



bond # 5-906-4703
Road Cut - M.J.
3-24-09
for pd. co. rept. #
59293

NOTICE OF PROPOSED INSTALLATION
UTILITY LINE ON WILLIAMSON COUNTY RIGHT-OF-WAY

TO: Williamson County Unified Road System

DATE:

3-19-09

3151 S. E. Inner Loop, Suite B
Georgetown, Texas 78626

Formal notice is hereby given that

FERMAN AUSTIN

Company proposes to place a

8" WATERLINE

Line within the right-of-way of

~~RACINE~~ RACINE P.

as follows: (give location, length, general design, etc.)

Intersection of RACINE AND GREAT OAKS
Approx. 40'
TAP EXISTING 8" IN N. SIDE OF RACINE
CROSS RACINE TO SERVICE RRISD

The line will be constructed and maintained on the road right-of-way as directed by the Williamson County Unified Road System in accordance with governing laws.

Our firm further understands that the County considers proper traffic control measures as those complying with applicable portions of the Texas Manual of Traffic Control Devices required for adoption by the "Transportation Code" (V.C.T.A. CH.251)

The location and description of the proposed line and appurtenances is more fully shown by 2 copies of drawings attached to this notice.

Construction of this line is proposed to begin on or after the

25th day of MARCH 2009

APPROVAL

This application is hereby approved subject to the following understandings and restrictions.

It is expressly understood that the said County Commissioners' Court does not imply hereby to grant any right, claim, title or easement in or upon this County Road; and it is further understood that in the future, should Williamson County, for any reason, need to work, improve, relocate, widen, increase, add to, decrease, or in any manner change the structure of this road or right-of-way, this line, if affected, will be moved at the direction of the Williamson County Engineer or County Commissioner. This installation work shall not damage any part of the roadway and adequate provisions shall be made to cause a minimum of inconvenience to traffic and adjacent property owners.

APPROVED BY WILLIAMSON COUNTY COMMISSIONERS' COURT

BY:

Greg Bugner
COUNTY ROAD ADMINISTRATOR

DATE:

3/26/09

Firm:

FERMAN AUSTIN

Authorized Signature

MARK SCOTT

Printed Name

Address:

P.O. Box 2380
Cedar Park TX
78630

Phone:

512-940-5700

Fax:

512-733-7782

ALSO.
TIE 6" WW INTO
EXISTING MANHOLE AND
RUN ABOUT 30' WW LINE
TO SERVICE RRISD

CONTRACTOR'S LIABILITY AGREEMENT

I, Forman Austin, Contractor for RRISD (Stewart Bldg)
in Williamson County, Texas do hereby agree to the following schedules and conditions for doing work within
the right-of-way of BATLER which is a public roadway
maintained by Williamson County.

1. I will contact the Williamson County Unified Road System at least 48 hours prior to start of construction.
2. All work in the right-of-way will be done between the hours of 8:30 a.m. and 4:30 p.m. on Monday through Friday only.
3. Cuts will be opened for one-half the roadway only, with flagmen on both sides of the work area, allowing one-way traffic through. This type of operation will be held to a minimum and all advance warning signs and barricades shall be as specified in the Texas Manual on Uniform Traffic Control Devices. These cuts will also be filled and entire roadway opened at night and on weekends.
4. Roadside work in ditches alongside the trenched surface may be left opened at night, only if they can be barricaded solidly between open ditch and traveled roadway leaving a minimum 6' of road shoulder between the pavement edge and the barricades. The barricades must be reflective and lighted with warning lights and conform to the requirements of the T.M.U.T.C.D. for nighttime use.
5. Any construction area to be maintained from dusk to dawn shall have Type B High Intensity Steady Burn Warning Lights to delineate the traveled way through and around obstructions in a construction or maintenance area. All warning lights shall be installed to a minimum mounting height of 36" to the bottom of the lens.
6. Construction work and road repair on County right-of-way will be done to Williamson County Standards and to the approval of the Williamson County Unified Road System.
7. I will notify the Williamson County Unified Road System and obtain approval prior to any changes from this agreement if required due to soil conditions or other problems.

3-19-09
DATE

Williamson County Unified Road System
3151 S. E. Inner Loop, Ste. B
Georgetown, Texas 78626

Mark Scott
SIGNED

MARK SCOTT FORMAN AUSTIN
CONTRACTOR (PRINT NAME)

P.O. Box 2380
ADDRESS

Cedar Park TX 78630
CITY, STATE, ZIP CODE

512-940-5700
PHONE

Forman



Austin

8x8 TAP

8" WL
APPROX 40'

8x8" WATER LINE

ex ww
M/H. RACINE

6" WW

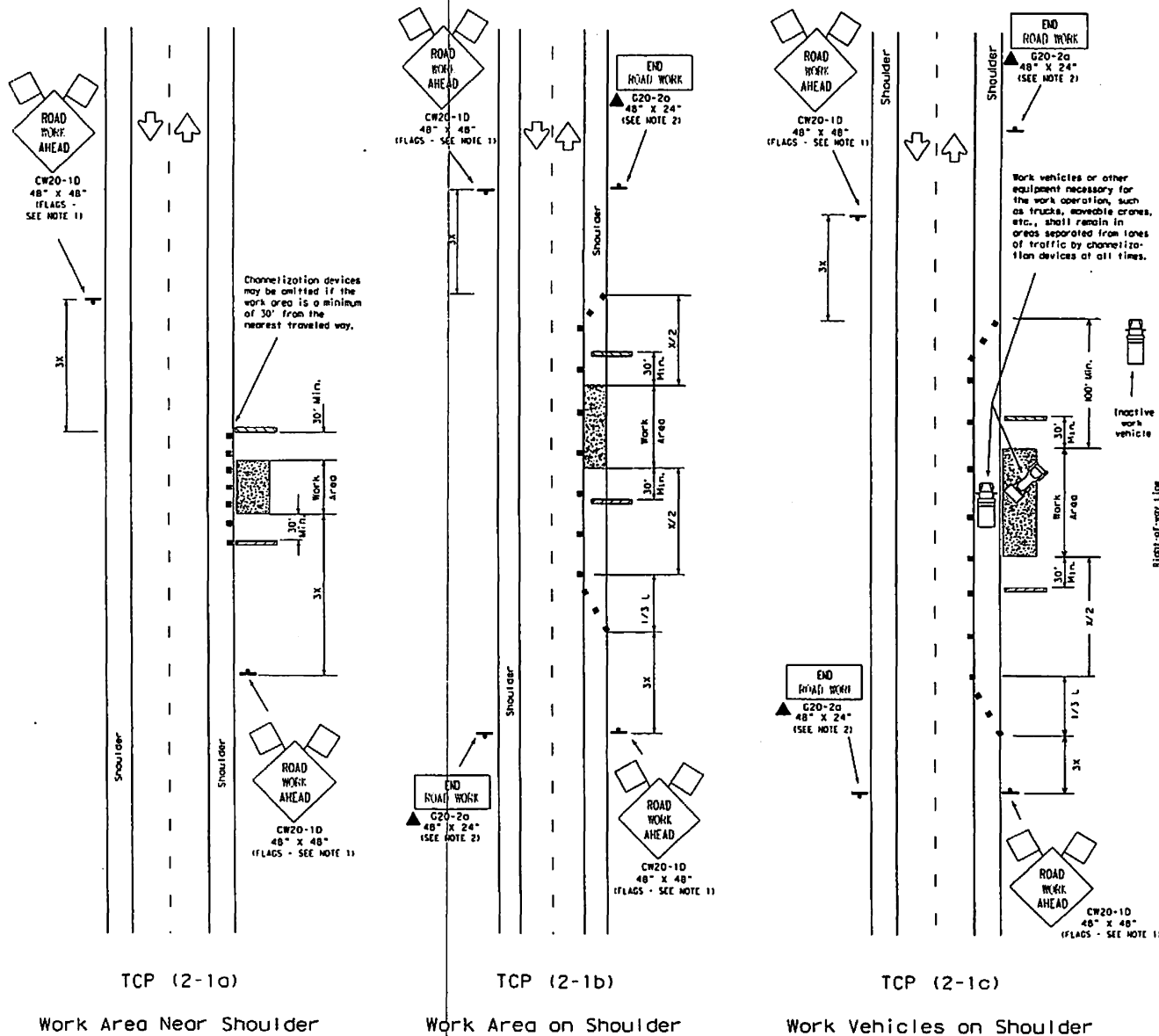
RAISED
CENTRAL KITCHEN

SITE

GRSHT OAKS

Illustration only, not to be used for construction. The minimum length of the work area is 300 feet. The minimum length of the work area is 300 feet. The minimum length of the work area is 300 feet.

Item	Quantity	Unit
1. Type III Barricade	2	Each
2. Channelizing Device	10	Each
3. Flag	10	Each
4. Heavy Work Vehicle	1	Each
5. Trailer Mounted Flashing Arrow Panel	1	Each
6. Portable Changeable Message Sign	1	Each
7. Flagger	1	Each
8. Sign Post	1	Each



LEGEND

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

Posted Speed (mi/h)	Formula	Minimum Desirable Taper Lengths (ft)		Suggested Maximum Spacing of Devices		Minimum Sign Spacing (ft)
		On a Tangent	On a Curve	On a Tangent	On a Curve	
30	$L = \frac{WS}{60}$	150'	165'	30'	60' - 75'	120'
35		205'	225'	35'	70' - 90'	160'
40		265'	295'	40'	80' - 100'	240'
45		450'	495'	45'	90' - 110'	320'
50		500'	550'	50'	100' - 125'	400'
55	$L = WS$	550'	605'	55'	110' - 140'	500'
60		600'	660'	60'	120' - 150'	600'
65		650'	715'	65'	130' - 165'	700'
70		700'	770'	70'	140' - 175'	800'
75		750'	825'	75'	150' - 185'	900'

* Conventional Roads Only
** Taper lengths have been rounded off.
L = Length of Taper (ft); W = Width of Offset (ft); S = Posted Speed (mi/h)

TYPICAL USAGES				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE 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.
- Type III barricades are required on both sides of work area at all times. (See BC Standards for barricade details.)
- Stockpiled material should be placed a minimum 30' from nearest traveled way.
- 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 sign should be placed on the "x" minimum distance.

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@atp.dwt.state.tx.us

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

TRAFFIC CONTROL PLAN

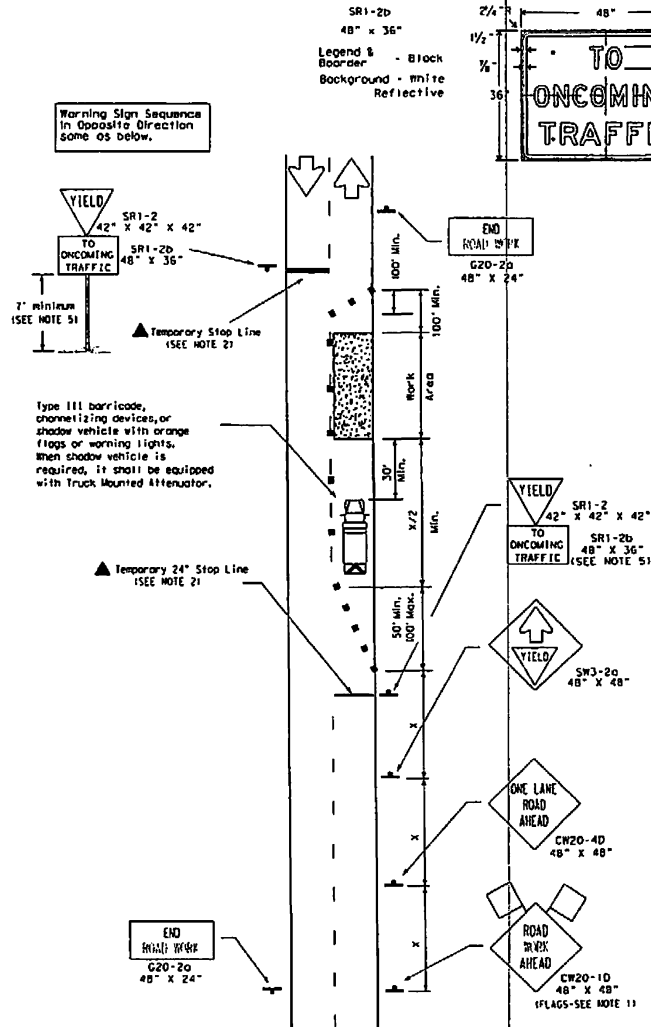
TCP (2-1)-98

DATE	December 1995	BY	TE	CHKD	TE
REVISED	2-96	BY	TE	CHKD	TE
3-95		BY	TE	CHKD	TE
1-97		BY	TE	CHKD	TE
4-98		BY	TE	CHKD	TE

DESIGNER: This standard is governed by the Texas Engineering Experiment Station, Inc. (TEXES). The use of this standard is not a warranty, nor does it constitute an endorsement of any product or service. The user assumes all responsibility for the design and construction of the project. The user assumes all responsibility for the design and construction of the project. The user assumes all responsibility for the design and construction of the project.

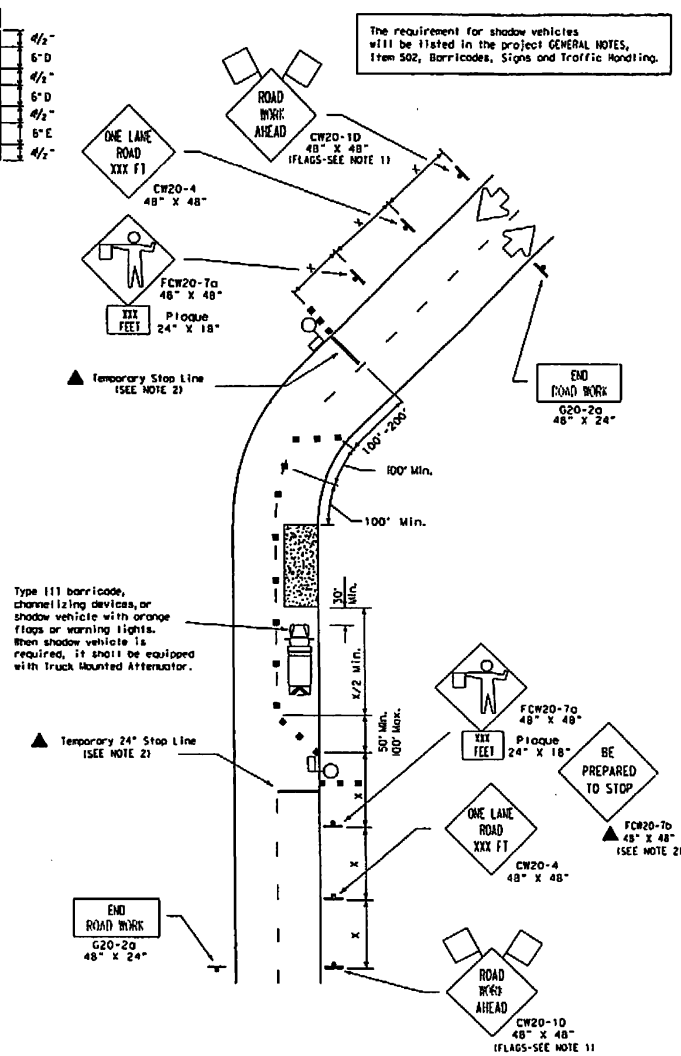
DATE	BY	CHKD	APPD
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11/11/93	11/11/93	11/11/93	11/11/93
11/11/93	11/11/93	11/11/93	11/11/93
11/11/93	11/11/93	11/11/93	11/11/93

Warning Sign Sequence in Opposite Direction same as below.



TCP (2-2a)

2-Lane Roadway Without Paved Shoulders
One Lane Closed
Adequate Field of View



TCP (2-2b)

2-Lane Roadway Without Paved Shoulders
One Lane Closed
Inadequate Field of View

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

LEGEND

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

Posted Speed (MPH)	Formula	Minimum Desirable Taper Lengths (ft)		Suggested Maximum Spacing of Devices		Minimum Sign Spacing (ft)
		On a tangent	On a curve	On a tangent	On a curve	
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60' - 75'
35		205'	225'	245'	35'	70' - 90'
40		265'	295'	320'	40'	80' - 100'
45		350'	395'	430'	45'	90' - 110'
50		450'	505'	550'	50'	100' - 125'
55	$L = WS$	550'	605'	660'	55'	110' - 140'
60		600'	660'	720'	60'	120' - 150'
65		650'	715'	780'	65'	130' - 165'
70		700'	770'	840'	70'	140' - 175'
75		750'	825'	900'	75'	150' - 180'

* 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:

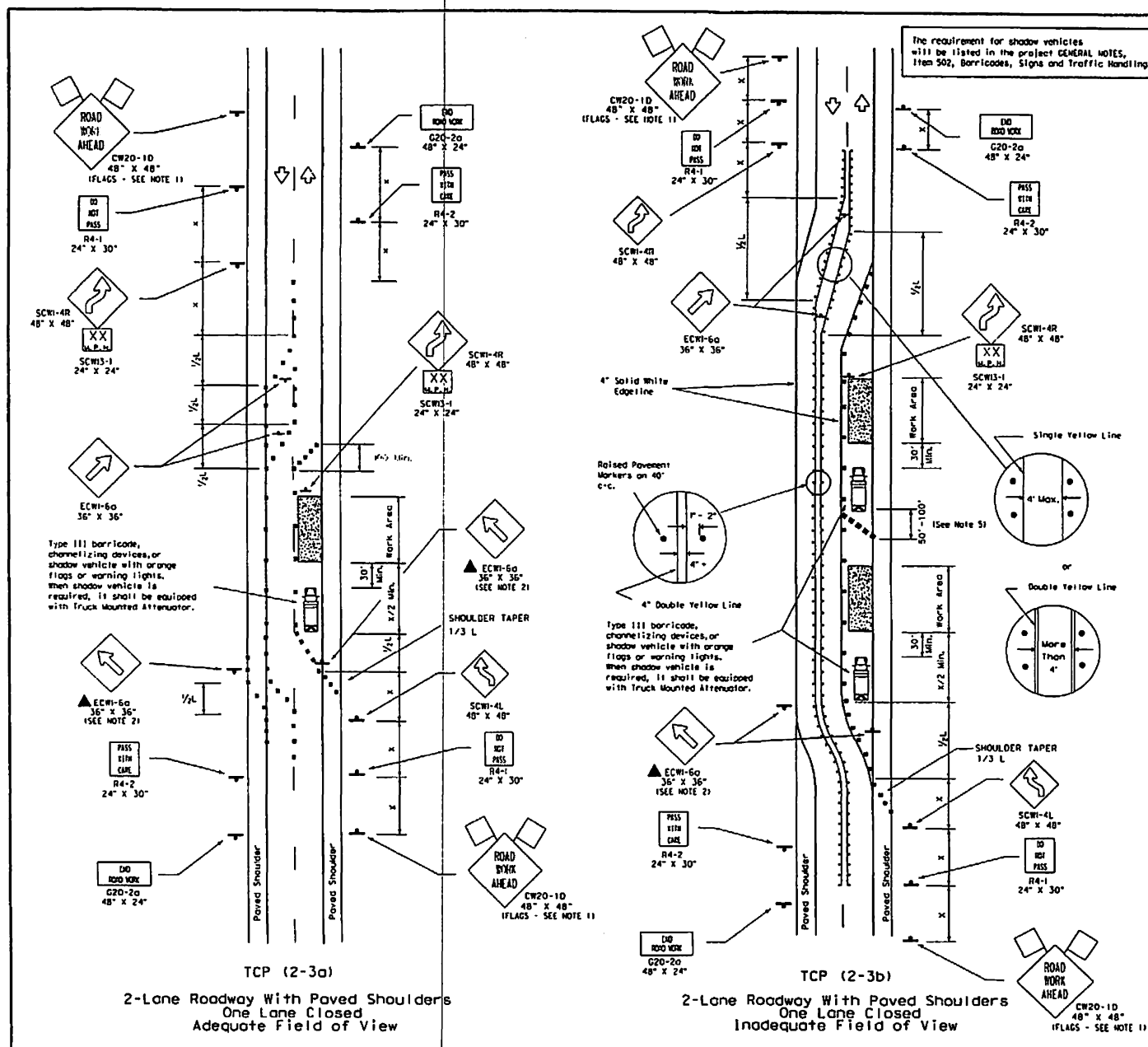
- Flags attached to signs are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.
- The BE PREPARED TO STOP sign may be installed after the ONE LANE ROAD XXX FT sign, but proper sign spacing shall be maintained.
- 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 on roadways with less than 4000 ADT and work areas should be no longer than 400'.
- YIELD TO ONCOMING TRAFFIC sign shall be placed on a support at a 7' minimum mounting height.
- Flaggers should use two-way radios or other methods of communication to control traffic.
- Length of work area should be based on the ability of flaggers to communicate.
- For intermediate term situations, when it is not feasible to remove and restore pavement markings, the channelization must be made 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 recommendation is intended for the area of conflicting information and not the entire work zone.

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

TRAFFIC CONTROL PLAN

TCP (2-2)-03

DESIGNED BY	11/11/93	CHKD BY	11/11/93	APPD BY	11/11/93
DRAWN BY	11/11/93	CHKD BY	11/11/93	APPD BY	11/11/93
CHECKED BY	11/11/93	CHKD BY	11/11/93	APPD BY	11/11/93
DATE	11/11/93	DATE	11/11/93	DATE	11/11/93

[illegible]

LEGEND

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

* * * Raised Pavement Markers Type II-A-A 140' spacing

Pneated Speed H	Formula	Minimum Desirable Torque Lengths H N			On or Off Torque	Suggested maximum Spacing or Device	Minimum sign Spacing Distance
		10' 15' 18' 20'	On or Off Torque	On or Off Torque			
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		405'	455'	540'	45'	90' - 110'	320'
50		500'	550'	600'	50'	100' - 125'	400'
55	L=WS	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'
75							

☒ 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
		✓	✓	✓ 12-36 months

GENERAL NOTES:

1. Unless otherwise stated in the plans, flags attached to signs are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans.
3. 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.
4. Control of traffic shall be maintained under all roadway conditions or heavy traffic volume require additional emphasis to safely control traffic. Flagman should be positioned at end of traffic queue.
5. DO NOT PASS, PASS WITH CARE, and construction regulatory speed zone signs may be installed on the UPHELD side of the work area. Proper spacing of signs shall be maintained.
6. When the work zone will be in place more than two weeks, conflicting pavement markings shall be removed, unless approved by the Engineer. New signs shall be placed and maintained to the satisfaction of the Engineer.
7. For intermediate term situations, when it is not feasible to remove and restore pavement markings, the channelization must be made permanent by using a minimum of 20' of concrete or asphalt paving material 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 spacing is not intended to be used for the entire length of the area of conflicting information and not the entire work zone.

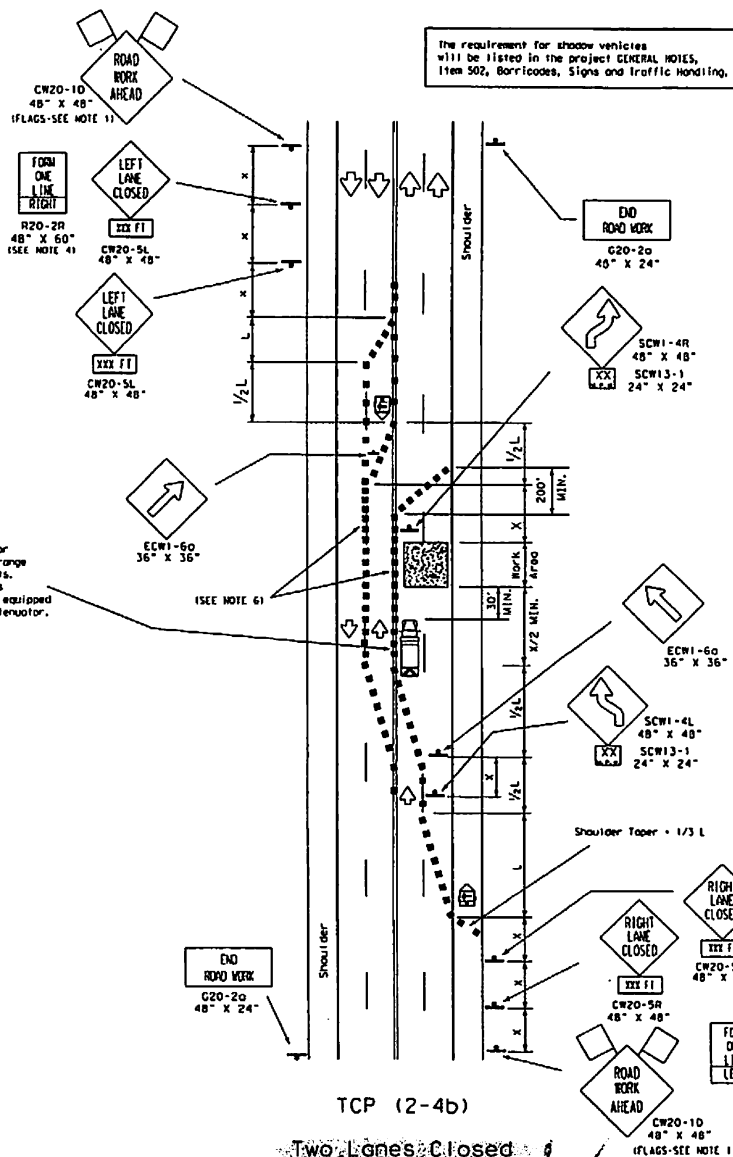
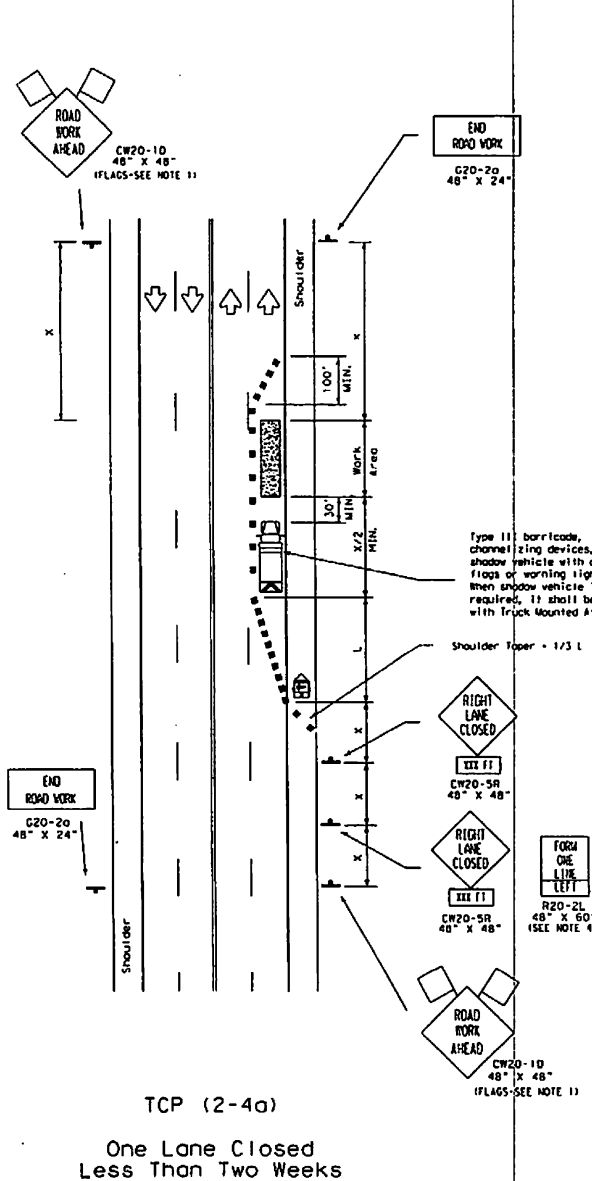

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

TRAFFIC CONTROL PLAN

TCP (2-3) -03

01:00T December 1985		W-1 R	W-1 T	W-2 D	W-3 D	W-4 D
0-95	0-95	0-95				0-95
1-97	1-97	1-97				1-97
4-98	4-98	4-98				4-98
3-03	3-03	3-03				3-03

NOTES:
1. This plan is intended for use on two-lane roads with a posted speed limit of 35 mph or less. It is not intended for use on roads with a posted speed limit of 40 mph or more.
2. The minimum length of the work zone shall be 100 feet.
3. The minimum length of the advance warning zone shall be 100 feet.
4. The minimum length of the recovery zone shall be 100 feet.
5. The minimum length of the termination zone shall be 100 feet.



LEGEND

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

Posted Speed (mph)	Formula	Minimum Desirable Taper Lengths (ft)			Suggested Maximum Spacing of Devices			Minimum Sign Spacing (ft)
		10' Offset	15' Offset	20' Offset	On a 2' Taper	On a 4' Taper	On a 6' Taper	
30	$L = \frac{WS}{60}$	150'	165'	180'	30'	60'-75'	120'	
35		205'	225'	245'	35'	70'-90'	160'	
40		265'	295'	320'	40'	80'-100'	240'	
45		450'	495'	540'	45'	90'-110'	320'	
50		500'	550'	600'	50'	100'-125'	400'	
55	$L = WS$	550'	605'	660'	55'	110'-140'	500'	
60		600'	660'	720'	60'	120'-150'	N 600'	
65		650'	715'	780'	65'	130'-165'	N 700'	
70		700'	770'	840'	70'	140'-175'	N 800'	

W = Conventional Roads Only
 WS = Taper lengths have been rounded off.
 L = Length of Taper (ft), 1/2 Width of Offset (ft), 1/2 Posted Speed (mph)

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY

- GENERAL NOTES:
- Unless otherwise stated in the plans, flags attached to signs are REQUIRED.
 - TCP (2-4b) shall be used only on projects that will be at a location for less than two weeks.
 - Existing pavement markings may remain in place for projects less than two weeks in duration.
 - The FORM ONE LINE LEFT or RIGHT sign may be used following the RIGHT or LEFT LANE CLOSED XXX FT sign. Spacing distance between signs should be the minimum distance indicated.
 - Downstream taper is optional. When used, it should be 100' minimum length per lane.
 - For intermediate term situations, when it is not feasible to remove and restore pavement markings, the channelization must be made 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 recommendation is intended for the area of conflicting information and not the entire work zone.

STANDARD PLANS
 TEXAS DEPARTMENT OF TRANSPORTATION
 Traffic Operations Division

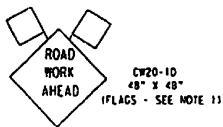
TRAFFIC CONTROL PLAN

TCP (2-4)-03

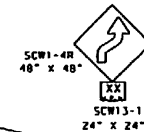
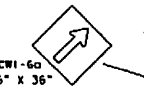
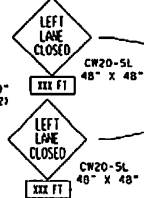
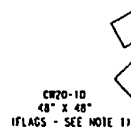
PROJECT	DATE	BY	CHKD	APP'D
1-95	1-95	1-95	1-95	1-95
1-95	1-95	1-95	1-95	1-95
1-95	1-95	1-95	1-95	1-95

REPLACEMENT
The use of this standard is governed by the Texas Engineering Practice Act. No work shall be done
which is made by 100' for 50' distance whatever. That means no responsibility for the conversion
of this standard to other formats or for incorrect results or damages resulting from its use.

DATE	BY	CHKD	APPD
11/11/11	11/11/11	11/11/11	11/11/11
11/11/11	11/11/11	11/11/11	11/11/11
11/11/11	11/11/11	11/11/11	11/11/11
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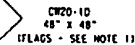


TCP (2-5a)
One Lane Closed
More Than Two Weeks



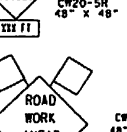
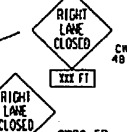
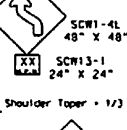
Type IIII barricade, channelizing devices, or shadow vehicle with orange flags or warning lights. When shadow vehicle is required, it shall be equipped with truck mounted attenuator.

Shoulder Taper - 1/3 L



TCP (2-5b)
Two Lanes Closed
More Than Two Weeks

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



LEGEND

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

Posted Speed (mi/h)	Formula	Minimum Distance (ft)	Minimum Distance (ft)	Minimum Distance (ft)	Minimum Distance (ft)	Minimum Distance (ft)
30	$L = \frac{WS}{60}$	150'	165'	180'	30'	60' - 75'
35		205'	225'	245'	35'	70' - 90'
40		265'	295'	320'	40'	80' - 100'
45		330'	365'	390'	45'	90' - 110'
50		400'	440'	480'	50'	100' - 125'
55		475'	520'	565'	55'	110' - 140'
60		560'	610'	660'	60'	120' - 150'
65		650'	705'	760'	65'	130' - 165'
70		750'	810'	870'	70'	140' - 175'

* Conventional Roads Only
36" taper lengths have been rounded off.
L = Length of Taper (ft), S = Speed (mi/h), W = Width of Roadway (ft)

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

GENERAL NOTES:

- Unless otherwise stated in the plans, flags attached to signs are REQUIRED.
- The FORM ONE LANE LEFT (or RIGHT) sign may be used following the RIGHT (or LEFT) LANE CLOSED XXX FT sign. Spacing distance between signs should be the minimum distance indicated.
- When the work zone will be in place more than two weeks, conflicting pavement markings shall be removed. New markings shall be installed and maintained to the satisfaction of the Engineer.
- Downstream taper is optional. When used, it should be 100' minimum length per lane.
- For intermediate term situations, when it is not feasible to remove and restore pavement markings, the channelization must be made permanent 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 recommendation is intended for the area of conflicting information and not the entire work zone.

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

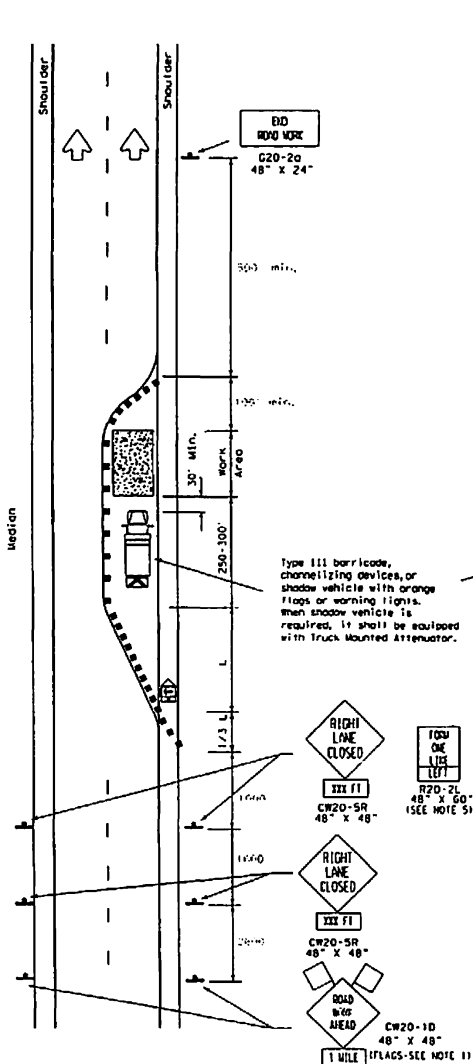
TRAFFIC CONTROL PLAN

TCP (2-5) - 03

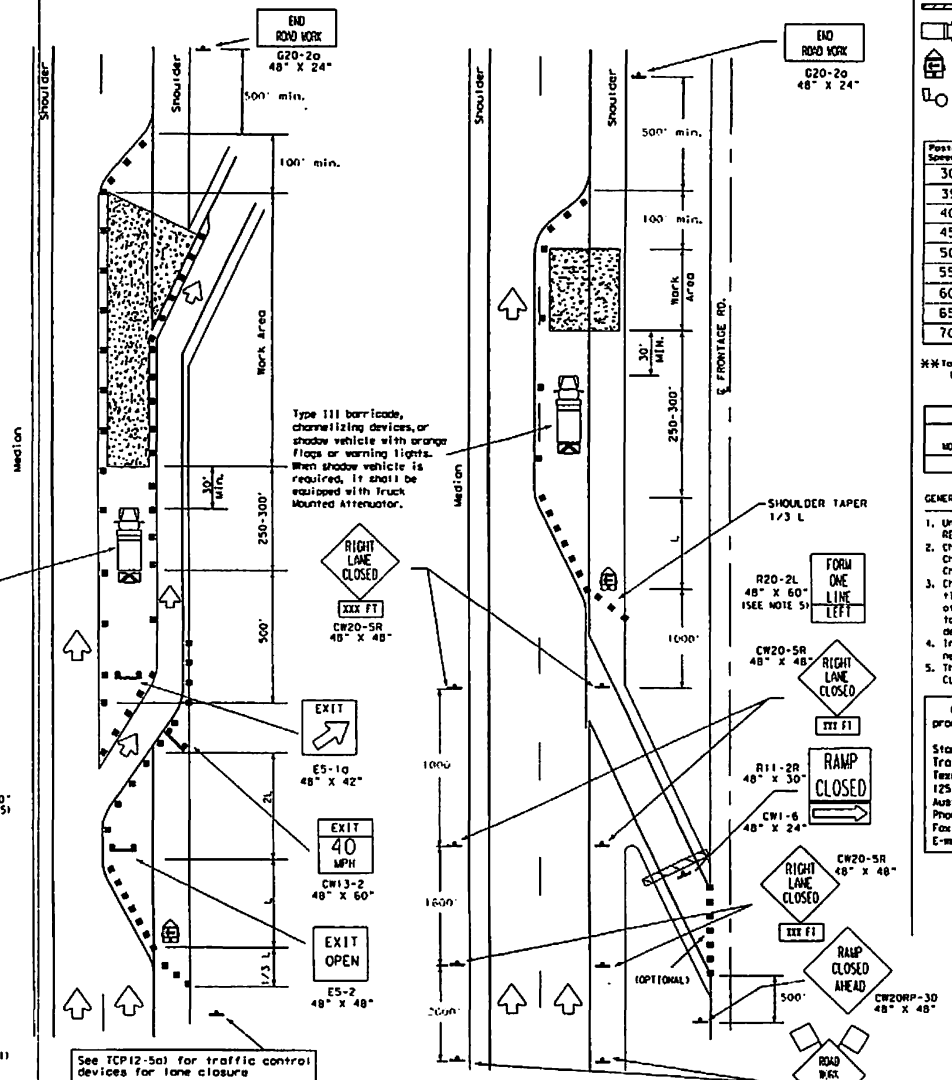
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11/11/11	11/11/11	11/11/11	11/11/11
11/11/11	11/11/11	11/11/11	11/11/11

These plans are to be used in conjunction with the Texas Department of Transportation's Traffic Control Plan, which is a part of the Texas Department of Transportation's Traffic Control Plan. The plans are to be used in conjunction with the Texas Department of Transportation's Traffic Control Plan, which is a part of the Texas Department of Transportation's Traffic Control Plan.

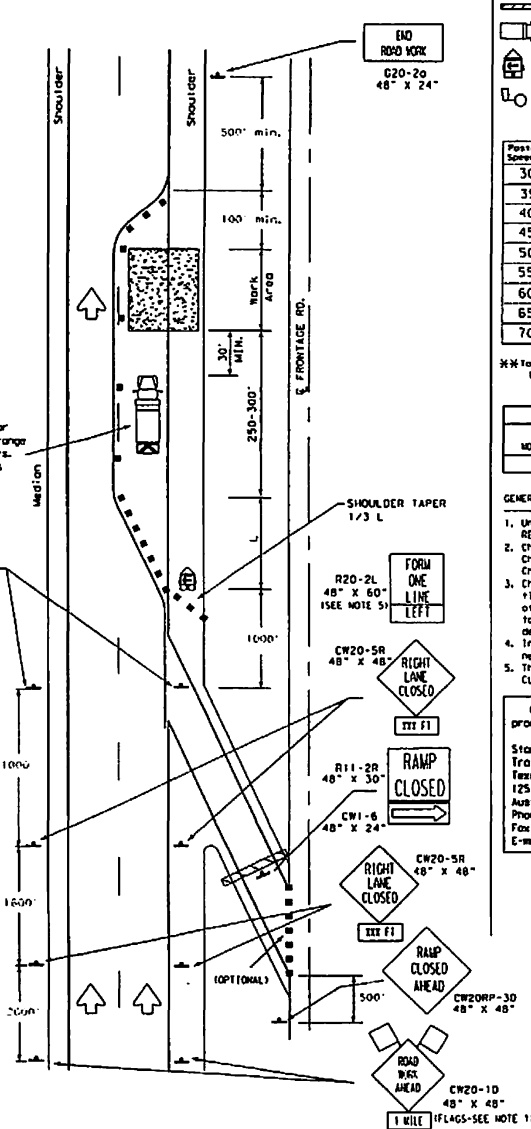
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11/11/95	11/11/95	11/11/95	11/11/95
11/11/95	11/11/95	11/11/95	11/11/95



TCP (2-6a)
One Lane Closure



TCP (2-6b)
Lane Closure Near Exit Ramps



TCP (2-6c)
Lane Closure Near Entrance Ramps

LEGEND

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

Posted Speed	Formula	Minimum Desirable Taper Lengths (ft.)			Suggested Maximum Spacing of Devices	
		On a Taper	On a Tangent	On a Curve	On a Tangent	On a Curve
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'-75'
35		205'	225'	245'	35'	70'-90'
40		265'	295'	320'	40'	80'-100'
45		450'	495'	540'	45'	90'-110'
50		900'	990'	1080'	50'	100'-125'
55		1550'	1695'	1840'	55'	110'-140'
60		2600'	2840'	3080'	60'	120'-150'
65		4050'	4395'	4740'	65'	130'-165'
70		6900'	7395'	7840'	70'	140'-175'

*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:

- Unless otherwise stated in the plans, flags attached to signs are required.
- Channelizing devices used to close lanes may be supplemented with the Channel Alignment Sign placed on every other channelizing device. Channel markers may be attached to plastic drums as per TxDOT Standards.
- Channelizing devices used along the work area or along tangent sections may be supplemented with vertical panels (VP) placed on every other channelizing device. If night time conditions make it difficult to see at least two VP's, the VP's may be placed on each channelizing device.
- In areas with safety lighting or continuous illumination the channelizing devices can be supplemented with delineators.
- The FOR ONE LANE LEFT sign may be used following the RIGHT LANE CLOSED sign.

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

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

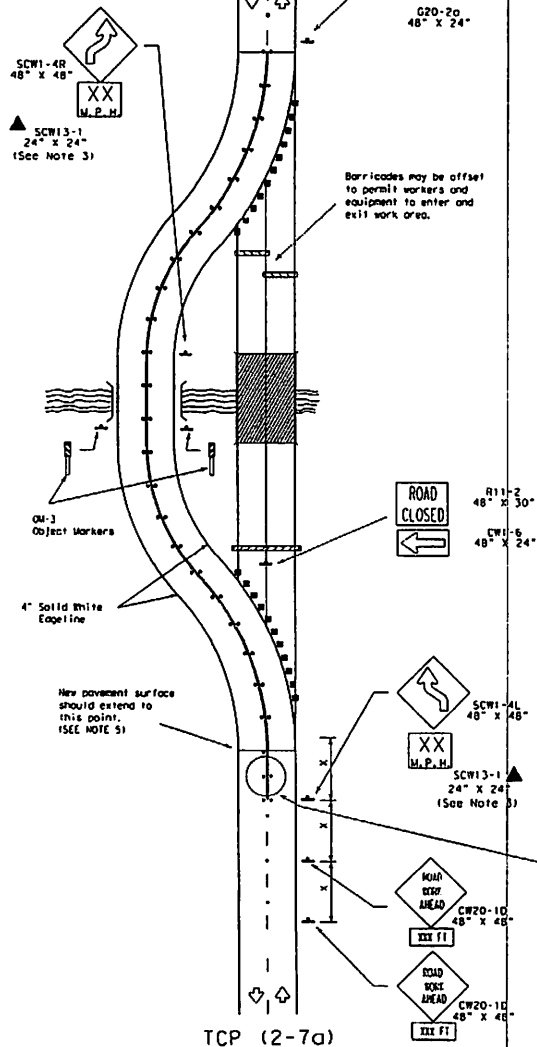
TCP (2-6) - 98

REVISION	DATE	BY	CHKD	APPD
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3	11/11/95	11/11/95	11/11/95	11/11/95
4	11/11/95	11/11/95	11/11/95	11/11/95

DESIGNED BY: [Name] DATE: [Date]
 CHECKED BY: [Name] DATE: [Date]
 APPROVED BY: [Name] DATE: [Date]

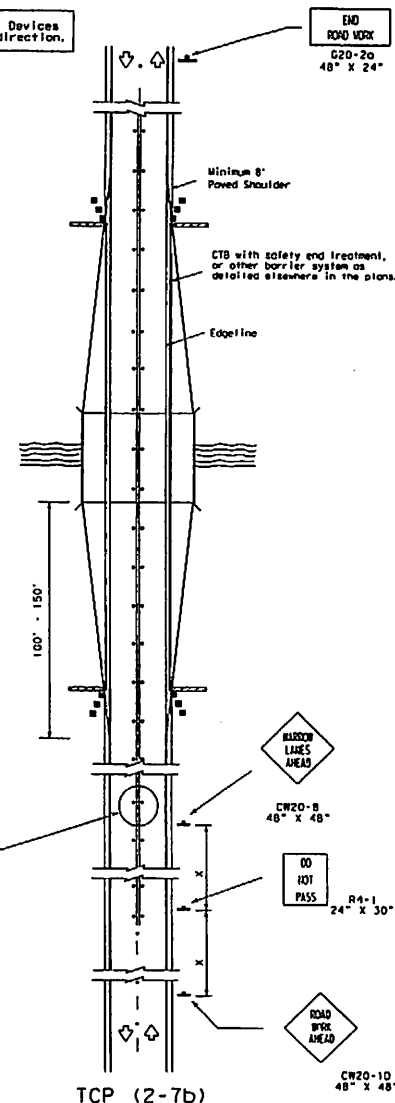
NO.	DATE	BY	REVISION
1	12/15/95	LM	ISSUED FOR BIDDING
2	1/10/96	LM	REVISED TO ADD TYPICAL PLAN
3	1/10/96	LM	REVISED TO ADD TYPICAL PLAN
4	1/10/96	LM	REVISED TO ADD TYPICAL PLAN
5	1/10/96	LM	REVISED TO ADD TYPICAL PLAN
6	1/10/96	LM	REVISED TO ADD TYPICAL PLAN
7	1/10/96	LM	REVISED TO ADD TYPICAL PLAN
8	1/10/96	LM	REVISED TO ADD TYPICAL PLAN
9	1/10/96	LM	REVISED TO ADD TYPICAL PLAN
10	1/10/96	LM	REVISED TO ADD TYPICAL PLAN

Traffic Control Devices shown for one direction.



TCP (2-7a) Roadway Diversion

Traffic Control Devices shown for one direction.



TCP (2-7b) Bridge Widening

LEGEND

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

Posted Speed (mi/hr)	Formula	Minimum Desirable Taper Lengths (ft.)			Suggested Maximum Spacing of Device		Minimum Sign Spacing (ft.)
		On O Offset	On O Offset	On O Offset	On O Taper	On O Taper	
30	$L = \frac{WS}{60}$	150'	165'	180'	30'	60'-75'	120'
35		205'	225'	245'	35'	70'-90'	160'
40		265'	295'	320'	40'	80'-100'	240'
45		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'

W = Conventional Roads Only

W = Taper lengths have been rounded off.

L = Length of Taper (ft.) O = Offset of Taper (ft.) S = Posted Speed (mi/hr)

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

GENERAL NOTES:

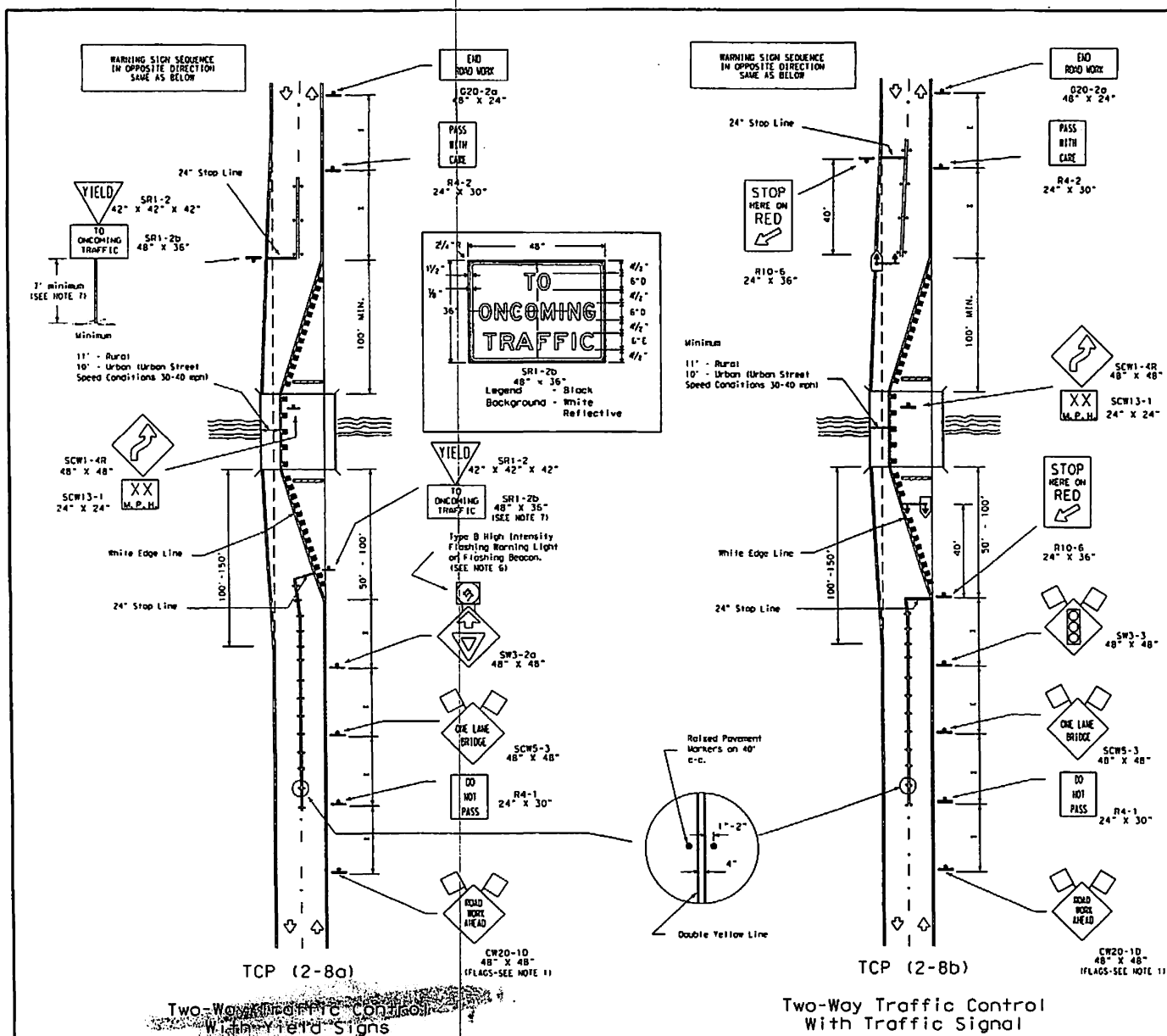
- Unless otherwise stated in the plans, flags attached to signs are REQUIRED.
- Raised pavement markers shall be placed 40' c/c on centerline throughout project.
- All traffic control devices illustrated are REQUIRED, except those with the triangle symbol may be omitted when stated elsewhere in the plans.
- Roadway diversion design requirement should be based on posted speed limit or prevailing speeds.
- New pavement surface should be extended across existing roadway edge to a point where existing pavement markings left in place during project do not conflict with construction area pavement markings.

STANDARD PLANS
 TEXAS DEPARTMENT OF TRANSPORTATION
 Traffic Operations Division

TRAFFIC CONTROL PLAN

TCP (2-7) - 03

12/01/95	12/01/95	12/01/95	12/01/95	12/01/95	12/01/95	12/01/95	12/01/95	12/01/95	12/01/95
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[illegible]

LEGEND

-  Type III Barricade
  Channelizing Devices
  Flag
 Flagger
  Sign Post
  Temporary or Portable Traffic Signals
 • • • Raised Pavement Markers Type II-A-4 (40' spacing)

Posted Speed in Miles Per Hour	Formula	Minimum Desirable Tower Spacing (meters)		Suggested Maximum Spacing of Device		Minimum Sign Spacing Distance	
		On a Straight	On a Curve	On a Straight	On a Curve		
30	$L = \frac{WS}{60}$	150'	115'	180'	30'	60' - 75'	120'
35		205'	225'	245'	35'	70' - 90'	160'
40		265'	295'	320'	40'	80' - 100'	240'
45		495'	495'	540'	45'	90' - 110'	320'
50		500'	550'	600'	50'	100' - 125'	400'
55	$L = WS$	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'
75		750'	825'	900'	75'	150' - 185'	# 900'

* 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:				
MODE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
			✓	✓

GENERAL NOTES:

1. Unless otherwise stated in the plans, flags attached to signs are **REQUIRED**.
 2. Advance Warning signing shall be for one direction.
 3. Raised reflective pavement markers shall be placed 40' c/c on centerline between ROAD WORK AHEAD signs and stop lines.
 4. For intermediate term installations, when it is not feasible to remove or alter existing pavement markings, the channelization must be made dominant by using a very close spacing. This is especially important in locations of conflicting installation, 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 recommendation is intended for the area of conflicting installation and not the entire work zone.
- TCR 12-2a)**
5. Traffic control by YIELD AHEAD symbol signs for one lane two-way traffic control operations should be limited to structures less than 400' long and roadways with less than 4000 ADT. Portable traffic signs should be used on other roadways.
 6. If power is available, a flashing beacon should be attached to the YIELD AHEAD symbol sign and used in the following situations:
 1. YIELD and 10 DECREASING YIELD signs and other regulatory signs shall be installed at 7' minimum mounting height.

TCP 12-80)

8. A list of approved Portable Traffic Signals can be found on compliant products list.


STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

TRAFFIC CONTROL PLAN

TCP (2-8) -03

12xDOT December 1995		Day: LR	Title: MT	Date: DM	Page: 1
Month/Year 8-95 1-97 4-98 5-98	Name 6	PERSON AND TITLE			Dept
C/M/1		COURSE	SECTION	#	Remarks