



Fort Bend County Engineering
FORT BEND COUNTY, TEXAS

J. Stacy Slawinski, P.E.
County Engineer

December 31, 2020

Commissioner Vincent M. Morales Jr.
Fort Bend County Precinct 1
1517 Eugene Heimann Circle, Suite 300
Richmond, Texas 77469

RE: Temporary Road Closure – Needville Fairchilds road at FM 361 for roadway pavement repairs, on behalf of TxDot

Dear Commissioner:

Texas Department of Transportation is requesting temporary road closure of Needville Fairchilds road at FM361 for roadway pavement repairs, pursuant to Section 251.011 of the Texas Transportation Code. The request for temporary road closure is February 1, 2021 until the project is complete. The planned closure is for a period of (4-6) weeks unless impacted by weather.

The request will be placed on the January 12, 2021 Commissioners Court agenda. The detours and traffic control plan is attached. Advance warning signage will be posted prior to the road closure.

Should you have any questions please do not hesitate to call me at 281-633-7509.

Sincerely,

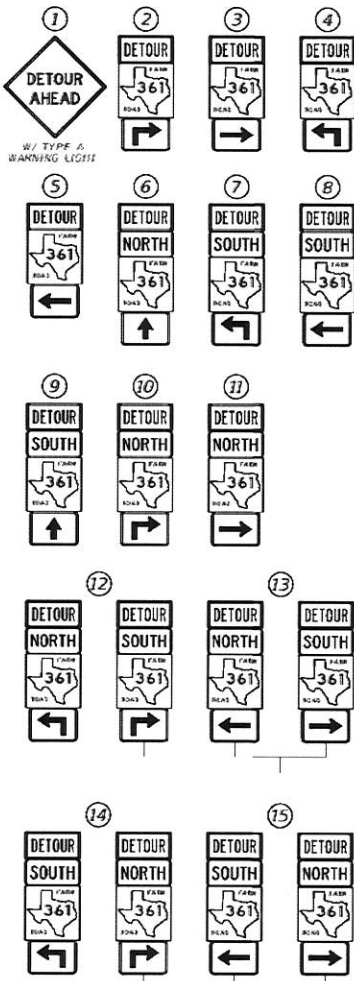
Rick J. Staigle, P.E., PTOE
First Assistant County Engineer

RJS/mjs

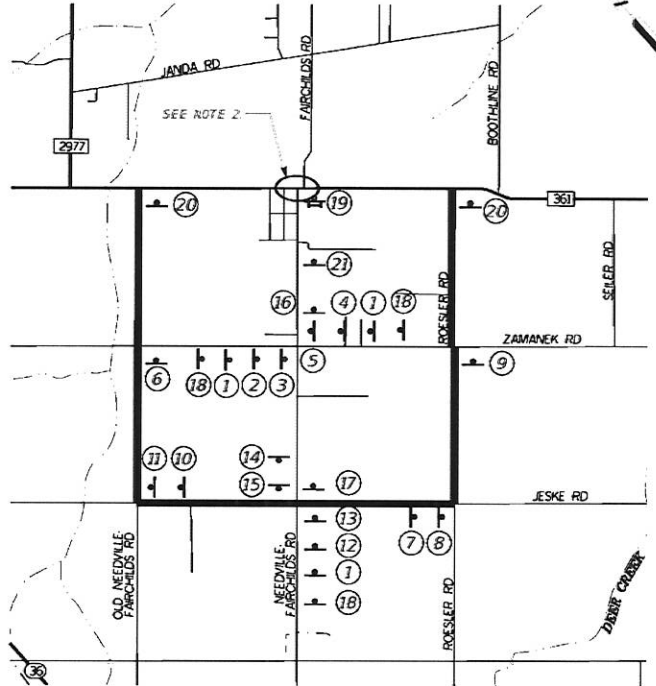
Attachment: Detour map

cc: Mr. William Semora Jr, TxDot William.Semora@txdot.gov
Mr. Tarik Taheri, TxDot Tarik.Taheri@txdot.gov
Mr. Bill Babbington, Durwood Green Construction, bbabbington@durwoodgreene.com
Mr. Stacy Slawinski, P.E., FBC Engineering
Ms. Maggie Dalton, FBC Engineering
Mr. Scott Wieghat, FBC Road & Bridge
Mr. Wesley Crawford, FBC Engineering
Mr. Brian Fields, FBC Road & Bridge
Mr. Chris Debaillon, P.E., PTOE, Assistant County Engineer -Traffic
Major Chad Norvell, FBC Sheriff's Office Chad.norvell@fortbendcountytexas.gov
File

301 Jackson St., Suite 401, Richmond, TX 77469
Phone 281-633-7500



W/ TYPE A WARNING LIGHTS

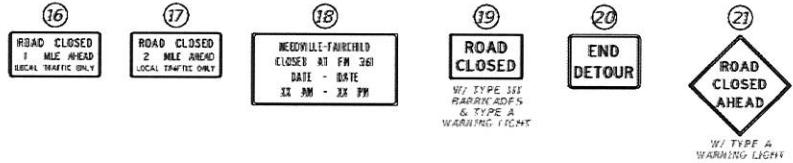


LEGEND:

- SIGN
- TYPE III BARRICADE

NOTES:

1. THIS ROAD CLOSURE DETOUR IS TO BE USED FOR THE CLOSURE OF NEEDVILLE-FAIRCHILD RD. AT FM 361.
2. FOR ONE-LANE TWO-WAY CONTROL OR FM 361 AS NEEDVILLE-FAIRCHILD RD., REFER TO STANDARD TC 97-28-18.
3. MESSAGE BOARDS '18' TO BE IN PLACE TWO (2) WEEKS PRIOR TO ROAD CLOSURE.
4. FOR SIGN SPACING, REFER TO BC STANDARDS.
5. TYPE III BARRICADES TO BE PLACED ACROSS ENTIRE ROADWAY.
6. PROVIDE FLASHING WARNING LIGHTS ON ALL WARNING SIGNS AND BARRICADES.
7. PRIOR TO OPENING TO TRAFFIC, PLACE WORK ZONE PAVEMENT MARKINGS.



Robert S. Bassett, Jr.

11/13/2020

DETOUR LAYOUT
NEEDVILLE-FAIRCHILD RD.
CLOSURE AT FM 361

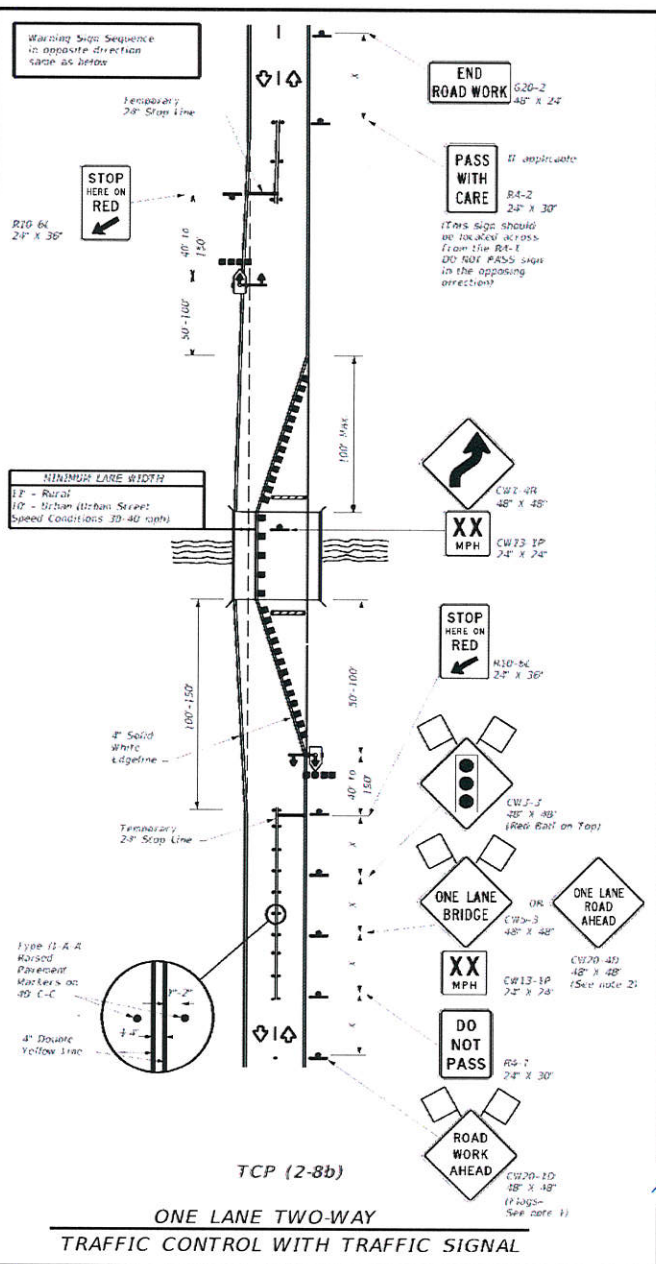
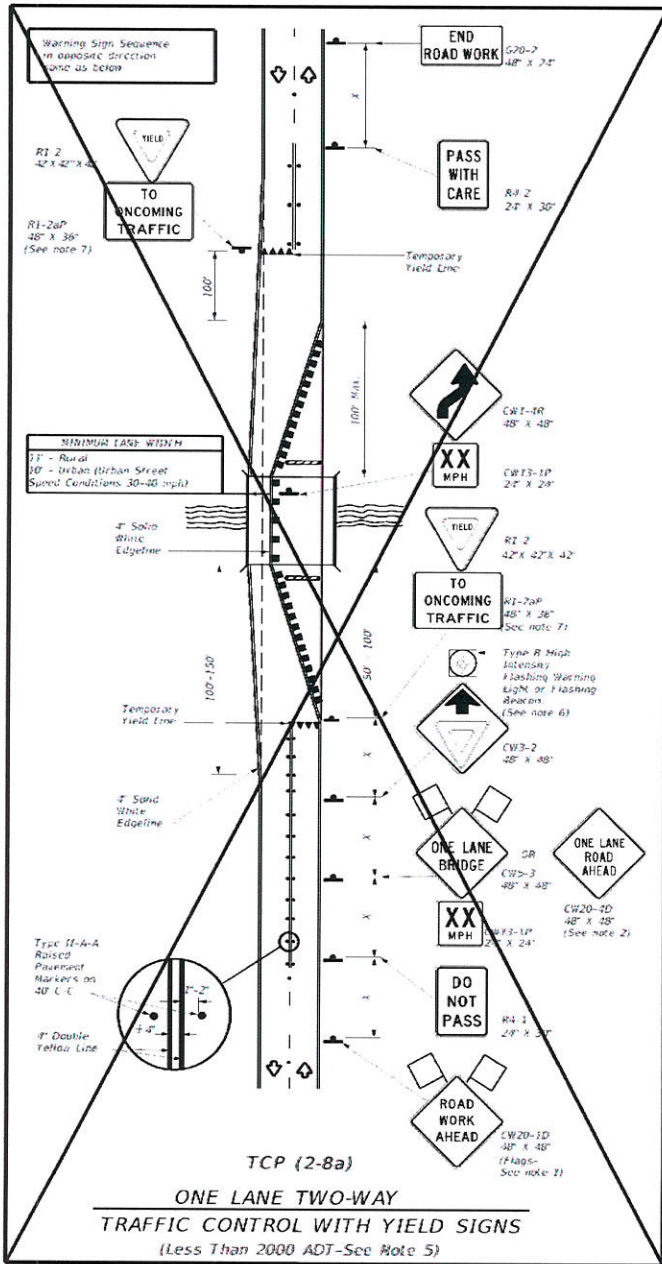


SHEET 3 OF 3

CONTRACT	SECTION	JOB NO.	PIGMENT
0838	03	024	FM 361
DISTRICT	COUNTY	SHEET NO.	
HOU	FORT BEND	398	

▲ SHEET ADDED PER CHANGE ORDER NO. 4

SCALE: 1"=400'



LEGEND

	Type 3 Barricade		Channelizing Devices
	Sign		Traffic Flow
	Flag		Tugger
	Raised Pavement Markers T1 12-44		Temporary or Portable Traffic Signal

Posted Speed P	Pavement Condition	Minimum Spacing of Channelizing Devices		Minimum Sign Spacing on a Tapered Distance	Suggested Complimentary Buffer Space 18'	Stopping Sight Distance
		On a Taper	On a Straight			
30	WS	150'	180'	30'	120'	200'
35		205'	245'	35'	160'	250'
40	GS	265'	320'	40'	240'	300'
45		350'	420'	45'	320'	360'
50	GS	450'	540'	50'	400'	425'
55		550'	660'	55'	500'	495'
60	GS	650'	780'	60'	600'	570'
65		800'	960'	65'	800'	645'
70	GS	1000'	1200'	70'	1000'	730'
75		1200'	1440'	75'	1200'	800'

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

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE PERMANENT	LONG TERM STATIONARY

- GENERAL NOTES**
- Flags attached to signs where shown are REQUIRED.
 - When this TCP is used at a location which does not require a bridge, a 48" x 48" CW20-4D "ONE LANE ROAD AHEAD" sign should be used in lieu of the CW3-3 "ONE LANE BRIDGE" sign. The CW13-1P Advisory Speed Plaque is required with other warning signs.
 - Raised pavement markers shall be placed 40 feet C-C on centerline between 100' and 150' from the narrow section.
 - For mesopavement type situations, when it is not feasible to remove and restore pavement markings, the channelizing must be laid down by using a very close spacing. This is especially important in locations of conflicting interaction, such as where traffic is oriented over a double yellow centerline. In such locations, a channelizing device spacing of 20 feet is recommended. The 20 foot channelizing device spacing recommendation is intended for the area of conflicting interaction and not the entire work zone.
- TCP (2-8a)**
- Traffic control by CW3-2 "FIELD AHEAD" symbol signs for one lane two-way traffic control operations should be limited to work zones less than 400 feet long and roadways with less than 2000 ADT. Detourable portable traffic signs should be used.
 - If power is available, a flashing beacon should be attached to the CW3-2 "FIELD AHEAD" symbol sign for emphasis.
 - The R1-2 "YIELD" and R1-2aP "TO ONCOMING TRAFFIC" signs and other regulatory signs shall be installed at 1 foot minimum clearance height.
- TCP (2-8b)**
- A list of approved Portable Traffic Signals can be found in the "Compliant Work Zone Traffic Control Devices" list.
 - Portable traffic signals should be located to provide adequate stopping sight distance for approaching motorists (See Table below).



Robert S. Bissett, P.E.

11/13/2020

Texas Department of Transportation

Traffic Operations Division Standard

TRAFFIC CONTROL PLAN
LONG TERM ONE-LANE TWO-WAY CONTROL
△ SHEET ADDED PER CHANGE ORDER NO. 9
TCP(2-8)-18 (MOD)

REV	DATE	DESCRIPTION	BY	CHK	APP
1	08/03/2018	ISSUED	08/03	024	EM 367
2	09/03/2018	REVISED	09/03	024	EM 367
3	09/03/2018	REVISED	09/03	024	EM 367
4	09/03/2018	REVISED	09/03	024	EM 367

PROJECT: FORT BRASS

SHEET NO: 61A