

APPLICATION AND AGREEMENT FOR USE OF HIGHWAY RIGHT-OF-WAY FOR UTILITIES ACCOMMODATION

ACRIDED AD TMENT USE ONLY		and the second			
Permit Number 854-2016-0	08 Highw	vay Number	US 69	County	tory
DOT Project Number	•			Expiration/Co	ompletion Date
HER ITANT INDIVIDUAL OR GODERATIVE					
First Name	Middle	Last Name		Phone Numb	er Ext.
Company Name Dakota Access, LLC				Phone Numb (903) 821-18	
Street Address 1300 Main Street			City/Town Houston	State ZI	P Code 7002
I INSTALLATION TO BE ACCOMMODATED Approval is nereby requested to enter within the status of funder described as follows.	e highway righ	nt-of-way for the a	accommodation of a utility in	stallation as detailed on	the attachments
The installation shall consist of: The pipeline is a 30 inch Crude Oil line that is to be installed, operated and maintained by Dakota Access, LLC. The pipeline installation (road crossing) will be preformed via a horizontal directional drill (HDD). The HDD method is a technically advanced process involving specialized equipment and skilled operators. The method involves placing a drill rig/unit on one side of the road (outside of road right of way). After a pilot hole has been completed, specialized reaming tools are used to enlarge the pilot hole in order to accommodate the diameter of the pipeline. Once the properly sized hole is established, the pipe section is pulled through the hole by the drilling rig.					
and shall be located as shown on the detailed Accommodation Policy for submittal of detailed	plan attache siled plan re	d hereto. (See	current lowa Departmen	nt of Transportation	Utility
WORK SITE LOCATION					
The proposed work as described above is local	ted in Sectio	n <u>2</u>	, Twp. 82 Nor		
10. Commander = 10. Commander	Highway No	. <u>69</u> g	enerally located 0.28	(miles) Nor	th
(direction) from 282nd Street	2 00		(city, county line, or other	er land line). Work pro	posed is more
specifically located as being from 109 to 109, 88 (Milepost #) and 30	10+58		Ailepost #) and 300+58		ghway Station)
(Milepost #) and 2			lighway Station) on the _	Sid	de of highway.
I have read this Agreement, understand its properties to Transportation		Signature and agree to al		accommodation police	cy of the lowa
Name of Agent (Print or Type) Clint M Wren	Agent/Ov	yner (Signature)	Title Sr. Permitting Agent	t
Name of Owner (Print or Type) Dakota Access, LLC				Date 3/30/15	
CITY ACTION (IF PROPOSED WORK IS WITHIN AN INCORPORATED CITY, CITY ACTION IS REQUIRED)					
"The undersigned city joins in the grants embodied in the above permit executed by the lowa Department of Transportation on condition that all of the covenants and undertakings therein running to the lowa Department of Transportation shall inure to the benefit of the undersigned city and recommends action on said permit application as noted below by the delegated city official".					
Recommend Approval	o Not Recom	mend Approval		None Requi	ired
Handwritten Signature	Title			Date	
Type or Print Name Authorized Official for the City of					
COUNTY ACTION (IF PROPOSED WORK CROSSES COUNTY RIGHT-OF-WAY, COUNTY ACTION IS REQUIRED)					
The undersigned county joins in the grants embodied in the above permit executed by the lowa Department of Transportation on condition that all of the covenants and undertakings therein running to the lowa Department of Transportation shall inure to the benefit of the undersigned county and recommends action on said permit application as noted below by the delegated county official.					
- 1 12 12 12 12 12 12 12 12 12 12 12 12 1		mend Approval	-	☐ None Requ	
Handwritten Signature	Title			Date	
Type or Print Name			Authorized Official for th	e County of	

(DOT/FHWA Signatures and Agreements on next page)

FOR DEPARTMENT USE ONLY				
Special Requirements - in addition to the stipulations belo See Attachment FEDERAL HIGHWAY ADMINISTRATION ACTION (WHEI	4	requirements shall apply	to this permit:	
	mend Approval	Ĺ	None Required	
Authorized FHWA Representative Signature Date				
DEPARTMENT OF TRANSPORTATION FINAL ACTION Application Approved Application De	enled	Permit Number:		
Authorized Highway District Representative Signature Date				
Notice of intention to start construction or maintenance activities on the high	way right-of-way shall be made	lo:		
Local DOT Contact Person (Type or Print Name)			Phone Number	
Street Address	City/Tov	vn	State ZIP Code	

AGREEMENTS

The utility company, corporation, applicant, permit holder or licensee, (hereinafter referred to as the Permit Holder) agrees with the lowa Department (hereafter referred to as Department) that the following stipulations and those special requirements as listed on this page shall govern under this permit.

- 1. The installation shall meet the requirements of local municipal, county, state, and federal lowa franchise rules and regulations, lations and directives of the lowa State Commerce Commission; the Department of Natural Resources, all rules and regulations of the Department and any other laws or regulations applicable.
- 2. The Permit Holder shall be fully responsible for any future adjustments of the facilities within the established highway right-of-way caused by highway construction or maintenance operations.

 3. Non-compliance with any of the terms of the Department's policy, permit or agreement, may be considered cause for shut-down of
- utility construction operations or withholding of relocation reimbursement until compliance is assured, or revocation of the permit. The cost of any work caused to be performed by the State in removal of non-complying construction will be assessed against the Permit Holder.
- 4. The work described in this permit shall be completed as proposed in compliance with the stipulations and special requirements within one year from the date Department approval is received for said request. Failure on the part of the Permit Holder to abide by the stipulations or in constructing the work described as stipulated and within the time frame stated shall render this agreement and request null and void. The Permit Holder also agrees to save the State of Iowa and the Department harmless of any damages or losses that may be sustained by any person, or persons, on account of the conditions and requirements of this agreement.

B. Construction and Maintenance

- 1. The location, construction and maintenance of the utility installation covered by this application shall be in accordance with the current Department's Utility Accommodation Policy.

 2. Before beginning any work in the highway right-of-way, it is the responsibility of the Permit Holder to obtain an easement from the
- drainage district if necessary. The Department assumes no responsibility for advising the Permit Holder of each location of a drainage district crossing. It is the Permit Holder's responsibility to locate these crossings and obtain any necessary easements or permission from the drainage district. See Code of Iowa, Chapter 468 for additional information.
- 3. A copy of the approved permit shall be available on the job site at all times for examination by Department officials.
- All traffic control including sign placement and flagging are the responsibility of the Permit Holder. The original placement of signs and their removal upon completion of the work shall be accomplished by the Permit Holder.
 Operations in the construction and maintenance of said utility installation shall be carried on in such a manner as to cause minimum interference to or distraction of traffic on said highway.
- 6. After November 24, 2008, all personnel in the highway right-of-way shall wear ANSI 107 Class 2 apparel at all times when exposed

C. Liability

- 1. The Permit Holder shall indemnify and save harmless the State of Iowa, its agencies and employees, from any and all causes of action, suits at law or in equity, for losses, damages, claims or demands, and from any and all liability and expense of whatsoever nature, arising out of or in connection with the Permit Holder's use or occupancy of the public highway.
- 2. The state of lowa and the Department assume no responsibility for damages to the Permit Holder's property occasioned by any construction or maintenance operations on said highway if Permit Holder has been notified in accordance with stipulation num or if the facilities are not located in accordance with this permit.
- 3. The State of lowa, its agencies or employees, will be liable for expense incurred by the Permit Holder in its use and occupancy of the highway right-of-way only when negligence of the State, its agencies or employees, is the sole proximate cause of such expense.

 Whether in contract, tort or otherwise, the liability of the State, its agencies and employees, is limited to the reasonable, direct expense to repair damaged utilities, and in no event will such liability extend to loss of profits or business, indirect, special, consequential or incidental damages.

D. Notification

- 1. The Permit Holder is responsible for contacting Iowa One-Call (1-800-292-8989) and request the location of any underground utilities forty-eight (48) hours before excavation. Before beginning work in the highway right-of-way, the Permit Holder shall also contact any other known utility located in the area of the proposed work.
- The Permit Holder agrees to give the Department forty-eight hours notice of its intention to start construction or to perform routine maintenance on the highway right-of-way. Said notice shall be made to the contact person whose name is shown on this page.
 The Department shall give the Permit Holder at least forty-eight hours notice of any proposed construction or maintenance work, on
- either existing or newly acquired right-of-way when the proposed work will be ten feet of a utility location as previously approved by the Department by permit or written agreement. The Permit Holder shall be responsible within this time frame to arrange to protect its facilities.

sure Statement: The information furnished on this form will be used by the Department of Transportation to determine approval or denial of the tion. Failure to provide all information will result in denial of the application. Information furnished is public information and copies may be provided to the public upon request.

Page 2 of 2

Special Requirements

Minimum depth/cover to be 5 feet of cover within the ditches as measured from the top of pipe.

No open cuts will be allowed within the right of way.

Only clean material shall be used in the right of way.

Proper drainage shall be maintained at all times. All erosion control that is placed within the right of way shall be maintained. Vegetation shall be restored after completion and it will be the contractor's responsibility to remove any obstructions in the right of way placed by the contractor.

All disturbed areas shall be restored to the IDOTs requirements and satisfaction.

No equipment or material shall be stored in the right of way during non-working hours.

No parking shall be allowed on the shoulders of the roadway.

All access to the work site shall be from approved designated areas by the IDOT.

All crossings shall be constructed as approved by the IDOT.

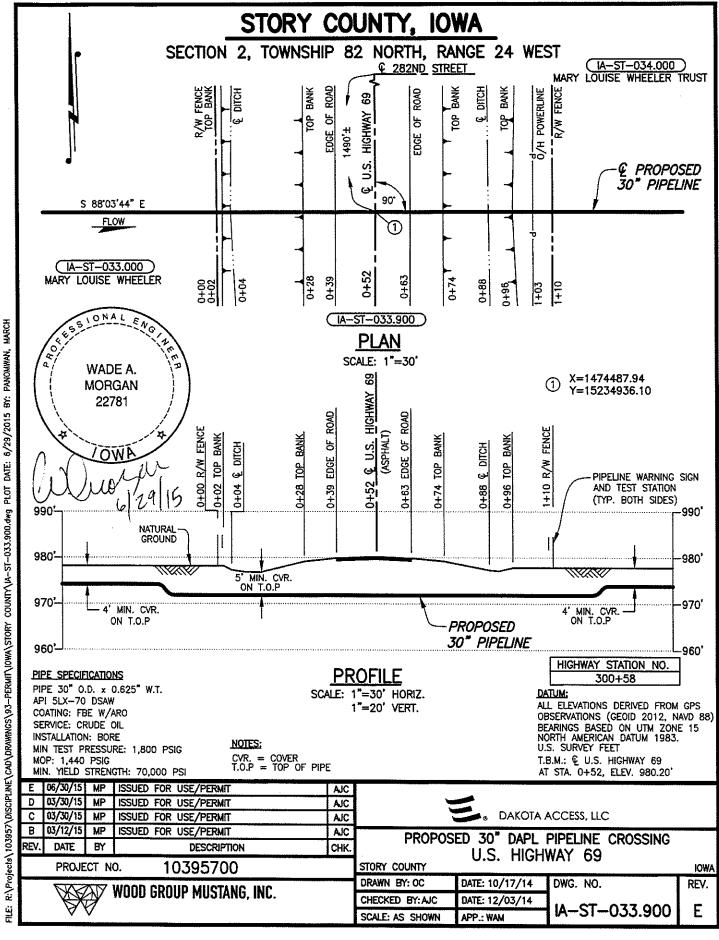
Crossings of the highway shall be during daylight hours when visibility is clear.

Proper Traffic Control is to be done t all times in accordance to the MUTCD.

Applicant is responsible to notify 511 in advance of highway crossings.

The highway surface shall be kept clean and free of debris at all times.

Applicant is responsible for all highway crossing damages that may occur, repairs shall be done under the direction and satisfaction of the IDOT in a timely manner.



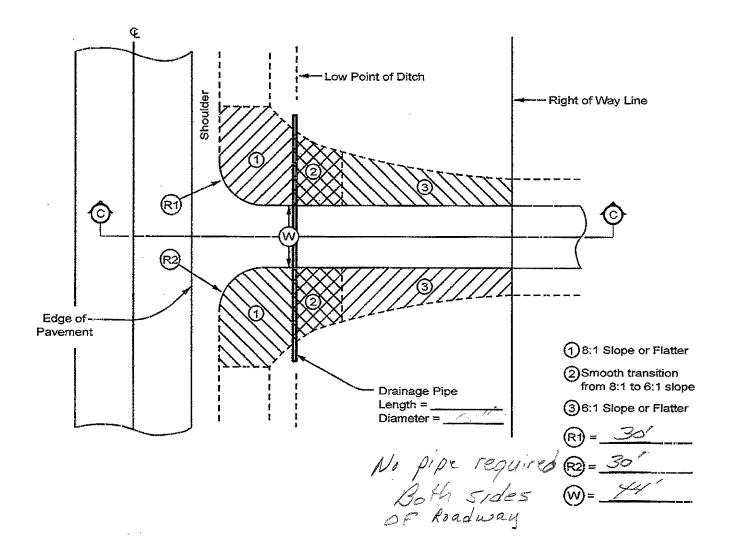
R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\IOWA\STORY COUNTY\A-ST-033.900.64g PLOT DATE: 6/29/2015 BY: PANOMWIN,

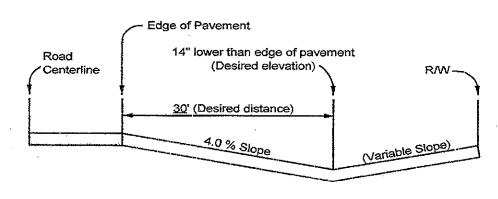
TYPICAL ACCESS DETAIL

Permit No<u>85U-201</u>6-088

Page 1 of 1

RURAL DESIGNED AREA GRANULAR ENTRANCE CULVERT REQUIRED





SECTION C - C

Table 2601.03-1: Rural Stabilizing Crop Seeding Rates and Schedule

March 1 through	gh October 31
Oat Graîn rye Canada wildrye (Elymus canadensis)	50 lbs. per acre (56 kg/ha) 50 lbs. per acre (56 kg/ha) 5 lbs PLS. per acre (6 kg/ha)
November 1 through	February 28 (or 29)
Oat Grain rye Canada wildrye (Elymus canadensis)	62 lbs. per acre (69 kg/ha) 62 lbs. per acre (69 kg/ha) 7 lbs. PLS. per acre (8 kg/ha)
For stabilizing crop only, Canada wildrye (required to be certified as Source Identifie	Elymus canadensis) seed will not be d Class (Yellow Tag) Source GO-lowa.
Canada wildrye (Elymus canadensis) seed facilitate application of seed.	

Table 2601.03-2: Urban Stabilizing Crop Seeding Rates

Bluegrass, Kentucky	122 lbs. per acre (137 kg/ha)
Ryegrass, Perennial (fineleaf variety)	35 lbs. per acre (39 kg/ha)
Fescue, Creeping Red	18 lbs. per acre (20 kg/ha)

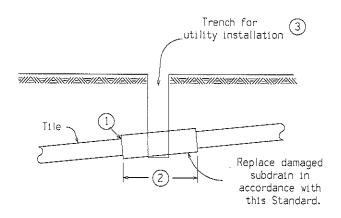
Table 2601.03-3: Permanent Seed Rates, Rural Areas

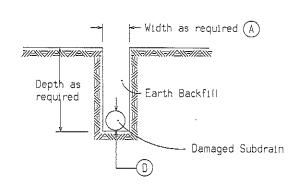
Fescue, Tall (Fawn)	100 lbs. per acre (112 kg/ha)
Ryegrass, Perennial (Linn)	75 lbs. per acre (84 kg/ha)
Bluegrass, Kenlucky	20 lbs. per acre (22 kg/ha)

Table 2601.03-4: Permanent Seed Rates, Urban Areas

Bluegrass, Kentucky	122 lbs. per acre (137 kg/ha)
Ryegrass, Perennial (fineleaf variety)	35 lbs. per acre (39 kg/ha)
Fescue, Creeping Red	18 lbs. per acre (20 kg/ha)

Tile Line Repair Guideline





Note: Replacement of drainage tile shall be accomplished so as to cause the minimum of disturbance to existing field tile. The repaired drainage tile shall be left in a functional condition with special emphasis placed on maintaining existing flow line elevations.

(A)= A minimum of 24" shall be excavated outside the normal utility trench wall or such greater width as may be required to expose a minimum of 12" of undamaged drain tile.

REPLACEMENT SCHEDULE - CASE 'A'										
Existing Tile ①	4	6	8	10	12	15	18	21	24	-2 4
Proposed Subdrain Size										
Concrete Pipe	-	-	12	15	15	18	21	24	30	D+6"
Coated C.M.P.	10	12	15	18	21	24	30	36	36	*

 \star Replacement sizes provide equivalent capacity based on 6" settlement assumming a 0.20% slope with n = 0.013 for concrete pipe and n = 0.025 for corrugated pipe (Manning Formula)

NOTES:

Tile lines disturbed within the right-of-way (outside the Roadway Embankment Area \ast) limits shall be repaired as follows:

May be repaired with schedule 40 PVC pipe of compatible size or in accordance with the replacement schedule-case 'A' as listed above. Replacement with schedule 40 PVC pipe shall require using a connecting device of a Femco plain and plain flexible pipe coupling or equal.

Tile lines disturbed within the "Roadway Embankment Area" shall be replaced in accordance with the replacement schedule - case 'A' stated above and as follows:

①Concrete collar to be placed around joint where existing tile line and corrugated aluminized metal pipe connect.

- (2) Minimum length of corrugated metal pipe shall be 4 feet. Minimum length of 2 feet on each side of the tile line break location.
- 3 Trench shall be backfilled with 8 inches loose material, compacted to 6 inches with a minimum of 95% compaction of natural density.
 - A. Backfill and compact area around drain tile to be completed by hand until new tile is completely covered. Remainder of the trench shall be backfilled by acceptable methods.
 - B. Area shall require inspection by the Iowa Department of Transportation inspectors or their designated personnel prior to backfilling of trench.
- * "Roadway Embankment Area" is defined as the area lying between the foreslopes of a two-lane roadway and from near foreslope to far foreslope of a four lane roadway.



www.iowadot.gov

Office of Traffic and Safety

800 Lincoln Way Ames, Iowa 50010 Phone: 515-239-1014

Email: bryan.bradley@dot.iowa.gov

Notification of width or height restrictions on Iowa primary highways – Utility Requirements

To: Utility companies

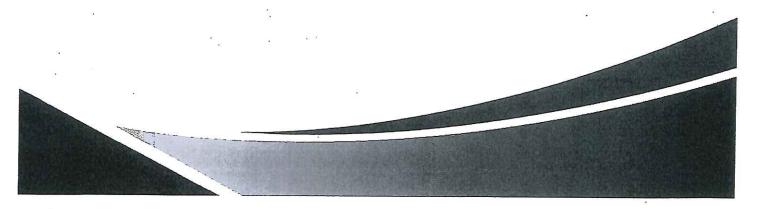
Subject: Notification of width or height restrictions on Iowa primary highways

Date: February 17, 2014

In accordance with the stipulations on all Utility Accommodation permits, utilities may not obstruct or close primary highways without prior consent of the lowa DOT, except in emergency situations. The permit holder must notify the DOT 48 hours in advance of its intention to start construction or perform routine maintenance on the highway right-of way. The purpose of this note is to remind you of these requirements and provide guidance on how to give proper notice and information to the lowa DOT.

Even short term partial closures can have a significant impact on the operation of highway system. The lowa DOT is working hard to improve the accuracy of the information provided by the lowa 511 traveler information system, (http://511ia.org/) but we need your help. Besides providing real-time information to the traveling public, this system is also used by the lowa DOT to route oversize loads. Having accurate information on the location, extent and duration of lane restrictions is critical for their routing processes.

Before setting up a lane closure or any vertical/horizontal restriction on a primary highway, call your local lowa DOT maintenance garage, as shown on the lowa DOT Districts web page, http://www.iowadot.gov/districtshome.html to discuss timing and date of the closure/restriction. Once the maintenance garage concurs with the timing and date, it is your responsibility to call the lowa DOT Traffic Operations Center (TOC) at (515-239-1440). The TOC will add the information to the 511



system, which generates an automatic message to lowa DOT Motor Carrier Services (MCS) and the District office.

This notification does not replace the need for a permit application. Permits are required for utility accommodation and for any and all work on right of way, except emergency work.

Except in emergency situations, 48 hour advance notice is the minimum required. The preference is for a 10 day notice as permits for oversize loads are issued up to 10 days in advance. If a 10 day notice is not possible, MCS will have to check for permitted loads on those routes for possible conflicts and work with the permit holders and DOT Maintenance office to resolve the conflicts. In emergency situations, notification should be provided as soon as possible.

When providing notice to the lowa DOT, you will need to supply detailed information about the restriction. It is advised you have this information (last 2 pages) when you call the TOC. The same detailed information to be provided is also listed at:

http://www.iowadot.gov/local_systems/mailing/2014/january/511_information_form.pdf.

If you have any questions, **please do not reply to this note**. Instead, you may contact either your local lowa DOT maintenance garage or the TOC.

Thank you in advance for your cooperation.

Sincerely,

Bryan Bradley

State Utility Engineer 515-239-1014

bryan.bradley@iowa.gov

Iowa Department of Transportation

Bujan S. Bulley

IOWA DEPARTMENT OF TRANSPORTATION I WWW.IOWADOT.GOV

511 Information Required

Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway extension, call your local lowa DOT maintenance garage to discuss timing and date of the closure/restriction. Once the maintenance garage concurs with the timing and date, call the lowa DOT Traffic Operations Center (TOC) at **515-239-1440**. The TOC will put the information in the 511 system, which generates an automatic message to lowa DOT Motor Carrier Services (MCS) and the District office.

The following information is required to enter a maintenance/construction event into the lowar DOT 511 system. Requestor: ___ _ Contact number: _ Route(s) affected: Project description: Project begin location (detailed description including cross streets and mile markers): Project end location (detailed description including cross streets and mile markers): County/Counties: 24 hour project contact: Describe the impact on traffic: ☐ Closed ☐ Right lane closed ☐ Closed intermittently ☐ Left lane closed ☐ Intermittent lane closure ☐ Center lane closed ☐ Alternating lane closures ☐ Right shoulder closed ☐ Reduced to one lane ☐ Left Shoulder closed

☐ Exit ramp closed

☐ Entrance ramp closed

☐ Reduced to two lanes

☐ Reduced to three lanes

☐ Two center lanes are closed	☐ Road construction
☐ Left exit ramp closed	☐ Work in the median
☐ Shoulder closed	☐ Opposing traffic
☐ Bridge closed	Single lane traffic alternating directions
☐ Intersecting road closed	
Local road closures in area	
☐ Left lane of exit ramp closed	•
Additional project information (pilot car, flagger,	etc.):
;	
Will there be temporary overhead signals? (15' s ☐ Yes ☐ No	standard height restriction)
If yes, please provide the location of the tempora	ary overhead signals in the space provided.
•	·
Are there any other width or height restrictions: ☐ Yes ☐ No	
If yes, please describe:	•
Additional public website comments:	
	·
Project beginning date and time:	
Project ending date and time:	
Times of closure ☐ Continuous ☐ Weekdays (Monday – Friday)) □ Nights
Times of closure:	

