

**APPENDIX P - ADDITIONAL LICENSES AND PERMITS***List of all other licenses and permits required for operation (Section 519.C.16)*

**Defiance Energy Services, LLC (Defiance) is required to register as a business with the Louisiana Secretary of State to construct and operate the facility.**

Defiance has been registered with the Louisiana Secretary of State since October 23, 2008, and is categorized as being "Active" and in "Good Standing". LA Secretary of State Charter Number 36875727K.

**Defiance is required to register as an operator with the Louisiana Department of Natural Resources – Office of Conservation to construct and operate the facility.**

Defiance has been registered with the Louisiana Department of Natural Resources as an operator since January 3, 2019, and has been assigned the Operator Code D6423.

Defiance is certified by the Louisiana Public Service Commission to haul Salt Water (Certification No. 7603), E & P Waste (Certification No. 7403-A), and is certified as a Common Carrier of Special Commodities Over Irregular Routes (Certification No. 7430-A). Defiance is permitted by the Texas Railroad Commission to haul Oil and Gas Waste (Permit No. 4535). Defiance is registered with the Unified Carrier Registration Plan (USDOT No. 1774183).

Defiance holds a United States of America Department of Transportation Pipeline and Hazardous Materials Safety Administration - Hazardous Materials Certificate of Registration for Registration Year(s) 2019-2022. Reg. No.: 092319550007BD, HM Company ID: 148840

Modeling has been done to determine if this facility will require a minor source air permit from DEQ. Based on the maximum throughput and tankage at this facility it was shown that such a permit will be necessary (6.5 tons VOC emissions/year and 0.55 tons of TAP emissions). Altec's modeling results have been submitted to LADEQ for determination. LADEQ issued Minor Source Air Permit No.: 2420-00656-00 on August 2, 2019.

Defiance is required to apply for a Building Construction Permit with the Red River Parish Police Jury for locating a building and office structure at the proposed facility. Defiance will apply for this permit upon receipt of authorization to construct this facility from LDNR.

Defiance is required to obtain a health permit from the Red River Parish Health Unit. Defiance will apply for this permit upon receipt of authorization to construct this facility from LDNR.

Defiance is required to apply for an Institute for Building Technology & Safety permit (IBTS) prior to receiving electrical services. Defiance will apply for this permit upon receipt of authorization to construct this facility from LDNR.

Defiance is required to apply for a 911 address and a permit number from the Red River Parish Communications Office. Defiance will apply for this permit upon receipt of authorization to construct this facility from LDNR.

Defiance is required to apply for a road access permit from Louisiana Department of Transportation & Development (LADOTD). A road access permit was applied for and the LADOTD Road Access Permit No.: 04016822 was issued on June 2, 2020

Defiance is required to obtain Red River Parish Permits for their trucks utilizing parish roads. Defiance currently holds two (2) Red River Parish road access permits (Permit No. 11328 and 11329). Additional Red River Parish road access permits will be applied for and will be submitted to LDNR upon receipt. When necessary, Defiance will add and/or renew the Red River Parish Road Permits. Other Parishes anticipated to be traveled in (Bienville) do require road permits for this activity and have been applied for by Defiance. Should additional parishes be traveled in, Defiance will meet the parish road permit requirements, as applicable.

Defiance is required to apply for a Louisiana Pollutant Discharge Elimination System (LPDES) Storm Water Discharges from Construction Activities Permit. Defiance will apply for this permit upon receipt of authorization to construct this facility from LDNR.

Defiance is required to apply for a Louisiana Pollutant Discharge Elimination System (LPDES) Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activities. Defiance will apply for this permit once construction is finalized.

No additional permits are required, state or local, to construct and/or operate the facility in Red River Parish.

All required permits in accordance with local, state and/or federal requirements will be properly obtained prior to construction of the facility.



UNITED STATES OF AMERICA

State of Louisiana



R. Kyle Ardoin  
SECRETARY OF STATE

*As Secretary of State of the State of Louisiana I do hereby Certify that*

**DEFIANCE ENERGY SERVICES, L.L.C.**

A limited liability company domiciled in MINDEN, LOUISIANA,

Filed charter and qualified to do business in this State on October 23, 2008,

I further certify that the records of this Office indicate the company has paid all fees due the Secretary of State, and so far as the Office of the Secretary of State is concerned, is in good standing and is authorized to do business in this State.

I further certify that this certificate is not intended to reflect the financial condition of this company since this information is not available from the records of this Office.

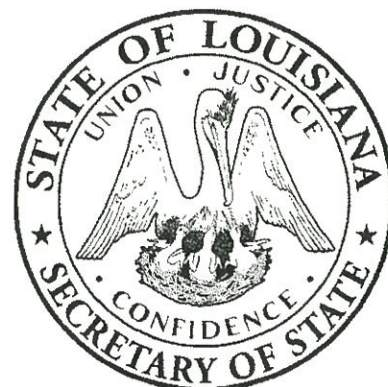
In testimony whereof, I have hereunto set my hand and caused the Seal of my Office to be affixed at the City of Baton Rouge on,

February 13, 2019



*Secretary of State*

Web 36875727K



Certificate ID: 11043442#G6D52

To validate this certificate, visit the following web site, go to **Business Services, Search for Louisiana Business Filings, Validate a Certificate**, then follow the instructions displayed.  
[www.sos.la.gov](http://www.sos.la.gov)

JOHN BEL EDWARDS  
GOVERNOR



RECEIVED  
SEP 04 2019

CHUCK CARR BROWN, PH.D.  
SECRETARY

State of Louisiana  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

Certified Mail No. 7019 0700 0000 9385 2241

Agency Interest (AI) No. 215650  
Activity No. PER20190001

Mr. Rhett Edwards  
CEO  
Defiance Energy Services, L.L.C.  
100 Angela Lane  
Minden, LA 71055

RE: State Permit  
Defiance Energy Services, L.L.C. - Commercial SWD Facility  
Coushatta, Red River Parish, Louisiana

Dear Mr. Edwards:

This is to inform you that the permit request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight, ten years from the issue date below, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Permit No.: 2420-00656-00

Sincerely,

Elliott B. Vega  
Assistant Secretary  
EBV: dm

8/2/19  
Date



**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**AI No. 215650**  
**Defiance Energy Services, L.L.C. - Commercial SWD Facility**  
**Coushatta, Red River Parish, Louisiana**

**I. BACKGROUND**

Defiance Energy Services, L.L.C. (Defiance Energy) proposes to construct and operate the Commercial SWD Facility, a commercial salt water disposal (SWD) facility. This is the initial air permit for this facility.

**II. ORIGIN**

A permit application dated February 7, 2019, was received requesting a permit. Additional information dated April 12, 2019, and May 21, 2019, was also received.

**III. DESCRIPTION**

Trucks loaded with produced water from other locations will drive over berms and onto the unloading pad. Then, a 4-inch hose will be connected to the truck, and the produced water will be pumped by centrifugal pumps through a manifold which will direct the water to either side of a double-sided treatment train. First, the water will be directed to one of two (2) 700-bbl settling tanks, then to one of two (2) 1,000-bbl gun barrels. The gun barrels will separate the petroleum from the produced water and direct it to one of two (2) 400-bbl steel oil tanks, while the rest of the flow will be directed to one of the eight (8) 1,000-bbl produced water holding tanks.

After a sufficient hold time, the produced water will be directed to one of two (2) 750-bbl suction tanks, then to another manifold, where the flow will be directed to one of three (3) triplex pumps through an injection line into the proposed SWD well. Periodically, the petroleum in the two oil tanks will be loaded and transported off site.

The facility will dispose of 25,000 bbl/day of produced water.

Permitted emissions from this facility in tons per year (tpy) are as follows:

Pollutant	Criteria Pollutants	
		Emissions
PM <sub>10</sub>		-
PM <sub>2.5</sub>		-
SO <sub>2</sub>		-
NO <sub>x</sub>		-
CO		-
VOC		6.68

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**AI No. 215650**  
**Defiance Energy Services, L.L.C. - Commercial SWD Facility**  
**Coushatta, Red River Parish, Louisiana**

LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs)

Pollutant	Emissions
Benzene	0.12
n-Hexane	0.65
<b>Total TAPs</b>	<b>0.77</b>

**IV. TYPE OF REVIEW**

This permit was reviewed for compliance with the Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of LAC 33:III.Chapter 51 TAPs and includes affected sources under 40 CFR 60 Subpart OOOOa – Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015.

**V. PUBLIC NOTICE**

Public notice is not required to permit a minor source.

**VI. EFFECTS ON AMBIENT AIR**

Emissions associated with the proposed facility were reviewed by the Department of Environmental Quality (DEQ) to ensure compliance with the National Ambient Air Quality Standard (NAAQS) and Toxic Air Pollutant Ambient Air Standards (AAS). DEQ did not require the applicant to model emissions.

**VII. GENERAL CONDITION XVII ACTIVITIES**

Work Activity	Schedule	Emission Rates - tpy					
		PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Tank Inspections	Quarterly	-	-	-	-	-	<0.01
Tank Sediment Removal	Annually	-	-	-	-	-	<0.01
Vessel Preparation	Annually	-	-	-	-	-	<0.01
Valve Maintenance	Biannually	-	-	-	-	-	<0.01

**VIII. INSIGNIFICANT ACTIVITIES**

None

**General Information**

AI ID: 215650 Commercial SWD Facility  
Activity Number: PER20190001  
Permit Number: 2420-00656-00  
Air - Minor Source/Small Source Initial

Also Known As:	ID	Name	User Group	Start Date
	2420-00656	CDS #	CDS Number	02-15-2019
		Defiance Energy Services LLC	Multimedia	02-15-2019

**Physical Location:** US Hwy 371  
Coushatta, LA 71019 **Main Phone:** 3183775755

**Mailing Address:** 100 Angela Ln  
Minden, LA 71055

**Location of Front Gate:** 32.102356 latitude, -93.310431 longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Rhett Edwards	100 Angela Ln Minden, LA 71055	3183775755 (WP)	Responsible Official for
	Rhett Edwards	100 Angela Ln Minden, LA 71055	info@defiancecellc.com	Responsible Official for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Defiance Energy Services LLC	100 Angela Ln Minden, LA 71055	3183775755 (WP)	Air Billing Party for
	Defiance Energy Services LLC	100 Angela Ln Minden, LA 71055	3183775755 (WP)	Owns
	Defiance Energy Services LLC	100 Angela Ln Minden, LA 71055	3183775755 (WP)	Operates

**NAIC Codes:** 213112, Support Activities for Oil and Gas Operations

**Note:** This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may email your changes to [facupdate@la.gov](mailto:facupdate@la.gov).



**INVENTORIES**

AI ID: 215650 - Commercial SWD Facility

Activity Number: PER20190001

Permit Number: 2420-00656-00

Air - Minor Source/Small Source Initial

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Comments	Operating Time
<b>Commercial SWD Facility</b>						
EQT 0001	SW-1 - 1000-bbl salt water tank	42000 gallons	3031 bbl/day	1106315 bbl/yr	Salt Water	8760 hr/yr
EQT 0002	SW-2 - 1000-bbl salt water tank	42000 gallons	3031 bbl/day	1106315 bbl/yr	Salt Water	8760 hr/yr
EQT 0003	SW-3 - 1000-bbl salt water tank	42000 gallons	3031 bbl/day	1106315 bbl/yr	Salt Water	8760 hr/yr
EQT 0004	SW-4 - 1000-bbl salt water tank	42000 gallons	3031 bbl/day	1106315 bbl/yr	Salt Water	8760 hr/yr
EQT 0005	SW-5 - 1000-bbl salt water tank	42000 gallons	3031 bbl/day	1106315 bbl/yr	Salt Water	8760 hr/yr
EQT 0006	SW-6 - 1000-bbl salt water tank	42000 gallons	3031 bbl/day	1106315 bbl/yr	Salt Water	8760 hr/yr
EQT 0007	SW-7 - 1000-bbl salt water tank	42000 gallons	3031 bbl/day	1106315 bbl/yr	Salt Water	8760 hr/yr
EQT 0008	SW-8 - 1000-bbl salt water tank	42000 gallons	3031 bbl/day	1106315 bbl/yr	Salt Water	8760 hr/yr
EQT 0009	T-1 - 400-bbl oil tank	16800 gallons	375 bbl/day	136875 bbl/yr	Oil	8760 hr/yr
EQT 0010	T-2 - 400-bbl oil tank	16800 gallons	375 bbl/day	136875 bbl/yr	Oil	8760 hr/yr
EQT 0011	Load-1 - Truck Loading Emissions		273750 bbl/yr	375 bbl/hr	Oil	730 hr/yr
FUG 0001	FUG-1 - Site Fugitive Emissions					8760 hr/yr

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Commercial SWD Facility</b>							
EQT 0001	SW-1 - 1000-bbl salt water tank	.03	.35	.5		32	68
EQT 0002	SW-2 - 1000-bbl salt water tank	.03	.35	.5		32	68
EQT 0003	SW-3 - 1000-bbl salt water tank	.03	.35	.5		32	68
EQT 0004	SW-4 - 1000-bbl salt water tank	.03	.35	.5		32	68
EQT 0005	SW-5 - 1000-bbl salt water tank	.03	.35	.5		32	68
EQT 0006	SW-6 - 1000-bbl salt water tank	.03	.35	.5		32	68
EQT 0007	SW-7 - 1000-bbl salt water tank	.03	.35	.5		32	68
EQT 0008	SW-8 - 1000-bbl salt water tank	.03	.35	.5		32	68
EQT 0009	T-1 - 400-bbl oil tank	.03	.35	.5		32	68
EQT 0010	T-2 - 400-bbl oil tank	.03	.35	.5		32	68
EQT 0011	Load-1 - Truck Loading Emissions	.03	.35	.5		20	68
FUG 0001	FUG-1 - Site Fugitive Emissions	.03	.35	.5		20	68

**Relationships:**

**Subject Item Groups:**

ID	Unit or Facility Wide	Group Type	Group Description
UNF 0001	Unit or Facility Wide		Entire Facility - Commercial SWD Facility



**INVENTORIES**

AI ID: 215650 - Commercial SWD Facility  
 Activity Number: PER20190001  
 Permit Number: 2420-00656-00  
 Air - Minor Source/Small Source Initial

**Group Memberships:**

**NOTE:** The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee: Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1710	1710 Minor Source Negotiated Fee	1452	

**SIC Codes:**

1389	Oil and gas field services, nec	AI 215650
1389	Oil and gas field services, nec	UNF 001

**EMISSION RATES FOR CRITERIA POLLUTANTS AND CO2e**

AI ID: 215650 - Commercial SWD Facility

Activity Number: PER20190001

Permit Number: 2420-00656-00

Air - Minor Source/Small Source Initial

Subject Item	VOC			Tons/Year
	Avg lb/hr	Max lb/hr		
<b>Commercial SWD Facility</b>				
EQT 0001	0.01	0.01	0.04	0.04
SW-1				
EQT 0002	0.01	0.01	0.04	0.04
SW-2				
EQT 0003	0.01	0.01	0.04	0.04
SW-3				
EQT 0004	0.01	0.01	0.04	0.04
SW-4				
EQT 0005	0.01	0.01	0.04	0.04
SW-5				
EQT 0006	0.01	0.01	0.04	0.04
SW-6				
EQT 0007	0.01	0.01	0.04	0.04
SW-7				
EQT 0008	0.01	0.01	0.04	0.04
SW-8				
EQT 0009	0.53	0.53	2.33	2.33
T-1				
EQT 0010	0.53	0.53	2.33	2.33
T-2				
EQT 0011	3.04	3.04	1.11	1.11
Load-1				
FUG 0001	0.13	0.13	0.59	0.59
FUG-1				

**Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.**

## SPECIFIC REQUIREMENTS

AI ID: 215650 - Commercial SWD Facility

Activity Number: PER20190001

Permit Number: 2420-00656-00

Air - Minor Source/Small Source Initial

### FUG 0001 FUG-1 - Site Fugitive Emissions

- 1 [40 CFR 60.5397a(c)] Include in the fugitive emission monitoring plans the elements specified in 40 CFR 60.5397a(c)(1) through (c)(8), at a minimum. Subpart OOOOa. [40 CFR 60.5397a(c)]
- 2 [40 CFR 60.5397a(d)] Include in the fugitive emission monitoring plans the elements specified in 40 CFR 60.5397a(d)(1) through (d)(4), at a minimum, as applicable. Subpart OOOOa. [40 CFR 60.5397a(d)]
- 3 [40 CFR 60.5397a(f)(1)] Conduct the initial monitoring survey within 60 days of the startup of production of the well site, as defined in 40 CFR 60.5430a, or by June 3, 2017, whichever is later. Subpart OOOOa. [40 CFR 60.5397a(f)(1)]
- 4 [40 CFR 60.5397a(g)(1)] Conduct a monitoring survey at least semiannually after the initial survey. Ensure that consecutive semiannual monitoring surveys are conducted at least 4 months apart. Subpart OOOOa. [40 CFR 60.5397a(g)(1)]
- 5 [40 CFR 60.5397a(g)(3)] Fugitive emissions components that cannot be monitored without elevating the monitoring personnel more than 2 meters above the surface may be designated as difficult-to-monitor. Ensure that the fugitive emissions components that are designated difficult-to-monitor meet the specifications of 40 CFR 60.5397a(g)(3)(i) through (g)(3)(iv). Subpart OOOOa. [40 CFR 60.5397a(g)(3)]
- 6 [40 CFR 60.5397a(g)(4)] Fugitive emissions components that cannot be monitored because monitoring personnel would be exposed to immediate danger while conducting a monitoring survey may be designated as unsafe-to-monitor. Ensure that fugitive emissions components that are designated unsafe-to-monitor meet the specifications of 40 CFR 60.5397a(g)(4)(i) through (g)(4)(iv). Subpart OOOOa. [40 CFR 60.5397a(g)(4)]
- 7 [40 CFR 60.5397a(h)(1)] Repair or replace each identified source of fugitive emissions as soon as practicable, but no later than 30 calendar days after detection of the fugitive emissions, except as specified in 40 CFR 63.5397a(h). Subpart OOOOa. [40 CFR 60.5397a(h)(1)]
- 8 [40 CFR 60.5397a(h)(2)] Complete a repair or replacement during the next scheduled compressor station shutdown, well shutdown, well shut-in, after a planned vent blowdown or within 2 years, whichever is earlier, except as specified in 40 CFR 63.5397a(h), if the repair or replacement is technically infeasible, would require a vent blowdown, a compressor station shutdown, a well shutdown or well shut-in, or would be unsafe to repair during operation of the unit. Subpart OOOOa. [40 CFR 60.5397a(h)(2)]
- 9 [40 CFR 60.5397a(h)(3)(ii)] Take a digital photograph of the component or tag the component for identification purposes, if a repair cannot be made during the monitoring survey when the fugitive emissions are initially found. Ensure that the digital photograph includes the date that the photograph was taken and clearly identifies the component by location within the site. Subpart OOOOa. [40 CFR 60.5397a(h)(3)(ii)]
- 10 [40 CFR 60.5397a(h)(3)] Resurvey the repaired or replaced fugitive emissions component as soon as practicable, but no later than 30 days after being repaired, to ensure that there are no fugitive emissions. Resurvey the repaired fugitive emissions components using either 40 CFR 60, Appendix A, Method 21 or optical gas imaging within 30 days of finding such fugitive emissions, if the repair could not be made during the monitoring survey when the fugitive emissions were initially found. Comply with the resurvey provisions specified in 40 CFR 60.5397a(h)(3)(iii)(A) and (B), if Method 21 is used to resurvey. Comply with the resurvey provisions specified in 40 CFR 60.5397a(h)(3)(iv)(A) and (B), if optical gas imaging is used to resurvey. Subpart OOOOa. [40 CFR 60.5397a(h)(3)]
- 11 [40 CFR 60.5397a(i)] Maintain records for each monitoring survey as specified 40 CFR 60.5420a(c)(15). Subpart OOOOa. [40 CFR 60.5397a(i)]
- 12 [40 CFR 60.5397a(j)] Submit annual reports that include the information specified in 40 CFR 60.5420a(b)(7). Multiple collection of fugitive emissions components at a well site or at a compressor station may be included in a single annual report. Subpart OOOOa. [40 CFR 60.5397a(j)]
- 13 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.



**SPECIFIC REQUIREMENTS**

AI ID: 215650 - Commercial SWD Facility

Activity Number: PER20190001

Permit Number: 2420-00656-00

Air - Minor Source/Small Source Initial

**UNF 0001 Entire Facility - Commercial SWD Facility**

- 14 [40 CFR 60.5420a(b)] Submit annual report: Due initially no later than 90 days after the end of the initial compliance period, as determined according to 40 CFR 60.5410a. Submit subsequent annual reports no later than the same date each year as the initial annual report. Include the general information specified in 40 CFR 60.5420a(b)(1)(i) through (b)(1)(iv). Include the information specified in 40 CFR 60.5420a(b)(7)(i) through (b)(7)(xii), for a collection of fugitive emission components at each well site within the company-defined area. Subpart OOOOa. [40 CFR 60.5420a(b)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. For a collection of fugitive emission components at a well site and a collection of fugitive emissions components at a compressor station, maintain records identified in 40 CFR 60.5420a(c)(15)(i) through (c)(15)(iii). Subpart OOOOa. [40 CFR 60.5420a(c)] Maintain all records required by 40 CFR 60 Subpart OOOOa either onsite or at the nearest local field office for at least 5 years. Any records required to be maintained by 40 CFR 60 Subpart OOOOa that are submitted electronically via the EPA's CDX may be maintained in electronic format. Subpart OOOOa. [40 CFR 60.5420a(c)] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 15 [40 CFR 60.5420a(c)] Outdoor burning of waste material or other combustible material is prohibited.
- 16 [40 CFR 60.5420a(c)] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping includes, but is not limited to, the practices listed in LAC 33:III.2113.A.1 through A.5.
- 17 [40 CFR 60.] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 18 [LAC 33:III.1109.B] Comply with the Louisiana General Conditions as set forth in LAC 33:III.537.
- 19 [LAC 33:III.2113.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by DEQ.
- 20 [LAC 33:III.219] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by DEQ to enforce these regulations.
- 21 [LAC 33:III.537]
- 22 [LAC 33:III.5611.A]
- 23 [LAC 33:III.5611.B]

04016822

LaDOTD 01.2013

LaDOTD Permit # \_\_\_\_\_ Date Permit Issued: 6-2-20  
 Date Permit Entered/Initials: 6-4-20 TW Construction Must Begin By: 6-2-21

State of Louisiana  
 Department of Transportation & Development  
**ACCESS CONNECTION PERMIT CERTIFICATE – TRAFFIC GENERATOR**

Property Owner's Name: DEFIANCE ENERGY SERVICES LLC

Physical (911) Address of Property: TBD HWY 371

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: 71019

State Highway Adjacent to Property (Hwy. #): 371 Parish: RED RIVER

Property located on the (circle one) N S E (W) side of the highway .75 miles (circle one) N (S) E W

From (nearest LA/US route # or other major roadway) 786

Control Section: 27-01 Log Mile: \_\_\_\_\_ Latitude: 32.1020 Longitude: -93.3085

Proposed Use of Property:

- Multi-Residence Single Family - Number of Homes Proposed
- Temporary (less than 1 year) – Explain Use
- Commercial – Total Facility Sq. Ft. 812'
  - Select One:  Retail  Mixed-Use  Medical  Religious
  - Educational  Public  Agricultural  Utility  Bank
- Other – Explain SALT WATER DISPOSAL SITE

Property Frontage along Highway (ft.): 413' Depth of Property (ft.): 820

Apparent Right-of-Way (ft.): \_\_\_\_\_ Current Highway Surface Material: Asphalt

Approved Driveway Material: concrete Culvert Size: Dia. (in.) Length (ft.) 24" x 100'

Setback from Right-of-Way to nearest building/gas pump/etc. (ft.) \_\_\_\_\_ Culvert Material CMP-RCP-HDPE

Driveway Width 30 ft. Radius of Driveway 35 ft. (see attached standard)

Hydraulic Review:  Not Required  Required, Approved on 5-22-20 by ROBERT TOMASEK

Traffic Impact Study:  Not Required  Required, Approved on 5-18-20 by Jim HALLER

(Attach a copy of the Letter of Compliance)

Traffic Signal Study:  Not Required  Required, Approved on \_\_\_\_\_ by \_\_\_\_\_

Signal Permit Issued:  No  Yes, Signal Permit Number: \_\_\_\_\_

La DOTD Access Connection Detail to Be Used for Construction: \_\_\_\_\_ Notes: \_\_\_\_\_

Other permits related to this property: \_\_\_\_\_

Driveway Sharing:  Not Required  Required – Attached signed agreement.

Details: \_\_\_\_\_

Mitigation Required:  No  Yes – Details: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



04016822

LaDOTD 01.2013

Construction of Access Connection shall be subject to the following additional restrictions:

6:1 SETSD REQUIRED ON BOTH SIDES OF DRIVEWAY

Temporary Permit?  No  Yes. Terms:

Additional Provisions:

1. All documentation associated with this permit shall remain attached to this Permit Certificate and shall at all times be available for review, when requested, by a representative of the Louisiana Department of Transportation and Development.
2. All signed and stamped plans associated with this permit which are affixed with the LaDOTD Permit # shall remain with this permit and shall at all times be kept on the job site. If requested by a representative of the Louisiana Department of Transportation and Development, the entire plan package shall be produced at the job site for review.
3. The DOTD District Office will handle all necessary public notices regarding temporary traffic control related to work authorized by this permit. The Permittee shall notify the District office a minimum of five (5) working days before construction if the traffic control plan was previously approved or contained in the approved plans or a minimum of ten (10) working days before construction if the traffic control plan must be submitted for lane closures not addressed in the plans.
4. Prior to performing any excavations, the applicant is required to call Louisiana One Call. If installing any underground facilities such as cable or conduits, the applicant must be a member of Louisiana One Call. In addition, the applicant must contact DOTD at 1-800-259-4929 or [DOTD-FiberLocates@la.gov](mailto:DOTD-FiberLocates@la.gov) at least 24 hours prior to performing any excavation on DOTD Right-of-way (either for installation or maintenance).

All conditions of this permit are subject to the provisions of LAC 70:11, Chapter 5, §531 and LAC 70:1, Chapter 15, §1501. I, the applicant, agree to hold harmless the DOTD and its duly appointed agents and employees against any action for personal injury or property damage sustained by reason of the exercise of this permit, whether or not the same may have been caused by the negligence of the DOTD, its agents, or its employees. I understand that this permit may be modified or rescinded at anytime at the discretion of the DOTD and any costs incurred as a result will be at my expense. I certify that the information contained herein is true, complete, and correct to the best of my knowledge. I understand that if any information contained herein is found to be falsified, this request and any permit issued based on this information shall be voided.

The provisions of this permit are hereby accepted and agreed to this 27<sup>th</sup> day of May 2020.

SIGNED Scott Wooten  
 Owner's Name (printed): Scott Wooten  
 Mailing Address: PO Box 90  
 City: Shreveport State: LA Zip: 71161  
 Home/Work Phone: 318-377-5755 Cell Phone: 318-381-2004

If exercising Power of Attorney:  
 Name of Authorized Representative: \_\_\_\_\_  
 (Attach a copy of Power of Attorney documentation)

APPROVED BY:  
 LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT  
Jason Blair  
 DISTRICT PERMIT SPECIALIST -

Print Name JASON BLAIR Date 6-2-20

David North, P.E.  
 DISTRICT ADMINISTRATOR (OR DESIGNEE) -

Print Name David North Date 7 Jun 2020





04016822

LDOTD 01.2013



LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT  
PRELIMINARY ACCESS CONNECTION REQUEST FORM  
TRAFFIC GENERATOR TYPE ACCESS ON A STATE ROUTE

An access connection is any physical connection between a state roadway and private or public property which allows the ingress and egress of vehicles to or from said property.

THIS FORM IS NOT TO BE USED FOR SINGLE-FAMILY RESIDENTIAL OR NON-COMMERCIAL AGRICULTURE ACCESS CONNECTION REQUESTS.

PROPERTY OWNER INFORMATION

Name Scott Wooten  
Company (If Applicable to Permit) Defiance Energy Services, LLC  
Mailing Address PO Box 90  
City Shreveport State LA Zip Code 71161  
Home/Bus Phone 318-377-5755 Cell Phone 318-381-2004  
E-Mail S.wooten@defiancecell.com

Check here if Owner is to be the Primary Contact.

DESIGNATED CONTACT INFORMATION (If Primary Contact is not the Owner)

Name Rob Rollins  
Company (If Applicable to Permit) Mohr and Associates, Inc.  
Phone (318) 686-7190 Fax (318) 402-4400  
Email RRollins@mohrandassoc.com  
Relationship to Property Owner:  Engineer  Attorney  Other

Submit Power of Attorney documentation stating this person has the authority to enter into a legally-binding agreement on behalf of the Owner.

PROPERTY INFORMATION

Property g11 Address TBD LA Hwy 371  
City N/A State LA Zip Code 71019  
Parish Red River Current Hwy Surface Asphalt  
State Highway Adjacent to Property (LA/US Route #): LA 371

Property is located on the (circle applicable) N S E W side of the highway  
0.75 miles (circle applicable) N S E W from (nearest state highway  
# or other major roadway) LA 786

Lot Depth (ft): 820 ft. Frontage Width (ft): 413 ft.

Proposed driveway width (ft): 30 ft.

Distance from Centerline of Roadway to Property Line (ft): 34 ft.

Proposed Building Dimensions 14 ft. X 58 ft.

Setback from Right-of-Way to nearest building/gas pump/etc. (ft): 368 ft.

Distance from Property Lines to Nearest Driveways/Roadways 227 ft.

Property Latitude 32.1020N Property Longitude 93.3085W

REQUIRED INFORMATION

OPTIONAL INFORMATION

YOU MUST ATTACH A PROPERTY MAP TO THIS DOCUMENT.

Attach property survey or plat of property. Show proposed location of access point and locations of nearest existing driveways and median openings (if applicable). Everything must be dimensioned.

THIS FORM IS NOT TO BE USED FOR SINGLE-FAMILY RESIDENTIAL OR NON-COMMERCIAL AGRICULTURE ACCESS CONNECTION REQUESTS.

APPLICANT TO COMPLETE:

PROPOSED USE OF PROPERTY:

- Multi-Residence Single Family  
Number of Homes Proposed \_\_\_\_\_
- Commercial  
Total Facility Sq. Ft. 812 sq.ft.  
Select One:  
 Retail  Mixed-Use  Medical  
 Religious  Educational  Public  
 Agricultural  Utility  Bank  
 Other: Salt Water Disposal Site
- Temporary (less than 1 year) – Explain Use \_\_\_\_\_
- Other – Explain \_\_\_\_\_

- Will access connection become a public road?  Yes  No
- Will the full development be built in phases?  Yes  No  Unknown

SELECT ALL THAT APPLY:

- Applicant requests more than one access connection.
- Property is within 1/4 mile of an existing traffic signal.
- Applicant requests a new traffic signal.
- Applicant requests a new median opening.
- Requested access connection location aligns with an existing signal or intersection.
- Existing median opening or portion thereof, is within the frontage limits of the property.
- Requested access connection is not on a state route, but is within 1/4 mile of a state route.
- Railroad crossing located within 1/4 mile.
- Applicant requests a roundabout.
- Property has frontage on an existing local or parish roadway.
- Property is within the functional area of intersection or limits of turn lane.



If requesting commercial access, indicate the types and number of businesses and provide the floor area square footage of each:

Business Type	Sq. Ft.
Salt Water Disposal Silt	812 sq.ft.

If requesting residential development access, indicate the types and number of units (single family, apartment, townhome, etc.):

Residence Type	# Units
N/A	N/A

For agricultural access, indicate number of acres the access will serve: 0

Please answer the following questions. Provide additional documentation, if necessary:

Does the applicant have knowledge of any State Highway access permits serving this property, or adjacent properties, in which the applicant has, or may have, a property interest?

No  Yes. Provide details: \_\_\_\_\_

Does the property owner own or have any interests in any adjacent properties?

No  Yes. Provide details: \_\_\_\_\_

Are there other existing or dedicated public streets, roads, highways, or access easements bordering or within the property?

No  Yes. If Yes, list them on all plans and indicate the proposed and existing access locations.

This application is for (check one):  New Construction  Remodel/Change in Use  Expansion of Facility

*I certify that the information contained herein is true, complete, and correct to the best of my knowledge. I understand that if any information contained herein is found to be falsified, this request and any permit issued based on this information shall be voided.*

Signature of Owner *S. H. White* Date 3/1/2020

Return Completed Form to the District Permit Specialist at the DOTD District Office where subject property is located.

DEPARTMENT OF TRANSPORTATION & DEVELOPMENT USE ONLY (Permit Specialist)

Date Requested Received \_\_\_\_\_ Date Owner Contacted \_\_\_\_\_  
(Owner should be contacted within 14 business days of date request is received.)

District \_\_\_\_\_ Request Processed By \_\_\_\_\_

Pre-Permit Application Meeting Required:  No  Yes

Meeting Scheduled for \_\_\_\_\_ 20 \_\_\_\_ at \_\_\_\_\_ AM/PM

Applicant Contacted to Confirm Meeting by \_\_\_\_\_



04016822

**Jason Blair**

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**From:** Jim Hollier  
**Sent:** Tuesday, May 05, 2020 11:25 AM  
**To:** Jason Blair  
**Subject:** RE: Defiance Energy, US 371

No further comments.

Jim Hollier, P.E.  
District Traffic Engineer - 04  
Office: 318-549-8305 (04-305)  
Fax: 318-549-8470  
[Jim.hollier@la.gov](mailto:Jim.hollier@la.gov)

This document and the information contained herein is prepared solely for the purpose of identifying, evaluating and planning safety improvements on public roads which may be implemented utilizing federal aid highway funds; and is therefore exempt from discovery or admission into evidence pursuant to 23 U.S.C. 409.

**From:** Jason Blair <[Jason.Blair@LA.GOV](mailto:Jason.Blair@LA.GOV)>  
**Sent:** Tuesday, May 05, 2020 9:44 AM  
**To:** Jim Hollier <[Jim.Hollier@LA.GOV](mailto:Jim.Hollier@LA.GOV)>  
**Subject:** Fw: Defiance Energy, US 371

---

**From:** Robert Rollins <[RRollins@mohrandassoc.com](mailto:RRollins@mohrandassoc.com)>  
**Sent:** Tuesday, May 5, 2020 9:40 AM  
**To:** Jason Blair  
**Subject:** RE: Defiance Energy, US 371

**EXTERNAL EMAIL:** Please do not click on links or attachments unless you know the content is safe.

Jason

The US 371 plans have been updated to address Jim's comments and are attached. Let me know if you need me to send in hard copies.

Rob

**Rob Rollins, E.I.**  
Engineer Intern  
**Mohr & Associates, Inc.**  
*Consulting Civil Engineers & Land Surveyors*  
1324 North Hearne Avenue – Suite 301  
Shreveport, LA 71107  
Main Line: (318) 686-7190 EXT 106  
Fax: (318) 402-4400  
Email: [RRollins@mohrandassoc.com](mailto:RRollins@mohrandassoc.com)

04016822

**From:** Jason Blair <[Jason.Blair@LA.GOV](mailto:Jason.Blair@LA.GOV)>  
**Sent:** Monday, May 4, 2020 1:35 PM  
**To:** Robert Rollins <[RRollins@mohrandassoc.com](mailto:RRollins@mohrandassoc.com)>  
**Subject:** FW: Defiance Energy, US 371

Below is an Email from Traffic Engineer.

Jason Blair  
E-mail: [Jason.blair@la.gov](mailto:Jason.blair@la.gov)  
Phone: (318) 549-8410



**From:** Jim Hollier <[Jim.Hollier@LA.GOV](mailto:Jim.Hollier@LA.GOV)>  
**Sent:** Monday, May 04, 2020 1:22 PM  
**To:** Jason Blair <[Jason.Blair@LA.GOV](mailto:Jason.Blair@LA.GOV)>  
**Cc:** Jason Robinson <[Jason.Robinson@LA.GOV](mailto:Jason.Robinson@LA.GOV)>; Brandon Greco <[Brandon.Greco@LA.GOV](mailto:Brandon.Greco@LA.GOV)>; Kevin Blunck <[Kevin.Blunck@LA.GOV](mailto:Kevin.Blunck@LA.GOV)>  
**Subject:** Defiance Energy, US 371

Jason,

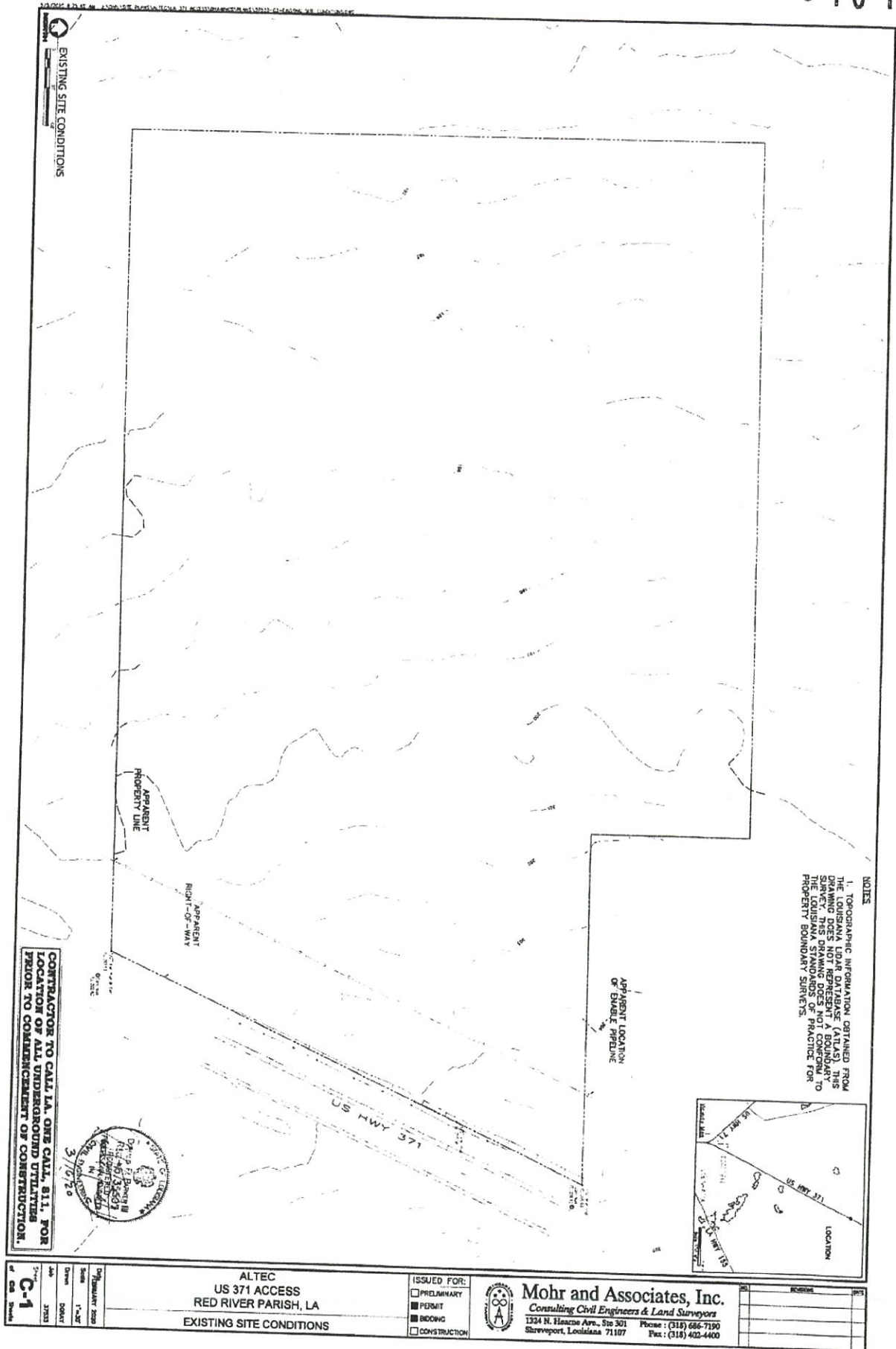
The traffic control submitted with this permit application has four pages of TC condensed onto one 8-1/2 x 11 sheet. It is unreadable and therefore unusable. Additionally, the site plan needs to include a note that states a flagging operation is required for any work that encroaches upon the travel lane.

Please have them resubmit.

Jim Hollier, P.E.  
District Traffic Engineer - 04  
Office: 318-549-8305 (04-305)  
Fax: 318-549-8470  
[Jim.hollier@la.gov](mailto:Jim.hollier@la.gov)

This document and the information contained herein is prepared solely for the purpose of identifying, evaluating and planning safety improvements on public roads which may be implemented utilizing federal aid highway funds; and is therefore exempt from discovery or admission into evidence pursuant to 23 U.S.C. 409.

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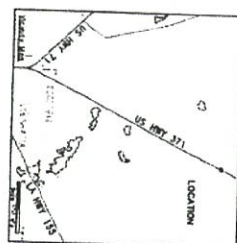


EXISTING SITE CONDITIONS

CONTRACTOR TO CALL LA ONE CALL, 811, FOR LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.



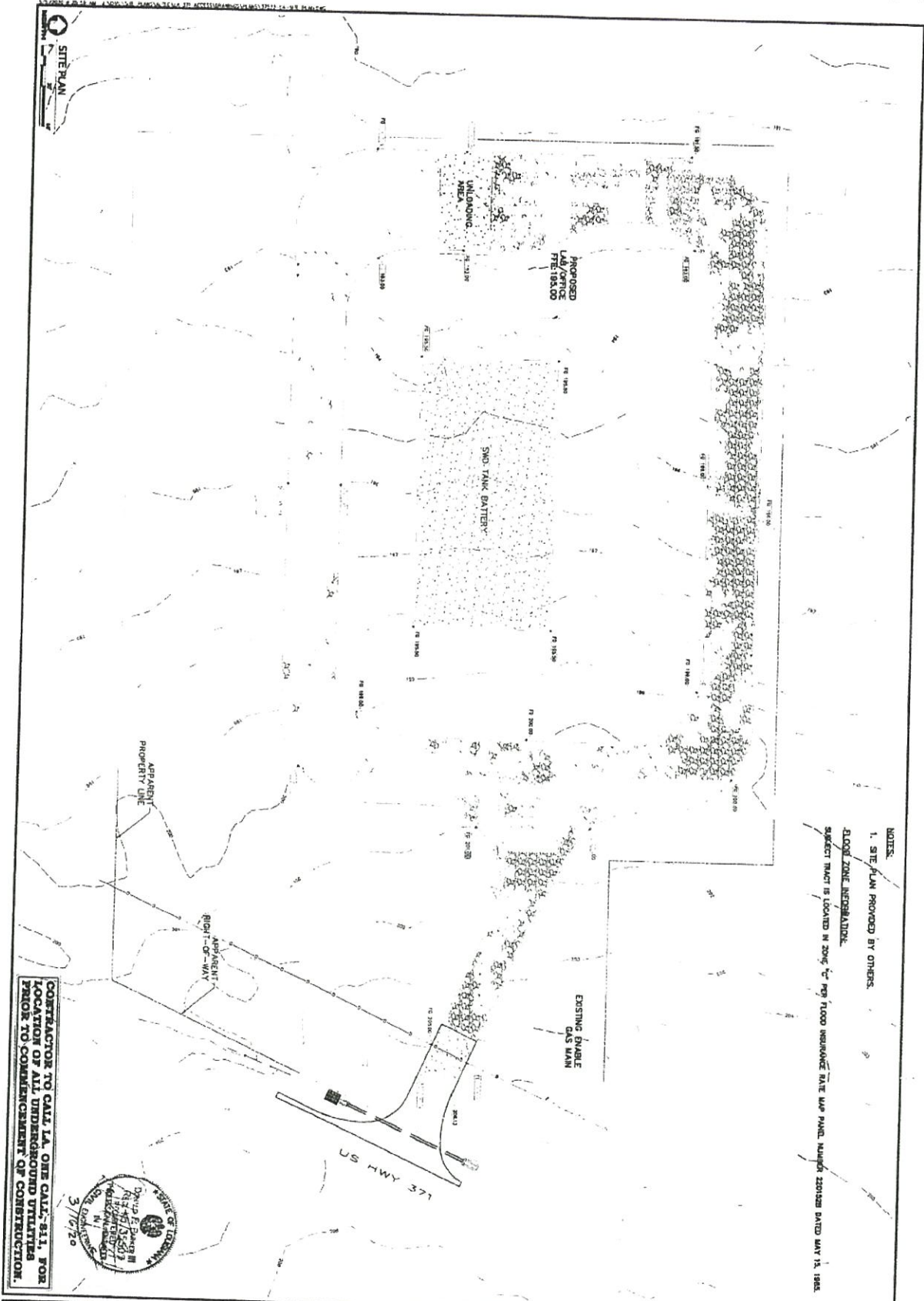
NOTES  
 1. TOPOGRAPHIC INFORMATION OBTAINED FROM THE LOUISIANA LIDAR DATA. THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY. THIS DRAWING DOES NOT CONFORM TO PROPERTY BOUNDARY SURVEYS.



Title Block C-1 3/16/20	ALTEC US 371 ACCESS RED RIVER PARISH, LA EXISTING SITE CONDITIONS	ISSUED FOR: <input type="checkbox"/> PRELIMINARY <input checked="" type="checkbox"/> PERMIT <input type="checkbox"/> BIDDING <input type="checkbox"/> CONSTRUCTION	Mohr and Associates, Inc. Consulting Civil Engineers & Land Surveyors 1324 N. Harco Ave., Ste 301 Phone: (318) 686-7190 Shreveport, Louisiana 71107 Fax: (318) 402-4400	REVISIONS NO. DESCRIPTION DATE
	Scale: 1"=40' Date: 3/16/20 Drawn: [blank] Check: [blank]			



04016822



NOTES:  
 1. SITE PLAN PROVIDED BY OTHERS.  
 FLOOD ZONE INFORMATION:  
 SUBJECT TRACT IS LOCATED IN 2004 "C" FIRM FLOOD INSURANCE RATE MAP PANEL NUMBER 220122B DATED MAY 14, 1984.

CONTRACTOR TO CALL L.A. ONE CALL-811 FOR LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.



C-2	Project No.	37123
	Date	3/16/20
C-2	Scale	1"=40'
	Drawn by	DR/AV
C-2	Checked by	DR/AV
	Date	3/16/20



ALTEC  
 US 371 ACCESS  
 RED RIVER PARISH, LA  
 SITE PLAN

ISSUED FOR:  
 PRELIMINARY  
 PERMIT  
 BIDDING  
 CONSTRUCTION



**Mohr and Associates, Inc.**  
 Consulting Civil Engineers & Land Surveyors  
 1324 N. Hearne Ave., Ste 301 Phone: (318) 686-7190  
 Shreveport, Louisiana 71107 Fax: (318) 402-4400


NO.	REVISION


 <b>Molr and Associates, Inc.</b> Consulting Civil Engineers & Land Surveyors 1334 N. Hermitage Ave., Suite 301 Shreveport, Louisiana 71107 Phone: (504) 682-7190 Fax: (504) 682-4400		ISSUED FOR: <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> RECORDS <input type="checkbox"/> E-MAIL <input type="checkbox"/> PRELIMINARY
<b>ALTEC</b> US 371 ACCESS RED RIVER PARISH, LA		EXISTING CONDITIONS AND GEOMETRIC SITE PLAN
DATE: 07/20/2010 SCALE: 1"=30' DRAWN: DORRAY JOB: 27413 SHEET: <b>C-3</b> OF: 08		

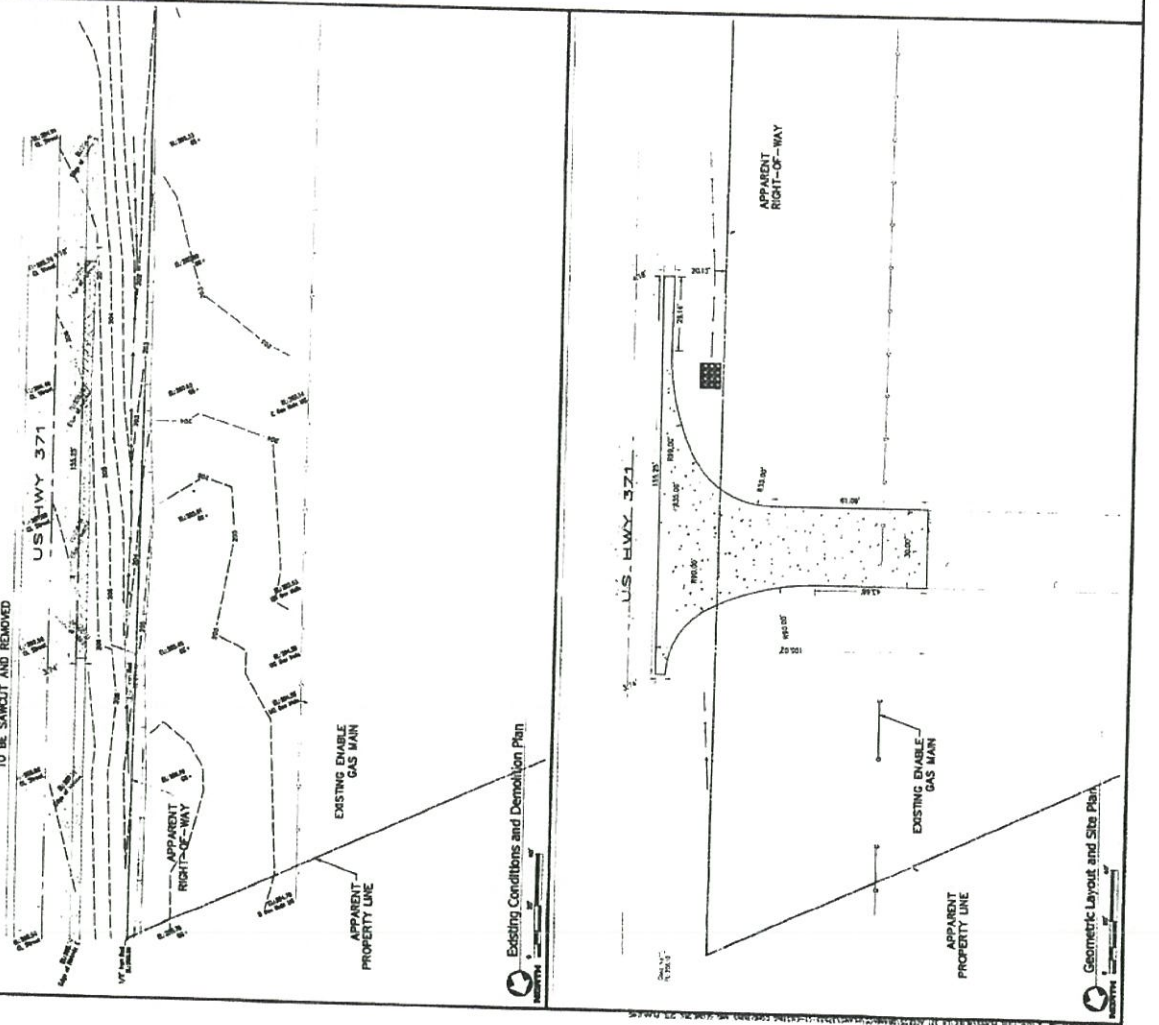
**GENERAL NOTES:**

1. ALL UTILITY LOCATION SERVICE #11. (LOUISIANA ONE CALL)
2. ALL NEW UTILITIES TO BE LOCATED UNDERGROUND.
3. ALL WORK SHALL CONFORM TO THE LOUISIANA "STANDARD SPECIFICATIONS FOR ROADS & BRIDGES" 2010 EDITION.
4. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD CONDITIONS WHEN POSSIBLE, BUT THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND. ALL CLEARANCES SHALL BE IN ADVANCE OF TRENCHING. IF THE CLEARANCES ARE LESS THAN SPECIFIED, THE CONTRACTOR SHALL ADVISE THE ENGINEER AND ASSOCIATES, INC. AT (504) 682-7190 PRIOR TO PROCEEDING WITH CONSTRUCTION.
5. THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT PRICE THE REMOVAL AND DISPOSAL OF ANY EXCESS TOPSOIL HE DETERMINES IS NOT REQUIRED TO PROTECT THE FINAL GRADING AND LANDSCAPING OPERATION.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL EXCAVATION MEASURES REQUIRED ON THE PROJECT TO MEET LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INCLUDED ON THE DRAWINGS. THE CONTRACTOR SHALL ACCEPT NO RESPONSIBILITY FOR THE DESIGN TO INSTALL LAND TOPSOIL.

**LEGEND**

 TO BE REMOVED

 SAWCUT



**MOHR AND ASSOCIATES, INC.**  
 CONSULTING CIVIL ENGINEERS & LAND SURVEYORS  
 1534 N. IBERVILLE AVE., SUITE 301  
 SHREVEPORT, LOUISIANA 71107  
 TEL: (318) 486-7100  
 FAX: (318) 482-4400

ISSUED FOR: **CONSTRUCTION**  
 PRELIMINARY  
 DESIGN  
 BIDDING

**ALTEC**  
 US 371 ACCESS  
 RED RIVER PARISH, LA

DATE: 1-20-21  
 DRAWN: DORRAN  
 CHECKED: JWB  
 PROJECT NO: 21033

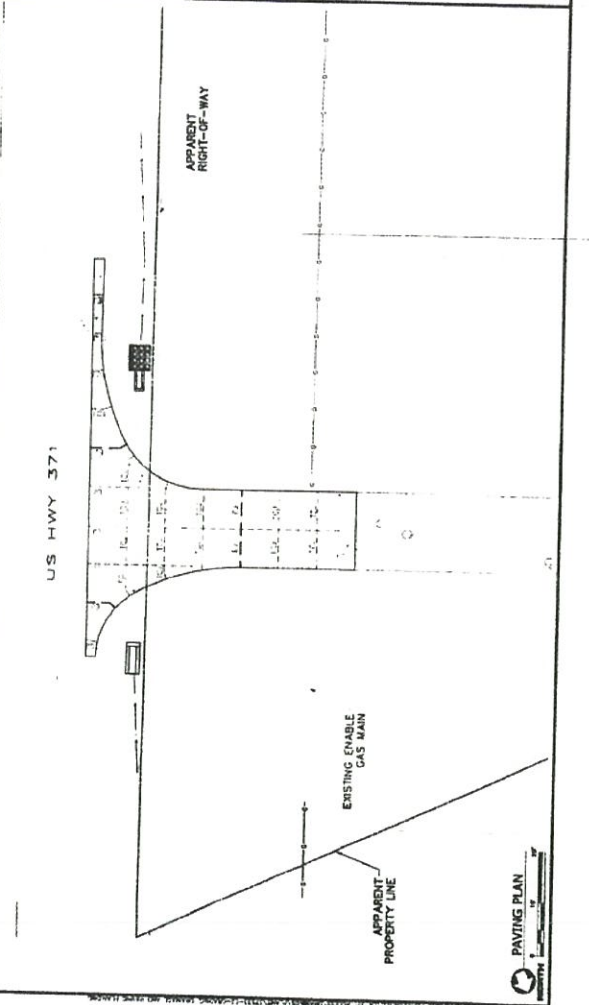
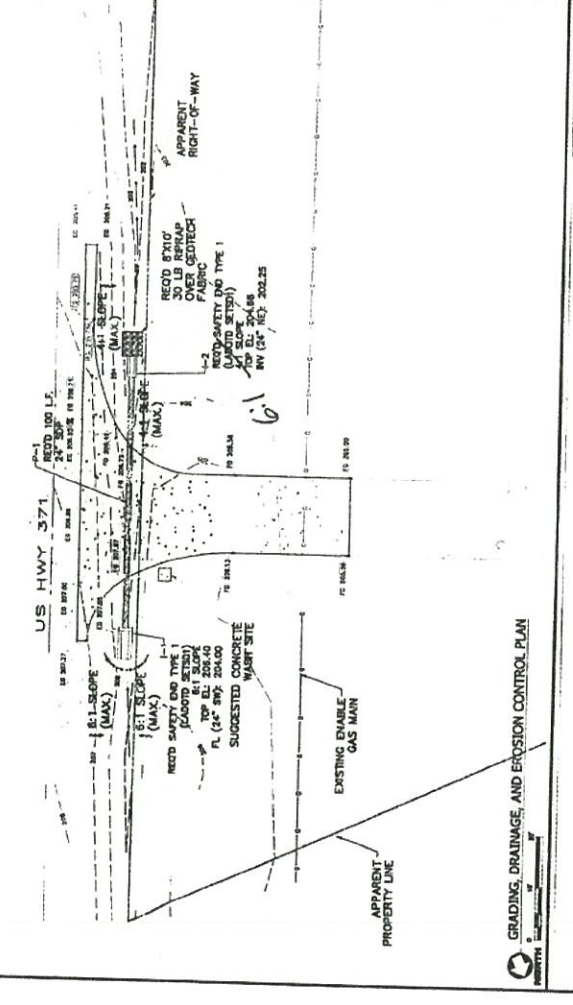
**C-4**  
 SHEET NO. 2 OF 2

- GRADING AND EROSION CONTROL:**
- EARTHWORK SHALL BE IN ACCORDANCE WITH THE LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS & BRIDGES' 2016 EDITION.
  - CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES BEFORE CONSTRUCTION.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING INCLUDING EXCAVATION, DISBURGMENT, AND BACK FILLING AS NECESSARY TO CONSTRUCT ALL PAVEMENT AND ADJACENT TO THE ELEVATIONS SHOWN ON THE PLANS.
  - CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE DONE TO EXISTING FENCING, EXISTING RETAINING WALLS, EXISTING STORM OR SANITARY MANHOLES, OR OTHER EXISTING UTILITIES DURING GRADING.
  - EXISTING VEGETATION AND TOPSOIL SHALL BE REMOVED TO A DEPTH AS NEEDED TO REMOVE ALL ORGANIC MATERIAL.
  - DISBURGMENT WITHIN THE PROPOSED PAVEMENT AND BUILDING SITE AREAS SHALL BE COMPACTED TO NOT LESS THAN 95% (STANDARD PROCTOR).
  - ALL EROSION CONTROL FEATURES SHALL BE IN PLACE BEFORE CONSTRUCTION BEGINS. REFER TO EROSION CONTROL PLAN FOR SPECIFICS.
  - PIPE MATERIAL SHALL BE OF THE FOLLOWING:  
 8" PCC OVER 4" CRUSHED STONE BASE - REQUIRED IN STATE R/W  
 CONTECH A-3000 OR LA DOT APPROVED EQUAL  
 SHALL BE INSTALLED ACCORDING TO THE PLANS AS STATED AND TO THE MANUFACTURER'S SPECIFICATIONS.
  - ALL EXCESS MATERIAL SHALL BE INCORPORATED IN THE DISBURGMENT ON SITE AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ALL EXCESS MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY GRADING OPERATIONS NECESSARY TO CORRECT FAULTY BACK FILLING OR CLEANUP PROCEDURES.
  - TRENCH (SELECT) BACK FILL WILL BE PROVIDED WITHIN THE WHEEL EDGE OF TRENCH OR MANHOLE EXCAVATION IS WITHIN 2 FEET OF ANY PROPOSED OR EXISTING PAVEMENT, CURB, OR SIDEWALK. TO ENSURE TO EXTRA COMPACTATION WILL BE ALLOWED FOR COMBINATION OF THIS WORK.
  - CONTRACTOR TO SEED AND FERTILIZE ALL EXPOSED SLOPES.
- LA DOTD LANEWAY NOTES:**
- ALL DEVIATIONS FROM PLANS OR SPECIFICATIONS WITHIN THE STATE RIGHT-OF-WAY ARE TO BE SUBMITTED TO LA DOTD IN WRITING. PRIOR APPROVAL IS REQUIRED BY LA DOTD DISTRICT UTILITY/PERMIT SPECIALIST BEFORE CHANGES ARE MADE.
  - ALL WORK WITHIN THE STATE RIGHT-OF-WAY WILL BE CONSTRUCTED IN ACCORDANCE WITH LA DOTD STANDARD PLANS AND STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES' LOUISIANA DEPARTMENT OF TRANSPORTATION, 2018 EDITION.
  - LANE CLOSURES WILL NOT BE ALLOWED BETWEEN THE HOURS OF 6AM-8AM AND 5PM-8PM MONDAY-THURSDAY, 6AM-8AM AND 6-11 AM FRIDAY. ALL WORK WITHIN THE STATE RIGHT-OF-WAY SHALL BE CONDUCTED IN ACCORDANCE WITH LA DOTD STANDARD PLANS AND SPECIFICATIONS FOR TEMPORARY TRAFFIC CONTROL MEASURES. CONTRACTOR IS REQUIRED TO PROVIDE A MINIMUM 3 DAYS ADVANCE NOTICE. LA DOTD PERMIT SPECIALIST (318-548-5300), IF PRIOR NOTICE IS NOT PROVIDED LANE CLOSURE WILL NOT BE ALLOWED.
  - BEFORE PERMANENT STRIPING IS PLACED, CONTACT THE LA DOTD DISTRICT TRAFFIC ENGINEER AT (318) 548-5333. STRIPING IN STATE R/W TO BE THROUGH PLASTIC TAPE PER LA DOTD SPECIFICATIONS.
  - STRIPING CONTRACTOR TO INCLUDE IN BID THE COST OF REMAINING EXISTING STRIPING AS NEEDED TO INSTALL PROPOSED STRIPING.
  - JOINTS WITHIN STATE R/W SHALL BE CONSTRUCTED PER LA DOTD STANDARD DETAILS (CP-0).
  - SEE SHEET C-3 FOR LA DOTD PAVEMENT TE-IN DETAIL.
  - CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES BEFORE CONSTRUCTION.
  - FLUDDING OPERATIONS WILL BE REQUIRED IF ANY WORK ENCLOSED ONTO THE TRAVEL LANE. CONTRACTOR TO REFER TO LA DOTD STANDARD PLAN TTD-04 IF NECESSARY.



**CONTRACTOR TO CALL LA. ONE CALL, 811, FOR LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION**

- LEGEND**
- 8" P.C.C. OVER 4" CRUSHED STONE BASE - REQUIRED IN STATE R/W
  - - - CONTRACTOR JOINT
  - - - EXPANSION JOINT
  - SEDIMENT TRAP
  - SUGGESTED CONCRETE WASH SITE







04016822

ISSUED FOR:  CONSTRUCTION  BIDDING  PERMIT  PRELIMINARY

MOHR AND ASSOCIATES, INC.  
1324 N. HEARNER AVE., SUITE 201  
STAGERSPORT, LOUISIANA 71107  
PHONE: (504) 422-4400

AL TEC  
US 371 ACCESS  
RED RIVER PARISH, LA

TEMPORARY TRAFFIC CONTROL PLAN

DATE: 4/24/02  
SCALE: 1/8" = 1'-0"  
SHEET: 21/22

C-6-1

STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
PROJECT: LA 371 ACCESS  
SHEET: 21/22

TEMPORARY TRAFFIC CONTROL  
GENERAL NOTES SHEET

DATE: 7/1/02

**SPEED LIMITS**

- The Engineer may approve a 10 mph drop in the speed limit for posted speeds of 45 mph or greater and for any construction, maintenance or utility operation that requires one or more of the following:
  - (A) The condition of the traveled way is degraded due to milled surfaces or uneven travel lane lines greater than 1.5 inches.
  - (B) Work is in progress in the immediate vicinity of the travel way requiring lane closures or lane width reductions less than 11 feet.
  - (C) Workers present on the shoulder within 2 feet of the edge of the traveled way without barrier protection.
- The reduced speed zone shall only apply to those portions of the project limits affected. The Engineer may allow SPEED LIMIT WHEN FLASHING signs to supplement reduced speed zones.
  - (A) beyond major interchanges;
  - (B) at one mile intervals in rural areas;
  - (C) at half mile intervals in urban areas.
- At the end of the reduced speed zone, a speed limit sign displaying the original speed limit prior to construction shall be installed.
- For other speed limit reductions not listed above, the Project Engineer and the DTDC shall recommend the speed reduction to the Chief Construction Engineer or his appointed designee for approval.
- If the speed limit is reduced more than 10 mph, placement of the signs shall be re-evaluated according to the MUTCD.

**FLASHING ARROW BOARDS**

- All Flashing Arrow Boards shall be 4 feet by 8 feet and Type C.
- Flashing Arrow Boards shall be placed on the shoulder. When there is no shoulder or median cross, the boards shall be placed within the closed lanes behind the obstruction device and as close to the beginning of the taper as practical.
- Flashing arrow boards shall be demarcated with retroreflective TTC-5000 devices.
- At no time shall the arrow board encroach in the traveled way.
- When Flashing Arrow Board signs are not being used, they shall be shielded by guard rail or barriers, or removed.
- Arrow boards shall only be used for lane reduction tapers and shall not be used for lane shifts.

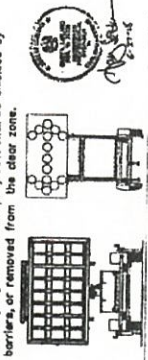
**ABBREVIATIONS**

- AASHTO: American Association of State Highway and Transportation Builders
- ADT: Average Daily Traffic
- AGC: Associated General Contractors of America
- ANSI: American National Standards Institute
- ATSSA: American Traffic Safety Services Association
- B.O.P.: Beginning of Project
- DTDC: District Traffic Operations Engineer
- E.O.P.: End of Project
- LA007D: Louisiana Department of Transportation and Development
- MASH: Manual on Assessing Safety Hardware
- MUTCD: Manual on Uniform Traffic Control Devices
- NCHRP: National Cooperative Highway Research Program
- NHS: National Highway System
- PAR: Portable Changeable Message Sign
- TMS: Traffic Management System
- TMC: Traffic Management Center
- TTC: Temporary Traffic Control
- TTC Standards: Temporary Traffic Control Standard Plans

- On interstates, a minimum of 11 foot lanes shall be maintained. On all other roadways, a 10 foot minimum travel lane should be maintained where practical.
- TTC Standards are not drawn to scale.
- Temporary traffic control plans shall be approved by the Project Engineer prior to each change in temporary traffic control plan.
- Truck restrictions such as (but not limited to) restricting lanes, overpass lanes or times of travel, may be required for narrow lanes or other field conditions. PAYMENT MARKINGS (see AASHTO).
- All pavement markings within the limits of the project or adjacent to the project limits that are in conflict with the project signing or the required traffic movements shall be removed from the pavement by hand cleaning or grinding. Existing striping shall not be painted over with black paint or covered with loam.
- If special pavement markings are needed, they shall be reflectorized, removable and accompanied by the proper signage.
- Temporary Raised Pavement Markers may be added to supplement temporary striping in areas of transition, in tapers, in diversions and in other areas of need as shown in the plans or as directed by the Engineer.
- Lettering and placement of temporary pavement markings shall conform to Section 713 of the Louisiana Standard Specifications for Roads and Bridges. If no pay item exists for temporary markings, they shall be installed under item 713-01-0000.
- Temporary markings included in the permanent configuration shall comply with MUTCD pavement marking standard plans, MUTCD and/or the Project Engineer's striping plans.
- PCMS shall be used on interstates and highways. PCMS shall be used on all other roadways (with the exception of a lane shift, the PCMS should be placed on the right hand side of the taper for interstates and to be determined by the Engineer for other highways).
- For interstates and multi-lane highways, if vehicles are queuing beyond the 2 mile PCMS, an additional PCMS should be placed on the right hand side of the road approximately 5 mile advance of the taper or at the end of the queue, whichever is greater.
- PCMS messages shall be approved by the DTDC. Messages shall be no more than 3 lines and 2 screens.
- Messages shall display only traffic operational, regulatory, warning and guidance information. PCMS messages shall not display obnoxious or safety messages. Messages should only convey information concerning the problem/allocation, location, and recommended driver action.
- PCMS should be placed as far from the traveled lane as possible. They shall be demarcated with a min. 3 drum taper spaced at 20ft with a 10' overlap.
- If the PCMS encroaches on the improved shoulder then the contractor shall install a shoulder closure.
- When the PCMS is not displaying a work zone appropriate message pertaining to the construction project it shall be shielded by guard rail or barriers or removed from the other zone.

**GENERAL PROVISIONS**

- All temporary traffic control (TTC) devices used shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges, the MUTCD, and shall meet the NCHRP Report 350 or MASH requirements for Test Level 3 devices where applicable.
- Materials used for TTC shall be in accordance with the Louisiana Standard Specifications for Roads and Bridges and, when applicable, the LA007D AAL.
- Placement of TTC devices shall not commence without the approval of the Engineer and until work is about to begin, unless they are covered.
- No lane closures, lane shifts, diversions or detours shall occur without the approval of the Engineer.
- Responsibility is hereby placed upon the contractor for the installation, maintenance and operation of all TTC devices called for in these plans or required by the Engineer for the protection of the traveling public as well as LA007D and construction personnel.
- The contractor shall also be responsible for the maintenance of all permanent signs, pavement markings, and traffic signals left in place as essential to the safe movement and guidance of traffic within the project limits unless noted in the plans.
- The DTDC shall serve as a technical advisor to the Engineer for all traffic control matters.
- The Chief Construction Engineer or his appointed designee shall approve all signs and situations not addressed in the plans based on the recommendations of the Project Engineer and the DTDC. All changes shall be noted on the Project Engineer's and DTDC's design sheets.
- The Chief Construction Engineer or his appointed designee shall approve all design sheets of diversions or shifts, if it differs from design plans, based on the recommendations of the Project Engineer and the DTDC.
- All temporary traffic control plans shall comply with the Transportation Management Plan.
- Any additional signs shown in the MUTCD and required by the Engineer shall be installed under item 713-01-0000.
- Neither mark activity nor storage of equipment, vehicles, TMs, or materials shall occur within the buffer zone.
- When a work area has been established on one side of the roadway only, there shall be no conflicting operations or parking on the opposite shoulder within 500 feet of the work area.
- A lighting plan shall be submitted to the Engineer 30 days prior to night work for approval. (See section 103.20 of the Louisiana Standard Specifications for Roads and Bridges.)
- Parking of vehicles or unattended equipment or storage of materials within the clear zone shall not be permitted unless protected by guardrail or barriers. If the clear zone is not defined on the plan sheets, the Engineer shall verify.
- Immediately upon removal of existing guardrail, the contractor shall install and maintain an NCHRP Report 350 or MASH approved device to protect the blunt end of the bridge or column until new guardrail is installed. After removal of the existing guardrail, new guardrail should be installed within seven (7) days. On non-NHS routes with shoulders less than 8 feet wide: If an NCHRP 350 Report Test Level 3 or MASH device is required but the field conditions of the roadway cannot support a Test Level 3 device, then a Test Level 2 device can be substituted in its place upon approval by the Engineer.
- A TMA is allowed for a minimum of 72 hours.
- All costs associated with crash devices are to be included in the contract.
- Sight triangles shall be considered when placing traffic control devices.
- On all mainline interstates, a minimum of 1.5 feet of paved shoulder on the left and right side shall be maintained at all times.



ALL TTC STANDARDS SHOWN UNDER CONSTRUCTION SIGNING. ALL SITUATIONS SHALL BE REVIEWED BY THE ENGINEER. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.







**6.3**  
 Date: 11/13/13  
 Drawn: J.P.P.  
 Title: TEMPORARY TRAFFIC CONTROL PLAN  
 Project: RED RIVER PARISH, LA  
 Client: US 371 ACCESS  
 Designer: ALTEC

MOHR AND ASSOCIATES, INC.  
 Consulting Civil Engineers & Land Surveyors  
 1328 N. Heald Ave., Suite 201  
 Metairie, Louisiana 70002  
 Phone: (504) 885-7100  
 Fax: (504) 885-4400

ISSUED FOR: \_\_\_\_\_  
 PREPARED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

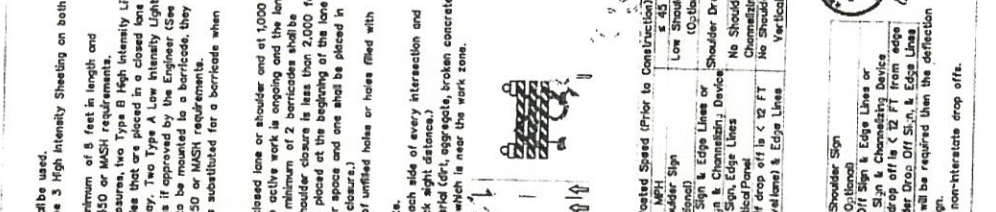


**STANDARD DEVICE SPACING AND BUFFER SPACE**

TYPE	MINIMUM SPACING (FT)	MINIMUM BUFFER SPACE (FT)
1	10	12
2	10	12
3	10	12
4	10	12
5	10	12
6	10	12
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90	10	12
91	10	12
92	10	12
93	10	12
94	10	12
95	10	12
96	10	12
97	10	12
98	10	12
99	10	12
100	10	12

**TYPE III BARRICADES**

- Only Type III Barricades shall be used.
- All barricades shall use Type 3 High Intensity Sheeting on both sides of the barricade.
- All barricades shall be a minimum of 5 feet in length and must meet NCHRP Report 350 or MASH requirements.
- When used for overnight closures, two Type B High Intensity Lights shall supplement all barricades that are placed in urban areas or that extend across a highway. Two Type A Low Intensity Lights may be used in urban areas if approved by the Engineer (See AML).
- When signs and lights are to be mounted to a barricade, they must meet NCHRP Report 350 or MASH requirements.
- A truck with a TMA may be substituted for a barricade when workers are present.
- Barricades shall be placed:
  - (A) at the beginning of a closed lane or shoulder and at 1,000 foot intervals where no active work is ongoing and the lane must remain closed. A minimum of 2 barricades shall be placed if the lane or shoulder closure is less than 2,000 feet.
  - (B) Barricades shall be placed at the beginning of the lane closure after the buffer space and one shall be placed in the middle of the lane closure.
  - (C) At every 100 feet.
  - (D) At every 100 feet in each side of every intersection and crossover.
  - (E) In front of slip lanes at grade (left, aggregate, broken concrete, curbs and exposed shoulders) when near the work zone.

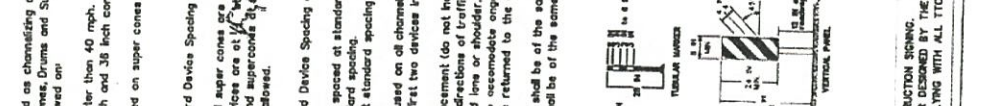


**TTC for DROP-OFFS**

Average Drop-off	Current Posted Speed (Prior to Construction)
> 10 IN	> 45 MPH
> 6 IN	Low Shoulder Sign (0-lane)
> 3 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device
> 10 IN	Concrete Barrier (if drop-off is < 12 FT from edge of travel lane) & Edge Lines
> 6 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device
> 3 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device
> 10 IN	Concrete Barrier (if drop-off is < 12 FT from edge of travel lane) & Edge Lines
> 6 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device
> 3 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device

**CHANNELIZING DEVICES**

- The following devices may be used as channelizing devices:
  - Tubular Markers, Vertical Panels, Cones, Drums and Super Cones.
  - 28 inch traffic cones are not allowed on:
  - 1) Interstates
  - 2) Highways with speeds greater than 40 mph.
  - 3) During nighttime operations, 28 inch and 36 inch cones are not allowed.
  - 4) Reflective traffic cones used on super cones shall match that used on drums.
  - 5) Tangent Arrays:
  - A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
  - B) Double Spacing: Drums and super cones are spaced at standard spacing. All other devices are at 1/2 standard spacing.
  - C) Nighttime Operations: Drums and super cones at standard spacing are the only devices allowed.
- Super Arrays:
  - A) Standard Spacing: See Standard Device Spacing and Buffer Space table.
  - B) Double Spacing: Drums are spaced at standard spacing. All other devices are at 1/2 standard spacing.
  - C) Nighttime Operations: Drums (at standard spacing) are the only devices allowed.
- Type C steady state devices:
  - Devices in this type shall be used on all channelizing devices in the work zone as well as the first two devices in the taper at night (see the AML).
  - Typical channelizing device lateral placement (do not include when it is used as a divider for opposing directions of traffic) shall be 2 feet off the lane line in the closed lane or shoulder.
  - Devices may be adjusted slightly to accommodate ongoing work in the immediate vicinity but must be returned to the closed lane after the work activity has moved.
  - Channelizing devices on the lane line shall be of the same type.
  - Channelizing devices in each taper shall be of the same type.



**TTC for DROP-OFFS**

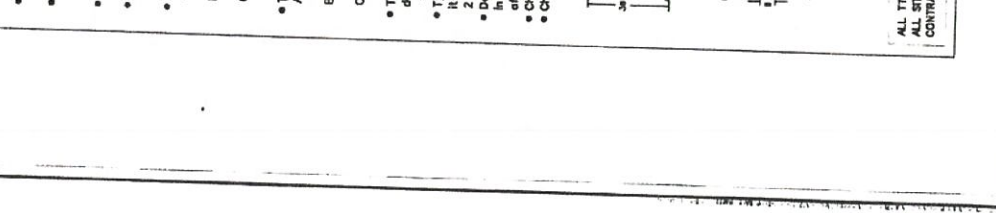
**NON-INTERSTATE**

Average Drop-off	Current Posted Speed (Prior to Construction)
> 10 IN	> 45 MPH
> 6 IN	Low Shoulder Sign (0-lane)
> 3 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device
> 10 IN	Concrete Barrier (if drop-off is < 12 FT from edge of travel lane) & Edge Lines
> 6 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device
> 3 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device

**INTERSTATE**

Average Drop-off	Current Posted Speed (Prior to Construction)
> 10 IN	> 45 MPH
> 6 IN	Low Shoulder Sign (0-lane)
> 3 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device
> 10 IN	Concrete Barrier (if drop-off is < 12 FT from edge of travel lane) & Edge Lines
> 6 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device
> 3 IN	Shoulder Drop Off Sign & Edge Lines or Shoulder Sign & Channelizing Device

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SPACING. ALL SITUATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.



**STANDARD DEVICE SPACING AND BUFFER SPACE**

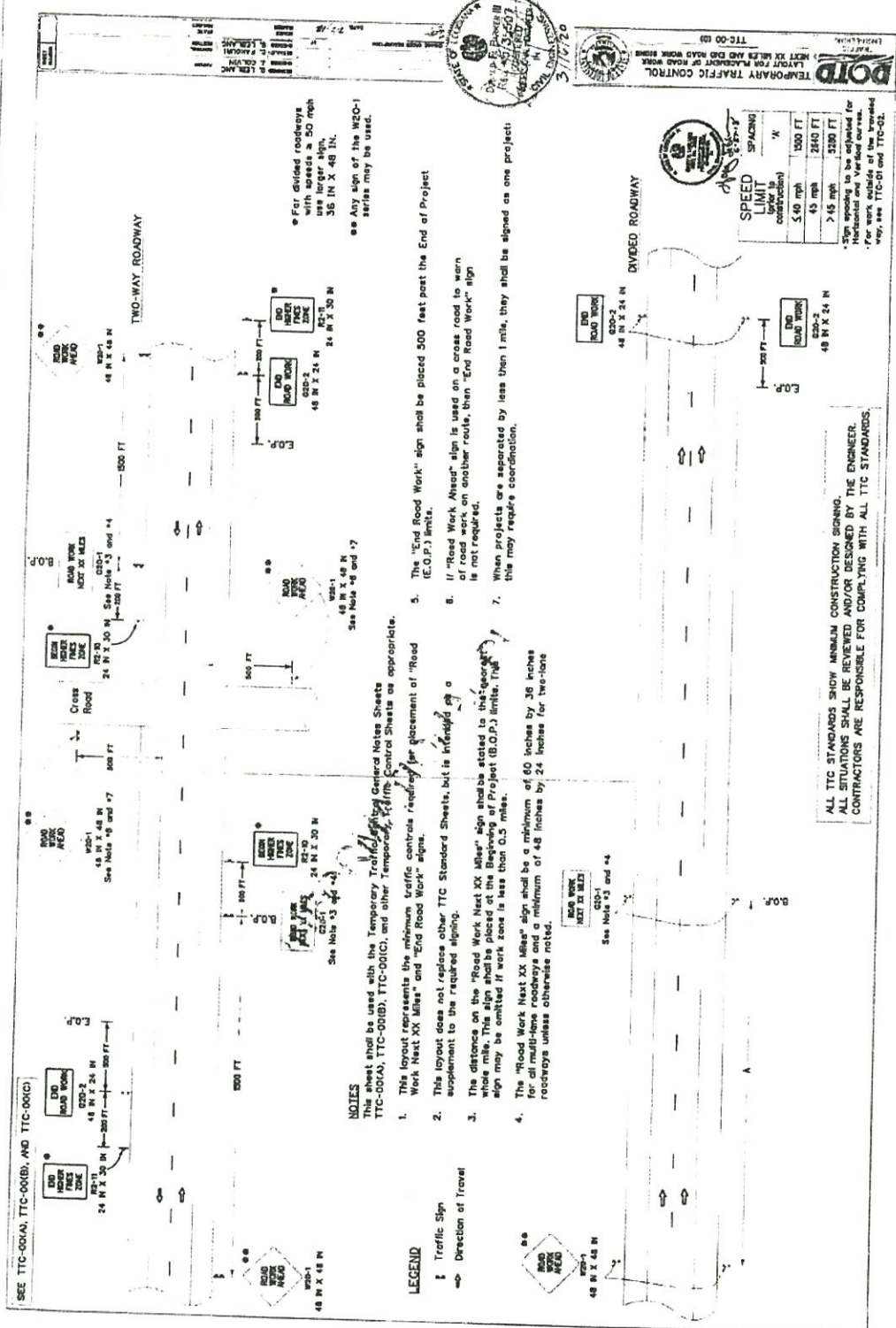
TYPE	MINIMUM SPACING (FT)	MINIMUM BUFFER SPACE (FT)
1	10	12
2	10	12
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**ALTEC**  
 US 371 ACCESS  
 RED RIVER PARISH, LA  
 TEMPORARY TRAFFIC CONTROL PLAN

Date: \_\_\_\_\_  
 Issue: \_\_\_\_\_  
 Drawn: \_\_\_\_\_  
 App. No.: \_\_\_\_\_  
 Scale: \_\_\_\_\_  
**66-4**  
 of 68 Sheets

ISSUED FOR: \_\_\_\_\_  
 PREPARED BY: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 PURPOSE: \_\_\_\_\_  
 CONSTRUCTION: \_\_\_\_\_

**Mohr and Associates, Inc.**  
 Consulting Civil Engineers & Land Surveyors  
 1324 N. Herndon Ave., Ste 301  
 Stoverport, Louisiana 71077  
 Phone: (504) 885-7190  
 Fax: (504) 885-4400



- NOTES**  
 This sheet shall be used with the Temporary Traffic Control Notes Sheets TTC-000A, TTC-000B, TTC-000C, and other Temporary Traffic Control Sheets as appropriate.
1. This layout represents the minimum traffic control required for placement of "Road Work Next XX Miles" and "End Road Work" signs.
  2. This layout does not replace other TTC Standard Sheets, but is intended as a supplement to the required signing.
  3. The distance on the "Road Work Next XX Miles" sign shall be stated to the nearest whole mile. This sign shall be placed at the Beginning of Project (B.O.P.) limits. The sign may be omitted if work zone is less than 0.5 miles.
  4. The "Road Work Next XX Miles" sign shall be a minimum of 40 inches by 36 inches for all multi-lane roadways and a minimum of 48 inches by 24 inches for two-lane roadways unless otherwise noted.

**LEGEND**

[Symbol] Traffic Sign  
 [Symbol] Direction of Travel

ALL TTC STANDARDS SHOW MINIMUM CONSTRUCTION SIGNING.  
 ALL SITUATIONS SHALL BE REVIEWED AND/OR DESIGNED BY THE ENGINEER.  
 CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL TTC STANDARDS.

**DOTD**  
 TEMPORARY TRAFFIC CONTROL  
 LAYOUT FOR ROAD WORK  
 RIGHT XX MILES FROM B.O.P.

TITC-00-03  
 3/17/20

3/17/20  
 3/17/20  
 3/17/20

SPEED LIMIT (mph)	SPACING (ft)	X
45 mph	2840 FT	
> 45 mph	3200 FT	

\* Sign spacing to be adjusted for Horizontal and Vertical curves.  
 \* For work outside of the traveled way, see TTC-01 and TTC-02.



