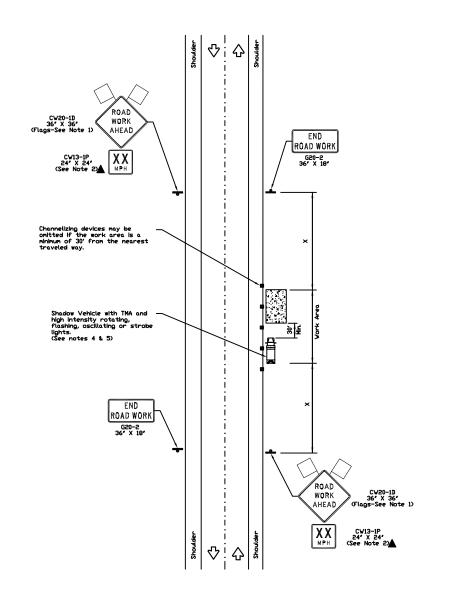
MAP REF.

SCALE NONE

ISSUE DATE

PROJ TITLE LIGHTGIG-4326LB-DIST-AF REV. NUMBER 1

DATE REV.



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

RDADWAY	POSTED SPEED	TAPER LENGTH	CHANNE	CING LIZING ICES	SIGN SPACING	BUFFER
	J		TAPER	TANGENT		
OLD ADDICKS-HOWELL RD	45	540′	45′	90′	350,	195′
AUTO PARK WAY	30	180′	30′	60′	120′	90′
GAINES MEADOW DR	30	180′	30′	60′	120′	90′

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

Posted Speed	Formula	D	Minimum lesirabl r Leng * *		Spaci Chanr	ed Maximum ing of nelizing ices	Minimum Sign Spacing "X"	Suggested Longitudinal Buffer Space	
-		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent	Distance	'B'	
30	. vs²	150′	165′	180'	30′	60′	120′	90′	
35	L= VS	205′	225′	245′	35′	70′	160'	120′	
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45		450′	495′	540′	45′	90′	320′	195′	
50		500°	550′	600′	50′	100'	400'	240′	
55	L=VS	550′	605′	660′	55°	110′	500°	295′	
60	L-#0	600'	660′	720′	60'	120′	600'	350′	
65		650′	715′	780′	65′	130′	700′	410′	
70		700′	770′	840'	70′	140′	800,	475′	
75		750′	825'	900°	75′	150′	900'	540′	

** Taper lengths have been rounded off.

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

GENERAL NOTES

1. Flags attached to signs where shown are OPTIONAL.
2. All traffic control devices illustrated are REGUIRED, except those denoted with the triangle symbol are DPTIONAL.
3. Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
4. A Shadow Vehicle with a TMA should be used anyther 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 renal in place, Type 3 the Shadow Vehicle and TMA in the Shadow vehicle and TMA in the Shadow vehicle and TMA the shadow vehicle and TMA the shadow vehicle and TMA the paved surface, next to those shown in order to protect wider work spaces.
5. Contractor shall provide and install traffic control devices in conformance with part VI of Texas Manual on Uniforn Traffic Control Devices (TMUTCD - Latest edition with revisions) during construction.
7. No lanes shall be blocked during construction.
8. If project is within 400 feet from a signalized intersection, the Contractor shall contact harris Country Engineering Department, Traffic Signal Matterance at (713) 881-3210 five (5) days prior to the start of construction.

WORK SPACE NEAR SHOULDER

NO.	REVISIONS	DATE	NAME			FOR INTERIM REVIEW ONLY
Λ	UPDATED DEPARTMENT NAME & GENERAL NOTES	4/16/15	BSH	CODT DEND COLLISTY		DOCUMENT INCOMPLETE:
				FURI BEND COUNT		NOT INTENDED FOR CONSTRUCTION,
						BIDDING, OR PERMIT PURPOSES
				ENGINEERING DEPARTMENT		ENGINEER: NAME P.E. SERIAL No. NUMBER
						DATE: / /

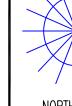
PROJECT TITLE:

DRAWN BY: BSH		HCED STANDARD
CK'D BY: BSH	SHEET DESCRIPTION: TRAFFIC CONTROL PLAN (SHOULDER WORK)	38
SCALE: N.T.S.		SHEET NO:
DATE: 6/26/14	APPROVED BY:	/

SPECIAL CIRCUITS

6203 **FORWARDED**

PERMIT **REQUIRED**



NORTH ARROW

OPERATING RANGE OF JOB STEPS

TO ____ TASK _____

MFRC

TRANSMISSION ZONE

RZ 0 CZ O TAPER CODE 4326LB

CAUTION HIGH VOLTAGE BURIED N KV 7.20 AERIAL N

HIGHWAY PERMIT NO.

Utility CO CENT - CENTER POINT RFP NAME

| REP TEL NO. (713) 207-2222 POLE CONTACTS (+)0

Utility CO REP NAME

REP TEL NO. POLE CONTACTS (+) $(-)_{0}$

Utility CO REP NAME

REP TEL NO. POLE CONTACTS (+)

 $(-)_{0}$

 $(-)_{0}$

TOT.PRINTS 22

PRINT NO. 24

NPA/NNX: 281-498 PRT:281498

EXCH. ALIEF TAX DIST. FG109

GEO LOC. W85498

ENGR. SK DRAWNCD

TELEPHONE NO. (281) 298-5803

REC. REF. 240-285-53

MAP REF. SCALE NONE

ISSUE DATE

PROJ TITLE LIGHTGIG-4326LB-DIST-AF

REV. NUMBER 1 DATE REV.