



**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: 2018-24008

Applicant: Comcast of Houston , LLC

Job Location Site: 11103 S Highway 6, Sugar Land, TX 77498

Bond No. **Date of Bond:** 7/24/2007 **Amount:** \$100,000.00

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.
4. This permit applies to work performed within right-of-ways owned and maintained by Fort Bend County only, and it is the responsibility of the applicant to acquire all other necessary permits.

On this 6th day of November, 2018, Upon Motion of Commissioner Meyers, 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: Sean Eglinton

County Engineer

Date Recorded 11-13-2018 Comm. Court No. 120

N/A

Clerk of Commissioners Court

By: N/A

Drainage District Engineer/Manager

By: Andrea 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@fortbendcountytx.gov

- ☒ Right of Way Permit
☐ Commercial Driveway Permit

Permit No: 2018-24008

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: \$100,000.00 |
| <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.



Permit Administrator

10/29/2018

Date

Scope of work to Target address - 11103 S HWY 6

- PROJECT BEGINS AT PROPOSED VAULT 473' SE C/L OF MC KASKLE RD.
- TRENCH 468' AS INDICATED.
- PROJECT ENDS AT PROPOSED VAULT 305' SE C/L OF MC KASKLE RD.
- TOTAL PROJECT IS 468'.



WORK
AREA

VICINITY MAP

SCALE: NONE

BUILD:

• Bore footage:	0'
• Trench footage:	468'
• Bore Pits:	0
• Potholes :	0
• New Aerial :	0'
• Overlash:	0'
• New Vaults:	2
• Existing Vaults:	0
• New Pedestals:	0
• Existing Pedestals:	0
• Overpull Existing Conduit:	0'
• Total Project Footage:	468'

CONTACTS

Lia Lopez
Construction – Serviceability &
Permit Supervisor
(713) 637-5248 (Ext. 2775248)

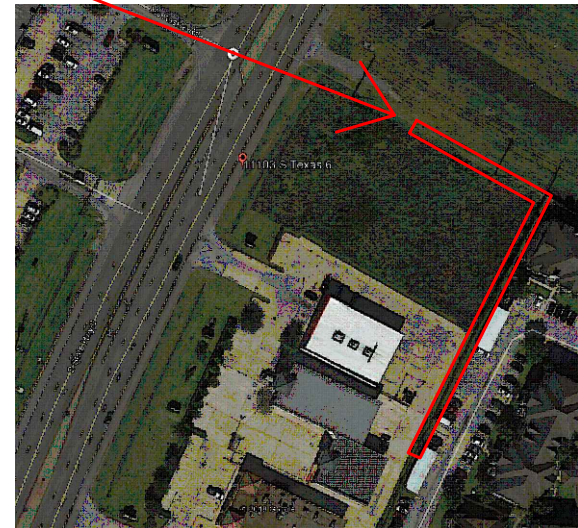
Juan Jimenez
Construction Specialist
(713) 637-5248 (Ext.)

LEGEND

- ⊕ RISER
- ⊗ UTILITY POLE
- ⤴ DOWN GUY AND ANCHOR
- PEDESTAL / VAULT

AERIAL ROUTE

UNDERGROUND ROUTE



FORT BEND COUNTY, TEXAS

THIS IS A COMCAST DOCUMENT, PROPRIETARY & CONFIDENTIAL

DESIGN: TRUENET	REV	DESCRIPTION	DATE
DRAWN BY: NP	0	ISSUED FOR PERMIT	10/15/2018
APPROVED:			
APPROVED:			
APPROVED:			



7666 Blanding Boulevard
Jacksonville, FL 32244
(904) 777- 9052



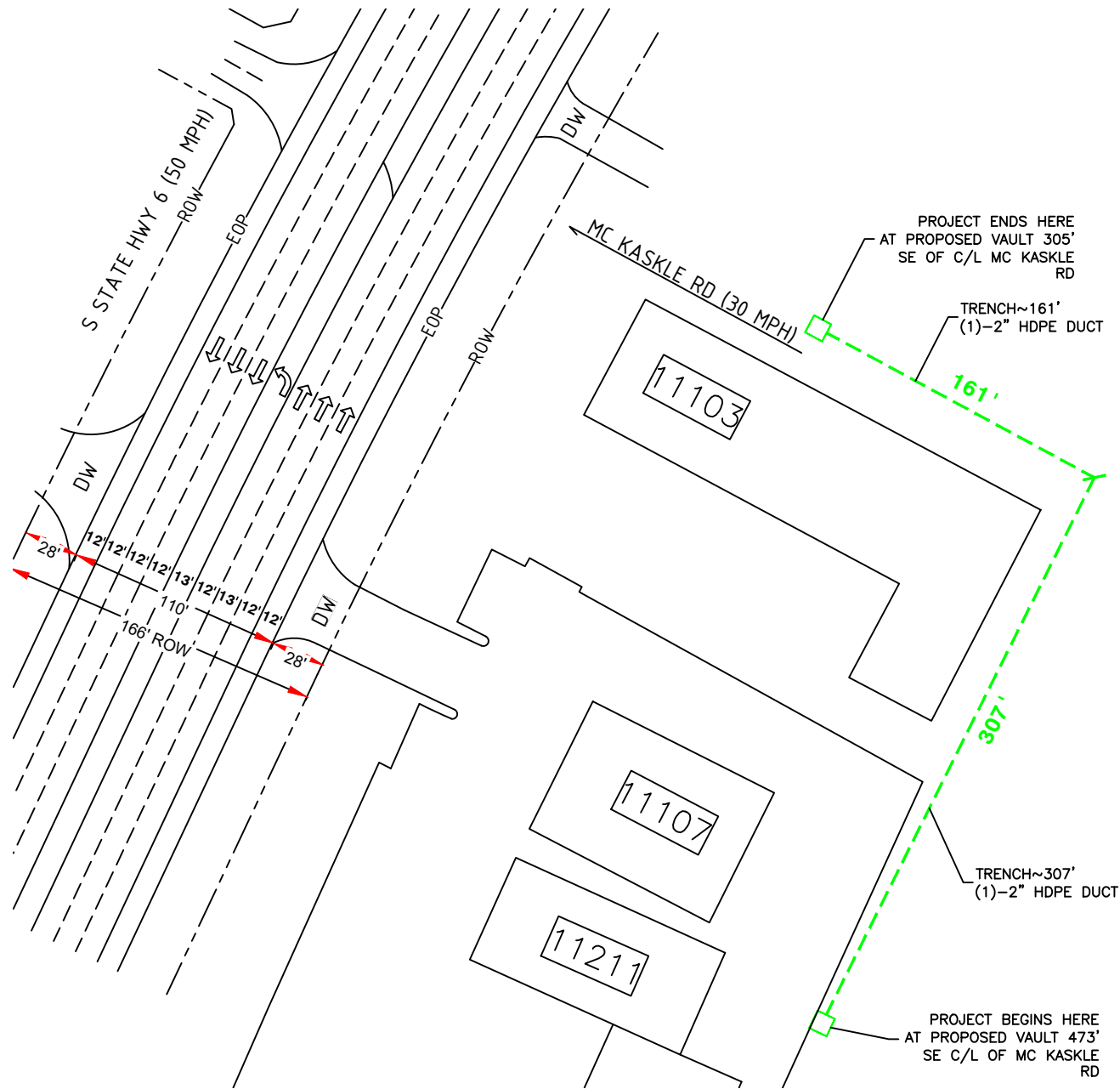
TITLE PAGE
11103 S HWY 6

PROJ#: 78223

CONSTRUCTION TYPE: UNDERGROUND

SYSTEM: HOUSTON

NODE: N/A



NOTES:

1. CONTRACTOR SHALL CALL FOR LOCATES 3 DAYS PRIOR TO PLANNED COMMENCEMENT OF WORK.
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND FACILITIES.
3. NO MORE TRENCH OPENED AT ONE TIME THAN CAN BE BACKFILLED AND COMPACTED IN 10" LIFTS AT THE END OF EACH DAY. (NO TRENCH LEFT OPENED OVERNIGHT)
4. ALL EXCESS EXCAVATION TO BE REMOVED FROM THE ROAD RIGHT-OF-WAY AT THE END OF EACH DAY.
5. DITCHES TO BE OPENED AT THE END OF EACH DAY TO ASSURE ADEQUATE DRAINAGE.
6. ROAD MUST BE KEPT OPEN TO TRAFFIC AND CONTRACTOR MUST PROVIDE ADEQUATE FLAGMEN, SIGNALS, ETC., TO PROVIDE COMPLETE SAFETY TO THE PUBLIC.
7. IF IT BECOMES NECESSARY FOR EQUIPMENT TO OPERATE ON A PORTION OF THE PAVEMENT, PRECAUTIONS MUST BE TAKEN TO PREVENT ANY DAMAGE WHATSOEVER TO THE PAVEMENT.
8. CONDITION OF ROAD UPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING.
9. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE NATIONAL ELECTRICAL SAFETY CODE (NEC) REQUIREMENTS, CENTERPOINT ENERGY ELECTRIC POLE ATTACHMENT GUIDELINES & PROCEDURES AND ALL APPLICABLE LOCAL REQUIREMENTS AND REGULATIONS FOR PLACEMENT OF AERIAL CABLE FACILITIES. 18' MIN. VERTICAL CLEARANCE


COMCAST
 7033 AIRPORT BLVD
 HOUSTON, TX 77061-3912



JT#78223 - 11103 S HWY 6 - FORT BEND

DESIGNED BY: TRUENET
 COMMUNICATIONS
 DRAWN BY: ED
 DWG. NO.
 SHEET NO. 1 OF 1

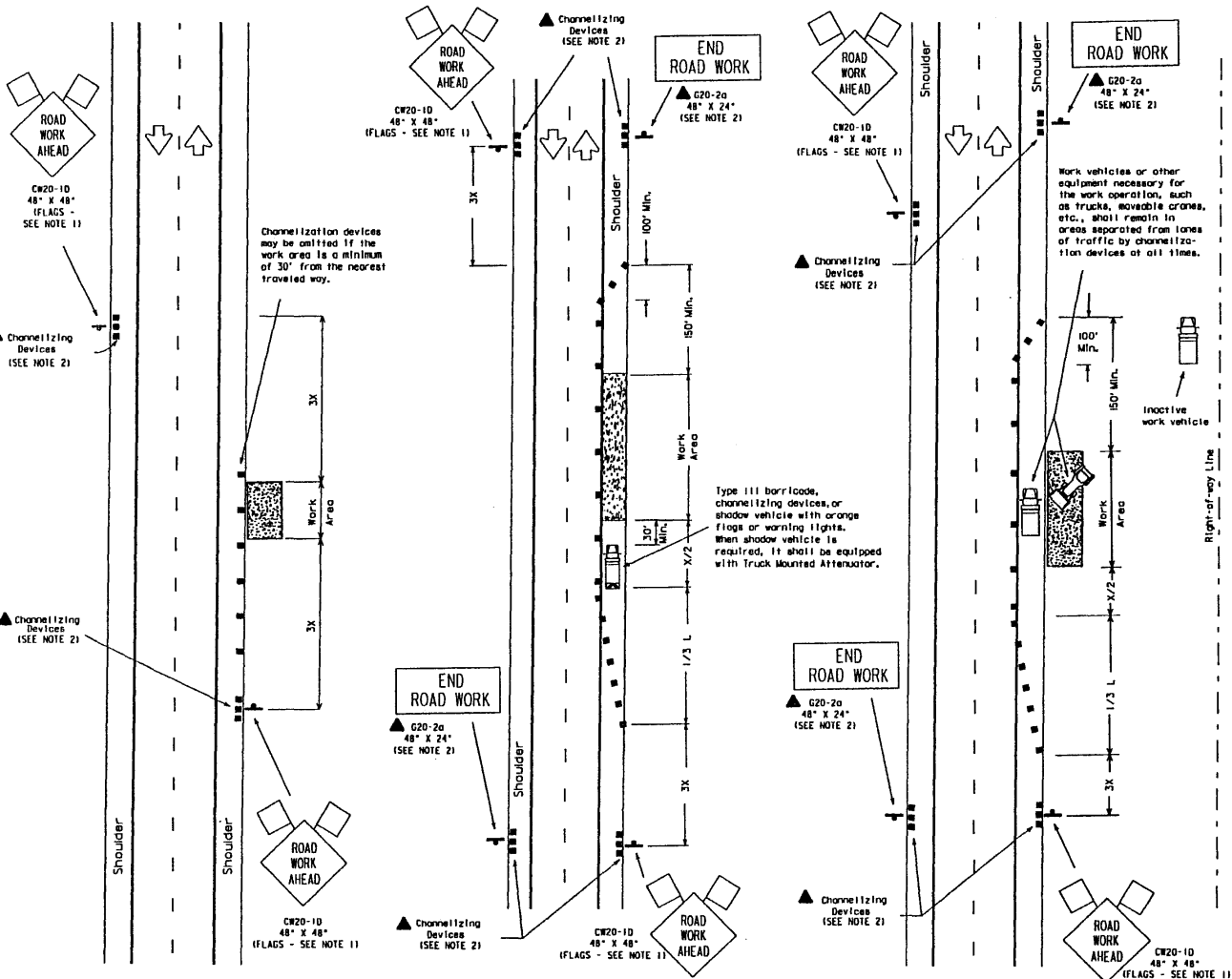
LAMBERT:
 DATE: 10/15/2018
 KEY MAP NO:
 SCALE: NTS



DISCLAIMER

The use of this standard is governed by the Texas Engineering Practice Act. No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

ITEM	DATE	BY	CHK	APP
1. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.
2. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.
3. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.
4. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.
5. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.
6. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.
7. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.
8. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.
9. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.
10. TYPICAL PLAN	12/15/95	W. J. B. / J. A. C.	W. J. B.	W. J. B.



LEGEND	
	Type III Barricade
	Channelizing Devices
	Heavy Work Vehicle
	Truck Mounted Attenuator
	Trailer Mounted Flashing Arrow Panel
	Portable Changeable Message Sign
	Flagger
	Sign Post

Posted Speed ft	Formula	Minimum Desirable Taper Lengths ft			Suggested Maximum Spacing of Device		Minimum Sign Spacing
		10'	11'	12'	On a Taper	On a Tangent	x Distance
30	L = WS / 60	150'	165'	180'	30'	60' - 75'	120'
35		205'	225'	245'	35'	70' - 90'	160'
40		265'	295'	320'	40'	80' - 100'	240'
45	L = WS	450'	495'	540'	45'	90' - 110'	320'
50		500'	550'	600'	50'	100' - 125'	400'
55		550'	605'	660'	55'	110' - 140'	500'
60		600'	660'	720'	60'	120' - 150'	600'
65		650'	715'	780'	65'	130' - 165'	700'
70	700'	770'	840'	70'	140' - 175'	800'	

N Conventional Roads Only
 N 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	LONG TERM STATIONARY

- GENERAL NOTES:
- Unless otherwise stated in the plans, flags attached to signs 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.
 - On high speed facilities advance warning signs should be installed approximately 3X from the work area or from the beginning of a lane or shoulder taper. On low speed facilities the advance warning signs should be placed based on the "X" minimum distance.
 - Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standards Engineer
 Traffic Operations Division - TE
 Texas Department of Transportation
 125 East 11th Street
 Austin, Texas 78701-2403
 Phone (512) 416-3325
 Fax (512) 416-3161
 E-mail TBP-STANDARD@mtg.com, dot, state, tx, us

The requirement for shadow vehicles will be listed in the project GENERAL NOTES, item 502, Barricades, Signs and Traffic Handling.

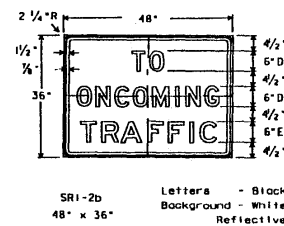
STANDARD PLANS
 TEXAS DEPARTMENT OF TRANSPORTATION
 Traffic Operations Division

TRAFFIC CONTROL PLAN

TCP (1-1) - 98

REVISED	DATE	BY	CHK	APP	DATE	BY	CHK	APP
2-94	12/15/95	W. J. B.	W. J. B.	W. J. B.	12/15/95	W. J. B.	W. J. B.	W. J. B.
8-95	12/15/95	W. J. B.	W. J. B.	W. J. B.	12/15/95	W. J. B.	W. J. B.	W. J. B.
1-97	12/15/95	W. J. B.	W. J. B.	W. J. B.	12/15/95	W. J. B.	W. J. B.	W. J. B.
4-98	12/15/95	W. J. B.	W. J. B.	W. J. B.	12/15/95	W. J. B.	W. J. B.	W. J. B.

DN:	DATE:
CA:	
DN:	ACC:
CA:	FILE:

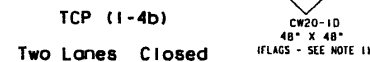
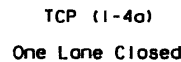


Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standard Engineer
Traffic Operations Division - 11
Texas Department of Transportation
125 East 11th Street
Austin, Texas 78701-2463
Phone (512) 464-3335
Fax (512) 416-3484
E-mail TOW-Signage@dot.state.tx.us

C:\IN001 December 1985		DN - LR	CS - MT	IN - DN	CS - MT	REC NO.
NETSIGHT	STORY RESIDENCY	GENERAL REGION	PLANNING AND PROJECT			SHEET
4-90		6				
2-94						
1-97			COUNTY	CONTR.	SECTION	JOB
4-98						HIGHWAY

DISCLAIMER



Paired Sides #	Formula	Minimum Desirable Tower Lengths # M				Suggested Maximum Spacing of Driveway		Minimum Sign Spacing
		10' offset	12' offset	15' offset	18' offset	to a fence	to a tangent	
30	L = WS ² 60	150'	165'	180'	30'	60' - 75'	120'	
35		205'	225'	245'	35'	70' - 90'	160'	
40		265'	295'	320'	40'	80' - 100'	240'	
45	L = WS	450'	495'	540'	45'	90' - 110'	320'	
50		500'	550'	600'	50'	100' - 125'	400'	
55		550'	605'	660'	55'	110' - 140'	500'	
60		600'	660'	720'	60'	120' - 150'	* 600'	
65		650'	715'	780'	65'	130' - 165'	* 700'	
70		700'	770'	840'	70'	140' - 175'	* 800'	


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

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

The requirement for shadow vehicles will be listed in the project GENERAL NOTES, Item 502, Barricades, Signs and Traffic Handling.

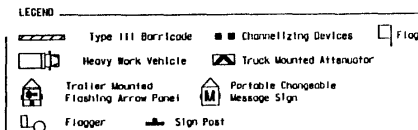
TRAFFIC CONTROL PLAN

TCP (1-4) -98

 TxDOT December 1985		DIV - LT	DIV - MT	DIV - DN	DIV - MT	REC NO.
REVISIONS 2-94 8-95 1-97 4-98	STATE DISTRICT 6	FEDERAL HIGHWAY 6	FEDERAL AID PROJECT			SHEET
COUNTY		DIVISION	SECTION	JOB	REVISION	

LEVELS DISPLAYED												DATE:		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	DNR
70.81	92.02	92.22	32.42	52.62	72.82	93.03	13.72							CK+
33.33	43.53	63.73	83.93	4	14	24	34.44	54.64	74.84	94.84	14.74			DW+
19.05	03.15	23.35	33.55	43.75	53.95	64.15	74.35	84.55	94.75	14.95	25.15			CK+

038V74510 STJ



Pasted Speed %	Formula	Minimum Desirable Taper Lengths %	Minimum Desirable Taper Lengths %	Suggested Maximum Supporting Device	Suggested Supporting Device	Sign Speed Sign Spacing
30	L = WS ² / ₆₀	10"	10"	On a	On a	120"
35		150'	165'	180'	On a	120"
40		205'	225'	245'	On a	160'
45		265'	295'	320'	On a	240'
50		350'	405'	450'	On a	320'
55	L = WS	500'	550'	600'	On a	400'
60		500'	605'	660'	On a	500'
65		600'	660'	720'	On a	600'
70		650'	715'	780'	On a	700'
75		700'	770'	840'	On a	800'

* 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:

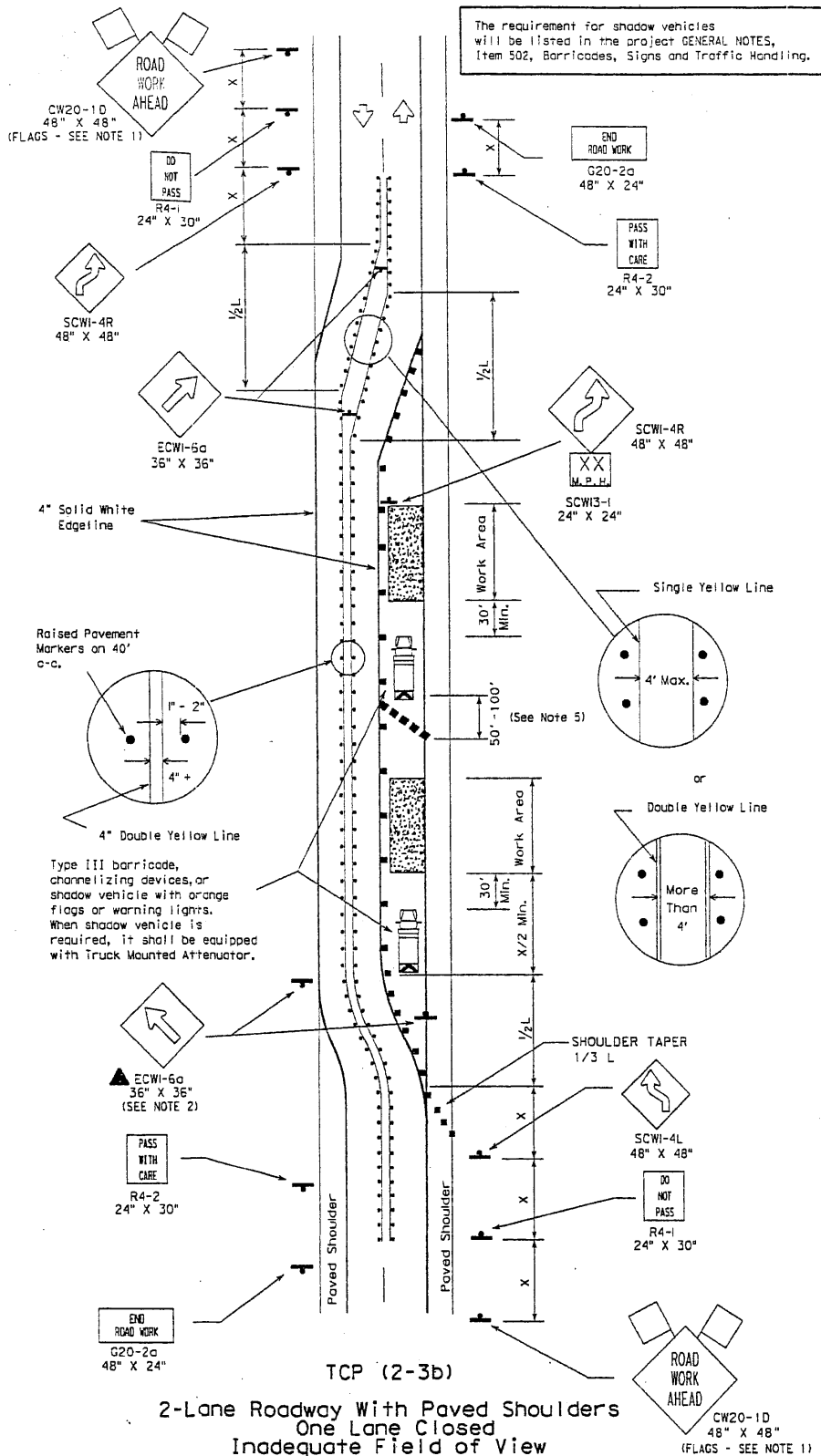
1. Flagg attached to signs are REQUIRED.
2. All traffic control devices REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.
3. The BE PREPARED TO STOP sign may be installed after the ONE LANE ROAD XXX FT sign, but proper sign spacing shall be maintained.
4. YIELD sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work zones should be no longer than one half city block. In rural areas, work zones may be less than 4000 ADT and work areas should be no longer than 400'.
5. YIELD TO ONCOMING TRAFFIC sign shall be placed on a support at a 7' minimum mounting height.
6. Flaggers should use two-way radios or other methods of communication to control traffic.
7. Length of work area should be based on the ability of flaggers to communicate.
8. For intermediate term situations, when it is not feasible to remove and repave pavement markings, the channelization must be more dominant by using a very close spacing. This is especially important in locations of conflicting information, such as where traffic is directed over a double yellow centerline. In such locations a maximum channelizing device spacing of 10 feet is recommended. The 10 foot channelizing device spacing channelization is intended for the area of conflicting information and not the entire work zone.



TRAFFIC CONTROL PLAN

TCP (2-2) -03

C:\XDOT December 1985		DR: LR	CO: MT	DN: DN	CO: MT	REC NO: 1
REVISED	TRUCK DISTRICT	TRUCK MODEL	FURNISH AND PROJECT			QALTY
8-95		E				
1-97						
4-98	COUNTY		CONTROL	SECTION	JOB	DESCRIPTION
3-03						



Legend:

- Type III Barricade
- Heavy Work Vehicle
- Trailer Mounted Flashing Arrow Panel
- Channelizing Devices
- Truck Mounted Attenuator
- Portable Changeable Message Sign
- Flagger
- Sign Post
- Raised Pavement Markers Type III-A-A (40' spacing)

Posted Speed %	Formula	Minimum Desirable Taper Lengths * * *			Suggested Maximum Spacing of Device		Minimum Sign Spacing X Distance
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent	
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60' - 75'	120'
35		205'	225'	245'	35'	70' - 90'	160'
40		265'	295'	320'	40'	80' - 100'	240'
45		450'	495'	540'	45'	90' - 110'	320'
50	L = WS	500'	550'	600'	50'	100' - 125'	400'
55		550'	605'	660'	55'	110' - 140'	500'
60		600'	660'	720'	60'	120' - 150'	* 600'
65		650'	715'	780'	65'	130' - 165'	* 700'
70		700'	770'	840'	70'	140' - 175'	* 800'

* 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
		✓	✓	✓ (2-3b only)

GENERAL NOTES:

- Unless otherwise stated in the plans, flags attached to signs 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.
- When work area will be in place more than one day but less than 2 weeks existing pavement markings may remain in place. Channelizing devices shall be used to separate traffic.
- Flagger control should NOT be used unless roadway conditions or heavy traffic volume require additional emphasis to safely control traffic. Flagger should be positioned at end of traffic queue.
- DO NOT PASS, PASS WITH CARE, and construction regulatory speed zone signs may be installed within ROAD WORK AHEAD signs. Proper spacing of signs shall be maintained.
- When the work zone will be in place more than two weeks, conflicting pavement markings shall be removed, unless approved by the Engineer. New markings shall be placed and maintained to the satisfaction of the Engineer.
- See TCP (NOTES), CHANNELIZING DEVICES, note #2 for recommended 10 foot channelizing device spacing.

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or faxing:

Standards Engineer
 Traffic Operations Division - TE
 Texas Department of Transportation
 125 East 11th Street
 Austin, Texas 78701-2483
 Phone (512) 416-3335
 Fax (512) 416-3161
 E-mail TRF-STANDARD@dot.state.tx.us

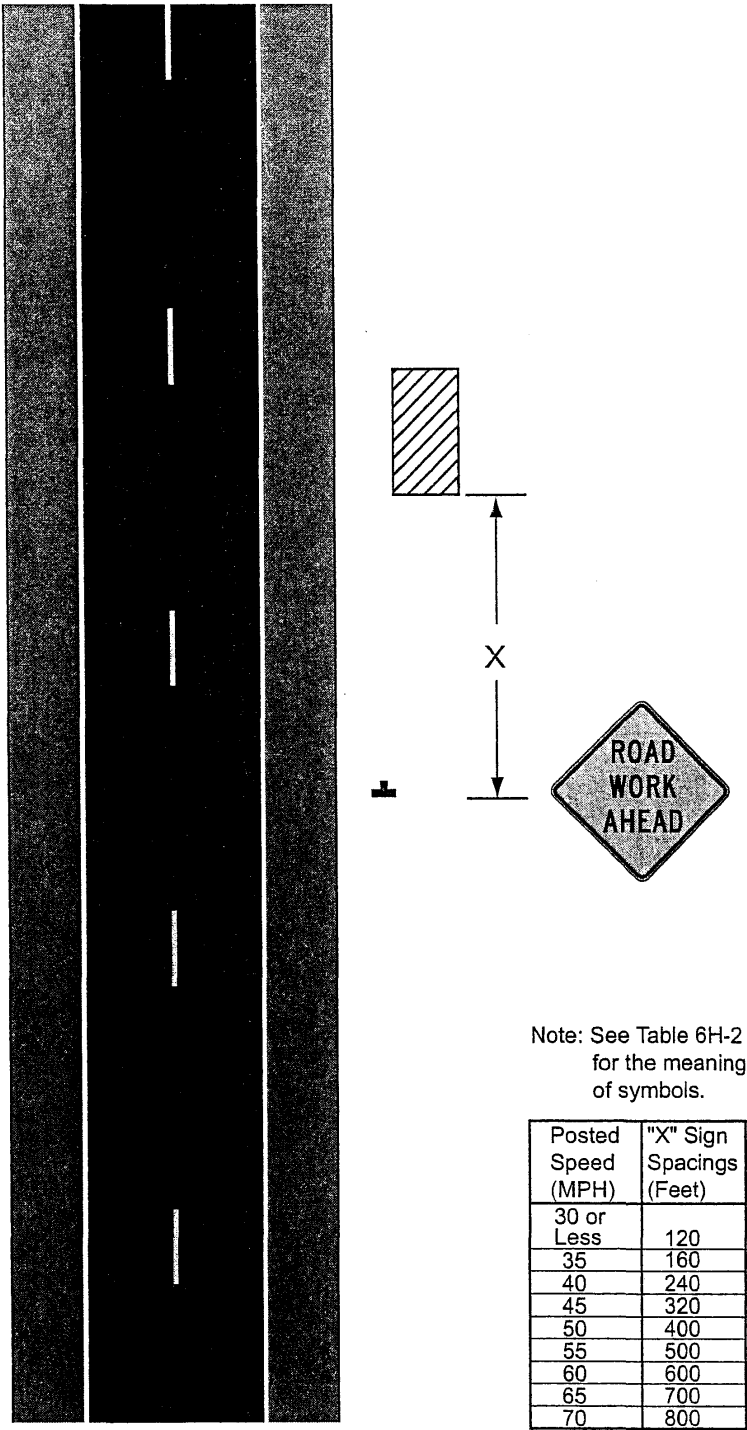
STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
 Traffic Operations Division

TRAFFIC CONTROL PLAN

TCP (2-3) - 98

© TxDOT December 1985		DR - LR	CR - MT	OP - DI	CR - DM	REVISIONS
2-94	8-95	1-97	4-98	6	COUNTY	CONTROL
		SECTION		JOB	HIGHWAY	

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Typical Application 1

Notes for Figure 6H-1—Typical Application 1
Work Beyond the Shoulder

Guidance:

1. If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.

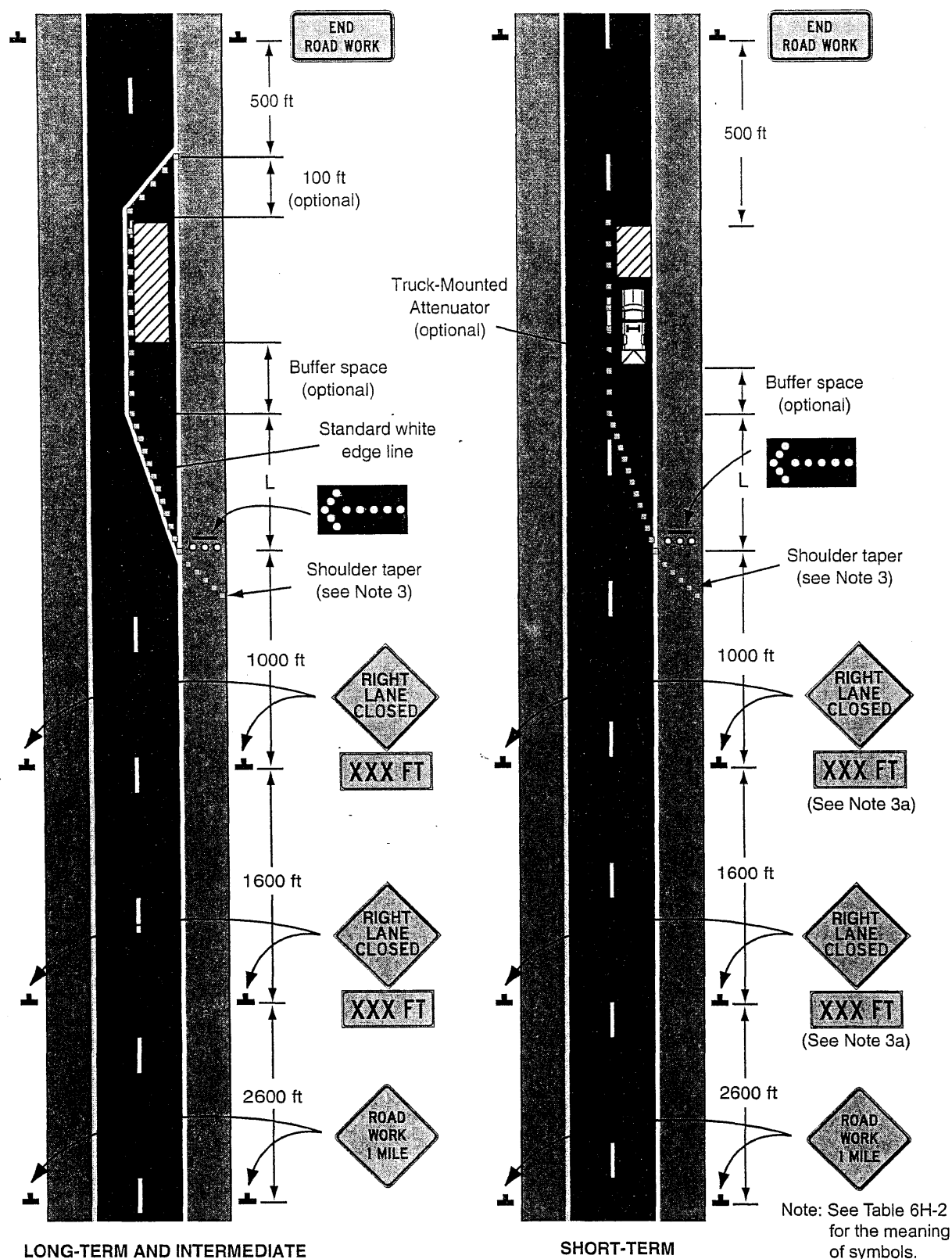
Option:

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 in behind the curb, or 15 ft or more from the edge of any roadway.
4. For short-term, short-duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights

Standard:

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-33. Stationary Lane Closure on Divided Highway (TA-33)



Typical Application 33

Notes for Figure 6H-33—Typical Application 33
Stationary Lane Closure on Divided Highway

Standard:

1. **This information also shall be used when work is being performed in the lane adjacent to the median on a divided highway. In this case, the LEFT LANE CLOSED signs shall be substituted.**
2. **When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed as needed.**

Guidance:

3. When paved shoulders having a width of 8 ft or more are closed, channelizing devices should be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the traveled way.

Option:

- 3a. For Short-Term applications, when post mounted signs are not used, the distance legend may be shown on the sign face rather than on a supplemental plaque.
4. A truck-mounted attenuator may be used on the work vehicle and/or shadow vehicle.

Support:

5. Where conditions permit, restricting all vehicles, equipment, workers, and their activities to one side of the roadway might be advantageous.