



**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: 2017-17523

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: [REDACTED] 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

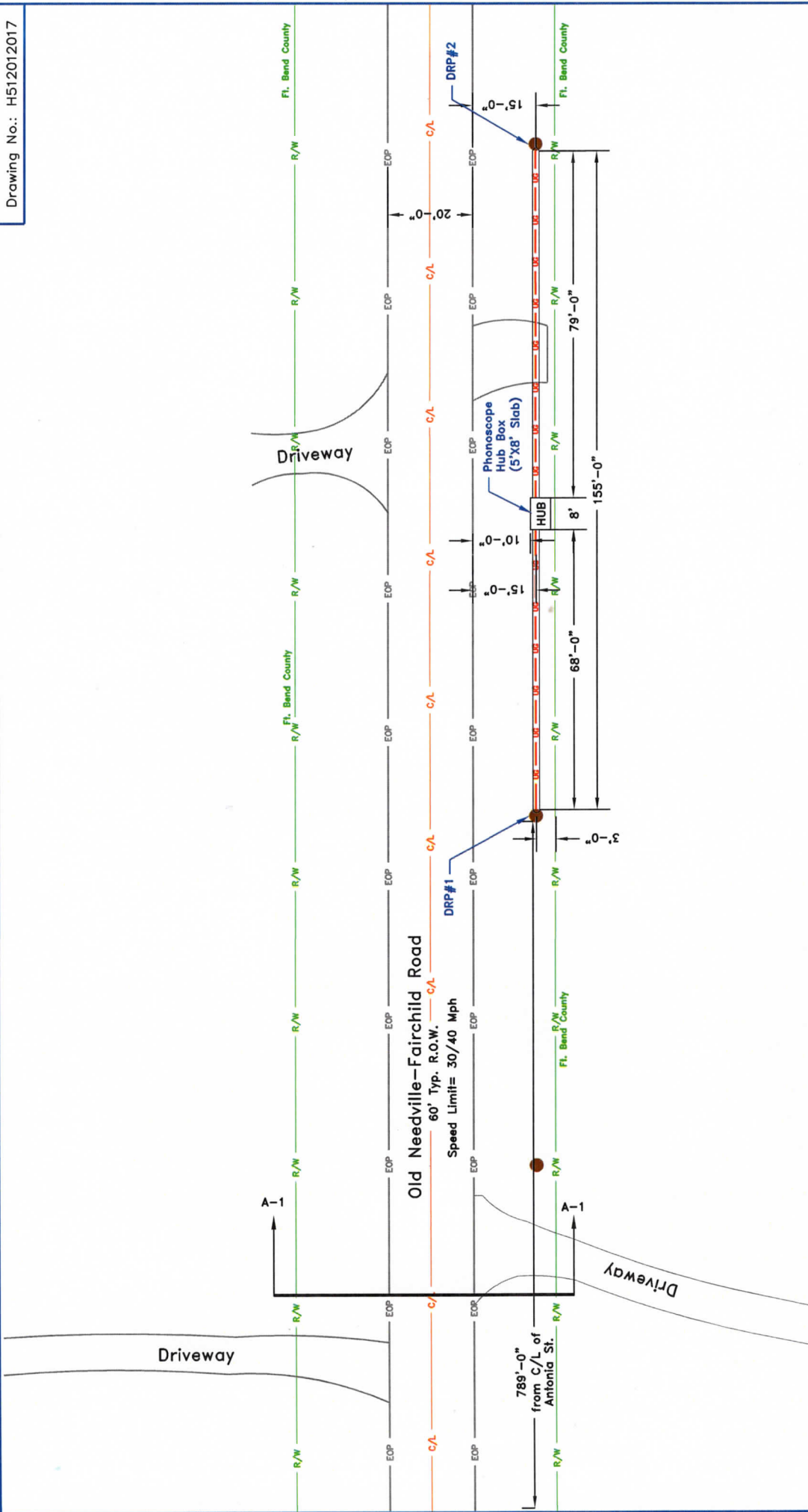
We have reviewed this project and agree it meets minimum requirements.

Charles O. Ay

Permit Administrator

12/27/2017

Date



Symbol	Description	Revisions		Job#	1117-519-NV-HUB
		1. REVISED BY: FREDDY LARA 12/11/2017			
	● A MIN. DEPTH OF 48" BELOW EXISTING NAT. GRADE	2			
		3			
HUB	PHONOSCOPE HUB BOX				
●	EXISTING UTILITY POLE				
5		4			
		5			
6		6			
		7			
8		8			

PHONOSCOPE		JOB# 1117-519-NV-HUB	
INNOVATIONS IN TECHNOLOGY SINCE 1952		NOTICE OF PROPOSED UTILITY INSTALLATION	
CONFIDENTIAL AND PROPERTY INFORMATION EXCEPT AS MAY BE OTHERWISE PROVIDED IN CONTRACT. THESE DRAWINGS AND INFORMATION ARE THE PROPERTY OF PHONOSCOPE. WITH ARE ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, LOANED, OR ANY MANNER, WITHOUT WRITTEN PERMISSION FROM PHONOSCOPE. SUBJECT TO REVISION.		PROPOSED UNDERGROUND WIRELINE CONSTRUCTION	
		Phase: PERMIT- UG ROW SITE PLAN-UG ROW	
Drawn By: Harrell Taylor	Approved by: N.T.S.	Job# 1117-519	W. 0.# 09475
Key Map #:		684 S	1 of 2

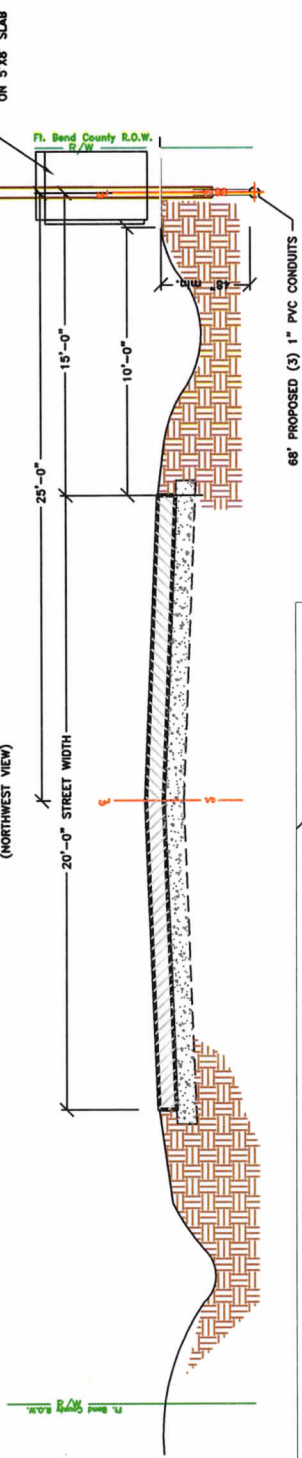
PHONOSCOPE	INNOVATIONS IN TECHNOLOGY SINCE 1952	Job# 1117-519-NV-HUB
NOTICE OF PROPOSED UTILITY INSTALLATION	PROPOSED UNDERGROUND WIRELINE CONSTRUCTION	PERMIT-UG ROW
Drawn By: Horrell Taylor	Approved by: [Signature]	Scale: N.T.S.
Date: 12/01/2017	Job# 1117-519	W. O.# 09475
Key Map # 884 S		1 of 2

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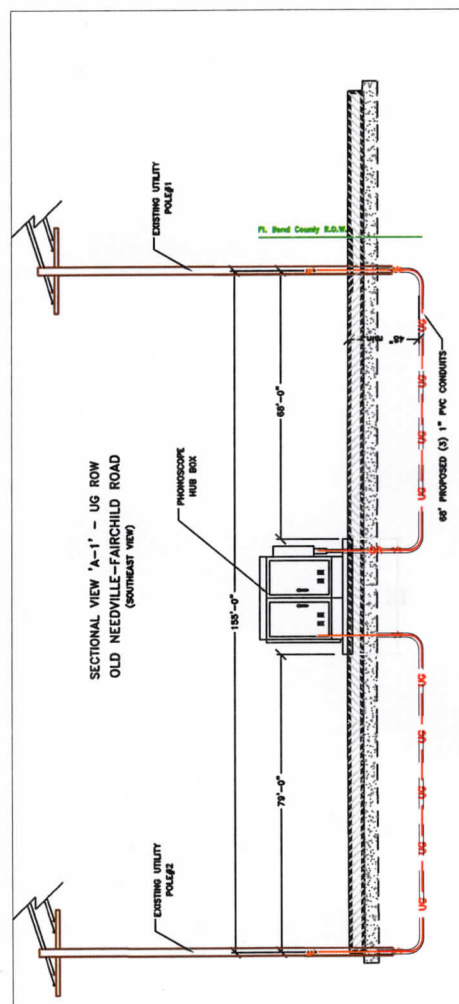
General Notes:

- 1) Surface to be restored to its original condition in compliance with the Fort Bend County standards.
- 2) Traffic Control Plan (1-1c) standards to be used as noted on page 3. (If necessary)
- 3) No lane closure required during construction of this project

SECTIONAL VIEW 'A-1' - UG ROW
OLD NEEDVILLE-FAIRCHILD ROAD
(NORTHWEST VIEW)



SECTIONAL VIEW 'A-1' - UG ROW
OLD NEEDVILLE-FAIRCHILD ROAD
(SOUTHWEST VIEW)



Symbol	Description	Revisions
(3) 1" PVC CONDUIT ENCASED FIBER OPTIC CABLE UNDERGROUND	1	
• A MIN. DEPTH OF 48" BELOW EXISTING NAT. GRADE	2	
PHONOSCOPE HUB BOX	3	
EXISTING UTILITY POLE	4	
	5	
	6	
	7	
	8	

PHQSCOPE

INNOVATIONS IN TECHNOLOGY SINCE 1952

CONFIDENTIAL AND PROPRIETARY INFORMATION EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT. THESE INNOVATIONS ARE NOT TO BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF PHQSCOPE. THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE.

Approved By: Horrell Taylor
Scale: N.T.S.
Date: 12/01/2017

Key Map #: 684 S

JOB# 1117-519-NV-HUB

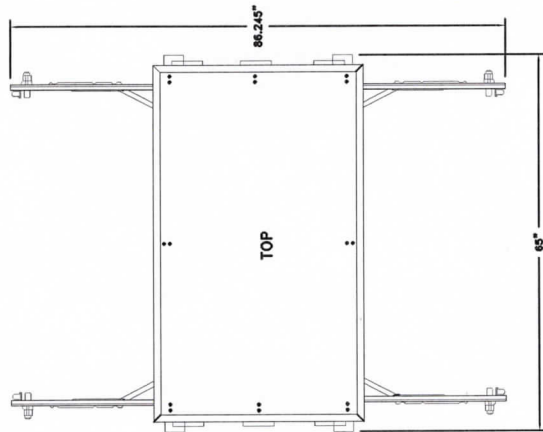
NOTICE OF PROPOSED UTILITY INSTALLATION

PROPOSED UNDERGROUND WIRELINE CONSTRUCTION

PERMIT-UG ROW

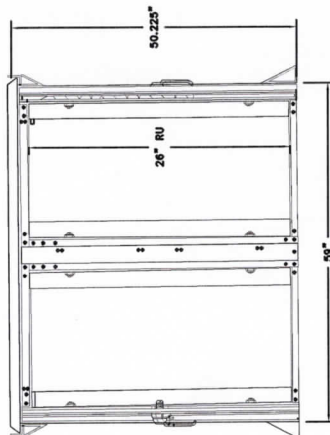
Job# 1117-519 W. O.# 09475

2 of 2



TOP

FRONT



50.225"

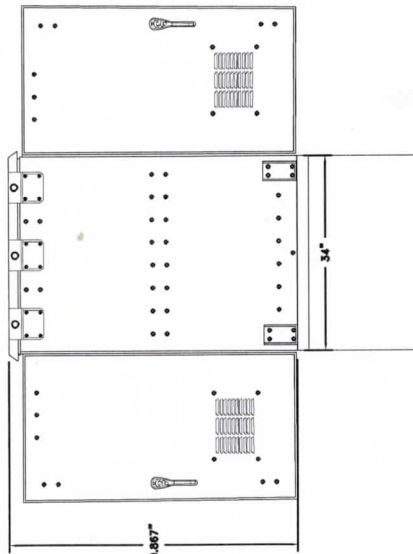
26" RU

50.867"

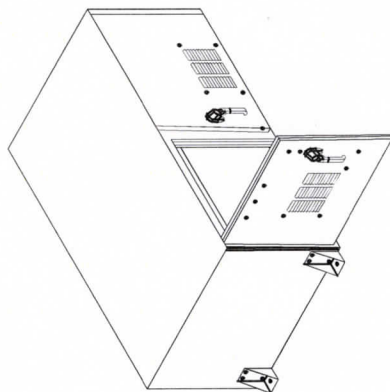
59"

THE 20D-62DDXC-A1 ENCLOSURE SEEN
IS FOR VISUALIZATION PURPOSES ONLY

RIGHT SIDE



34"



Approved By:

Symbol	Description

Revisions

CONFIDENTIAL AND PROPRIETARY

Key Map #: 684 S

Drawn By:
Harrell Taylor

Scale:
N.T.S.

Date:
12/04/2017



PHONOSCOPE

NEEDVILLE HUB BOX

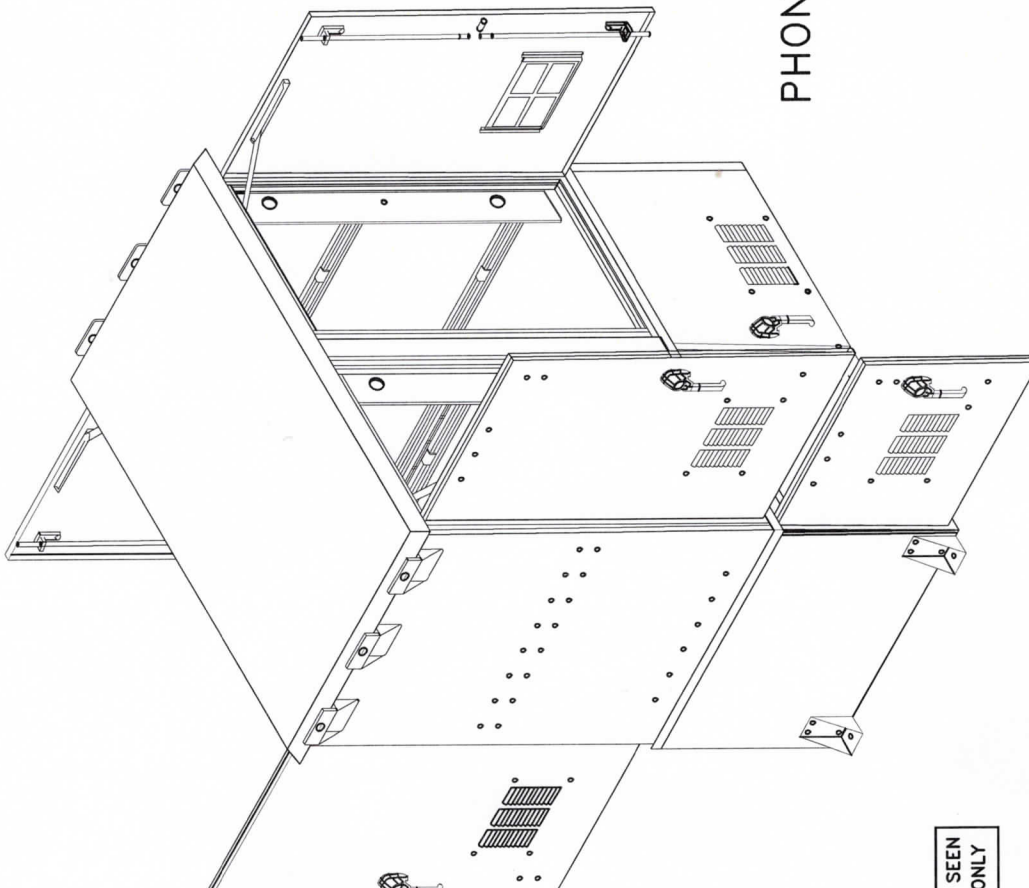
NEEDVILLE HUB BOX

OLD NEEDVILLE-FAIRCHILD RD. NEEDVILLE, TX. 77461

FORT BEND COUNTY

1 of 5

Job#: 1117-519 W. O.#: 09475



PHONOSCOPE FIBER HUB BOX
20D-62DDXC-A1
78"H x 59"W x 42"D (66 RU)
Outdoor Enclosure

Front and Rear sets of rails allow some equipment to rack both directions providing up to 132 RU

THE 20D-62DDXC-A1 ENCLOSURE SEEN
IS FOR VISUALIZATION PURPOSES ONLY

Approved By:

[illegible]

Key Map #: 684 S

Drawn By: Harrell Taylor	Scale: N.T.S.	Date: 12/04/2017
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PHONOSCOPE

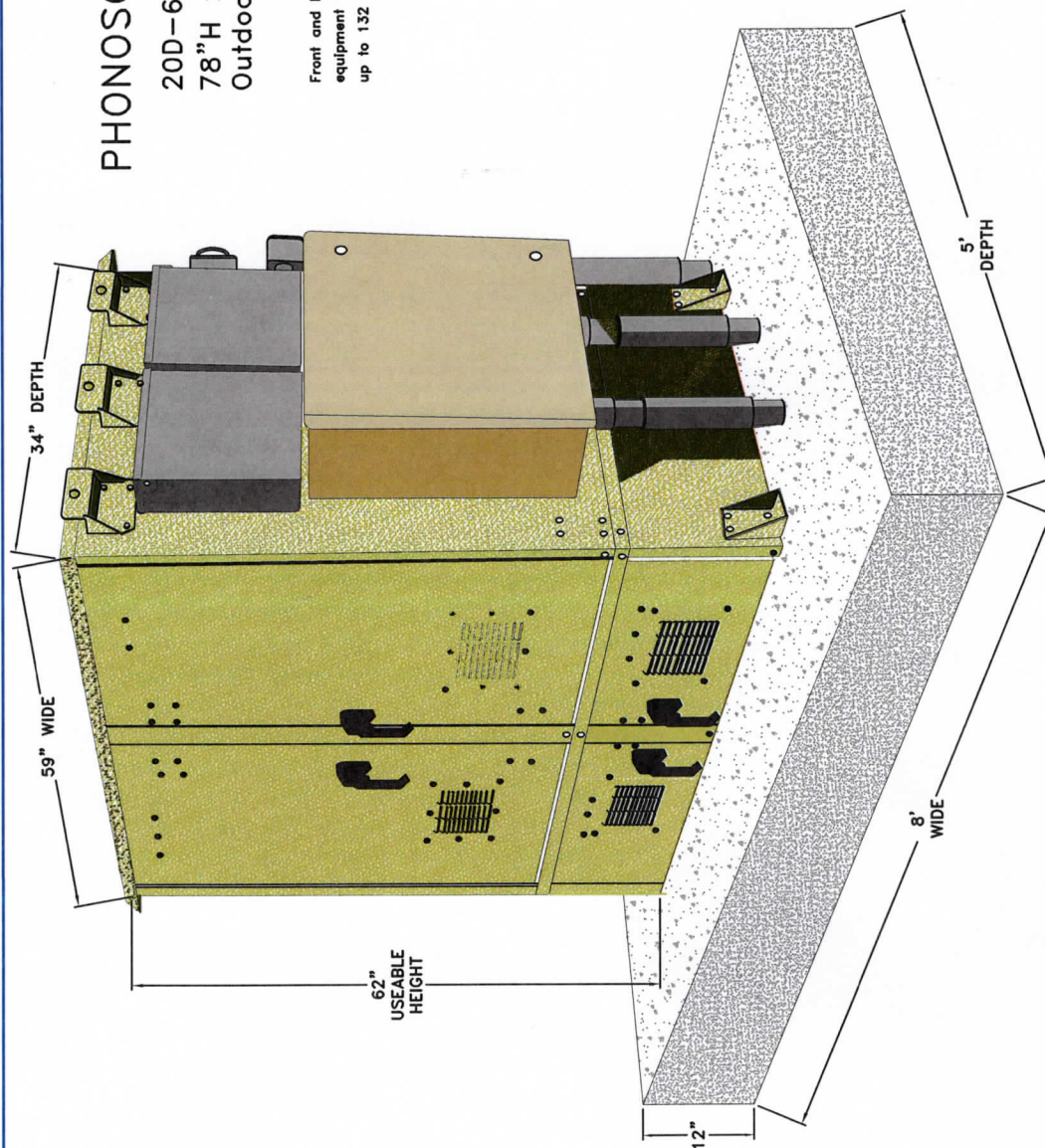
NEEDVILLE HUB BOX	
NEEDVILLE HUB BOX (20D-62DDXC-A1) -3D VIEW	
OLD NEEDVILLE-FAIRCHILD RD. NEEDVILLE, TX. 77461	
FORT BEND COUNTY	
2 of 5	Job#: 1117-519 W. O.#: 09475

PHONOSCOPE FIBER HUB BOX

20D-62DDXC-A1

78"H x 59"W x 42"D (66 RU)
Outdoor Enclosure

Front and Rear sets of rails allow some equipment to rack both directions providing up to 132 RU



Approved By:

[illegible]

Drawn By: Harrell Taylor	Scale: N.T.S.	Date: 12/04/2017
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PHONOSCOPE

NEEDVILLE HUB BOX		
NEEDVILLE HUB BOX (20D-62DDXC-A1)-305X8		
OLD NEEDVILLE-FAIRCHILD, NEEDVILLE, TX. 77461		
FORT BEND COUNTY		
3 of 5	Job#:	1117-519 W. O.#: 09475

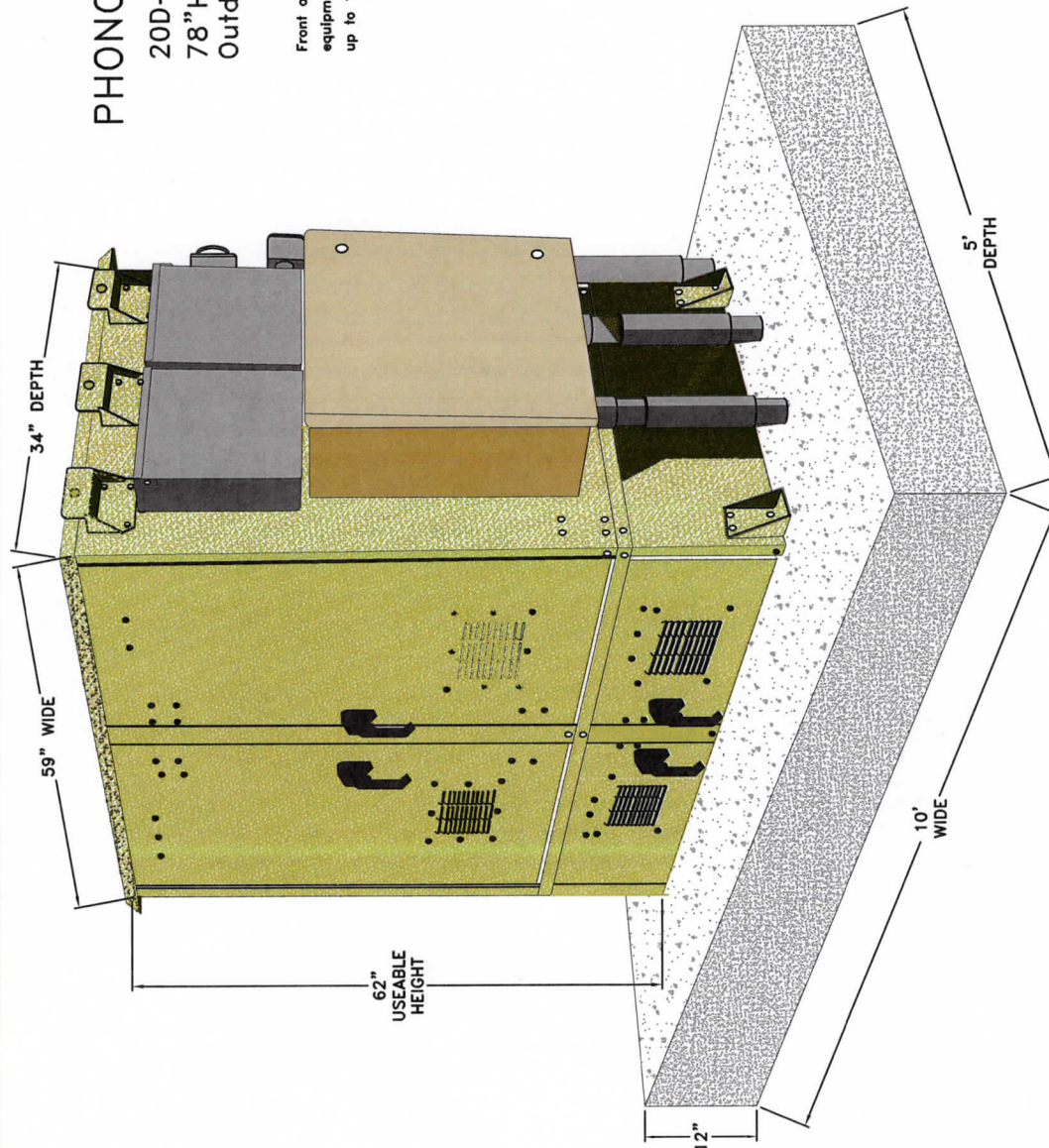
PHONOSCOPE FIBER HUB BOX

20D-62DDXC-A1

78"H x 59"W x 42"D (66 RU)

Outdoor Enclosure

Front and Rear sets of rails allow some equipment to rack both directions providing up to 132 RU



Approved By:

[illegible]

Drawn By:
Harrell Taylor

Scale:
N.T.S.

Date: 12/04/2017



PHONOSCOPE

Key Map #: 684 S

NEEDVILLE HUB BOX

NEEDVILLE HUB BOX (20D-62DDXC-A1)-3D5X10

OLD NEEDVILLE-FAIRCHILD, NEEDVILLE, TX. 77461

FORT BEND COUNTY

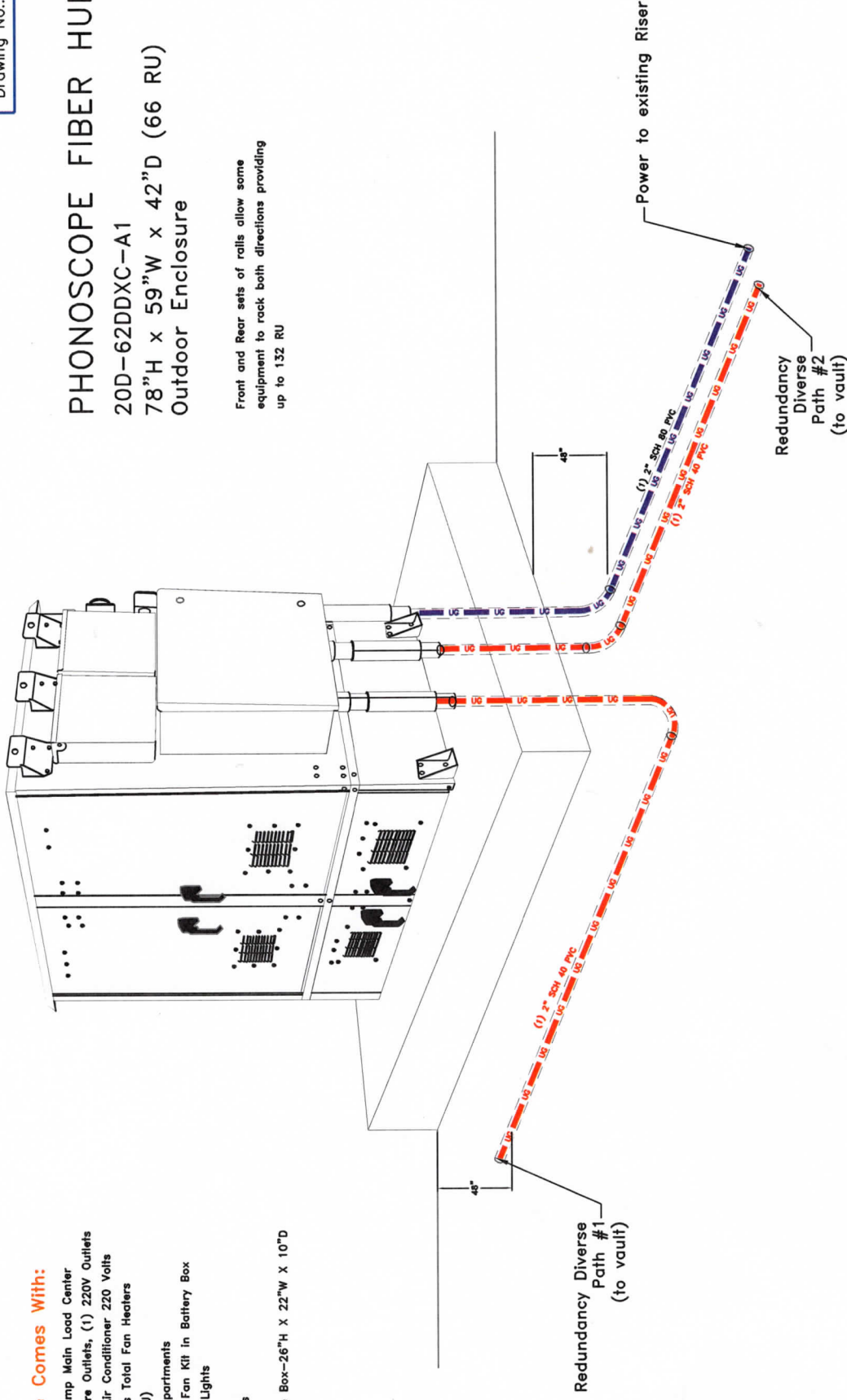
4 of 5 Job#: 1117-519 W. O.#: 09475

Enclosure Comes With:

- LC-100 100 Amp Main Load Center
- w/(4) 4-Square Outlets, (1) 220V Outlets
- 2-6000 BTU Air Conditioner 220 Volts with 800 Watts Total Fan Heaters (12K Total BTU)
- 2 Battery Compartments
- 2 F-25-115T Fan Kit in Battery Box
- 2 Fluorescent Lights
- Lifting Hooks
- Door Windlocks
- Door Alarms
- Spool-Up Side Box-26"H x 22"W x 10"D

PHONOSCOPE FIBER HUB BOX
20D-62DDXC-A1
78"H x 59"W x 42"D (66 RU)
Outdoor Enclosure

Front and Rear sets of rolls allow some equipment to rack both directions providing up to 132 RU



Approved By:

Symbol	Description	Revisions
	(1) 2" SCH. 40 PVC CONDUIT ENCASED FIBER OPTIC CABLE UNDERGROUND	
	(1) 2" SCH. 80 PVC CONDUIT ENCASED FIBER OPTIC CABLE UNDERGROUND	

Drawn By: Harrell Taylor

Scale: N.T.S.

Date: 12/04/2017



Key Map #: 684 S

NEEDVILLE HUB BOX

NEEDVILLE HUB BOX (20D-62DDXC-A1)-FIB PLMT
OLD NEEDVILLE-FAIRCHILD RD.-NEEDVILLE, TEX. 77301

FORT BEND COUNTY

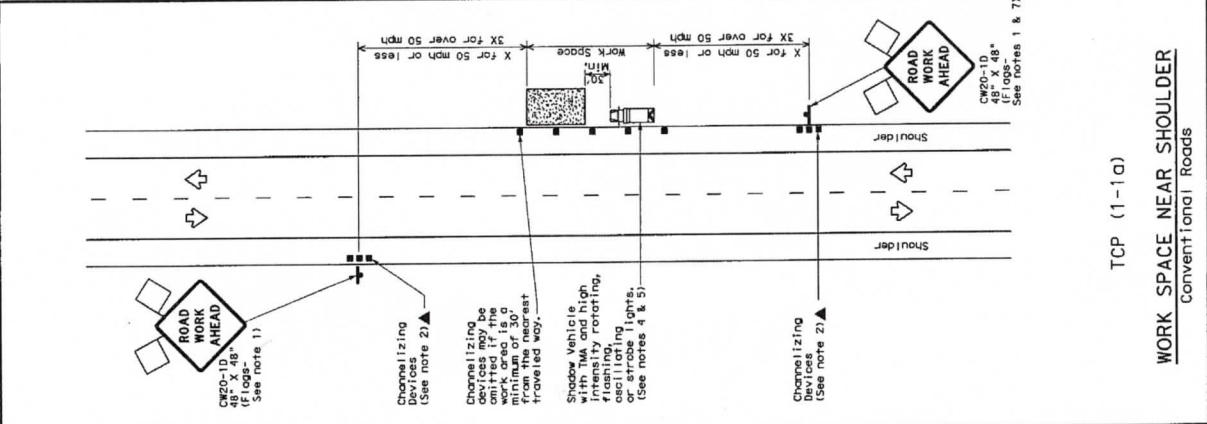
5 of 5 Job#: 1117-519 W. O.#: 09475



PHONOSCOPE

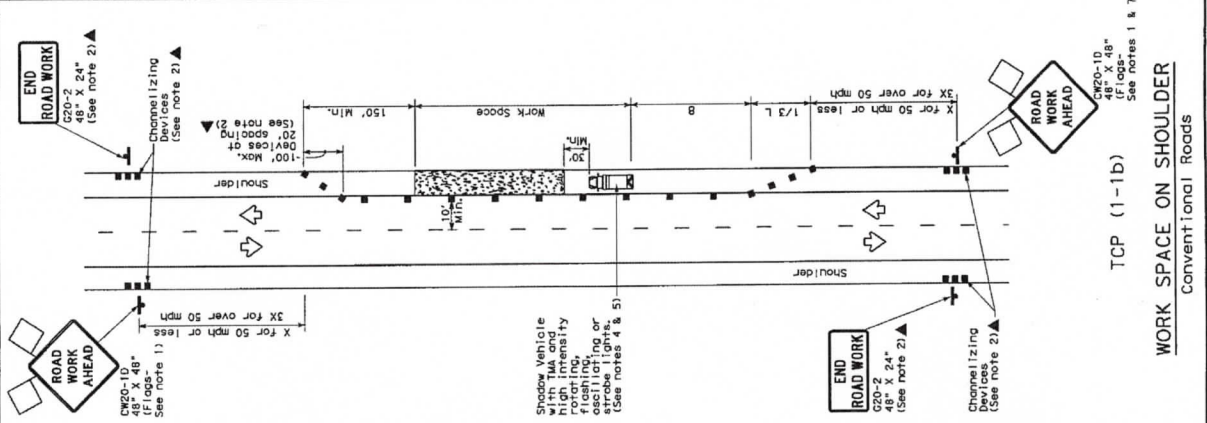
CONFIDENTIAL AND PROPRIETARY

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 consequences of any use of this standard other than for the purposes intended. TxDOT assumes no responsibility for the consequences of any use of this standard other than for the purposes intended.



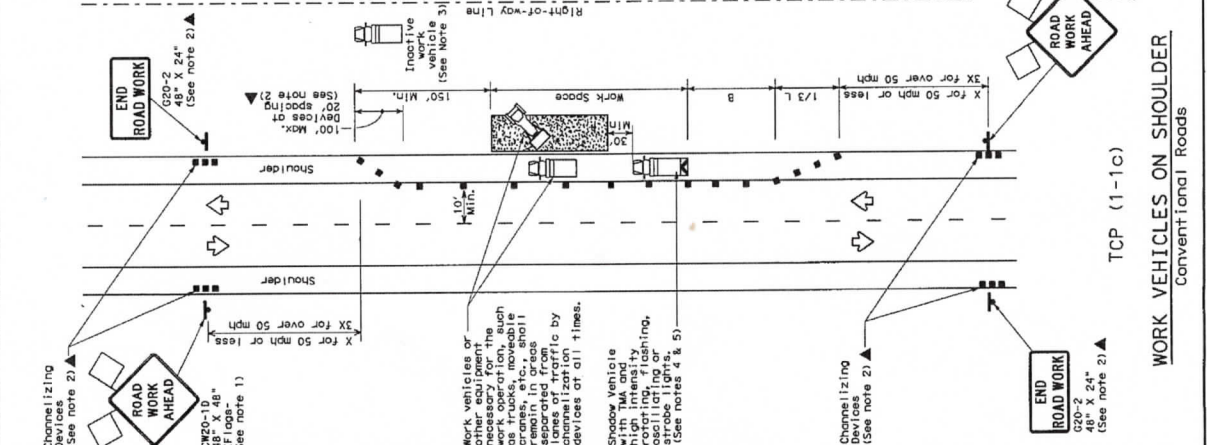
TCP (1-1a)

WORK SPACE NEAR SHOULDER
Conventional Roads



TCP (1-1b)

WORK SPACE ON SHOULDER
Conventional Roads



TCP (1-1c)

WORK VEHICLES ON SHOULDER
Conventional Roads

LEGEND

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

Posted Speed	Minimum Taper Lengths	Minimum Spacing of Channelizing Devices	Minimum Sign Spacing	Minimum Buffer Space	Supported Speed
30	150'	15'	120'	30'	120'
35	150'	15'	120'	30'	120'
40	200'	20'	160'	40'	160'
45	250'	25'	200'	50'	200'
50	300'	30'	240'	60'	240'
55	350'	35'	280'	70'	280'
60	400'	40'	320'	80'	320'
65	450'	45'	360'	90'	360'
70	500'	50'	400'	100'	400'
75	550'	55'	440'	110'	440'
80	600'	60'	480'	120'	480'
85	650'	65'	520'	130'	520'
90	700'	70'	560'	140'	560'
95	750'	75'	600'	150'	600'
100	800'	80'	640'	160'	640'

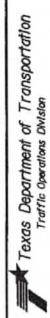
* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

TYPICAL USAGE

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓

- GENERAL NOTES**
- Flags attached to signs where shown are REQUIRED.
 - All traffic control devices shall be used in accordance with the Manual of Uniform Traffic Control Devices, except those specifically noted otherwise.
 - For construction or maintenance work, when approved by the Engineer, the following may be used in place of the standard devices:
 - 1. Inactive work vehicles or other equipment should be parked near the work area.
 - 2. A Shadow Vehicle with 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 visible to the traffic, the Shadow Vehicle should be moved back to remain in place, Type 3 Barricade or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
 - 3. Additional Shadow Vehicles with TMA may be positioned off the paved shoulder to provide additional protection for the work area.
 - 4. For construction or maintenance work on divided highways, expressways and freeways, the following may be used in place of the standard devices:
 - 1. "ROAD WORK AHEAD" signs may be used in place of D20-10.
 - 2. "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

For construction or maintenance contract work, specific project requirements may be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.



TRAFFIC CONTROL PLAN
CONVENTIONAL ROAD
SHOULDER WORK

TCP (1-1)-12

DATE	1-12	REVISED	DATE	1-12
BY	1-12	BY	1-12	BY
CHECKED	1-12	CHECKED	1-12	CHECKED
APPROVED	1-12	APPROVED	1-12	APPROVED