

**REVIEW BY FORT BEND COUNTY  
COMMISSIONERS COURT**

8B  
**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: 2018-20120

**Applicant:** MCI Metro Access Transmission Services, Corp./Eagle Eye Permitting & Design, LLC

**Job Location Site:** 13825 W Bellfort Street, Sugar Land, TX 77478

**Bond No.**                      **Date of Bond:** 5/1/2017 **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 11th day of September, 2018, Upon Motion of Commissioner Meyers, seconded by Commissioner McRales, 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: Sean Eglinton

County Engineer

Date Recorded 9-14-2018

Comm. Court No. 8B

N/A

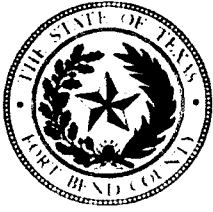
By: \_\_\_\_\_

Drainage District Engineer/Manager

Clerk of Commissioners Court

By: Janet Willis

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: 2018-20120

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: XXXXXXXXXX      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.**

\_\_\_\_\_  
Permit Administrator

8/31/2018

\_\_\_\_\_  
Date

MCImetro  
ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION  
FIBER OPTIC CABLE ROUTE

MCI ONE-FIBER  
BISSONNET  
HOUSTON, TX

SITE NFID: 1712CDUF

PROJECT STATUS: CONSTRUCTION



















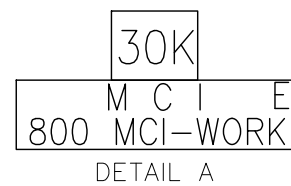
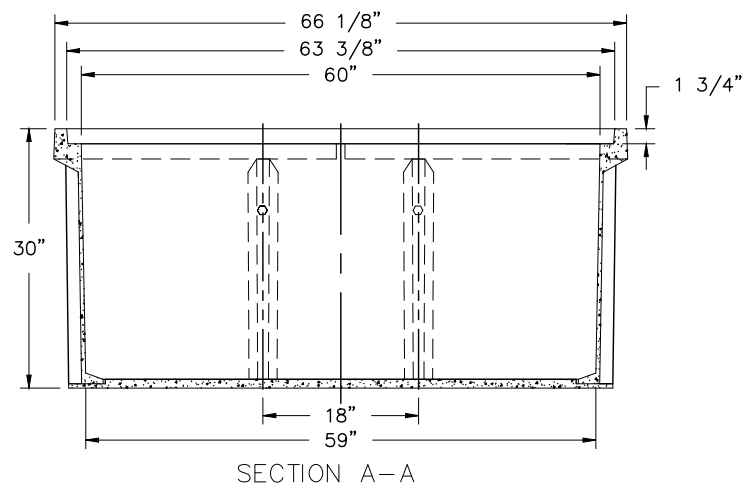
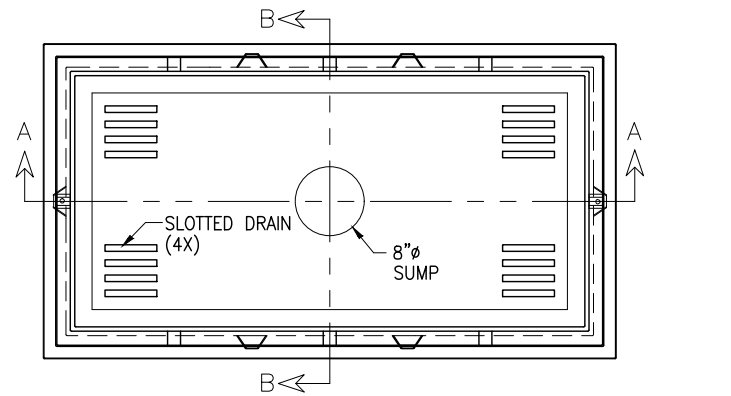


# 30" x 60" x 30" 30K STANDARD HANDHOLE DETAILS

PROJECT: \_\_\_\_\_  
 HOUSTON, TX  
 BISSONNET  
 NFID: 1712CDUF

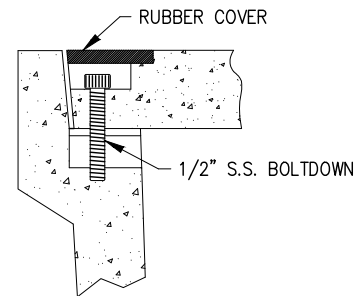
## DETAIL "A"

LOCKING DEVICE  
 CROSS SECTION

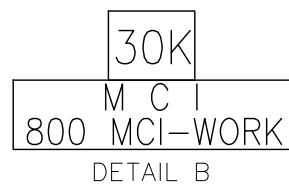
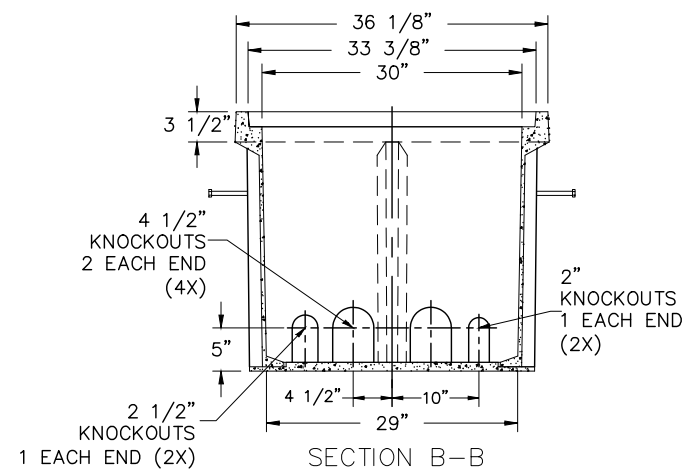


## DETAIL "B"

FLUSH MOUNT  
 COVER DETAIL



FLUSH MOUNT COVER DETAIL

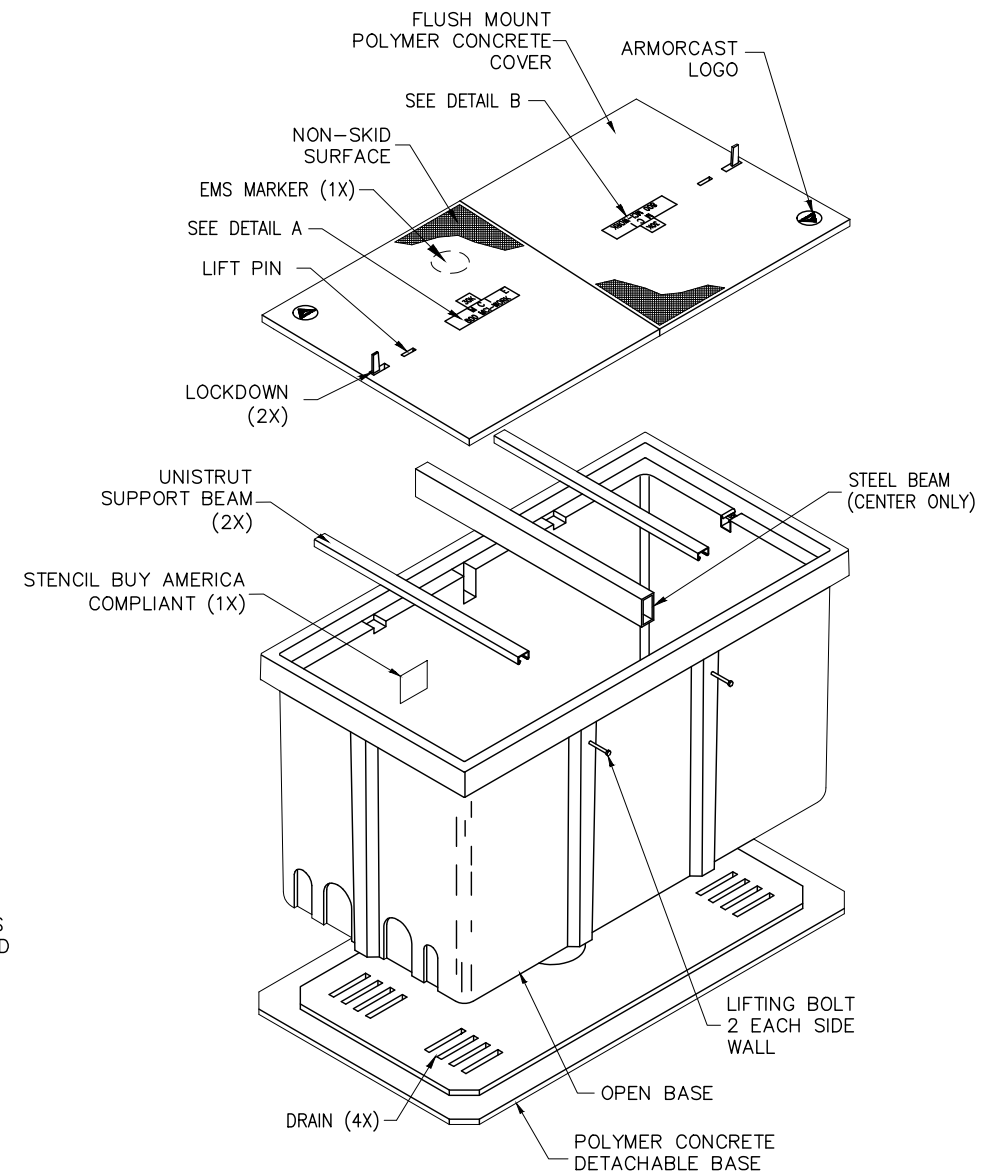


SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

ITEM	QTY	DESCRIPTION
1	(1)	JOHNNY LOCK KEY
2	(2)	S.S. JOHNNY BOLTS W/FLAT WASHER.
3		SHRINK WRAP COVERS TO FRAME FOR PACKAGING.

## DETAIL "C"

EXPLODED ISOMETRIC DETAIL



**30K STANDARD HANDHOLE**  
**30"x60"x30" POLYMER CONCRETE FLUSH MOUNT ASSEMBLY**  
**MEETS SCTE/ANSI 77-TIER 22 LOADING CRITERIA**  
**ADDITIONAL REQUIREMENTS:**  
**DESIGNED LOAD: 30,000 LBS**  
**MINIMUM FAILURE LOAD: 45,000 LBS**

MCI metro  
 ACCESS TRANSMISSION SERVICES CORPORATION  
 OUTSIDE PLANT CONSTRUCTION  
 TITLE: FIBER OPTIC ROUTE  
 BISSONNET  
 HOUSTON, TX

DATE: 03/10/18  
 ENGINEER: \_\_\_\_\_  
 DRAWN BY: RONALD C.

REVISIONS			
No.	DATE	DESCRIPTION	BY
0	03/18	CONSTRUCTION	JFF

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

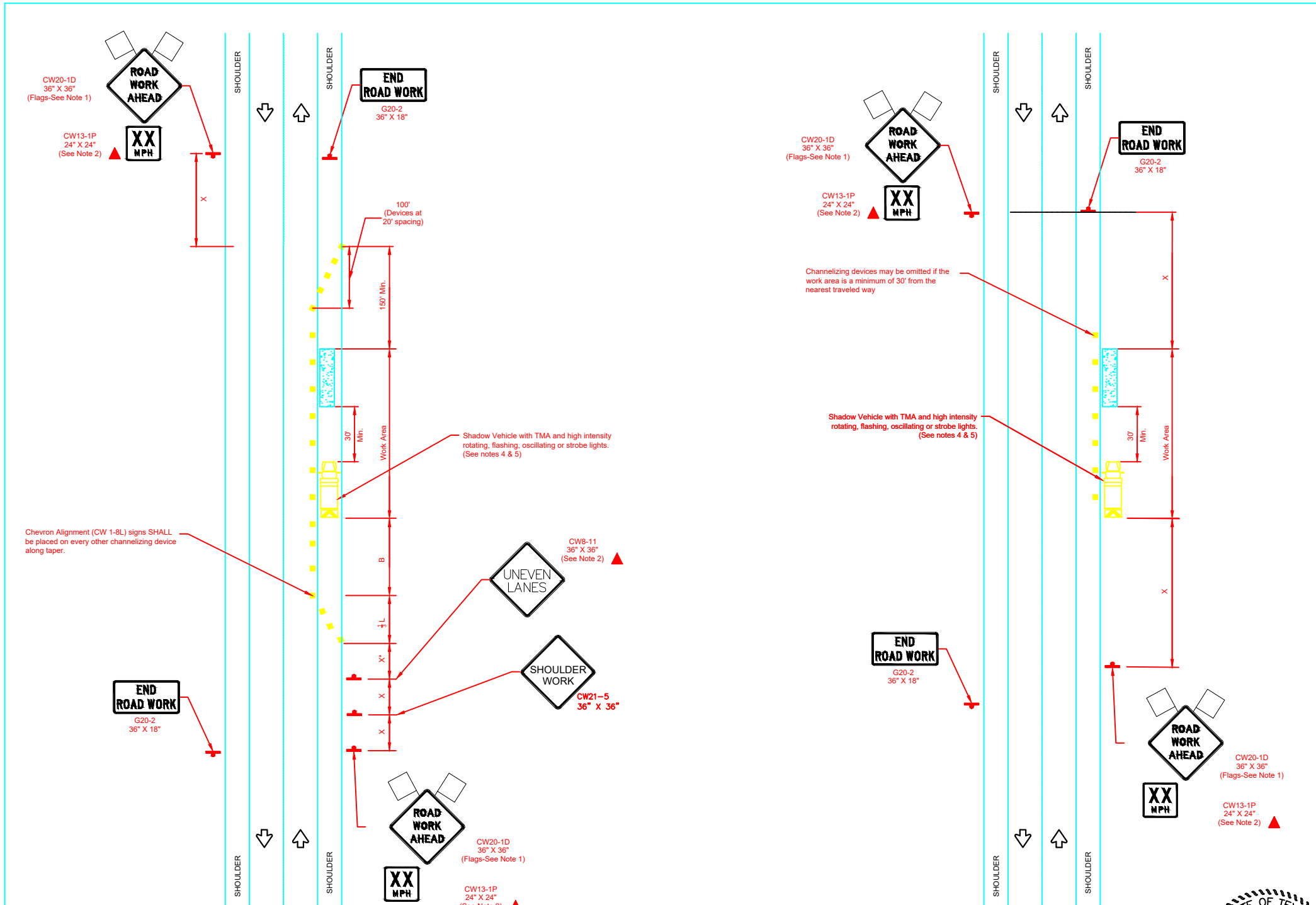
SCALE  
 HORIZONTAL: 1"=50'  
 VERTICAL: 1"=50'  
 MP \_\_\_\_\_ TO MP \_\_\_\_\_  
 SHEET 07 OF 69  
 FILE: BISSONNET\_1712CDUF



# TRAFFIC CONTROL PLAN DETAILS



PROJECT: HOUSTON, TX  
 BISSONNET  
 NFID: 1712CDUF



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

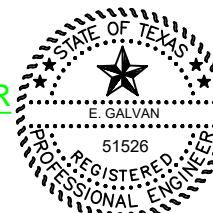
ROADWAY	POSTED SPEED	TAPER LENGTH	SPACING CHANNELIZING DEVICES		SING SPACING	BUFFER SPACE
			TAPER	TANGENT		
Dairy View Ln	20 MPH	150'	30'	60'	120'	90'
Shannon Hills Dr	20 MPH	150'	30'	60'	120'	90'
Bugle Rd	20 MPH	150'	30'	60'	120'	90'
Baneway Dr	30 MPH	150'	30'	60'	120'	90'
Rowan Ln	30 MPH	150'	30'	60'	120'	90'
Belle Park Dr	30 MPH	150'	30'	60'	120'	90'
Stroud Dr	30 MPH	150'	30'	60'	120'	90'

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

Posted Speed *	Formula	Minimum Desirable Taper Lengths "L"			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		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		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

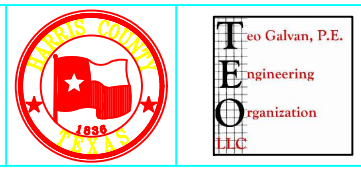
\* Conventional Roads Only  
 \* Taper lengths have been rounded off.  
 \*\* L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

- GENERAL NOTES**
- Flags attached to signs where shown are OPTIONAL.
  - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol are OPTIONAL.
  - Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
  - 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.
  - Contractor 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.
  - Flaggers should use tow - way radios or other methods of communications to control traffic.
  - Light of work space should be based on the ability of flaggers to communicate.
  - If the work space is located near horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distances 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.
  - No lanes shall be blocked from 7am to 9am and 4pm to 6:30pm Monday thru Friday.
  - Off duty police officers required to direct traffic when applicable.
  - If project is within 400 feet from 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.



NO.	REVISIONS	DATE	NAME
1	UPDATED DEPARTMENT NAME & GENERAL NOTES	4/16/15	BSH
2			
3			
4			

HARRIS COUNTY  
 ENGINEERING DEPARTMENT



SIGNATURE:

PROJECT TITLE:		HCED STANDARD	39
DRAWN BY:	BSH	SHEET DESCRIPTION:	TRAFFIC CONTROL PLAN (ONE LANE, TWO WAY OPERATION)
CK'D BY:	BSH	SCALE:	N.T.S.
DATE:	6/26/14	APPROVED BY:	
		SHEET NO:	08 OF 69

ACCESS TRANSMISSION SERVICES CORPORATION	
OUTSIDE PLANT CONSTRUCTION	
TITLE: FIBER OPTIC ROUTE	
BISSONNET	
HOUSTON, TX	

DATE: 03/10/18  
 ENGINEER:  
 DRAWN BY: RONALD C.

REVISIONS			
No.	DATE	DESCRIPTION	BY
0	03/18	CONSTRUCTION	JFF

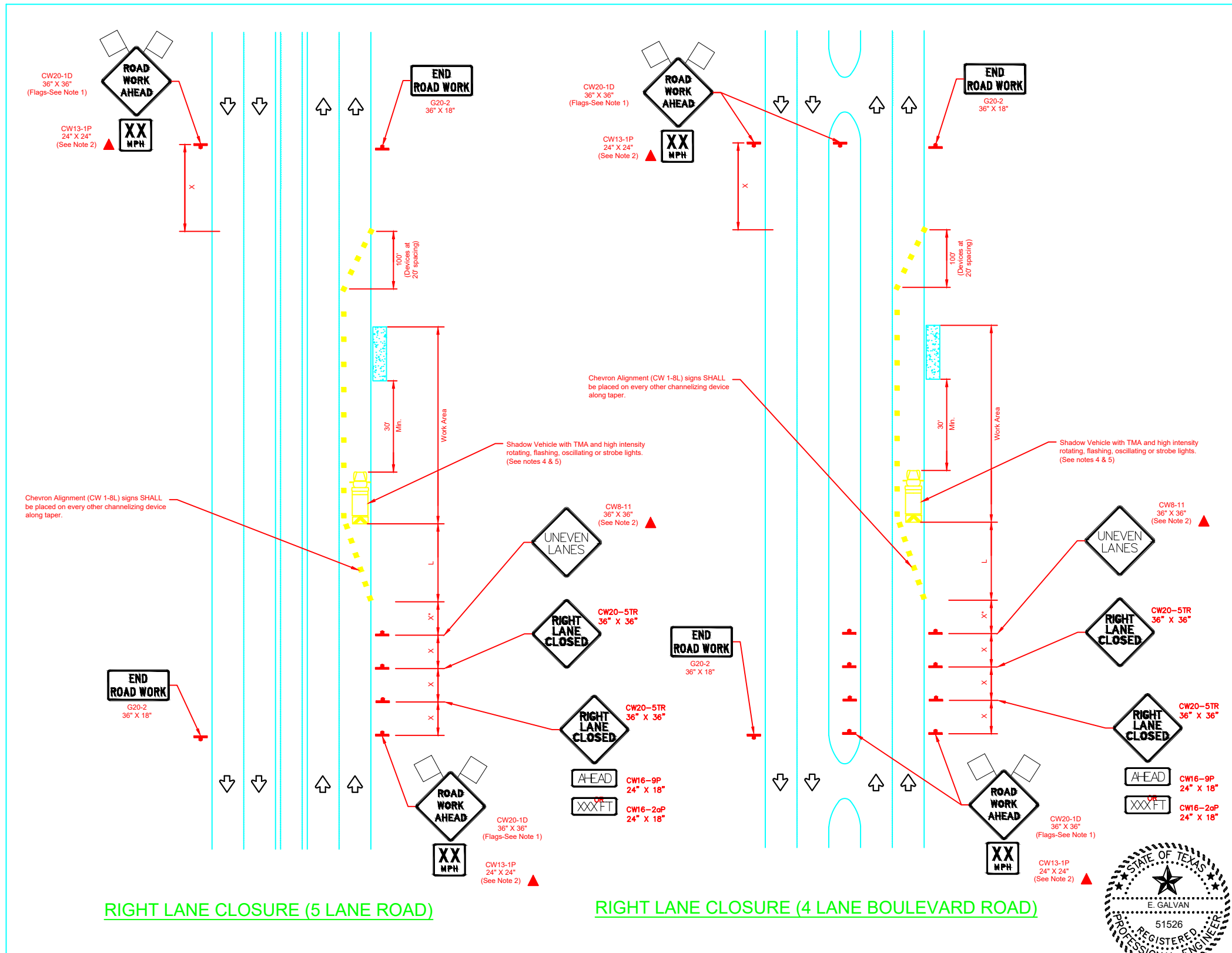
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SCALE  
 HORIZONTAL: 1"=50'  
 VERTICAL: 1"=50'  
 MP TO MP  
 SHEET 08 OF 69  
 FILE: BISSONNET\_1712CDUF

# TRAFFIC CONTROL PLAN DETAILS



PROJECT: HOUSTON, TX  
 BISSONNET  
 NFID: 1712CDUF



TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TAPER LENGTH	SPACING CHANNELIZING DEVICES		SING SPACING	BUFFER SPACE
			TAPER	TANGENT		
W Ballfort Blvd	35 MPH	205'	35'	70'	160'	120'
S Kirkwood Rd	35 MPH	205'	35'	70'	160'	120'
Bissonet St	35 MPH	205'	35'	70'	160'	120'
Cook Rd	35 MPH	205'	35'	70'	160'	120'
Beechnut St	35 MPH	205'	35'	70'	160'	120'
S Dairy Ashford Rd	35 MPH	205'	35'	70'	160'	120'
Bellaire Blvd	35 MPH	205'	35'	70'	160'	120'
Wilcrest Dr	35 MPH	205'	35'	70'	160'	120'
Bandlon Dr	20 MPH	205'	35'	70'	160'	120'

LEGEND

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

Posted Speed	Formula	Minimum Desirable Taper Lengths "L"			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
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50		600'	650'	700'	50'	100'	400'	240'
55		750'	805'	860'	55'	110'	500'	295'
60		900'	960'	1020'	60'	120'	600'	350'
65		1050'	1115'	1180'	65'	130'	700'	410'
70	1200'	1270'	1340'	70'	140'	800'	475'	
75	1350'	1425'	1500'	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
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  - No lanes shall be blocked from 7am to 9am and 4pm to 6:30pm Monday thru Friday.
  - Off duty police officers/flaggers are required to direct traffic when applicable.
  - If project is within 400 feet from 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.

PROJECT TITLE: VZW 5G JARVIS  
 DRAWN BY: GFS  
 CK'D BY: GFS  
 SCALE: N.T.S.  
 DATE: 4/05/17

HCD STANDARD 41  
 SHEET NO: 8A / 15

NO.	REVISIONS	DATE	NAME
1	UPDATED DEPARTMENT NAME & GENERAL NOTES	4/16/15	BSH
2			
3			
4			
5			

HARRIS COUNTY ENGINEERING DEPARTMENT



E. GALVAN  
 Registered Professional Engineer  
 51526

SIGNATURE:

MCImetro ACCESS TRANSMISSION SERVICES CORPORATION  
 OUTSIDE PLANT CONSTRUCTION  
 TITLE: FIBER OPTIC ROUTE BISSONNET HOUSTON, TX

DATE: 03/10/18  
 ENGINEER:  
 DRAWN BY: RONALD C.

REVISIONS

No.	DATE	DESCRIPTION	BY
0	03/18	CONSTRUCTION	JFF
1			
2			
3			
4			
5			

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SCALE  
 HORIZONTAL: 1"=50'  
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 MP TO MP  
 SHEET 08A OF 69  
 FILE: BISSONNET\_1712CDUF











