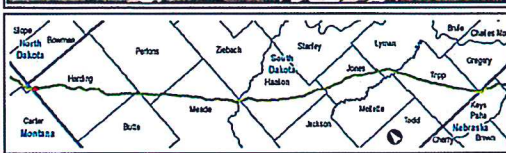


SOUTH DAKOTA ROUTE VARIATION - 0470-01 (2014 NAIP IMAGERY)

TransCanada
a business of enbridge



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0470-01

COUNTY: HARDING	DRAWN BY: CJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV. NO.: 1	REVISED FOR REVISION
DATE: 2014-01-21	
PRELIMINARY	
DATE: 2/15/2011	PROJECT: 0470-01

PROPOSED BY

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TALLAHASSEE, FL 32304, USA

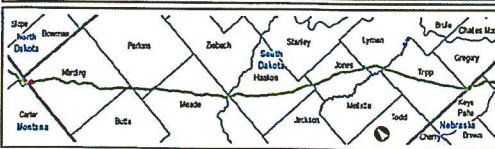
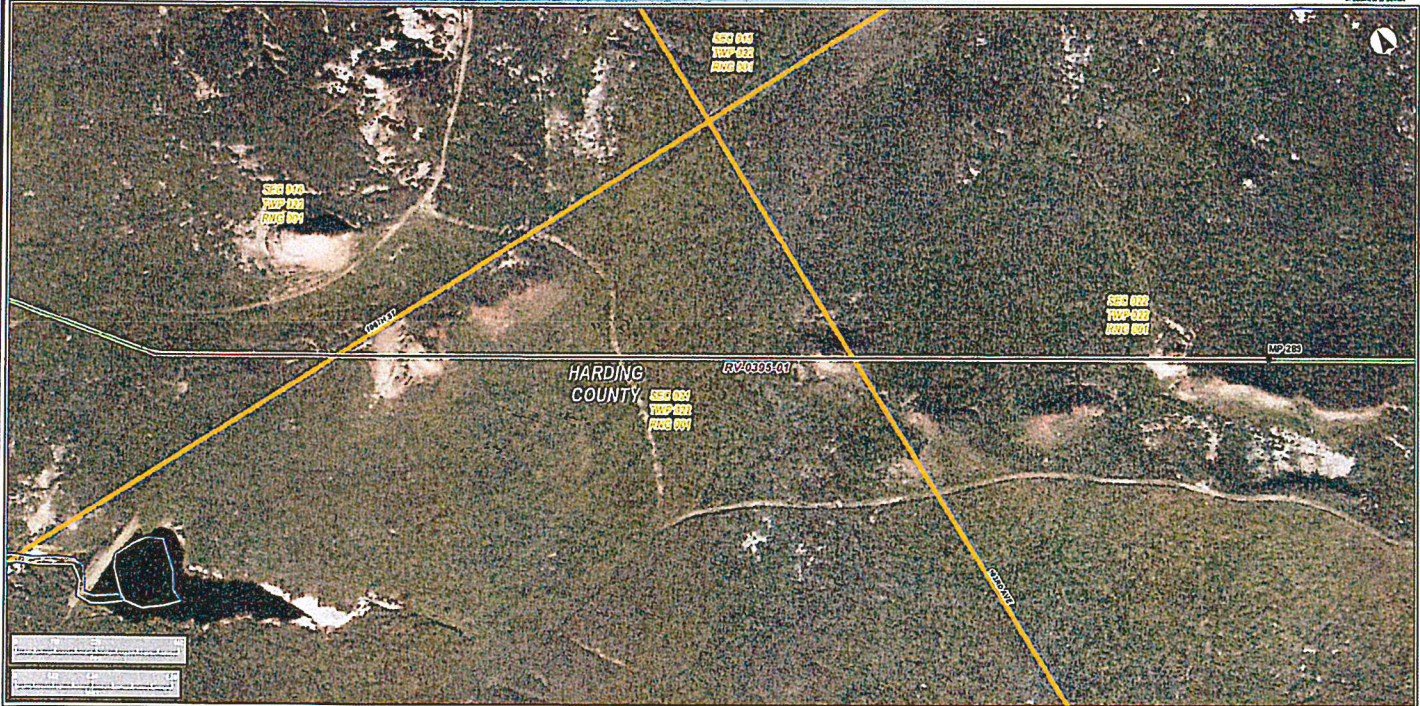


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KEYSTONE XL PROJECT



KEYSTONE 0470



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-08-15

**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0395-01

COUNTY: HAWES	DRAWN BY: GJ
STATE: S.D.	CHECKED BY: PJ
REV. NO.: 1	DATE: 2/14/14
REV. DESCRIPTION: 03-01 TOP FEEL	
PRELIMINARY	

DATE: 2/14/14	PROJECT: HAWES	NO. 03-01	SHEET: 1
---------------	----------------	-----------	----------

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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0413-01 (2014 NAIP IMAGERY)

TransCanada
24 hours to the rescue



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-03-14
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0413-01

COUNTY:	HARDING	DRAWN BY:	SL
STATE:	SOUTH DAKOTA	CHECKED BY:	PD
REV. NO.:	REVISION	DATE:	
1	CL-03 FOR REVIEW	2014-01-14	
PRELIMINARY			
DATE:	2014-01-14	PROJECT:	140511/0014
DWG:	140511/0014-01	SHEET:	1 OF 1

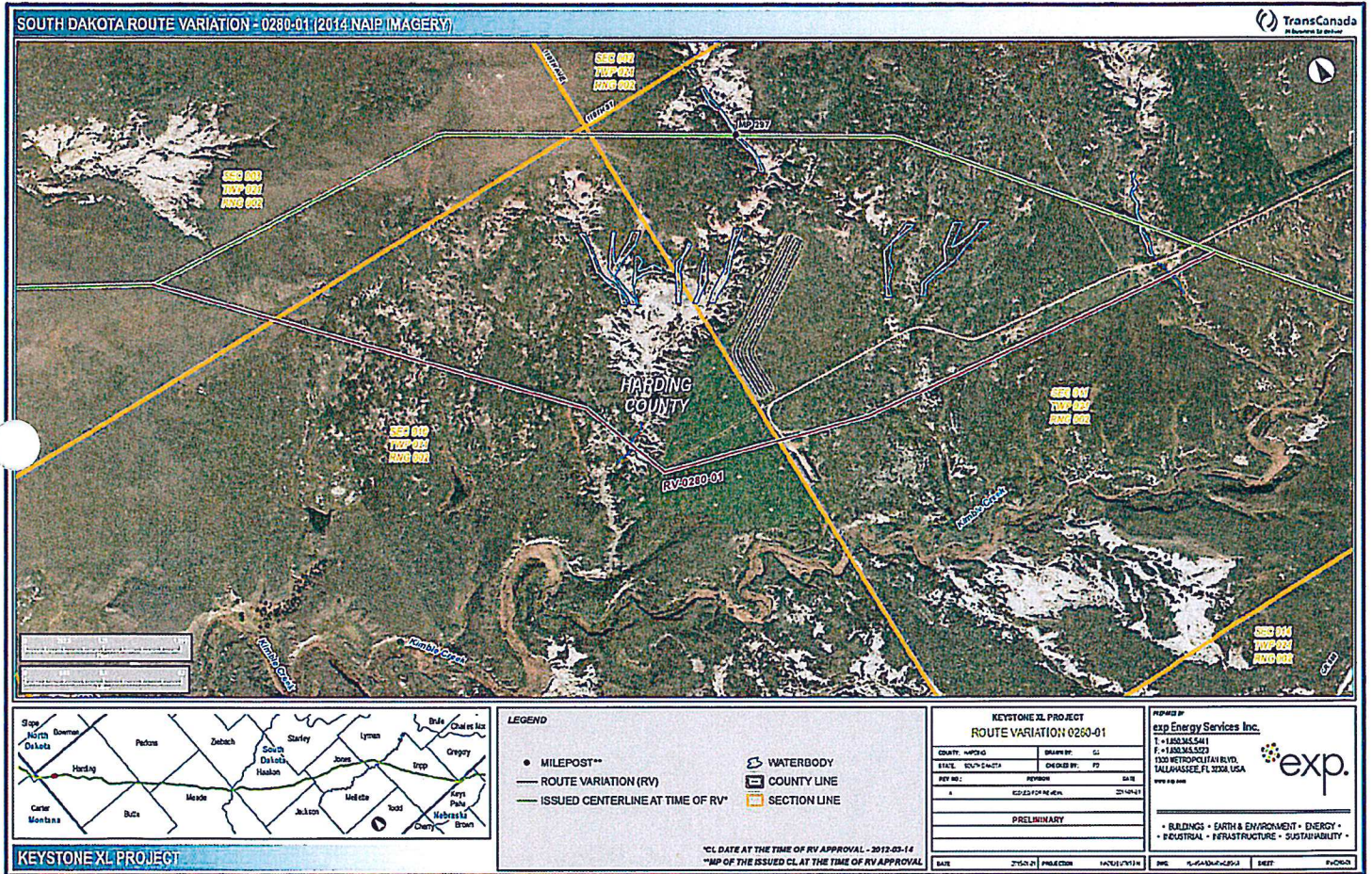
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F: +1 850.383.5623
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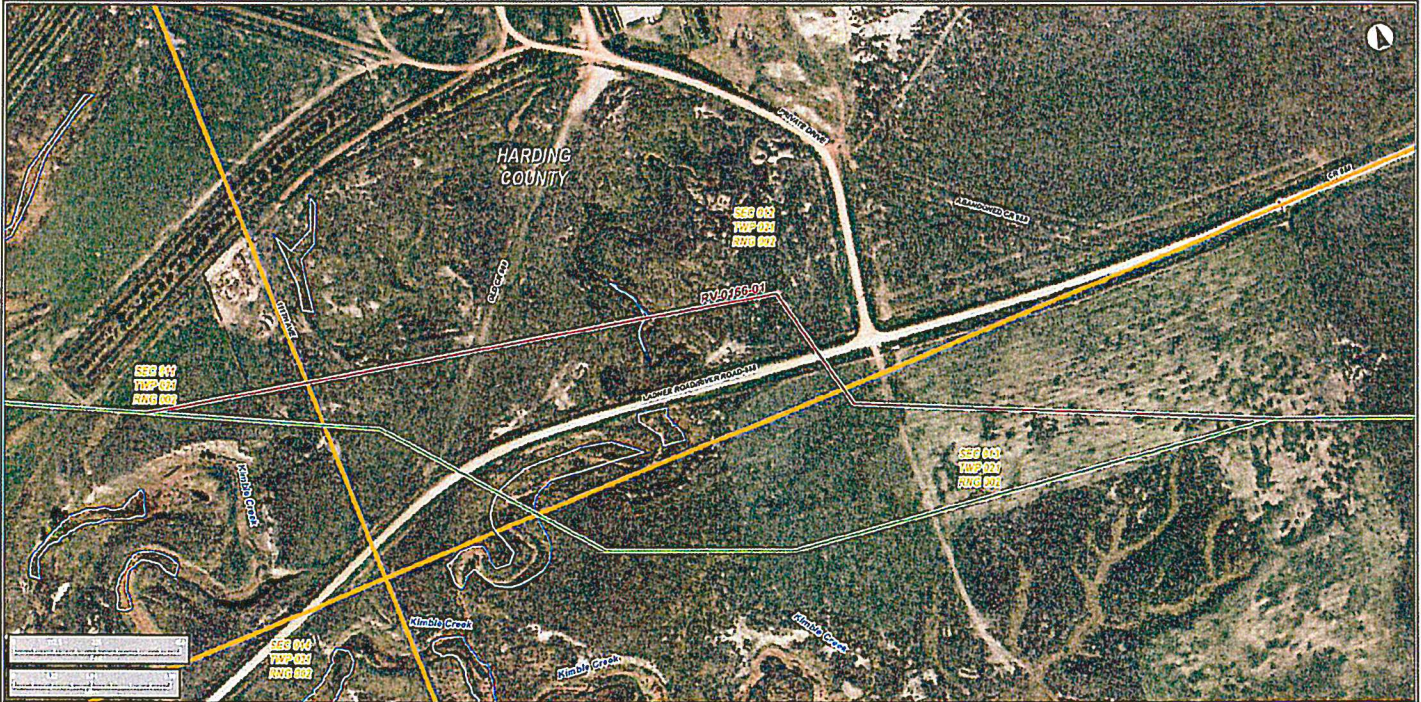
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KEYSTONE XL PROJECT

KEYSTONE 0473



KEYSTONE 0474



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-03-30
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0166-01

COUNTY:	HARDING	DRAWN BY:	SL
STATE:	SOUTH DAKOTA	CHECKED BY:	PT
REV. NO.:	REVISION	DATE	04-18
1	ISSUED FOR ACQUISITION	2014-04-18	
PRELIMINARY			

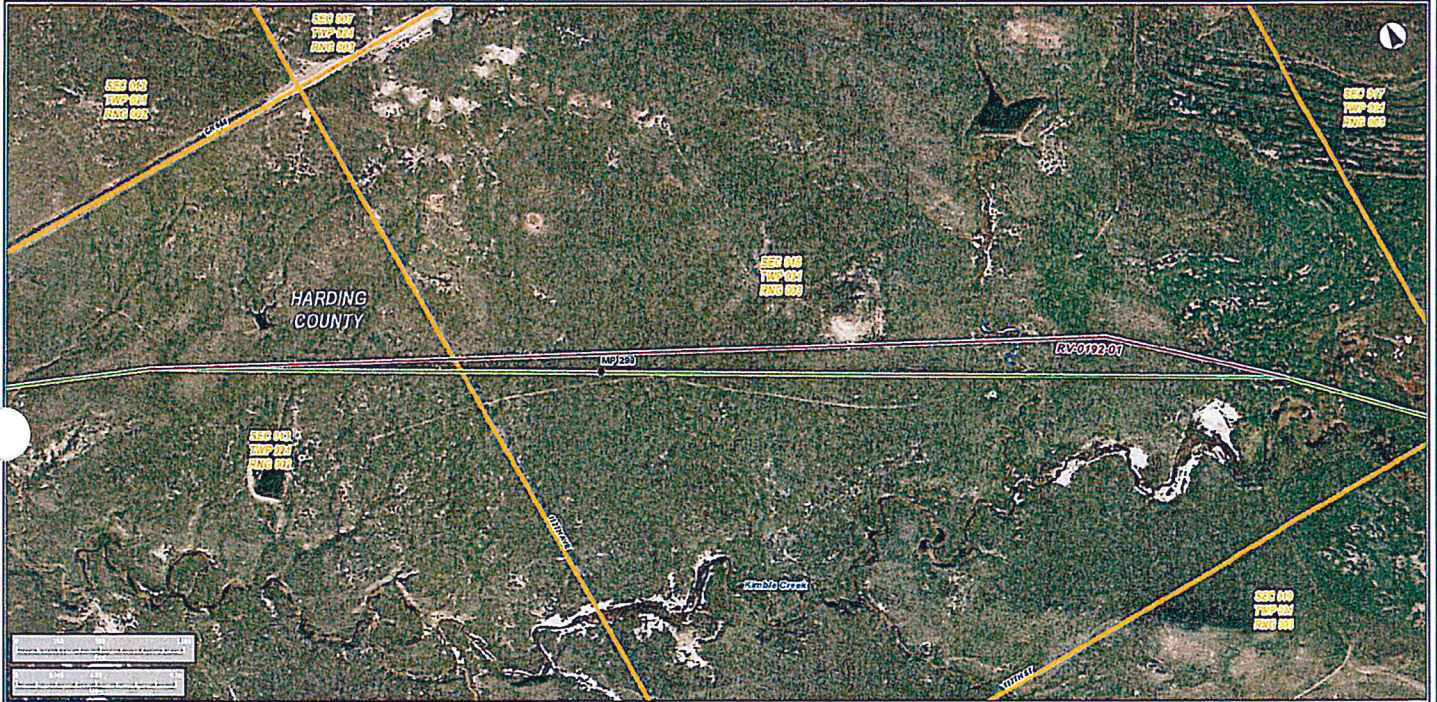
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P: +1 888 363 5523
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SOUTH DAKOTA ROUTE VARIATION - 0192-01 (2014 NAIP IMAGERY)

TransCanada
an Enbridge company



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-11-18
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0192-01

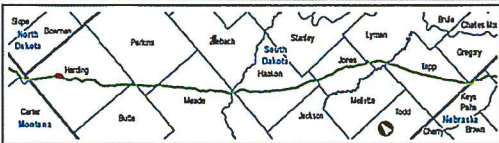
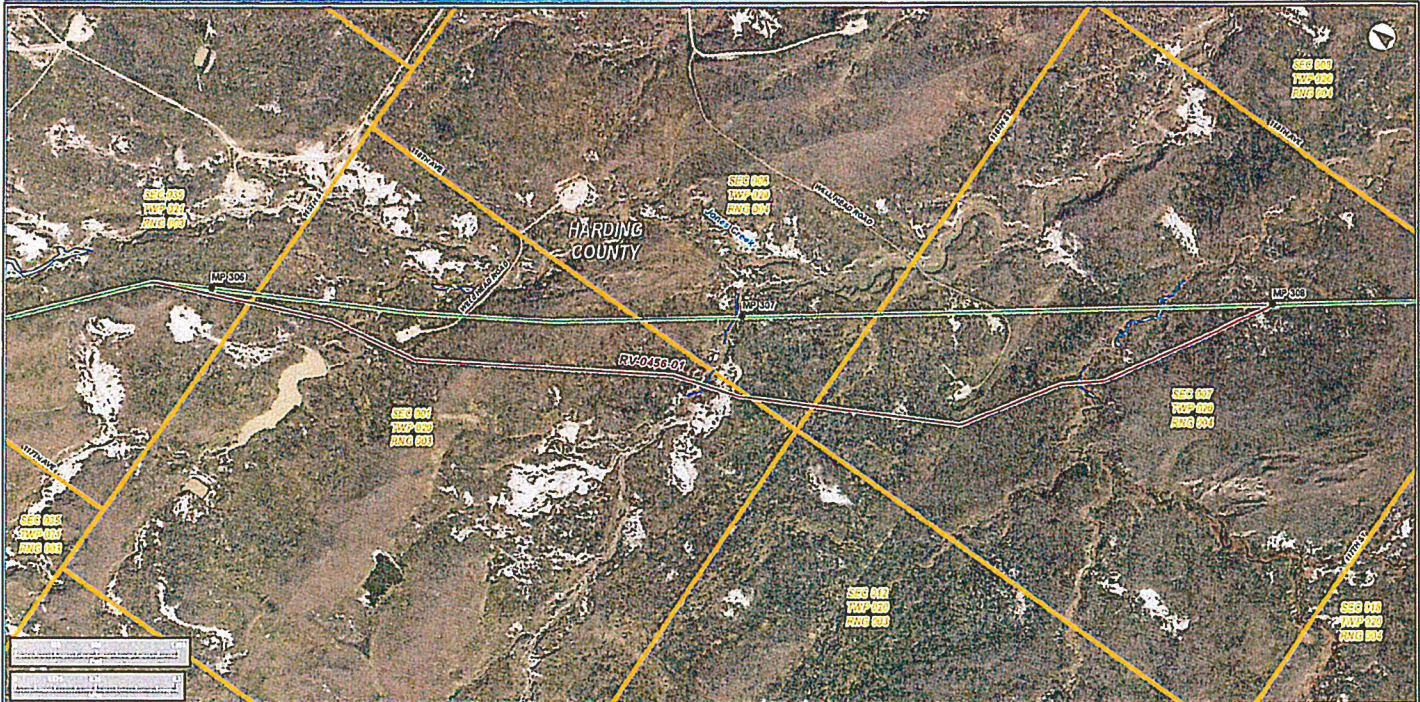
COUNTY: HARTS	DRAWN BY: CJ
SHEET: 001/01	CHECKED BY: PJ
REV NO:	REVISION
1	ISSUED FOR REVIEW
DATE: 2/15/12	PROJECT NO: 14011/12
PRELIMINARY	

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KEYSTONE XL PROJECT



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11

**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0456-01

COUNTY: HAWKES	DRAWN BY: GJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO: 1	DATE: 2014-04-11
A	CLL'S FOR REVIEW
PRELIMINARY	

DATE: 2014-04-11 PROJECT: ROUTE VARIATION 0456-01 SHEET: 1 OF 1

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TALLAHASSEE, FL 32301, USA

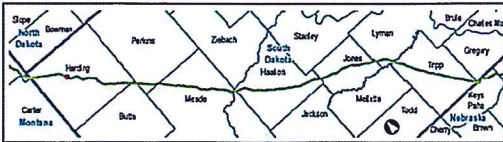
REV: 0456-01



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SOUTH DAKOTA ROUTE VARIATION - 0269-01 (2014 NAIP IMAGERY)

TransCanada
of business to deliver



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2012-03-14
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0269-01

COUNTY: HARDING	DRAWN BY: SL
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO: 1	DATE: 04/18
BY: [Signature]	DATE: 04/18/14
PROJECT: ROUTE VARIATION	DATE: 04/18/14
PRELIMINARY	

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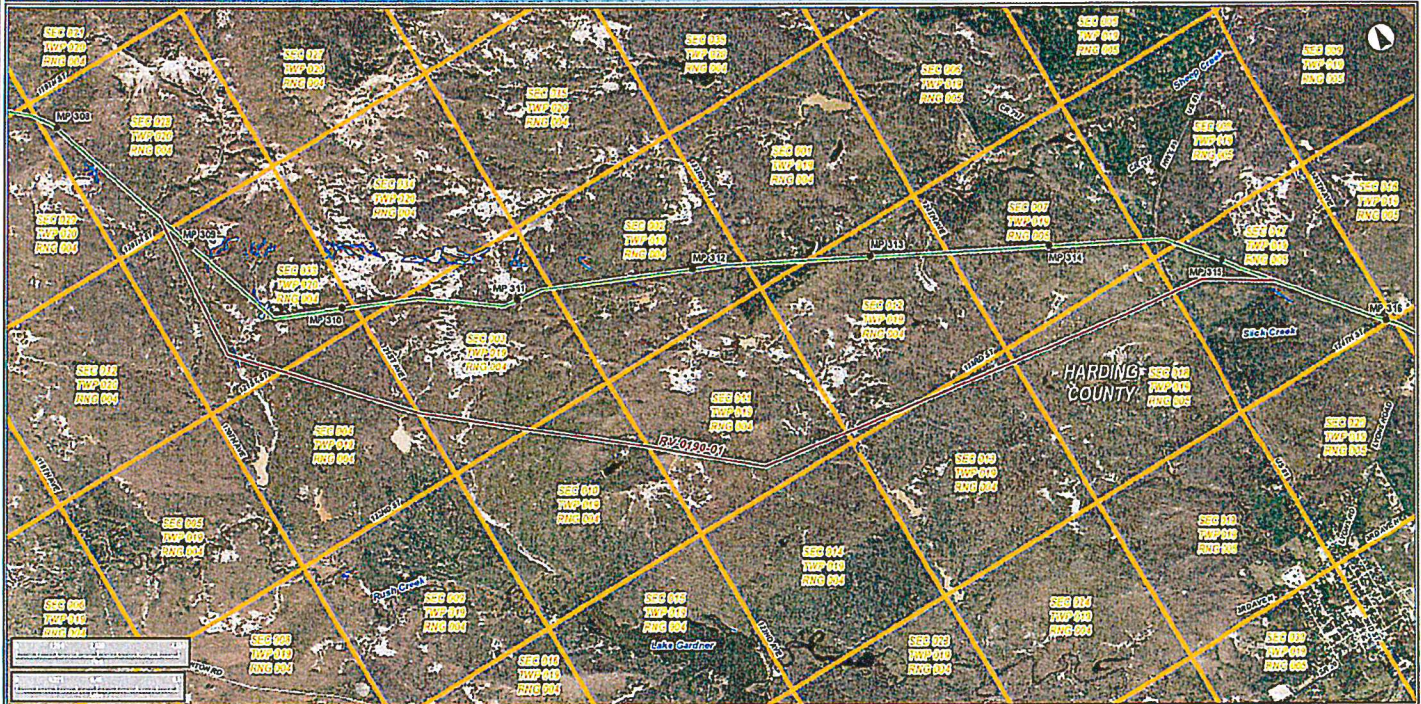


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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0190-01 (2014 NAIP IMAGERY)

TransCanada
BY LICENSE TO RAILROAD



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-03-28
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

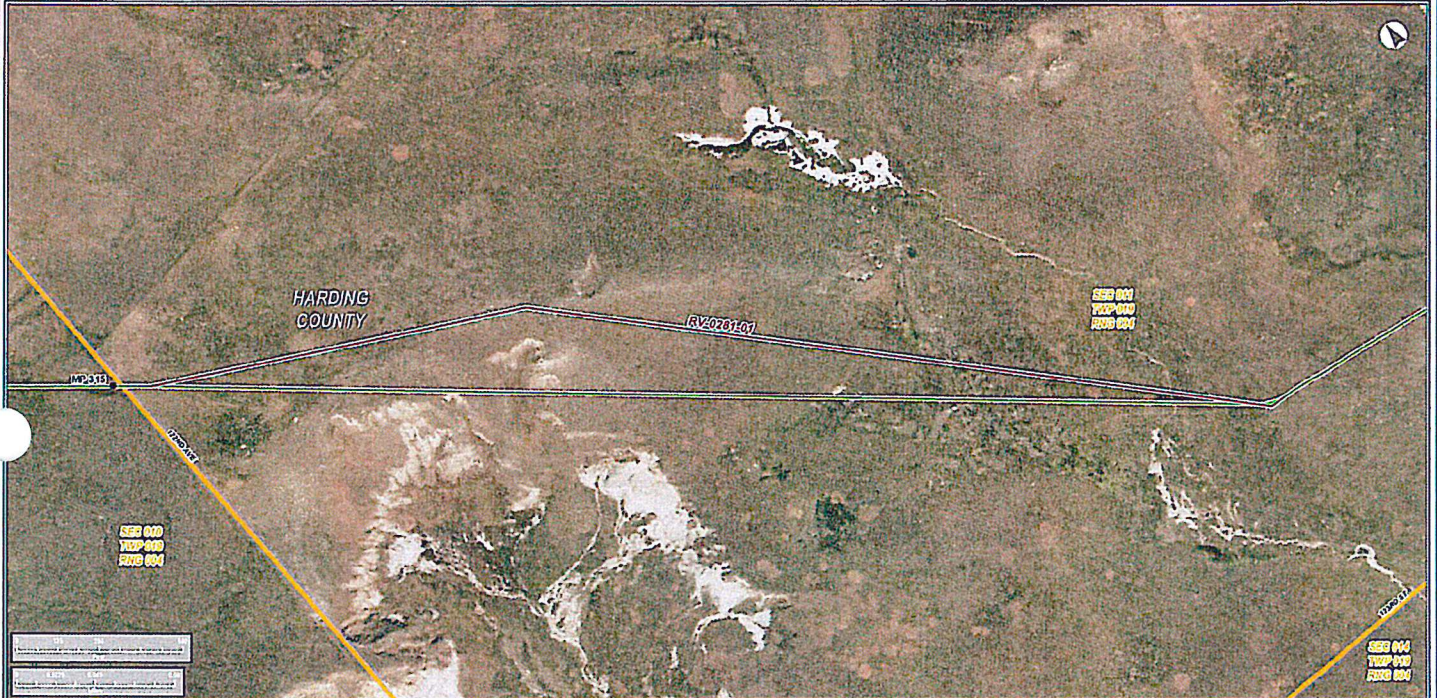
KEYSTONE XL PROJECT ROUTE VARIATION 0190-01			
DATE: 04/02/2014	DRAWN BY: 52	DATE: 04/02/2014	DRAWN BY: 52
STATE: SOUTH DAKOTA	CHECKED BY: 17	DATE: 04/02/2014	DRAWN BY: 52
REV NO: 1	ISSUED FOR: 0190-01	DATE: 04/02/2014	DRAWN BY: 52
PRELIMINARY			
DATE: 04/02/2014	PROJECT: 0190-01	DATE: 04/02/2014	PROJECT: 0190-01

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SOUTH DAKOTA ROUTE VARIATION - 0281-01 (2014 NAIP IMAGERY)



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

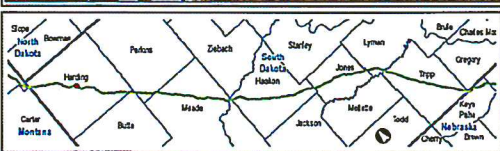
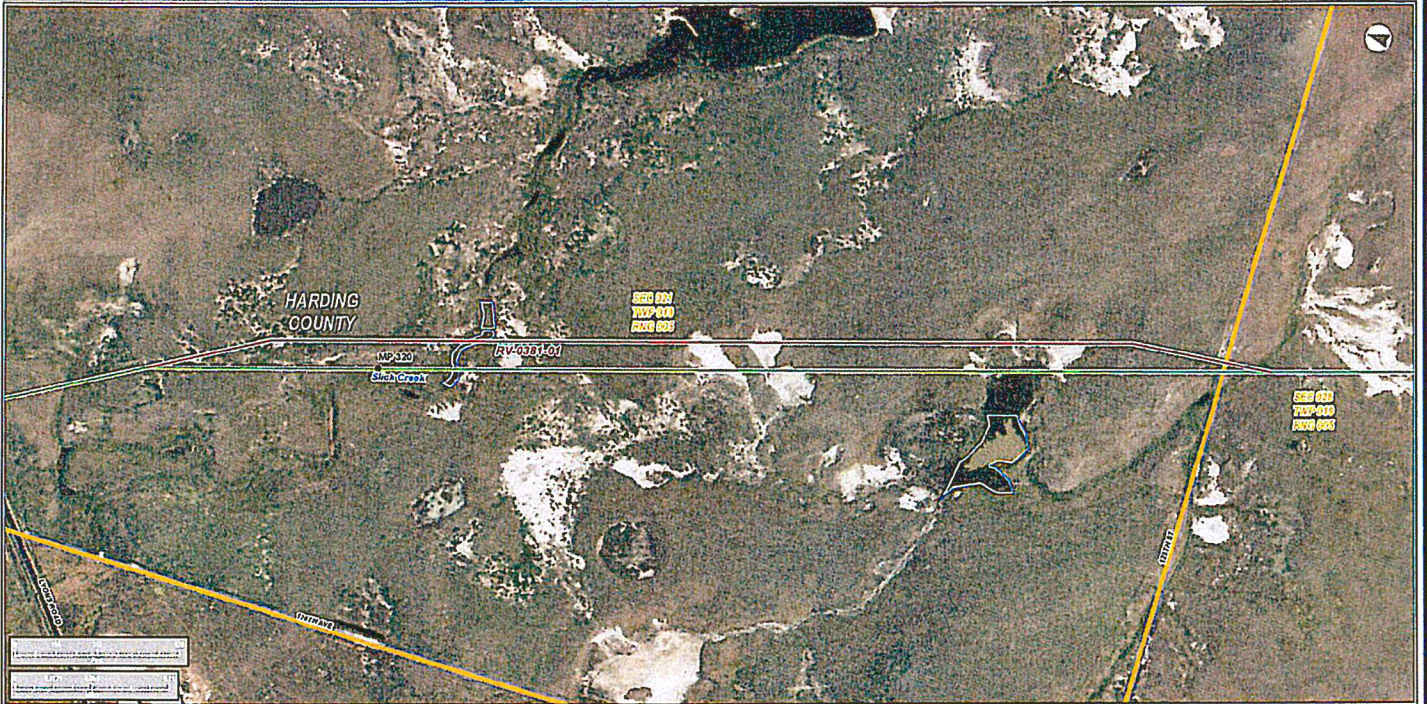
*CL DATE AT THE TIME OF RV APPROVAL - 2012-03-14
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT ROUTE VARIATION 0281-01			
COUNTY: HAWKS	DRAWN BY: SJ	DATE: 2012-03-14	CHECKED BY: PJ
REV NO: 1	REVISED FOR: 1	DATE: 2012-03-14	
PRELIMINARY			
DATE: 2012-03-14	PROJECT: KEYS	SCALE: 1"=1/4"	SHEET: 1 OF 1

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KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 3013-08-18
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

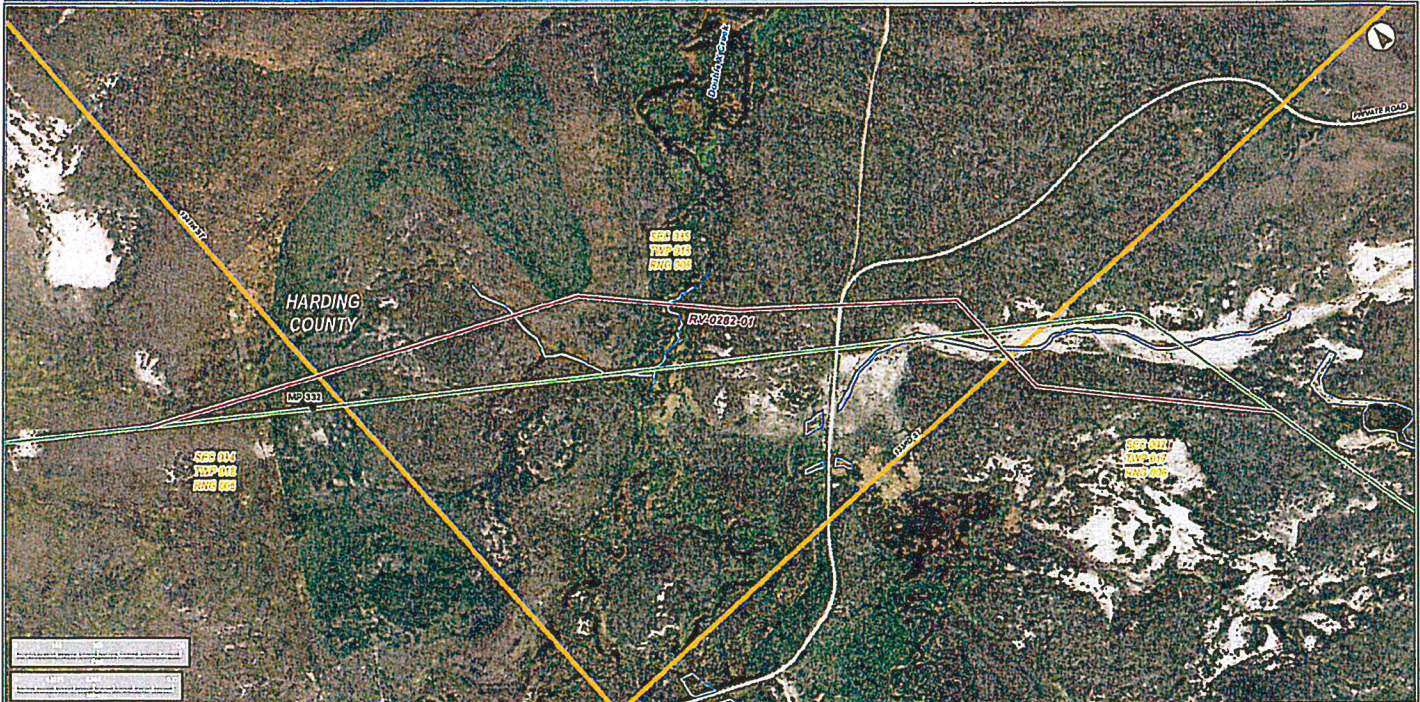
KEYSTONE XL PROJECT
ROUTE VARIATION 0381-01

COUNTY: HAWKS	SHEET NO: 52
STATE: S.D. 57-01-01	CHECKED BY: JF
REV NO: 1	DATE: 2014-01-21
DATE: 2014-01-21	PROJECT: HAWKS XL
PRELIMINARY	
DATE: 2014-01-21	PROJECT: HAWKS XL

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KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-03-14
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0282-01

COUNTY:	HARDING	SHEET NO.:	12
STATE:	SOUTH DAKOTA	ORDERED BY:	PT
REV. NO.:	REVISED	DATE:	2014-01-21
A	ICE & POP PEACH		
PRELIMINARY			

DATE: 2/20/14 PROJECT: 14011/013-14 SHEET: 14011/013-14

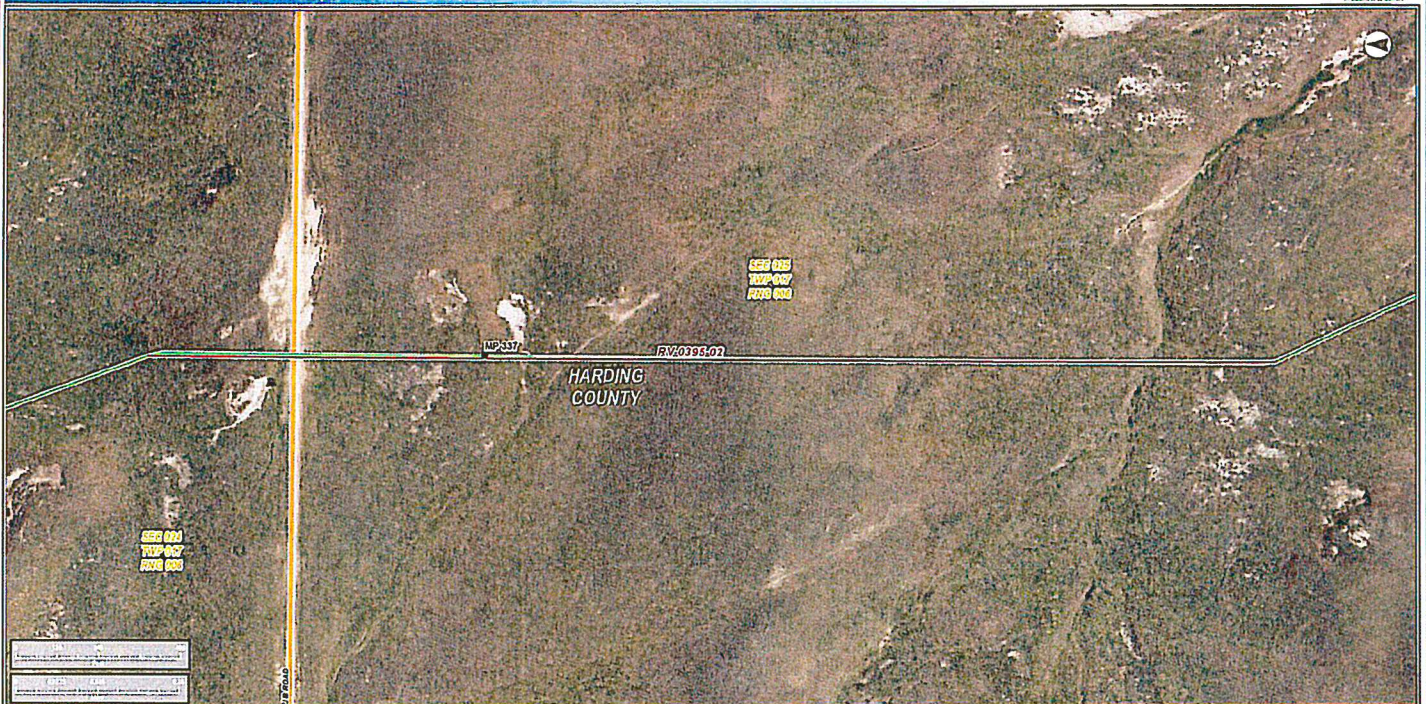
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KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2011-08-18
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0395-02

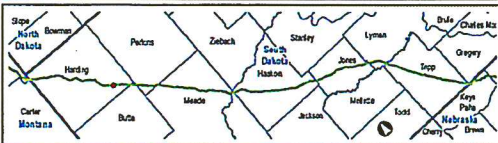
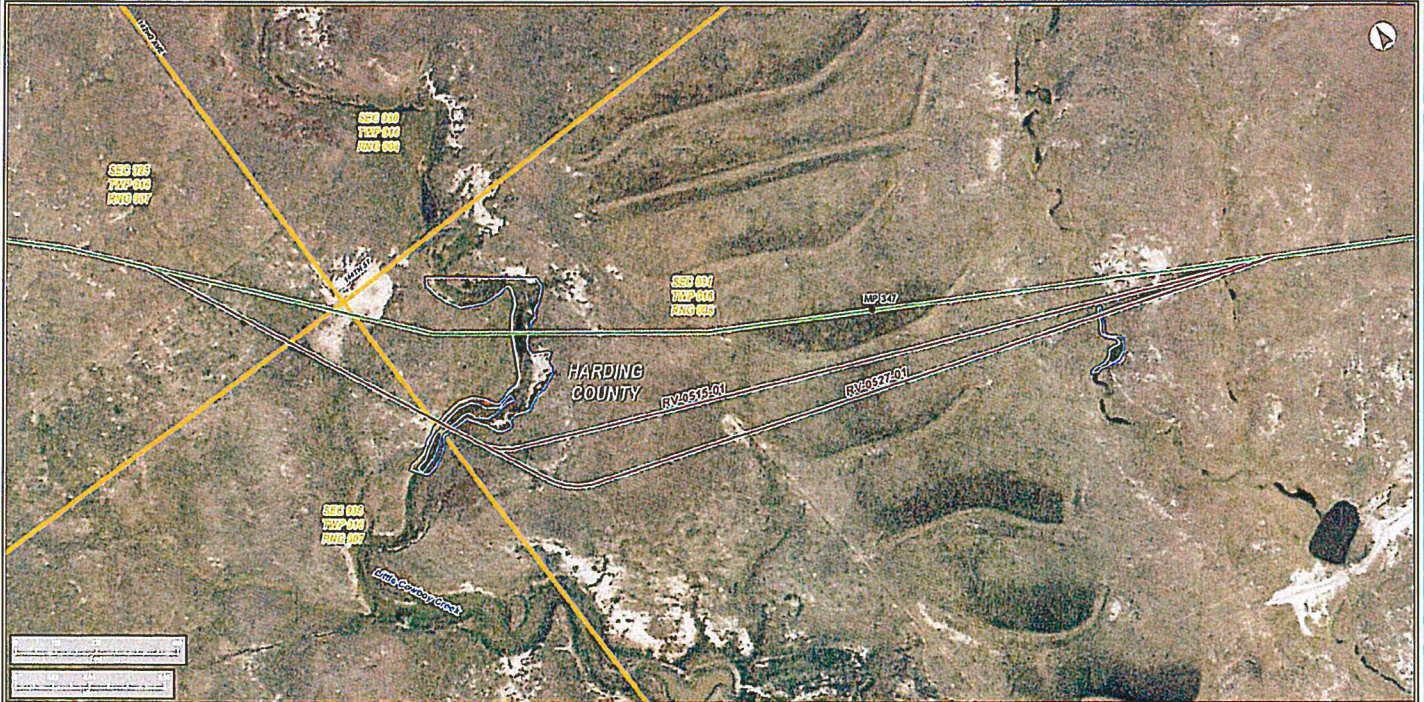
DATE: 04/20/11	DESIGNED BY: JG
STATE: SOUTH DAKOTA	CHECKED BY: JG
REV: 001	DATE: 04/20/11
BY: JG	FOR: 0395-02
PRELIMINARY	

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KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT			
ROUTE VARIATION 0515-01			
COUNTY: SOUTH DAKOTA	SECTION: 01	DATE: 05/15/2014	BY: JF
REV. NO.: 1	REVISION: 01	DATE: 05/15/2014	BY: JF
PRELIMINARY			
DATE: 05/15/2014	PROJECT: KEYSTONE XL	SHEET: 01	PAGE: 01

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SOUTH DAKOTA ROUTE VARIATION - 0527-01 (2014 NAIP IMAGERY)

TransCanada
A member of Enbridge



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0527-01

DATE:	2/15/2011	DESIGNED BY:	CS
STATE:	SOUTH DAKOTA	DRAWN BY:	PS
REV. NO.:	1	REVISION:	DATE
0	ISSUED FOR REVIEW	2/15/2011	
PRELIMINARY			
DATE:	2/15/2011	PROJECT NO.:	14741-0111

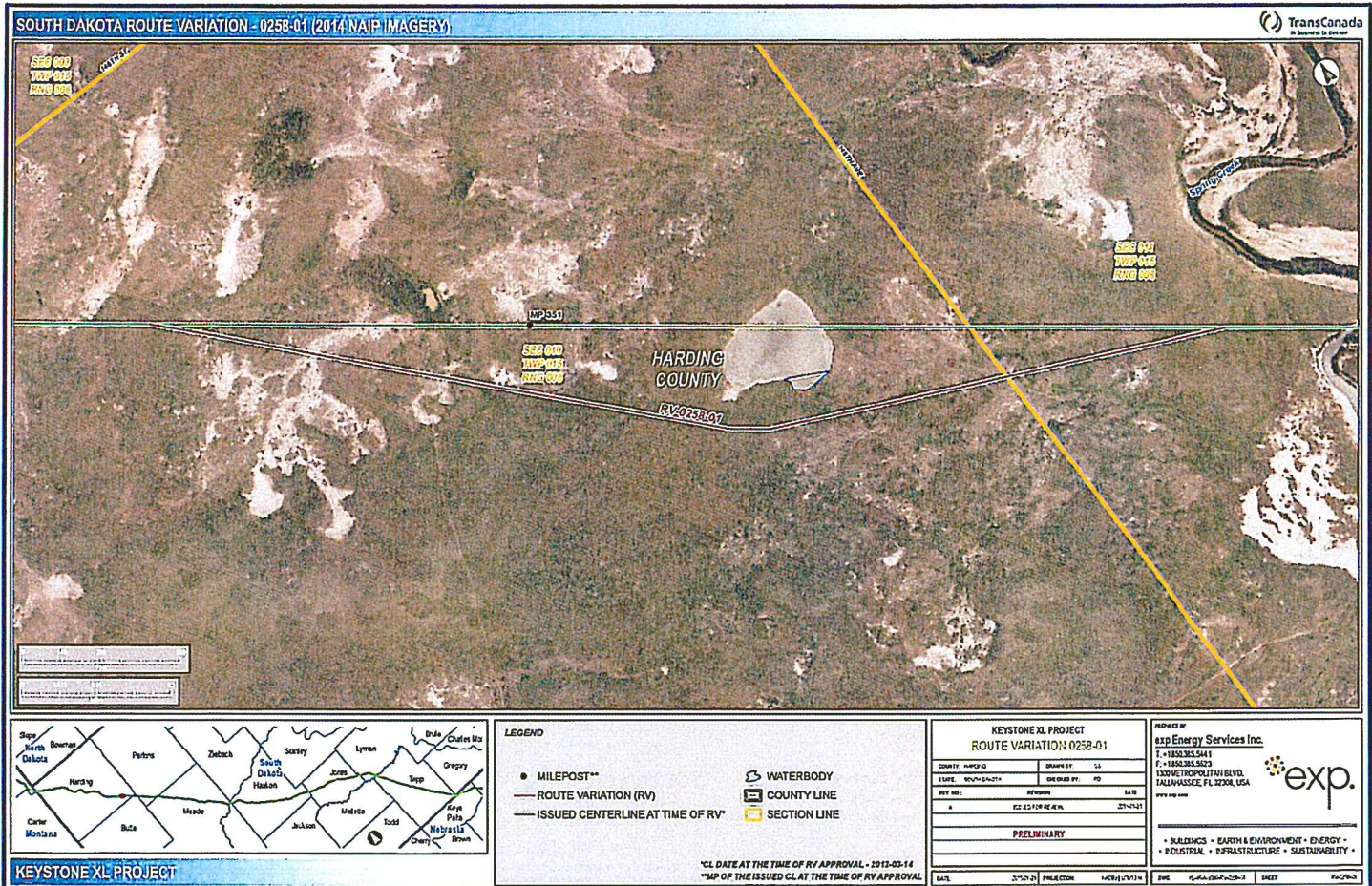
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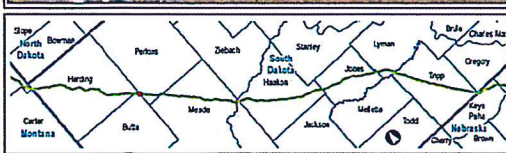
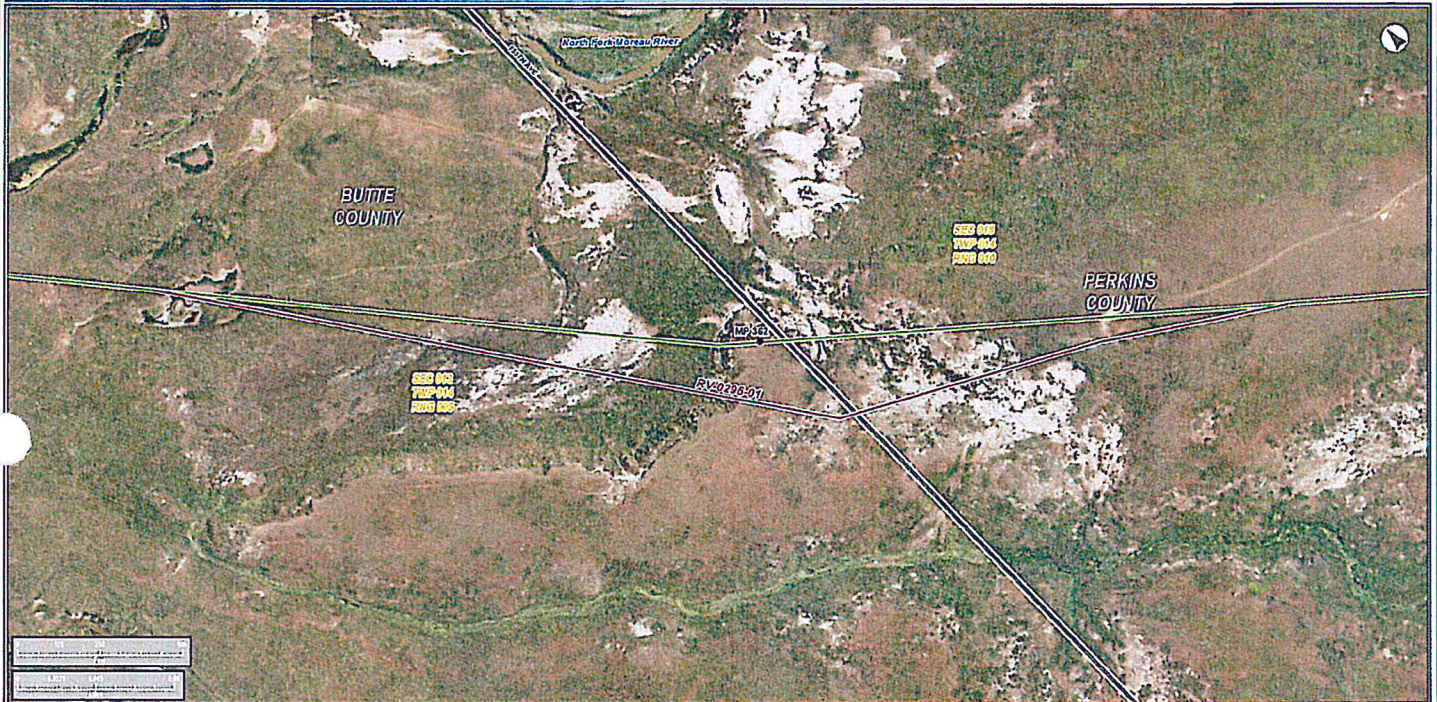
DWG: 14741-0111-01 SHEET: 1 OF 1

KEYSTONE XL PROJECT



SOUTH DAKOTA ROUTE VARIATION - 0296-01 (2014 NAIP IMAGERY)

TransCanada
Infrastructure Solutions



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2012-03-14
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0296-01

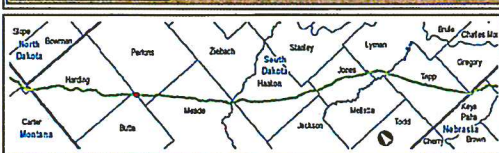
COUNTY: BUTTE PERKINS	DESIGNED BY: SA
DATE: 2012-03-14	CHECKED BY: PT
REV NO: 1	REVISION: DATE
1	ISSUED FOR REVIEW 2012-03-14
PRELIMINARY	
DATE: 2012-03-14	PROJECT: 140714-1713-N

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DATE: 2012-03-14 PROJECT: 140714-1713-N SHEET: 1 OF 1



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

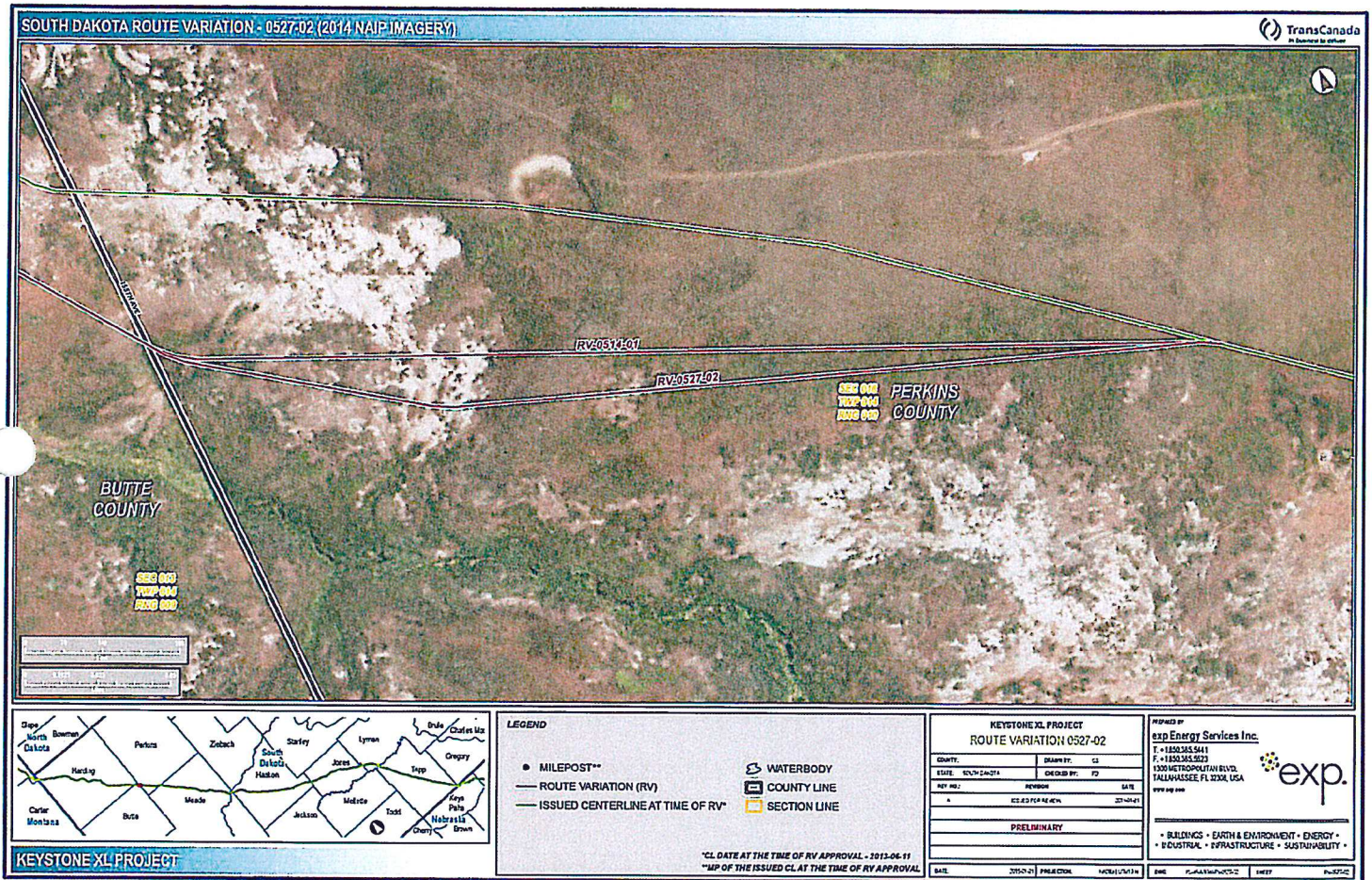
*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

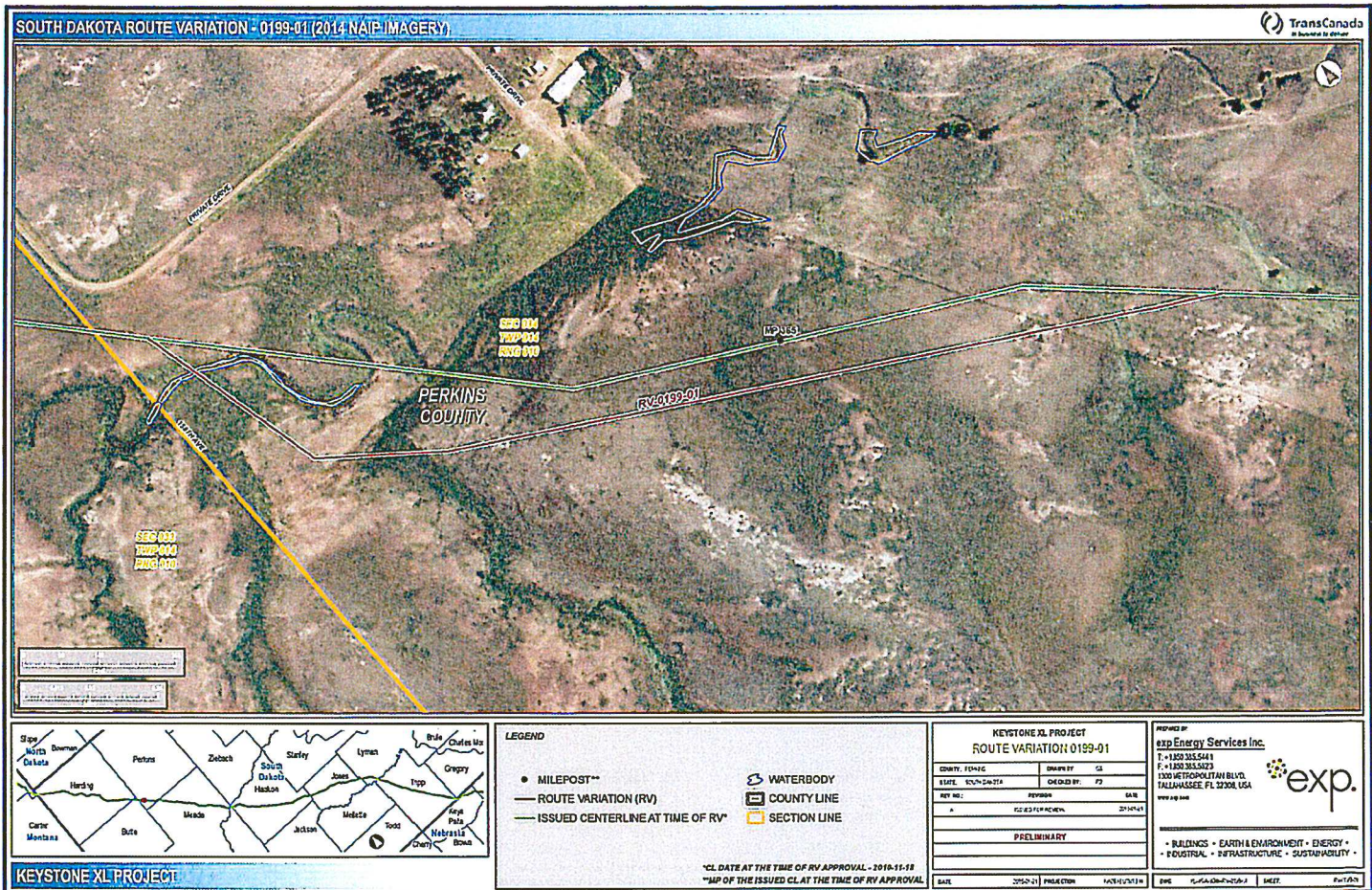
KEYSTONE XL PROJECT ROUTE VARIATION 0514-01			
COUNTY: HAWKES	BRIDGE NO.: 14	DATE: 05/14/2014	DESIGNED BY: JF
REV: 01	REVISION	DATE	
1	CEC REVIEW	2014-01-11	
PRELIMINARY			
DATE: 2/10/2014	PROJECT NO: 1400-1-01	SHEET: 1400-1-01	1400-1-01

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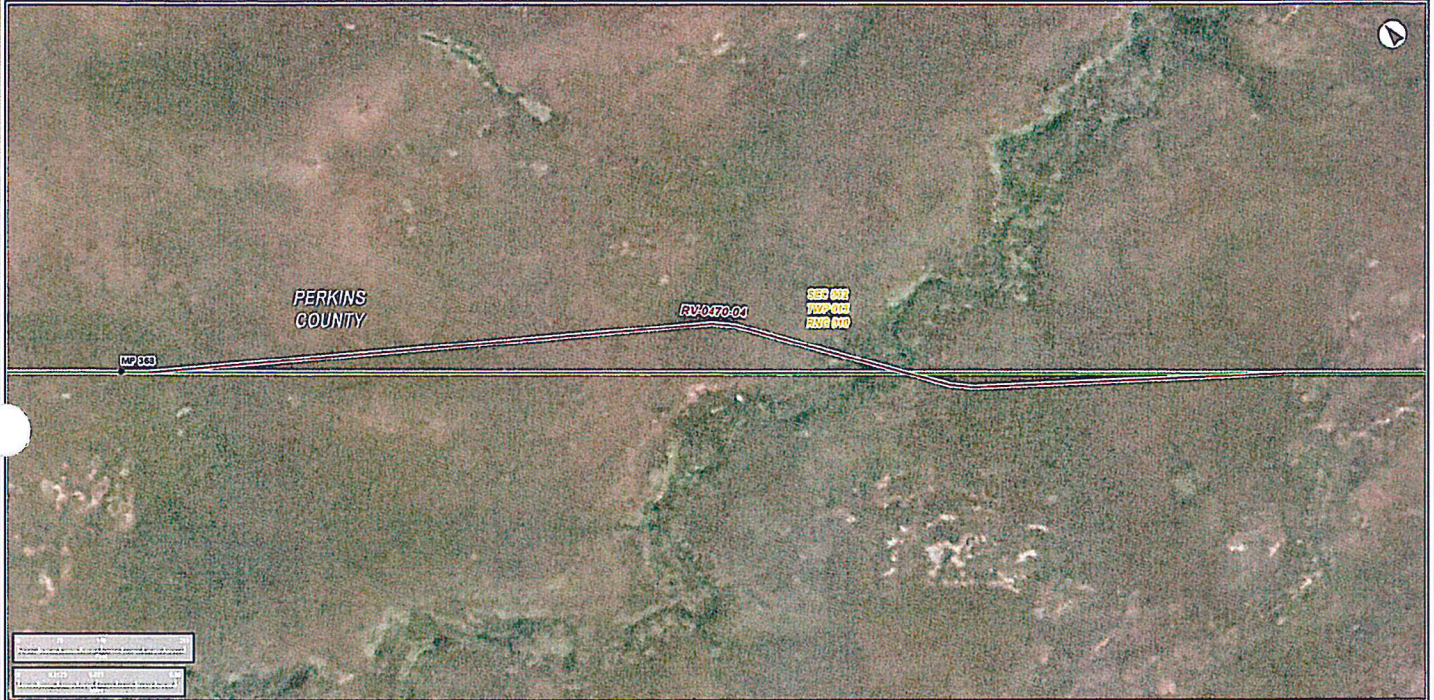
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KEYSTONE 0495

SOUTH DAKOTA ROUTE VARIATION - 0470-04 (2014 NAIP IMAGERY)



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0470-04

COUNTY: PERKINS	DRAWN BY: GJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO: 1	DATE: 06/11/2013
PRELIMINARY	
DATE: 06/11/2013	PROJECT: 0470-04

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KEYSTONE XL PROJECT



LEGEND

● MILEPOST**

— ROUTE VARIATION (RV)

— ISSUED CENTERLINE AT TIME OF RV*

WATERBODY

COUNTY LINE

SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11

**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0470-05

COUNTY: TOWNSHIP:	DRAWN BY: SS
STATE: 15N-24W-24N-24E	CHECKED BY: PP
REV NO:	REVISION
A	CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
PRELIMINARY	
DATE:	2013-06-11
PROJECTOR:	PROJECTOR
DWG:	DWG
SHEET:	SHEET

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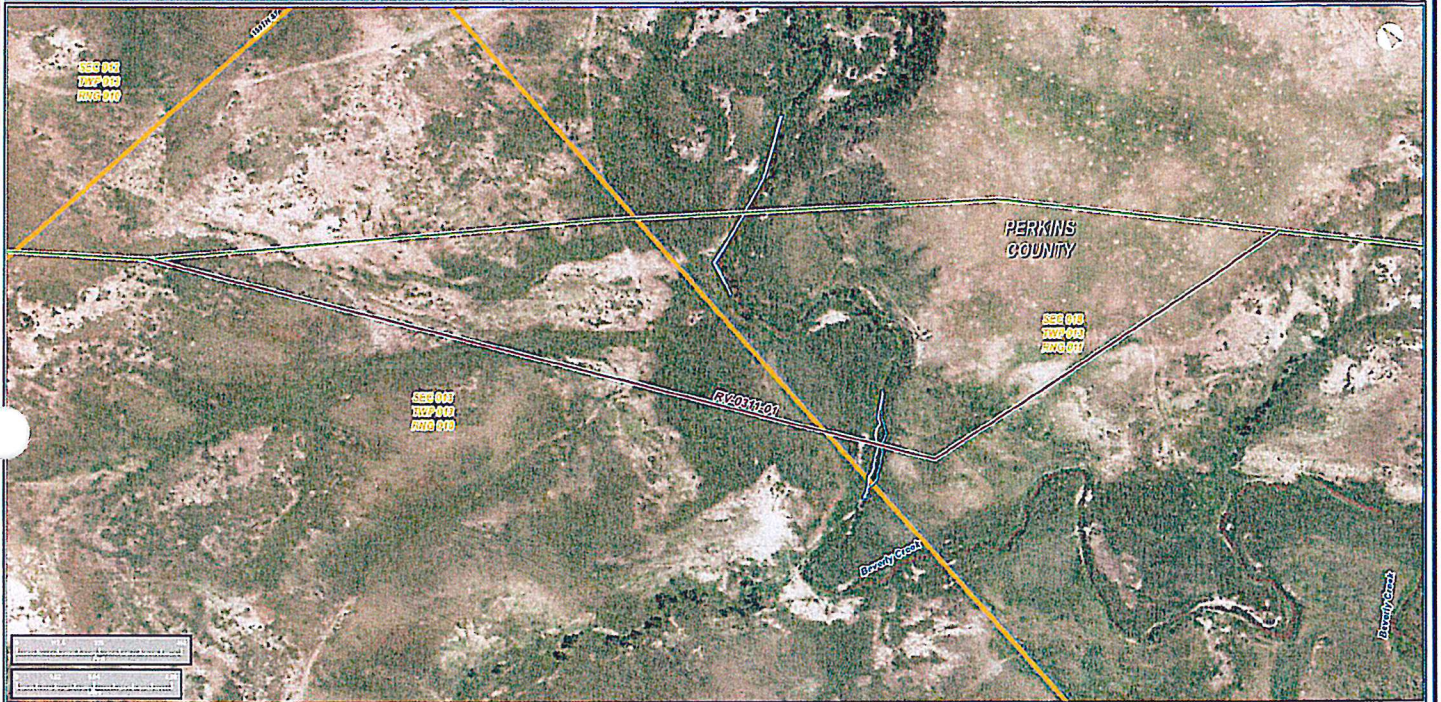
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F: +1 282 365 5000
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SOUTH DAKOTA ROUTE VARIATION - 0311-01 (2014 NAIP IMAGERY)

TransCanada
IN BUSINESS TOGETHER



LEGEND

- MILEPOST
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2012-07-13
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0311-01

COUNTY: FORD	DRAWN BY: SJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO: 1	DATE: 07/14/11
DESCRIPTION: ROUTE VARIATION	
PRELIMINARY	
DATE: 7/15/11	PROJECT: MOBILE/STATION
SHEET: 1	SHEET: 1

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KEYSTONE XL PROJECT



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013.03.14
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0257-01

COUNTY: PERKINS	DRAWN BY: CL
STATE: SOUTH DAKOTA	CHECKED BY: PD
KEY NO: 0257-01	REVISION: 0257-01
DATE: 2/15/2013	PROJECT: KEYS/0499
DATE: 2/15/2013	PROJECT: KEYS/0499
DATE: 2/15/2013	PROJECT: KEYS/0499

PRELIMINARY

PREPARED BY
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 F: 1-800-365-5412
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LEGEND

● MILEPOST**

— ROUTE VARIATION (RV)

— ISSUED CENTERLINE AT TIME OF RV*

WATERBODY

COUNTY LINE

SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11

**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0470-10

COUNTY:	PERKINS	DRAWN BY:	CS
STATE:	SOUTH DAKOTA	CHECKED BY:	PS
REV NO:	000000	DATE:	
A	ISSUED FOR REVIEW	2014-01-11	
PRELIMINARY			

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SOUTH DAKOTA ROUTE VARIATION - 0199-02 (2014 NAIP IMAGERY)



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2016-11-18
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0199-02

COUNTY: MEADE	DRAWN BY: GJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV: 001	DATE: 01/11/17
PROJECT: PRELIMINARY	
DATE: 2/15/21 PROJECT: 1/16/17/1/17/18	
SHEET: 15-00000000-2	

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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0491-01 (2014 NAIP IMAGERY)



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

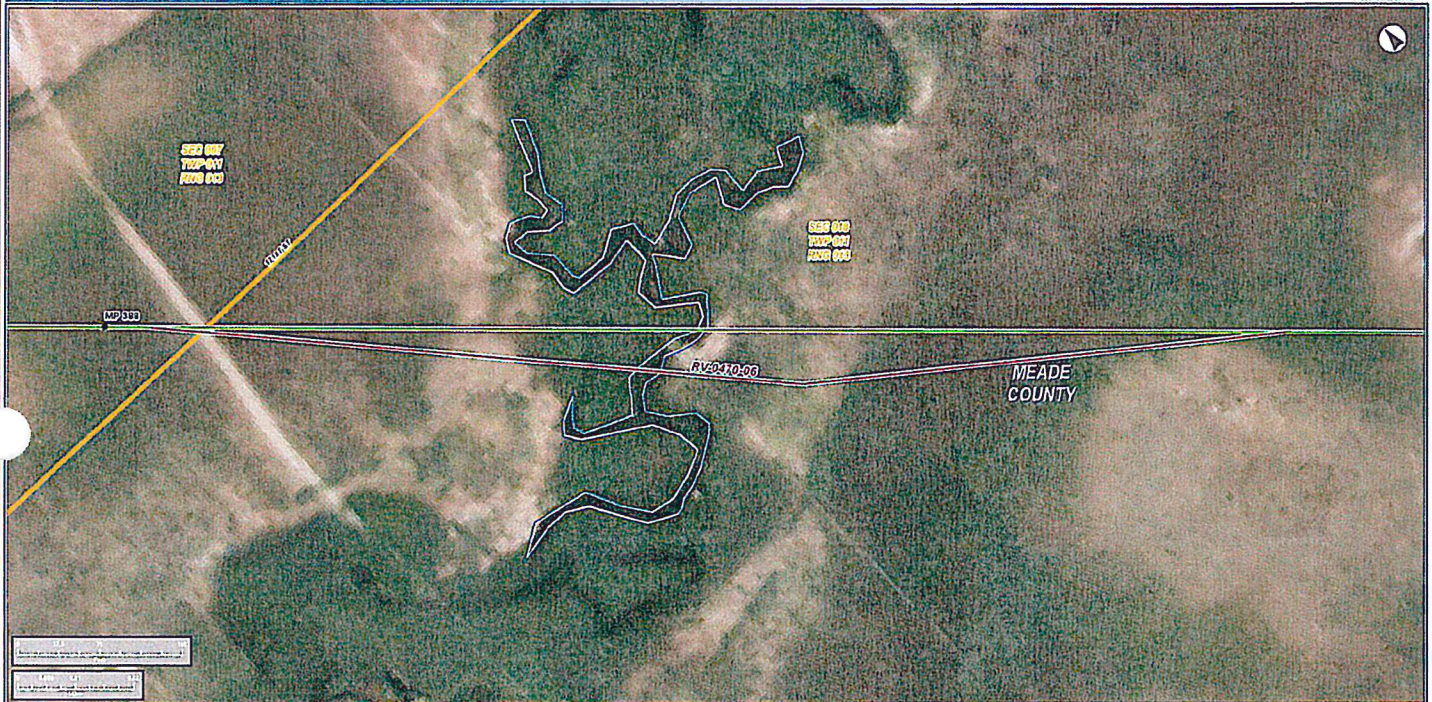
*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT ROUTE VARIATION 0491-01			
COUNTY: MEADE	DRAWN BY: SJ		
STATE: SOUTH DAKOTA	CHECKED BY: JP		
REV NO: A	REVISION: 02/14/11		
PRELIMINARY			
DATE: 2/12/11	PROJECT: 14241/01/11		

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7.14241/01/11	
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SOUTH DAKOTA ROUTE VARIATION - 0470-06 (2014 NAIP IMAGERY)

TransCanada
Infrastructure Solutions



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-04-11
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0470-09

COUNTY: MEADE DRAWN BY: SL
STATE: SOUTH DAKOTA CHECKED BY: JT

REV NO.: REVISION DATE

1 02/23/2014 REVIEW 2014-04-11

PRELIMINARY

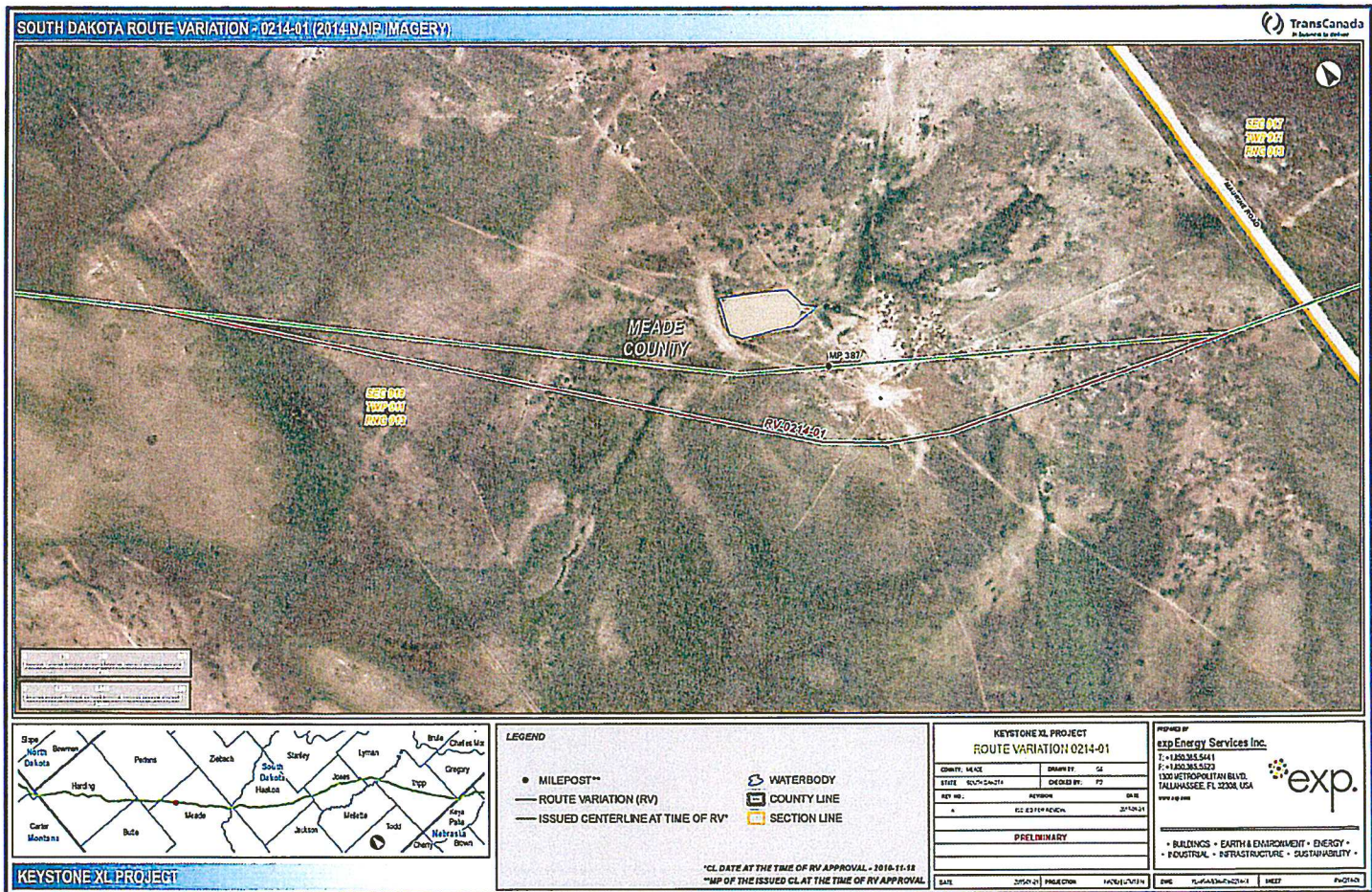
DATE: 2/25/2014 PROJECT: 14071107110 SHEET: 05/05/06

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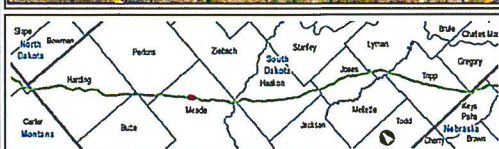
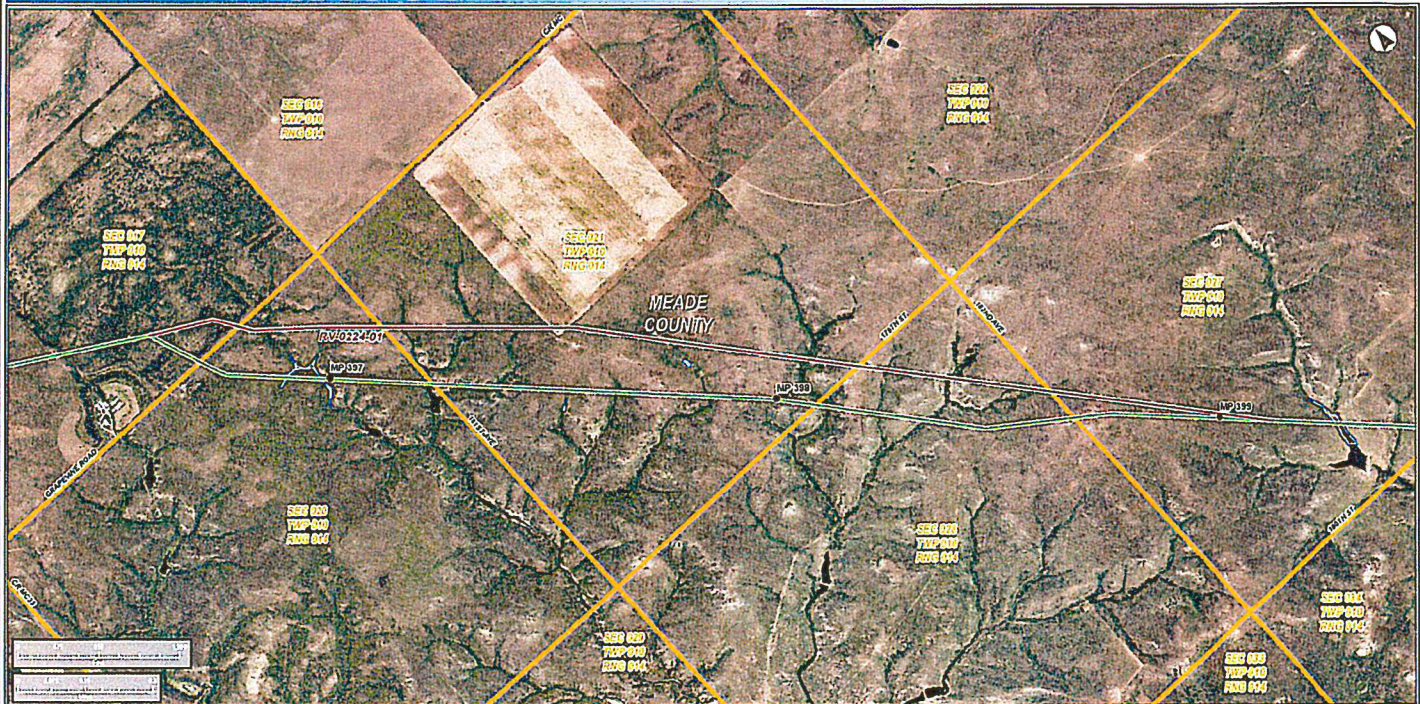
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KEYSTONE XL PROJECT



KEYSTONE 0505

SOUTH DAKOTA ROUTE VARIATION - 0224-01 (2014 NAIP IMAGERY)



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2018-11-18
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT			
ROUTE VARIATION 0224-01			
COUNTY: MEADE	DRAWN BY: J2	DATE: 2014-11-18	REVISION: 1
STATE: SOUTH DAKOTA	CHECKED BY: J2	DATE: 2014-11-18	REVISION: 1
APP. NO.:	DESIGNER: J2	DATE: 2014-11-18	REVISION: 1
PRELIMINARY			
DATE: 2014-11-18	PROJECT: MEADE COUNTY	SHEET: 1	PAGE: 1

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SOUTH DAKOTA ROUTE VARIATION - 0270-01 (2014 NAIP IMAGERY)

TransCanada
In business to deliver



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-03-14
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0270-01

COUNTY: MEADE	DRAWN BY: CJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO: 1	REV DATE: 2014-04-14

PRELIMINARY

DATE: 2/15/2017	PROJECT: KEYSX01	SHEET: 15-000000000000	PROJECT: 0270-01
-----------------	------------------	------------------------	------------------

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KEYSTONE XL PROJECT



LEGEND

- MILEPOST**

— ROUTE VARIATION (RV)

— ISSUED CENTERLINE AT TIME OF RV*



WATERBODY



COUNTY LINE



SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

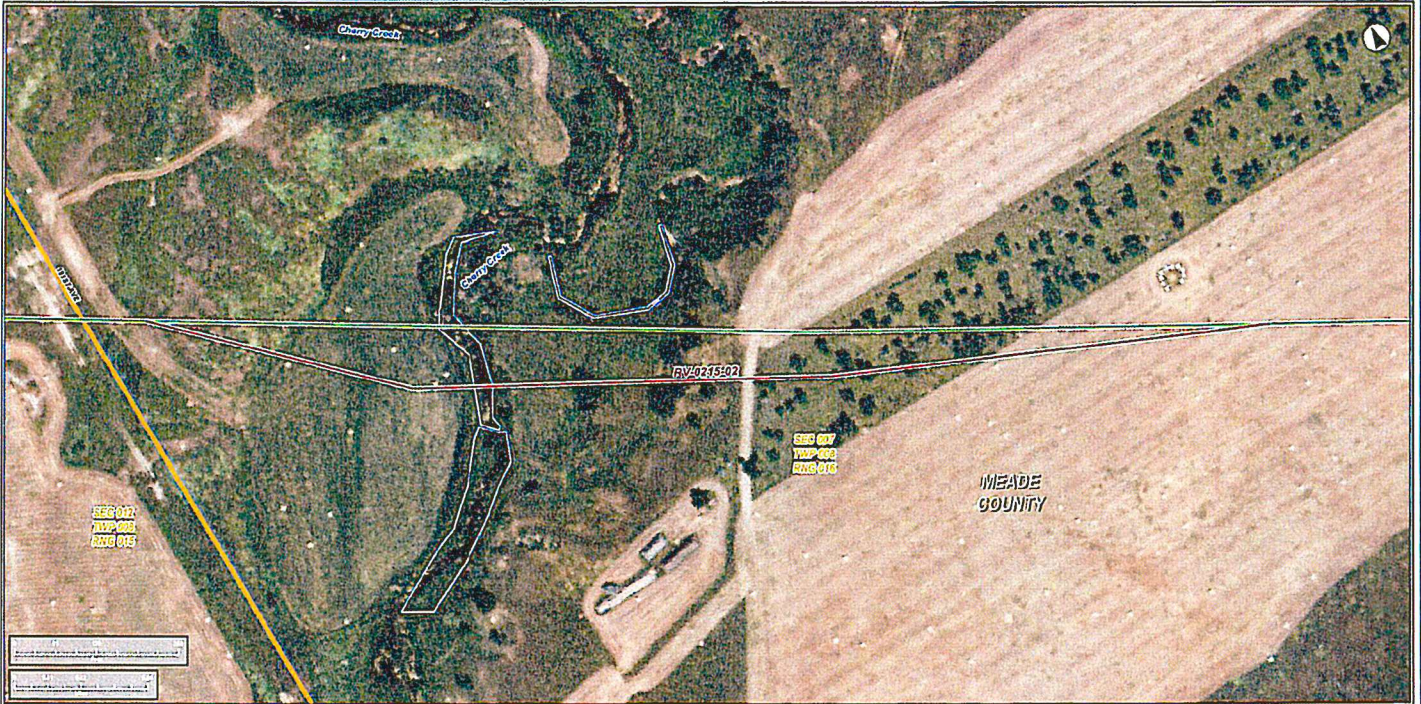
KEYSTONE XL PROJECT
ROUTE VARIATION 0512-01

COUNTY: MEADE	OWNER: GS
STATE: SOUTH DAKOTA	DESIGNED BY: PS
REV NO.: 1	REVISED: 06/11/13
DATE: 06/11/13	DATE: 06/11/13
PRELIMINARY	

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LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2015-11-18
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0215-02

COUNTY: 04-02	DRAWN BY: 02
STATE: S.D.	CHECKED BY: PD
REV. NO.: 1	DATE: 2/1/15
SCALE: 1"=1/4" HORIZ.	
PRELIMINARY	
SHEET: 21	OF 21

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SOUTH DAKOTA ROUTE VARIATION - 0478-01 (2014 NAIP IMAGERY)

TransCanada
A subsidiary of Enbridge



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-04-11
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0478-01

COUNTY: MEADE	DRAWN BY: LS
STATE: SOUTH DAKOTA	CHECKED BY: PS
REV. NO.: 1	REVISION: 02.02.2014
DATE: 02.02.2014	SCALE: 1"=1/4"
PRELIMINARY	
DATE: 2/15/2014	PROJECTOR: JACOB L. JONES
DATE: 02/15/2014	SHEET: 1 OF 1

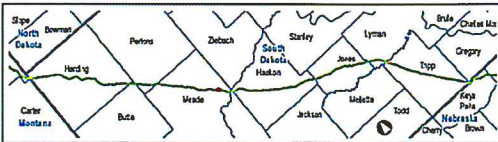
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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0257-02 (2014 NAIP IMAGERY)



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-03-14
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
 ROUTE VARIATION 0257-02

COUNTY: MEADE	PROJECT: 02
STATE: S.D.	CREATED BY: PT
REV: 02	ADDITION: 02
DATE: 02/23/2014	DATE: 02/23/2014
PRELIMINARY	

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 F: +1 352 385 5323
 1300 METROPOLITAN BLVD.
 TALLAHASSEE, FL 32304, USA
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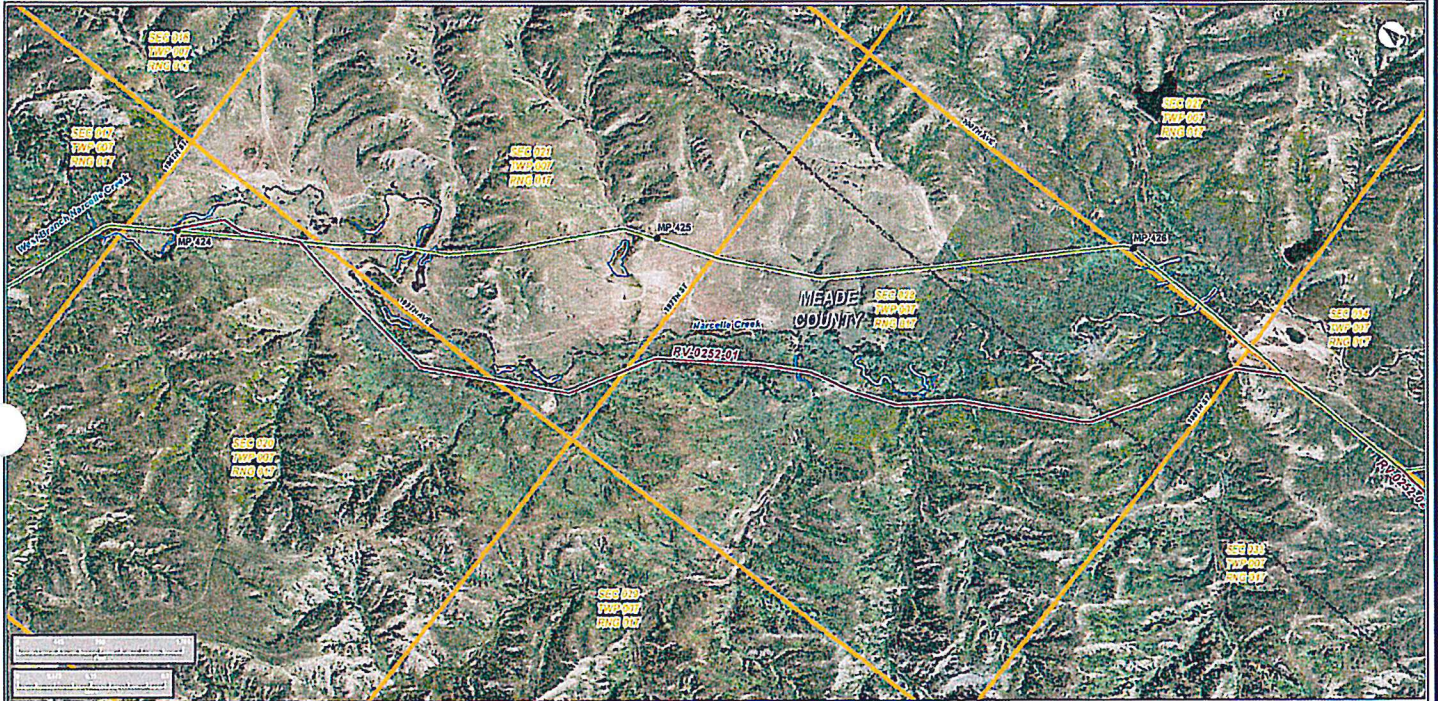


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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0252-01 (2014 NAIP IMAGERY)

TransCanada
In partnership with



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-07-13
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0252-01

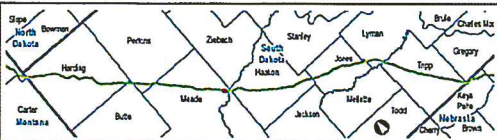
COUNTY: MEADE	DRAWN BY: SL
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO: 1	REVISION
DATE: 02/03/14	DATE: 02/10/14
PRELIMINARY	
DATE: 2/10/14	PRODUCTION: 1/10/14
DATE: 02/03/14	DATE: 02/10/14

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KEYSTONE XL PROJECT



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-04-18
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0384-01

COUNTY: MEADE	DRAWN BY: SA
STATE: SOUTH DAKOTA	CHECKED BY: JS
REV: 001	DATE: 2/14/14
2	02.03.14P.04.14
PRELIMINARY	
DATE: 2/14/14	PROJECT: 140114-01
DWG: 140114-01-001	SHEET: 1 of 1

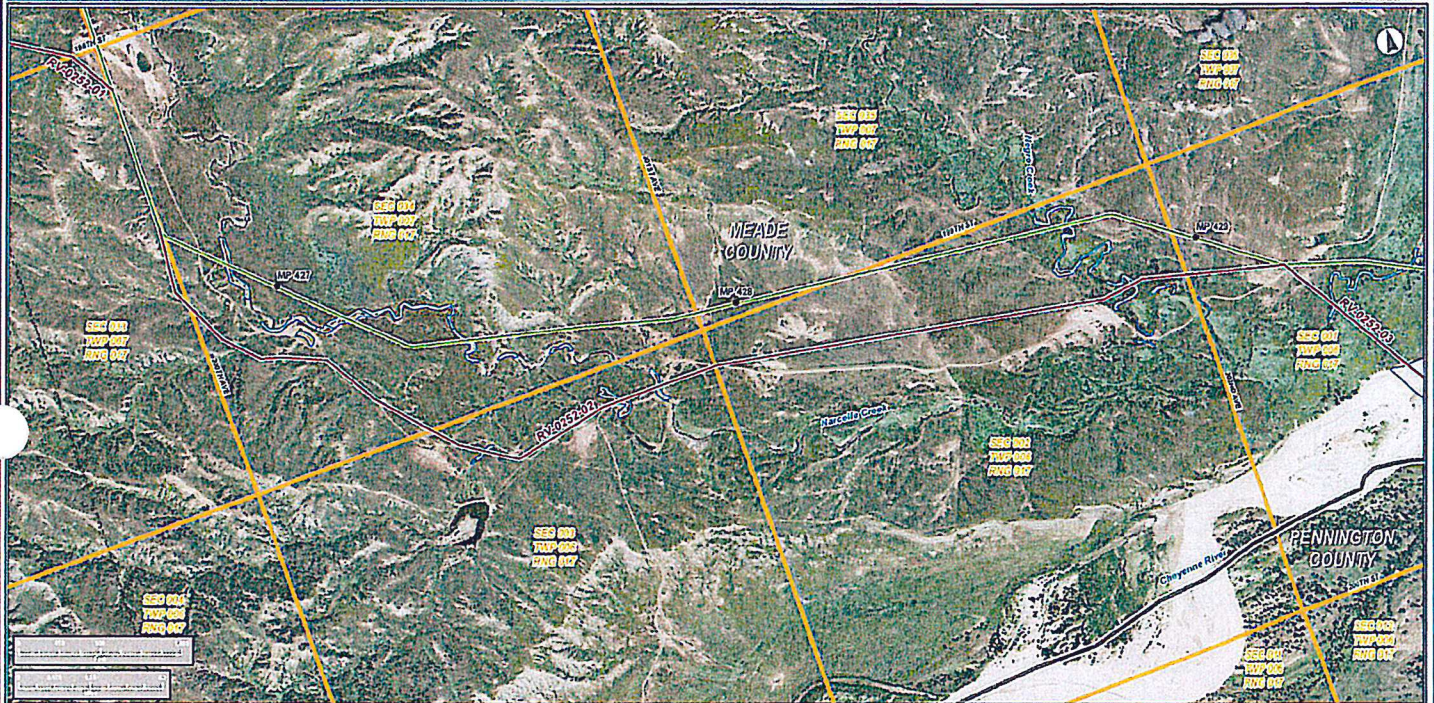
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SOUTH DAKOTA ROUTE VARIATION - 0252-02 (2014 NAIP /IMAGERY)

TransCanada
an Enbridge company



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 10/13/07-13
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0252-02

COUNTY: MEADE	DRAWN BY: CJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO: 1	DATE: 10/13/07

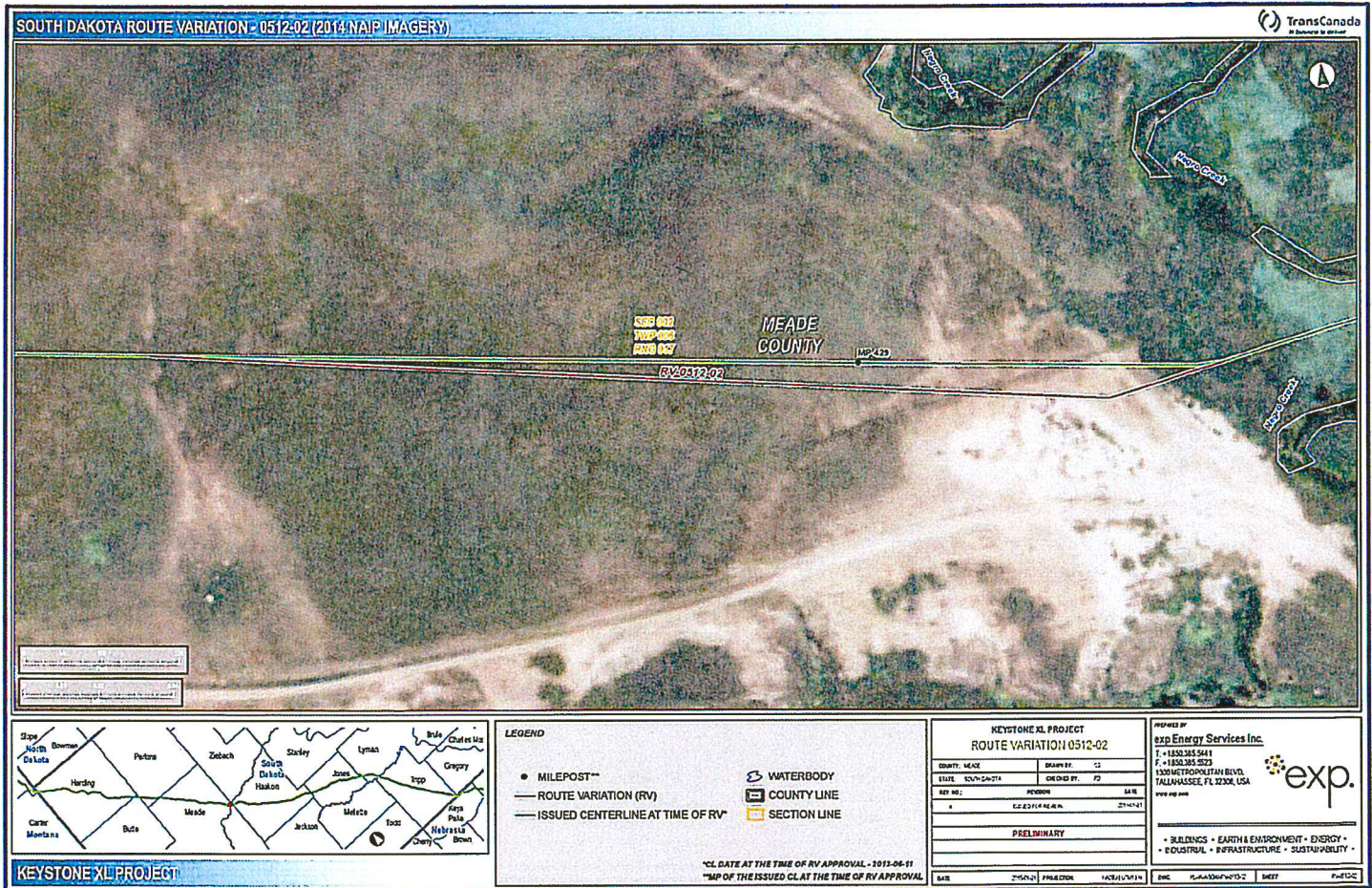
PRELIMINARY

DATE: 10/13/07	PROJECT: MEADE	SCALE: 1"=1/2"
----------------	----------------	----------------

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KEYSTONE 0517



SOUTH DAKOTA ROUTE VARIATION - 0543-01 (2014 NAIP IMAGERY)



KEYSTONE XL PROJECT

LEGEND

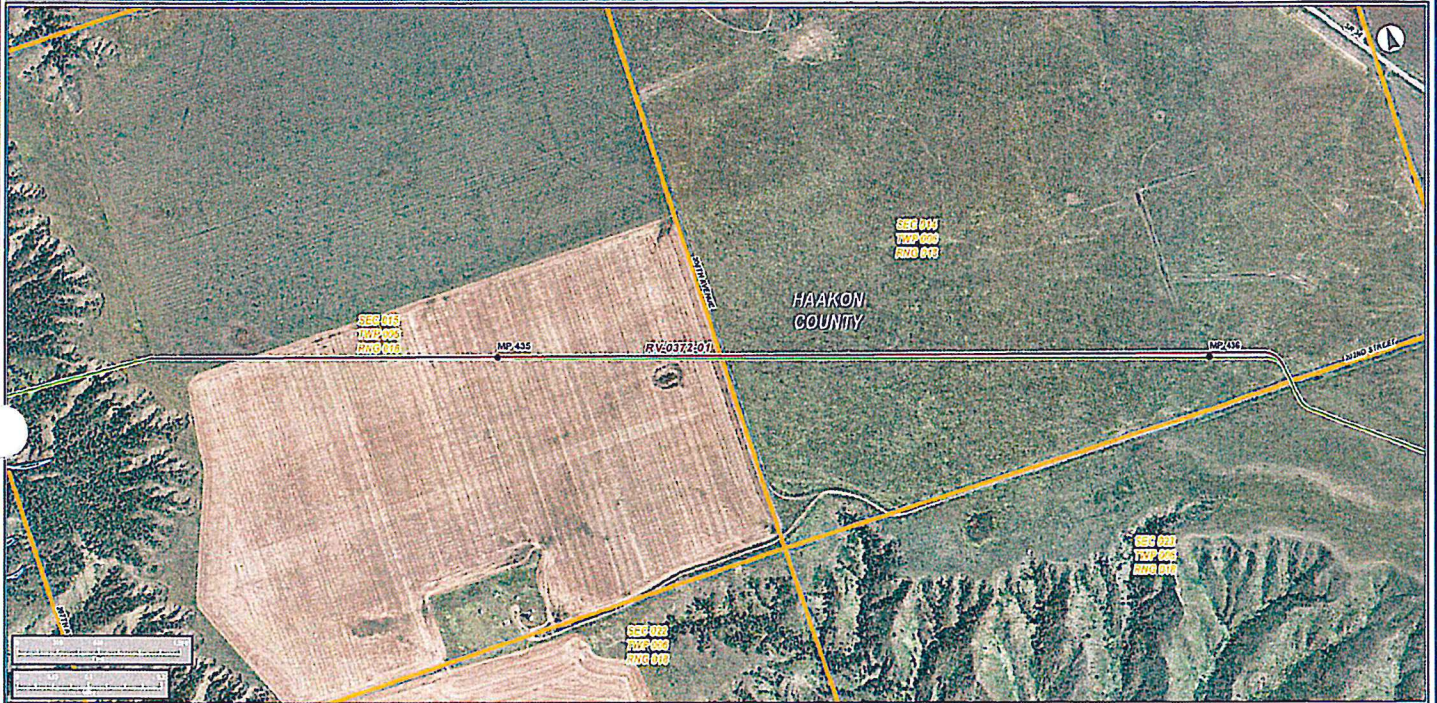
- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT ROUTE VARIATION 0543-01		PREPARED BY expEnergy Services Inc. T. +1.850.365.5441 F. +1.850.365.5523 1300 METROPOLITAN BLVD. TALLAHASSEE, FL 32308, USA WWW.EXP.ENERGY.COM
COUNTY	HAUKON	
STATE	SOUTH DAKOTA	
DATE	2013-06-11	
PREPARED BY expEnergy Services Inc.		• BUILDINGS • EARTH & ENVIRONMENT • ENERGY • • ELECTRICAL • INFRASTRUCTURE • SUSTAINABILITY •
PROJECT NO.: 0543-01		
DATE: 2013-06-11		
SHEET: 0543-01		

SOUTH DAKOTA ROUTE VARIATION - 0372-01 (2014 NAIP IMAGERY)

TransCanada
En Énergie le meilleur



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 10-10-15
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0372-01

COUNTY: HAAKON	DRAWN BY: CL
STATE: S.D.	CHECKED BY: PJ
REV NO: 1	DATE: 10/10/15
BY: CL	FOR REVIEW: 10/10/15
PRELIMINARY	
DATE: 10/10/15	PROJECT: 10/10/15
DATE: 10/10/15	DATE: 10/10/15

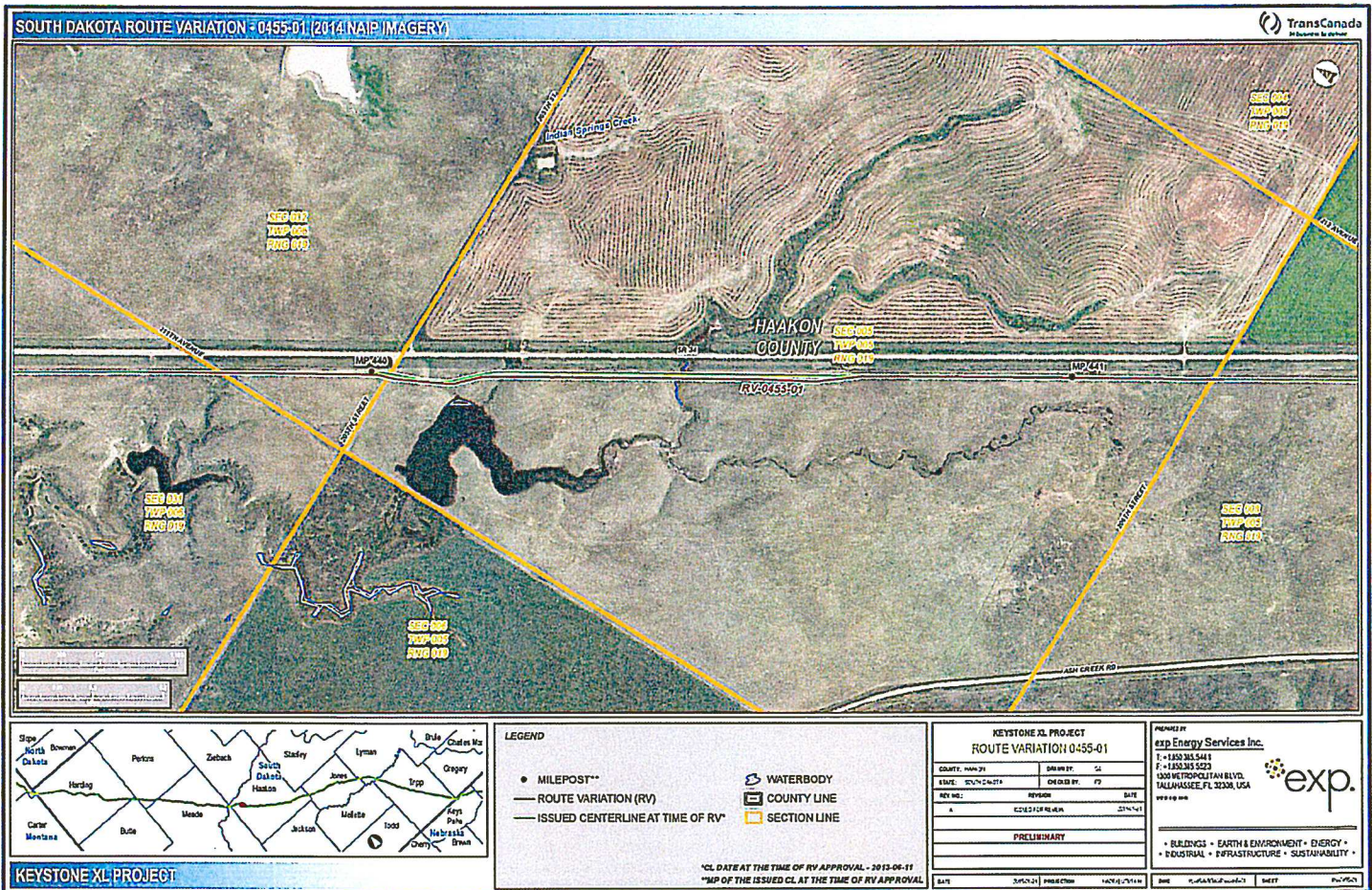
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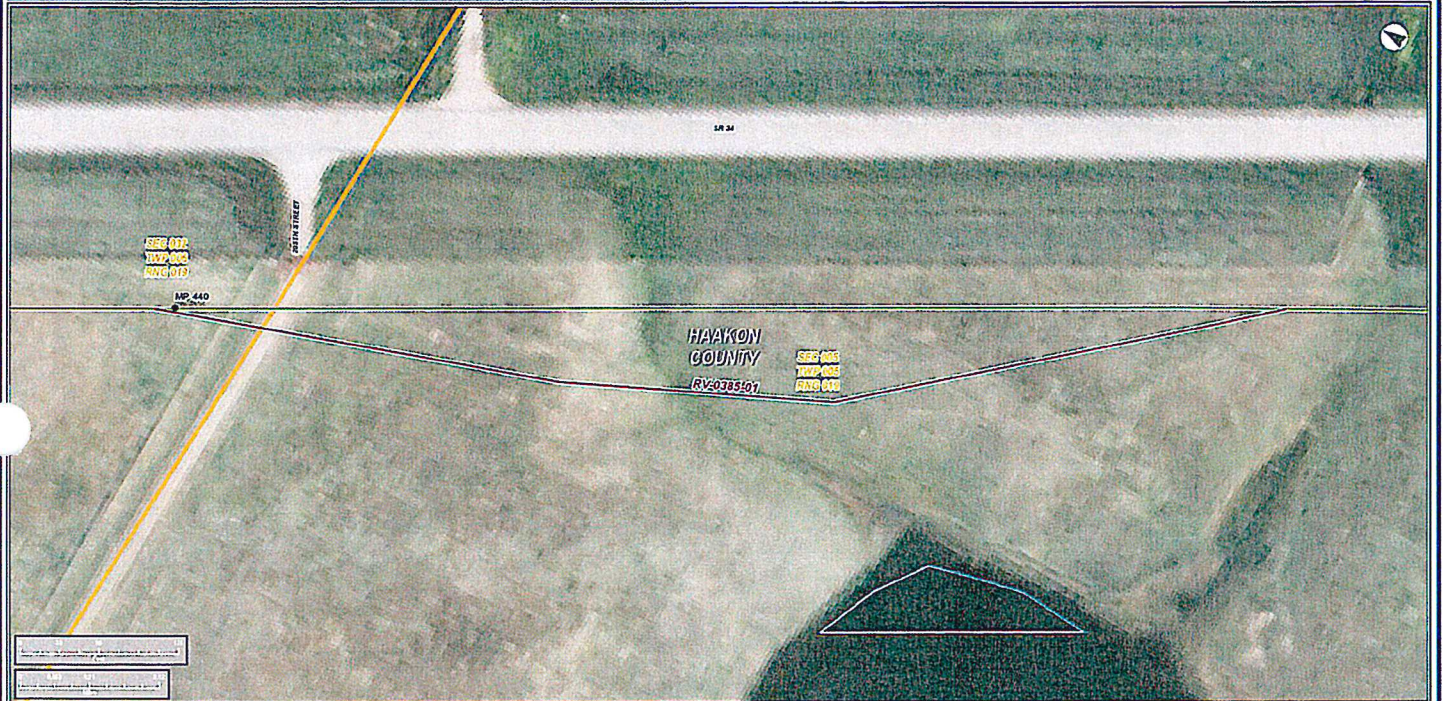
KEYSTONE XL PROJECT

KEYSTONE 0520



KEYSTONE 0521

SOUTH DAKOTA ROUTE VARIATION - 0385-01 (2014 NAIP IMAGERY)



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 10/13/08 15
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

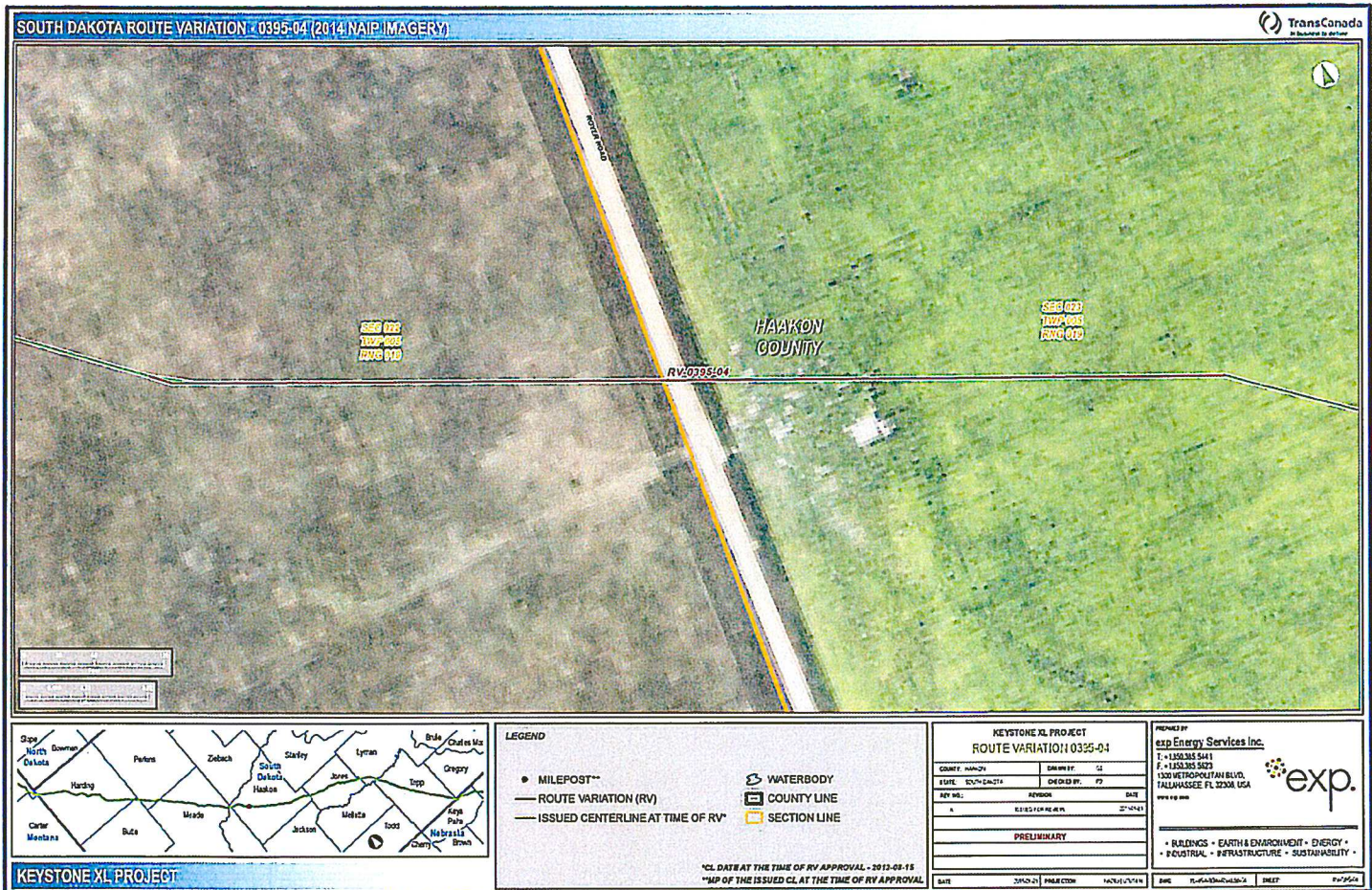
KEYSTONE XL PROJECT ROUTE VARIATION 0385-01			
COUNTY: HAWKON	DRAWN BY: SJ	CHECKED BY: PJ	DATE
STATE: SOUTH DAKOTA	KEYWORD	DATE	
REV NO: 1	DATE	DATE	
PRELIMINARY			

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 F + 1.800.368.5223
 100 WILSON AVENUE, SUITE 100
 TALLAHASSEE, FL 32304, USA

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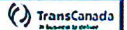
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KEYSTONE XL PROJECT



KEYSTONE 0523

SOUTH DAKOTA ROUTE VARIATION - 0289-01 (2014 NAIP IMAGERY)



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-03-14
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
 ROUTE VARIATION 0289-01

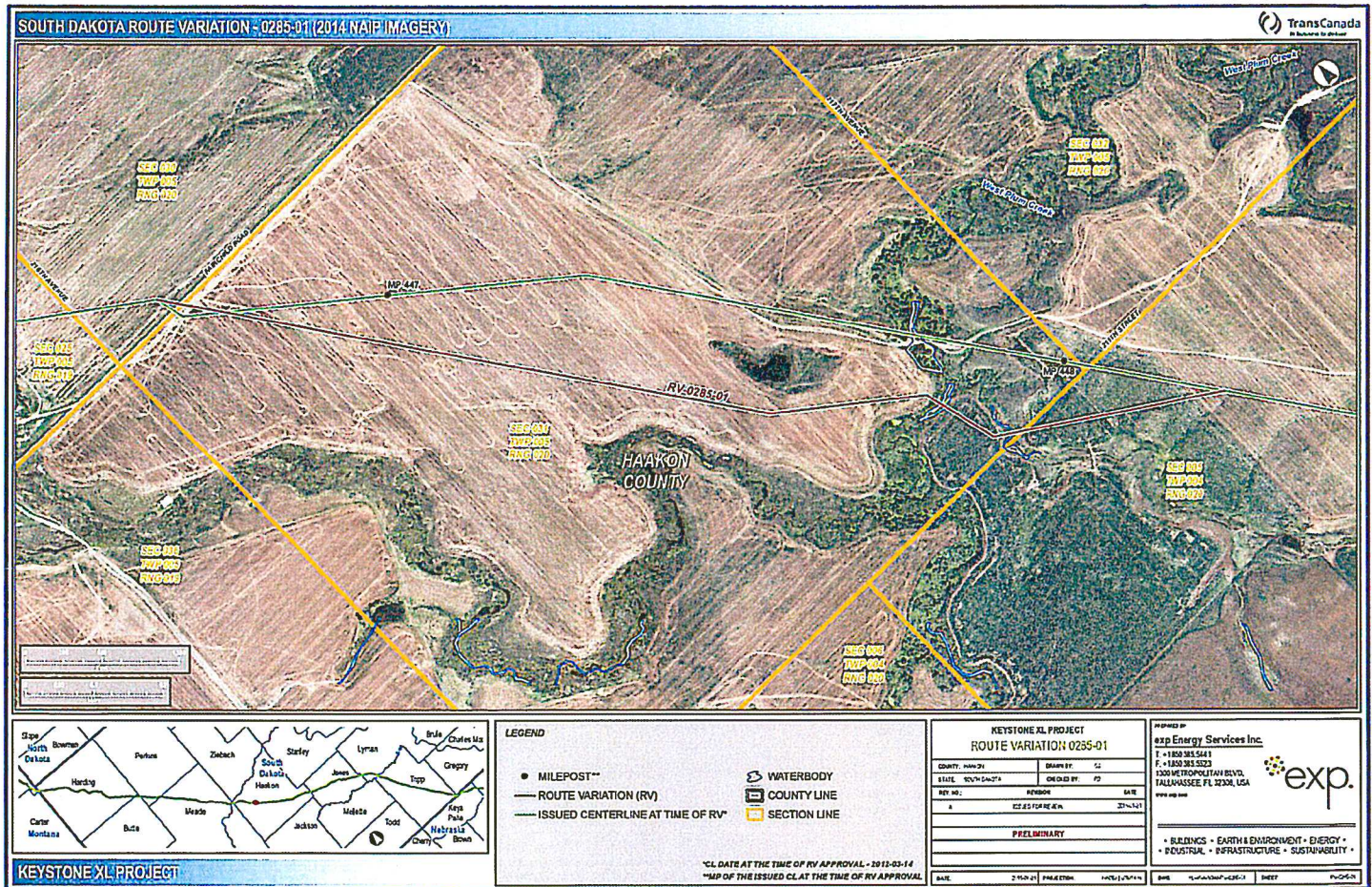
COUNTY: HAAKON	DRAWN BY: GJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV: 01	DATE: 2014-03-14
PROJECT: KEYSER FOR HAAKON	
PRELIMINARY	

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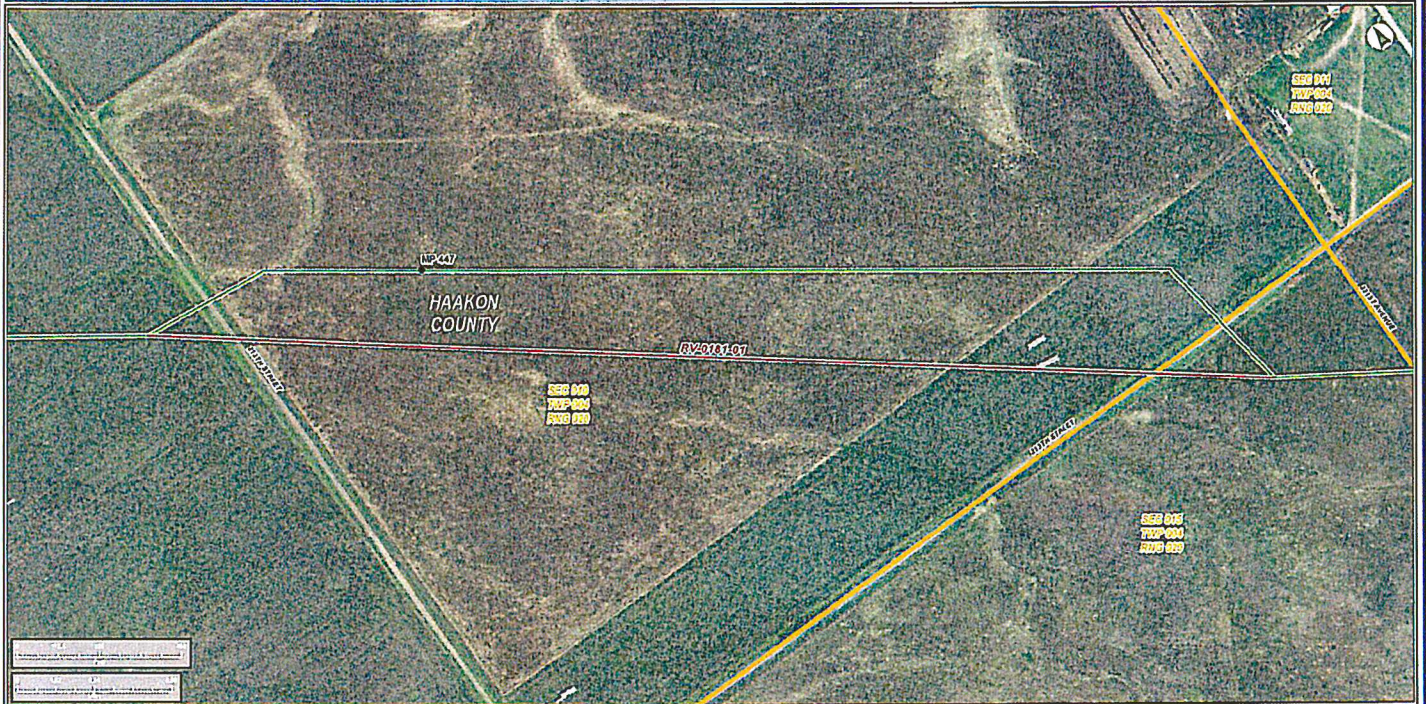
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KEYSTONE XL PROJECT



SOUTH DAKOTA ROUTE VARIATION - 0181-01 (2014 NAIP IMAGERY)

TransCanada
an Equinor company



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-03-28
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0181-01

COUNTY: HAUKON	DRAWN BY: SJ
STATE: SD	CHECKED BY: PT
APP. NO.	REVISION
DATE	DATE
1	2/14/11
PRELIMINARY	

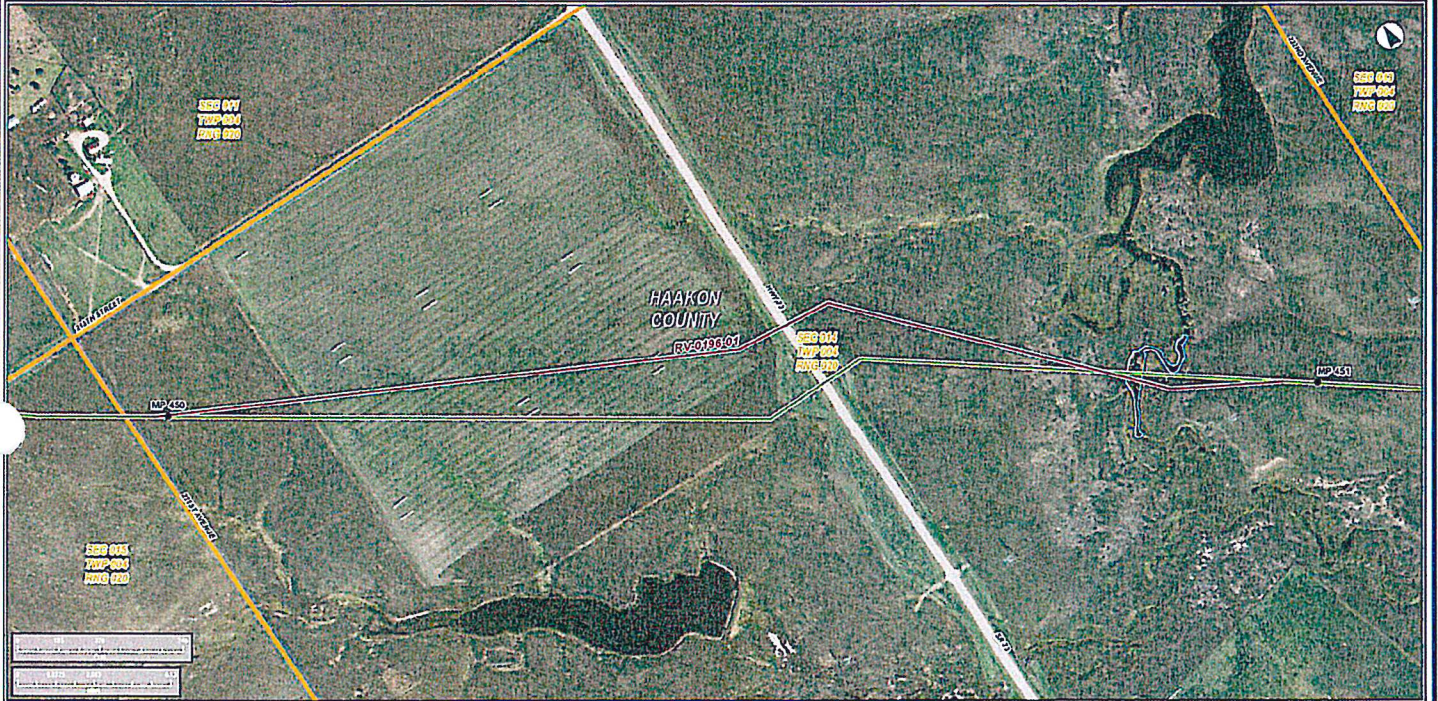
PREPARED BY
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

SOUTH DAKOTA ROUTE VARIATION - 0195-01 (2014 N/A/P IMAGERY)

TransCanada
BY AGREEMENT TO SUPPLY



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 10/15/16
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

**KEYSTONE XL PROJECT
ROUTE VARIATION 0195-01**

COUNTY: HAakon	SECTION: 01
STATE: SOUTH DAKOTA	CHANGED BY: PJ
REV NO: 1	DATE: 10/15/16
PRELIMINARY	

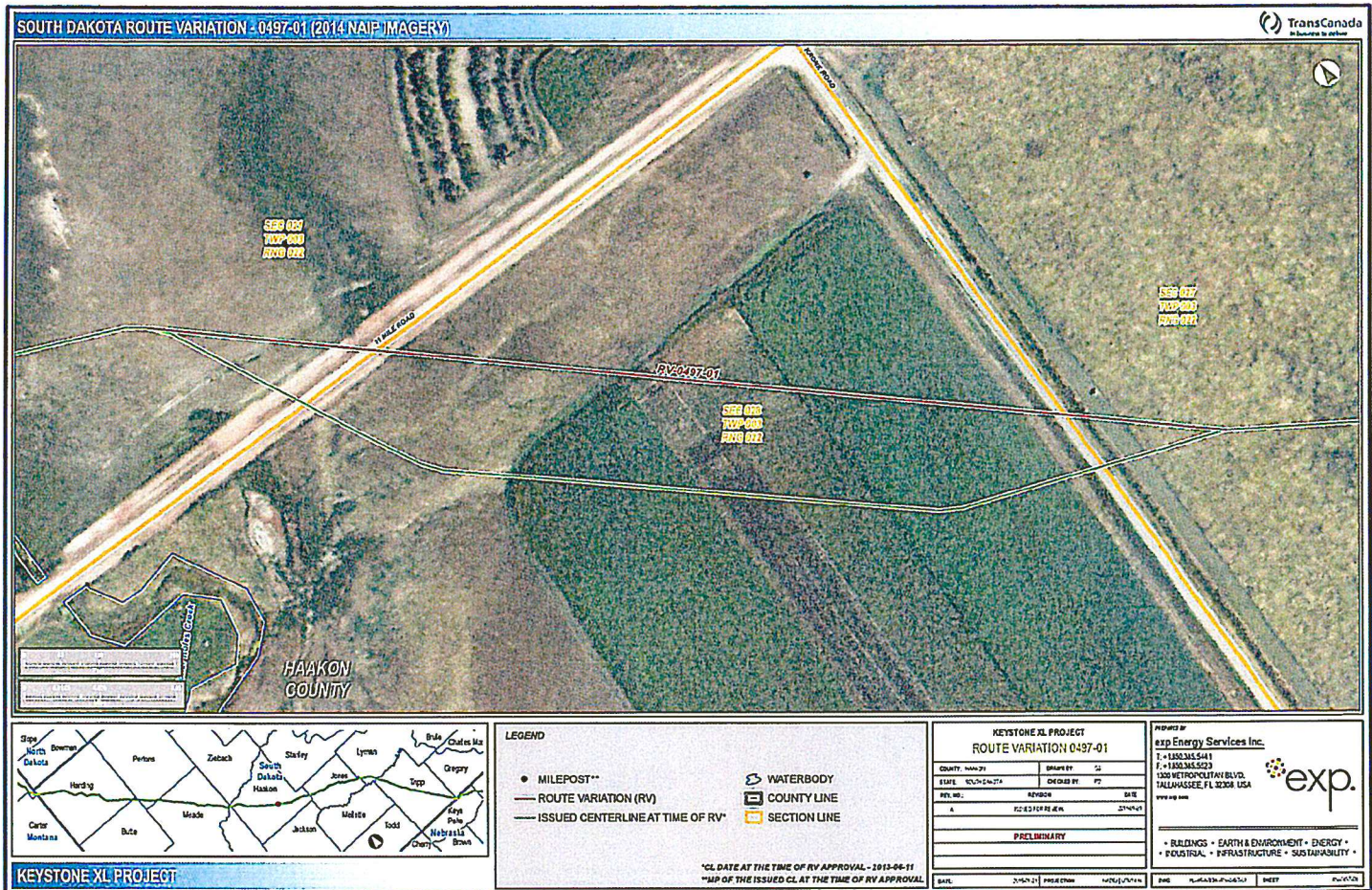
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F: +1850.365.5523
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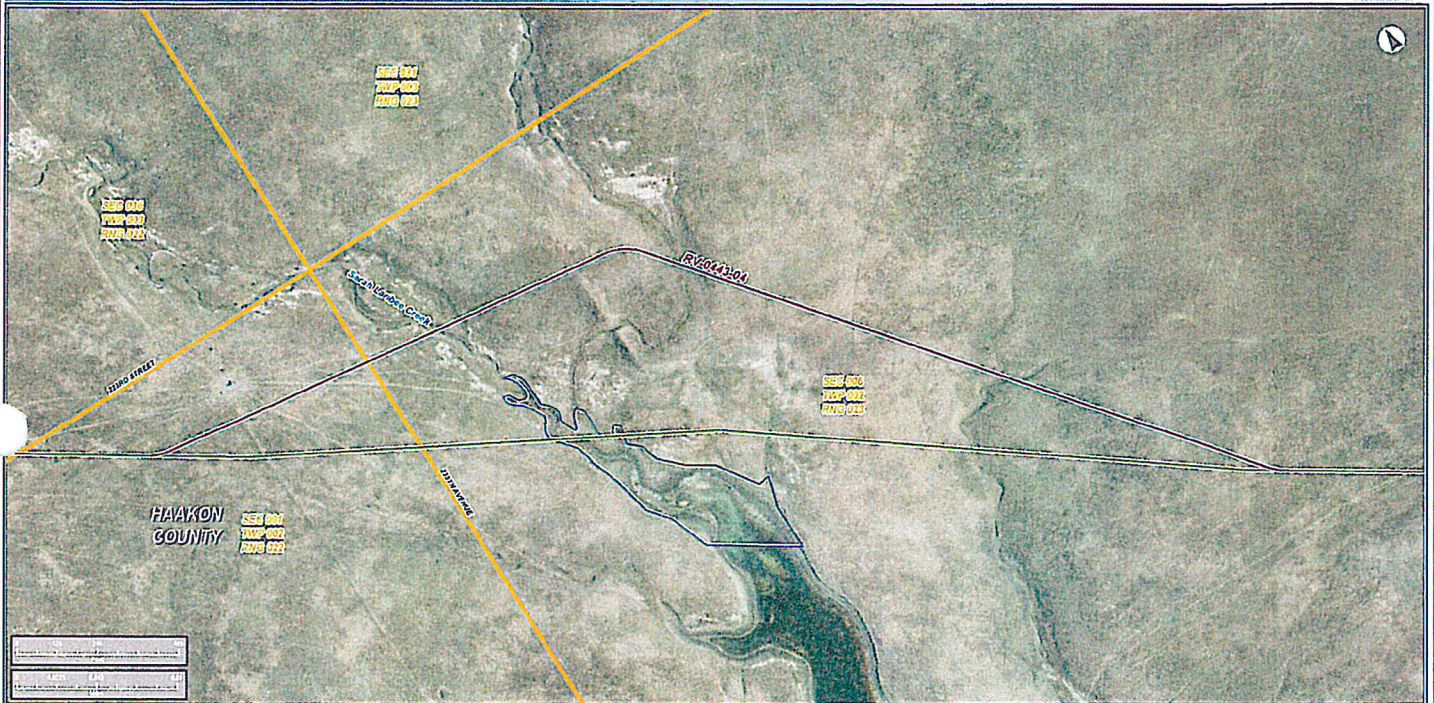
KEYSTONE XL PROJECT





SOUTH DAKOTA ROUTE VARIATION - 0443-04 (2014 NAIP IMAGERY)

TransCanada
BY AUTHORITY OF THE STATE



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-04-11
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0443-04

COUNTY: HAAKON	DRAWN BY: SL
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REL. NO.: KEYSTONE	DATE: 2013-04-11
E.C. FOR REACH: 2013-04-11	
PRELIMINARY	

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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0187-01 (2014 NAIP IMAGERY)

TransCanada
an Enbridge Inc. business



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-03-28
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0187-01

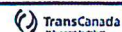
COUNTY: HANCOCK	DRAWN BY: CJ
STATE: SOUTH DAKOTA	CHECKED BY: PS
DATE: 02/03/2010	SCALE: 1"=1/4"
PROJECT: PRELIMINARY	

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WWW.ESG.COM



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SOUTH DAKOTA ROUTE VARIATION - 0199-05 (2014 NAIP IMAGERY)



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-10-18
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT ROUTE VARIATION 0199-05			
COUNTY: HAakon	DRAWN BY: CJ		
STATE: S.D.	CHECKED BY: JF		
REV NO: 1	REVISED: 01/24/17	DATE: 01/24/17	
PRELIMINARY			
DATE: 01/24/17	PROJECT: 0199-05	REVISED: 01/24/17	SHEET: 1 OF 1

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 7 - 1350 36th St SW
 F - 1350 36th St SW
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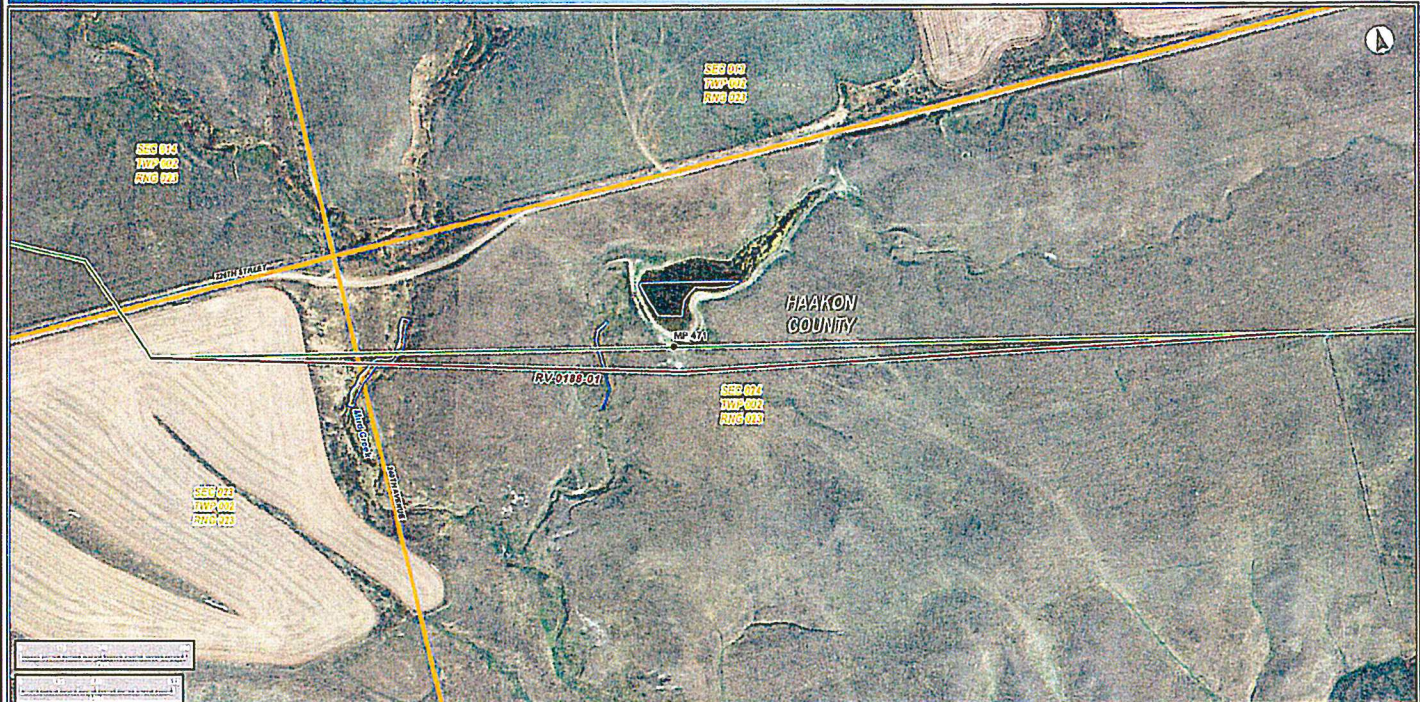
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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0188-01 (2014 NAIP IMAGERY)

TransCanada
an Enbridge company



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-03-29
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0188-01

COUNTY: HAWKINS	DRAWN BY: JG
STATE: SOUTH DAKOTA	DESIGNED BY: JG
REV NO: 1	DATE: 02/27/2014

PRELIMINARY

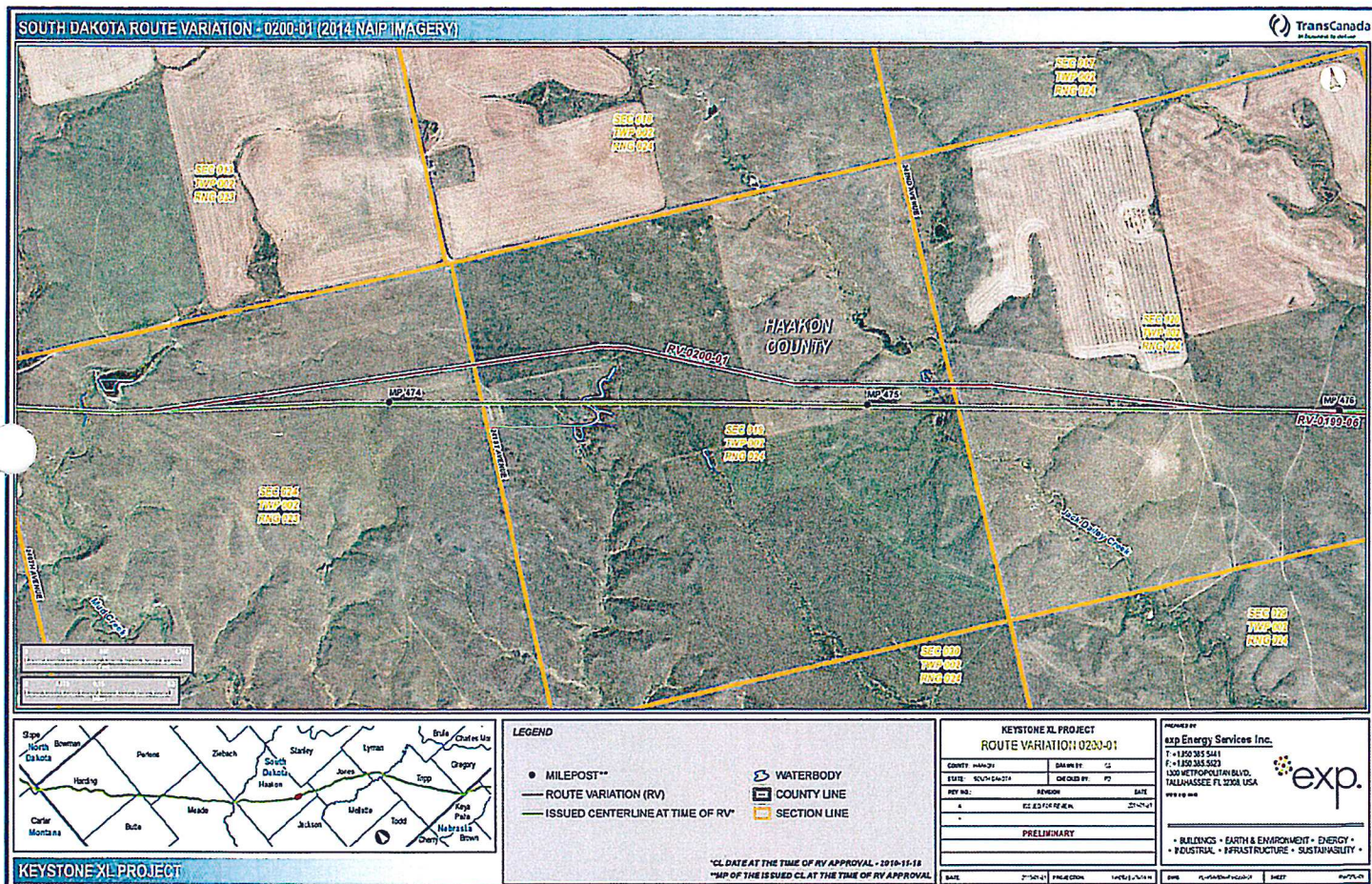
DATE: 2/27/2014	PROJECT: KEYSTONE XL	SHEET: 1 OF 1
-----------------	----------------------	---------------

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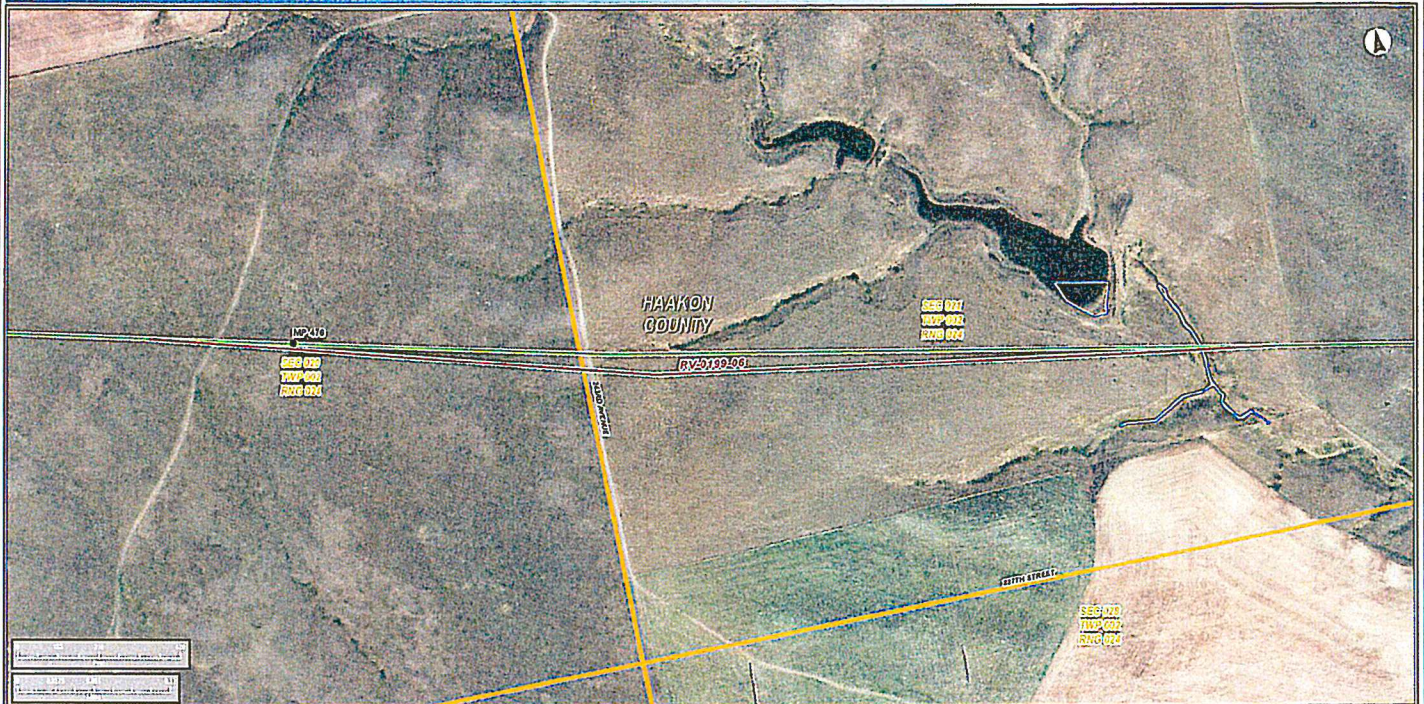
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• FERTILISERS • INFRASTRUCTURE • SUSTAINABILITY •

KEYSTONE 0535



SOUTH DAKOTA ROUTE VARIATION - 0199-05 (2014 NAIP IMAGERY)

TransCanada
an Exponent Co. project



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2016-11-18
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0199-05

COUNTY	HAAKON	DRAWN BY	SI
STATE	SOUTH DAKOTA	CHECKED BY	PS
REV. NO.	001	DATE	01/14/17
BY	EE/EST/FA/ECN	DATE	01/14/17
PRELIMINARY			

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TALLAHASSEE, FL 32310, USA
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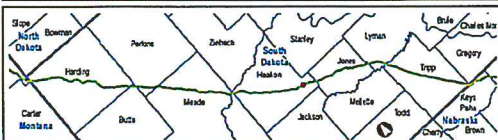


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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

KEYSTONE XL PROJECT

KEYSTONE 0537





LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2012-03-14
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0260-01

COUNTY:	HAUKON	DRAWN BY:	CL
STATE:	SD	CHECKED BY:	PJ
REV NO:	REVISED	DATE	
1	22-02-2014	2014-01-14	
PRELIMINARY			
DATE:	2-10-14	PROJECT:	HAUKON
FILE:	2-10-14	DATE:	2-10-14

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SOUTH DAKOTA ROUTE VARIATION - 0260-02 (2014 NAIP IMAGERY)

TransCanada
We Deliver to the Future

HAWKON
COUNTY
RV:0260-02

SEE ALSO
PWP-002
AND 001

1	2
3	4



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 1012-03-14
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

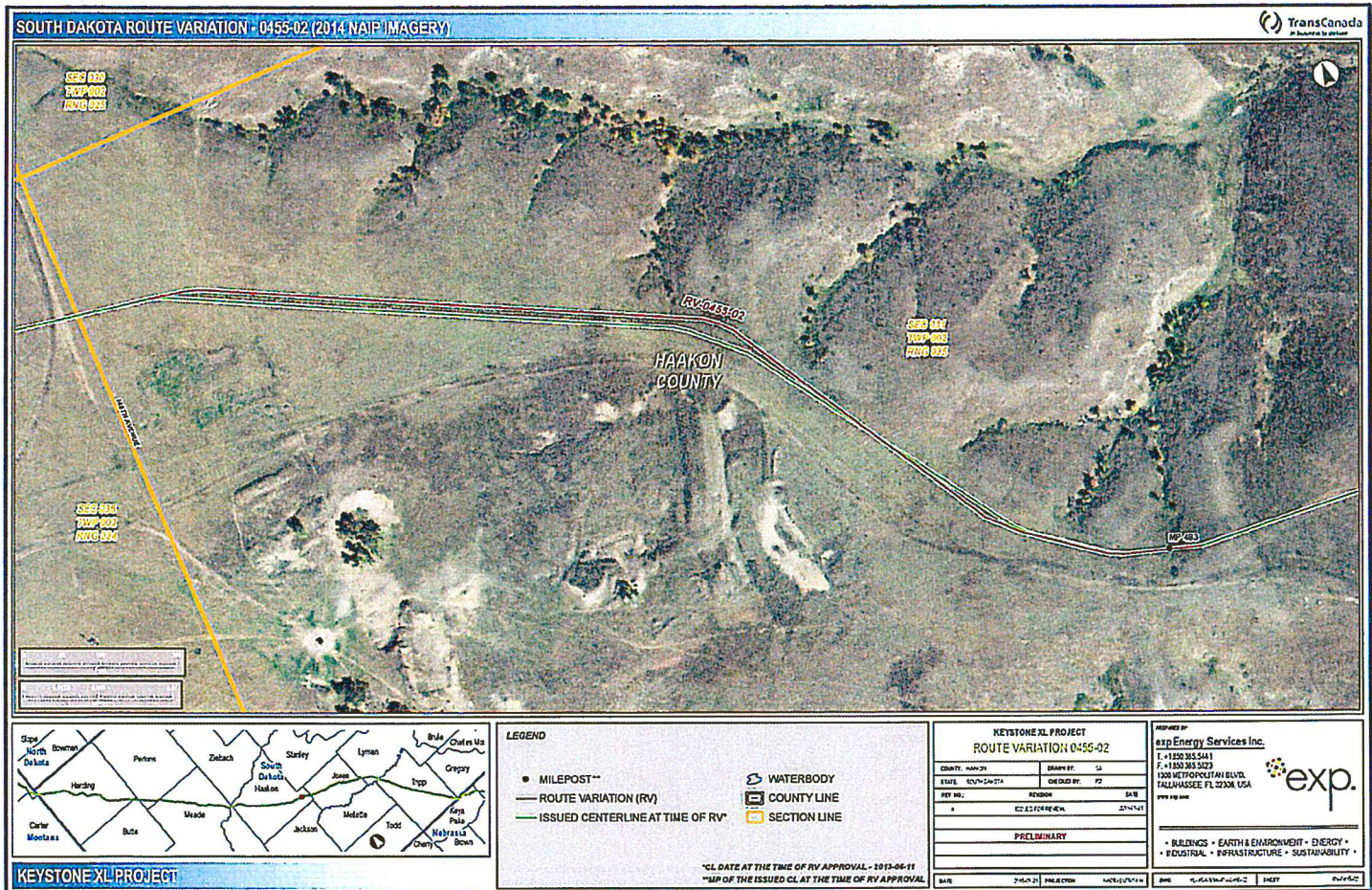
KEYSTONE XL PROJECT ROUTE VARIATION 0260-02	
COUNTY: HAWKON	DRAWN BY: CJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO.: 026000	DATE: 10/12/14
BY: CJ	FOR: TRANSCANADA
PRELIMINARY	
DATE: 10/12/14	PROJECT CODE: 14012-0260-02
DATE: 10/12/14	PROJECT CODE: 14012-0260-02

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KEYSTONE XL PROJECT



SOUTH DAKOTA ROUTE VARIATION - 0260-04 (2014 NAIP IMAGERY)

TransCanada
By Agreement to deliver



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

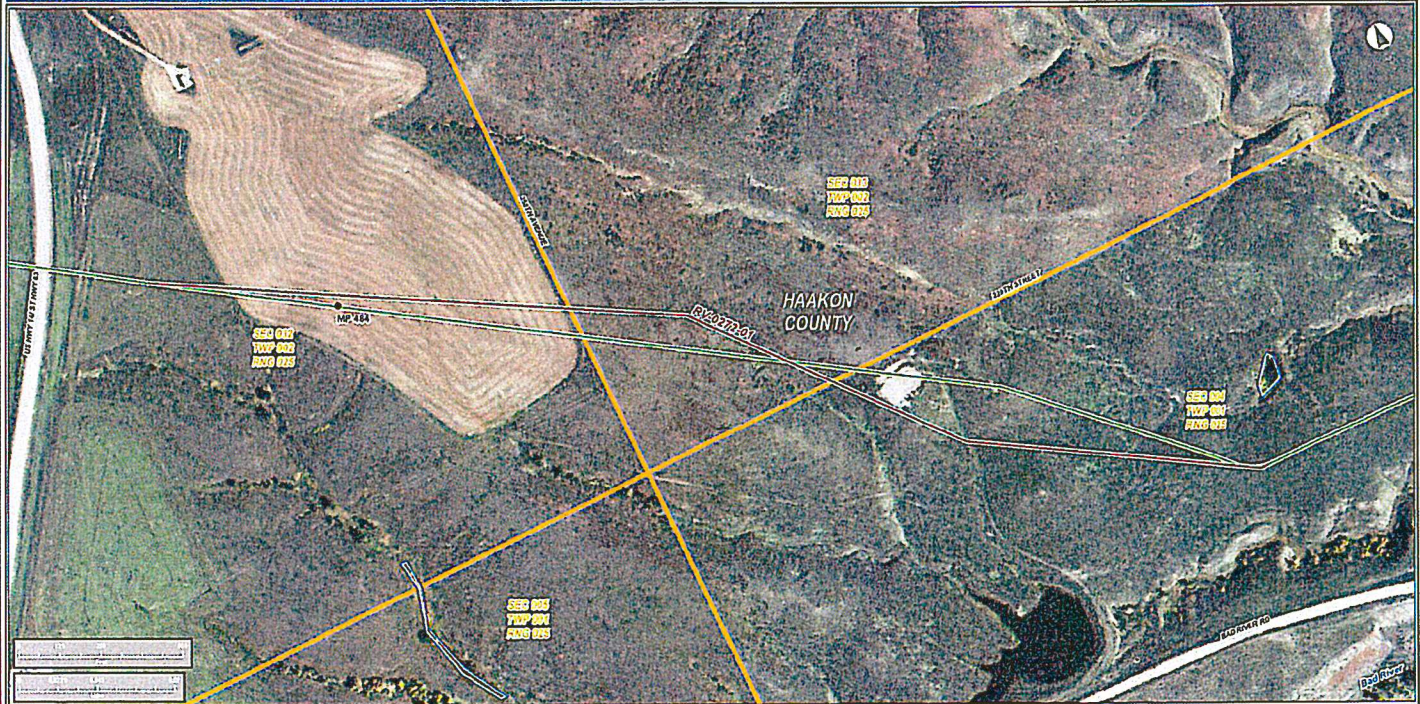
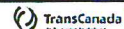
*CL DATE AT THE TIME OF RV APPROVAL - 2011-03-14
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT ROUTE VARIATION 0260-04			
COUNTY	HAAKON	DRAWN BY	SL
STATE	SOUTH DAKOTA	CHECKED BY	FD
REV NO.	REVISION	DATE	
A	ISSUED FOR REVIEW	2/24/14	
PRELIMINARY			
DATE	2/24/14	PROJECT NO.	140701000100
DRAWN	SL	CHECKED	FD

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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0272-01 (2014 NAIP IMAGERY)



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*

- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2011-03-14
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
 ROUTE VARIATION 0272-01

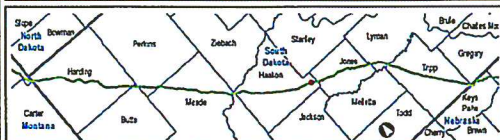
COUNTY	HAUKON	DRAWN BY	CS
STATE	SOUTH DAKOTA	CHECKED BY	PS
REV. NO.	000000	DATE	
A	02/23/2014	27°N 141°E	
PRELIMINARY			

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KEYSTONE 0543



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*

- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2011-06-14
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0239-01

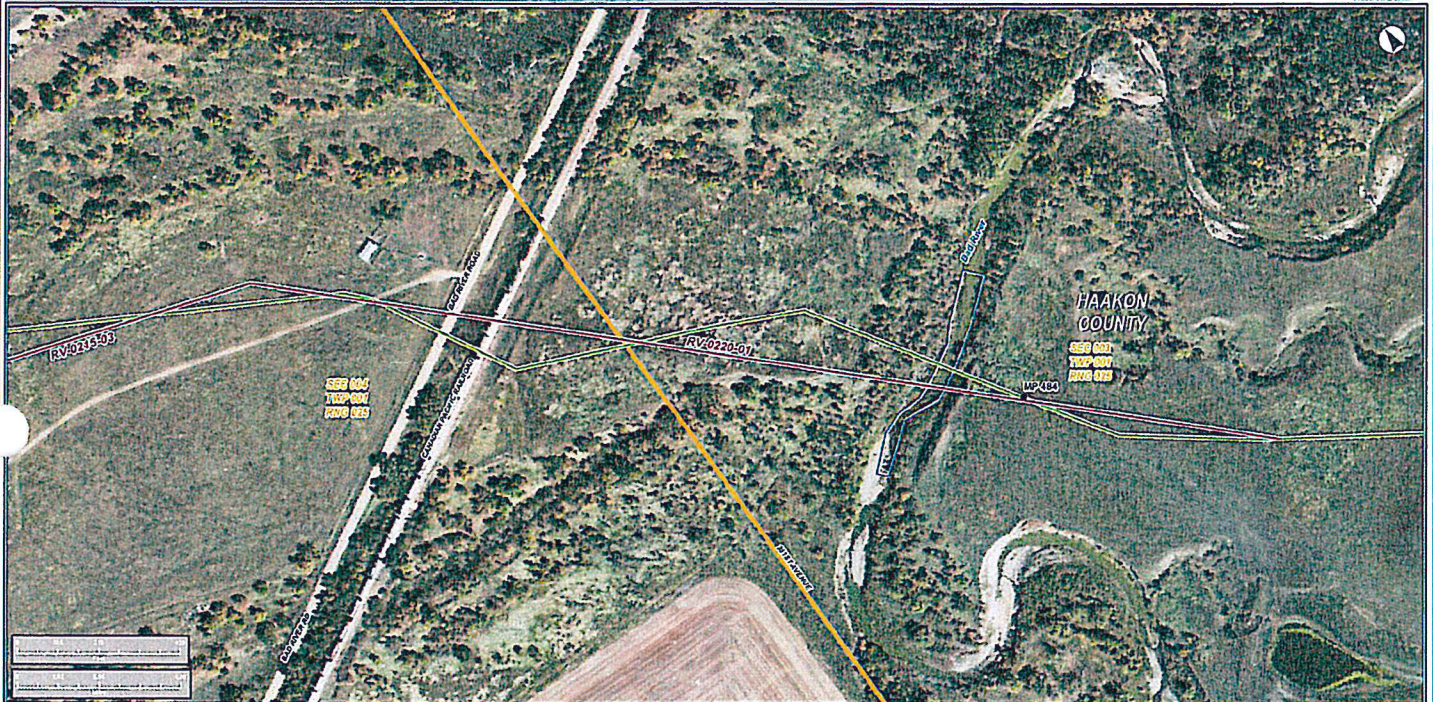
COUNTY:	HAAKON	DRAWN BY:	SL
STATE:	SOUTH DAKOTA	CHECKED BY:	PT
REV NO.:	000000	DATE:	04/01/14
A	DATE FOR REVIEW:	2/1/14	
PRELIMINARY			

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 • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

SOUTH DAKOTA ROUTE VARIATION - 0220-01 (2014 NAIP IMAGERY)



KEYSTONE XL PROJECT
ROUTE VARIATION 0220-01

COUNTY: HAAKON	DISTRICT: 01
STATE: SOUTH DAKOTA	CHECKED BY: FY
REV NO: 1	REVISION: 02/20/14
DATE: 02/20/14	
PRELIMINARY	
DATE: 2/20/14	PROJECT: 142741-01-01
DATE: 02/20/14	SHEET: 01 OF 01

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 TALLAHASSEE, FL 32308, USA
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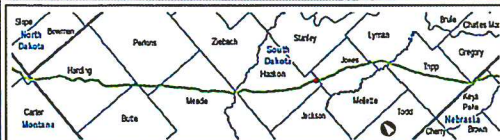
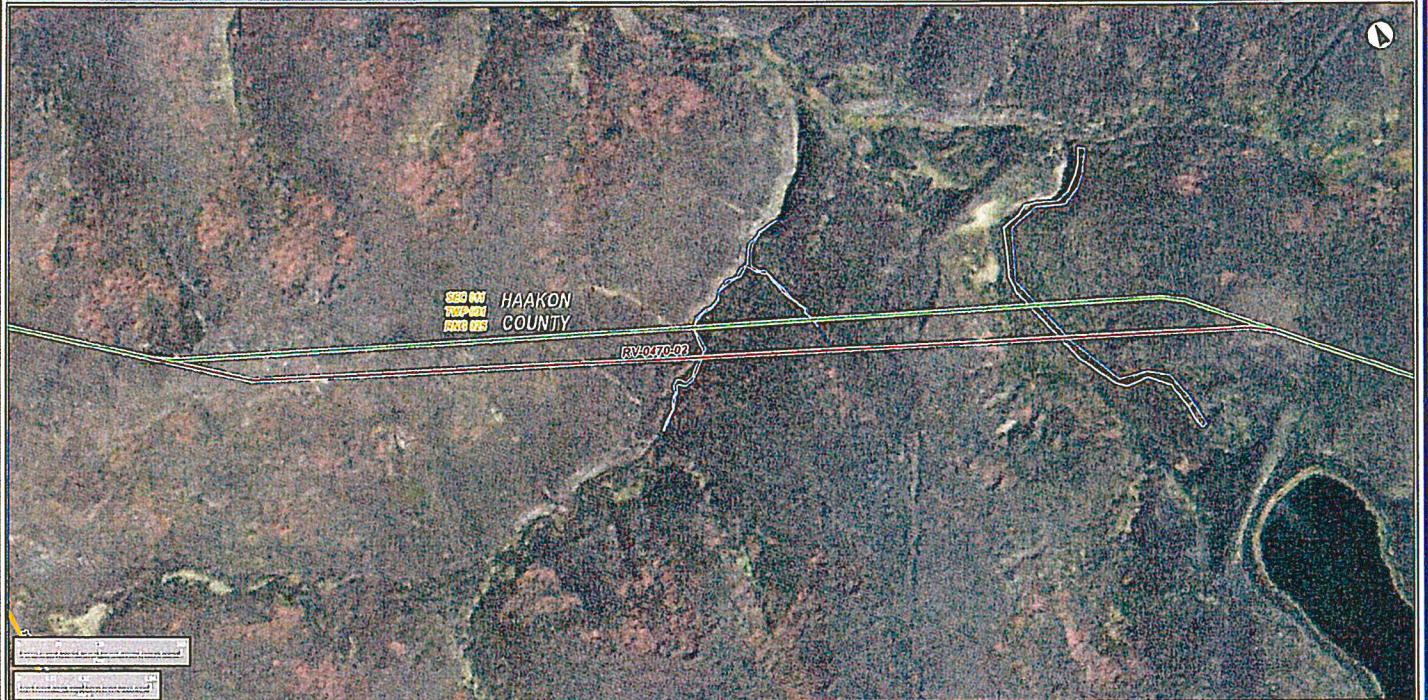
exp.

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 • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0470-02 (2014 NAIP IMAGERY)

TransCanada
an Enbridge US company



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0470-02

OWNER: WPC	DESIGNED BY: GSI
DATE: 02/24/2014	CHECKED BY: PD
REV: 001	REVISION
4	ISSUED FOR PERMITS
PRELIMINARY	
DATE: 2/24/2014	
SHEET: 1 OF 1	

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KEYSTONE 0547

SOUTH DAKOTA ROUTE VARIATION - 0260-03 (2014 NAIP IMAGERY)

TransCanada
BY ORDER OF THE BOARD



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 10-15-03-14
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0260-03

COUNTY: HAKON	DRAWN BY: CS
STATE: S.D. 26-03	CHECKED BY: FJ
REV NO.: NEWBORN	DATE
1	10-15-03-14

PRELIMINARY

DATE: 10/15/14 PROJECT: 10260-03-14 SHEET: 10260-03

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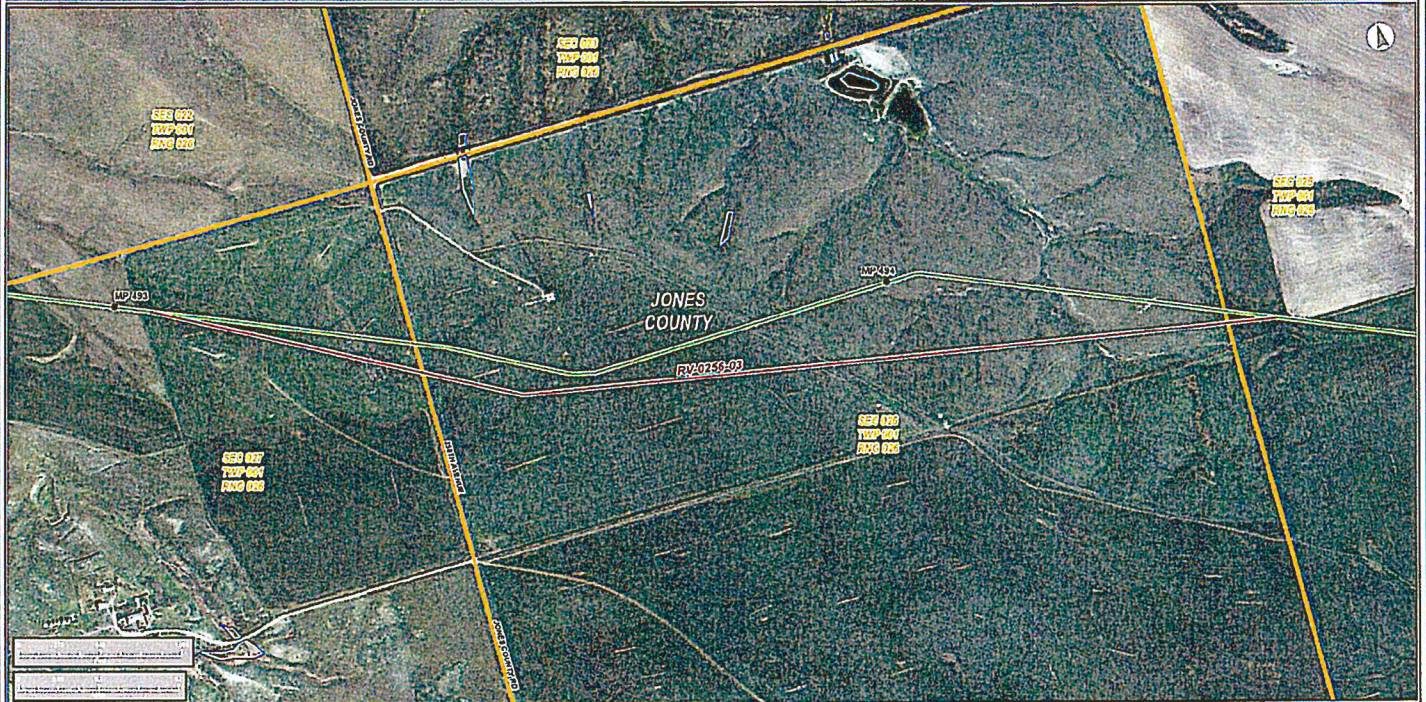
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

KEYSTONE XL PROJECT

KEYSTONE 0548

SOUTH DAKOTA ROUTE VARIATION - 0256-03 (2014 NAIP IMAGERY)

TransCanada
BY SOURCE TO SOURCE



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-03-14
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0256-03

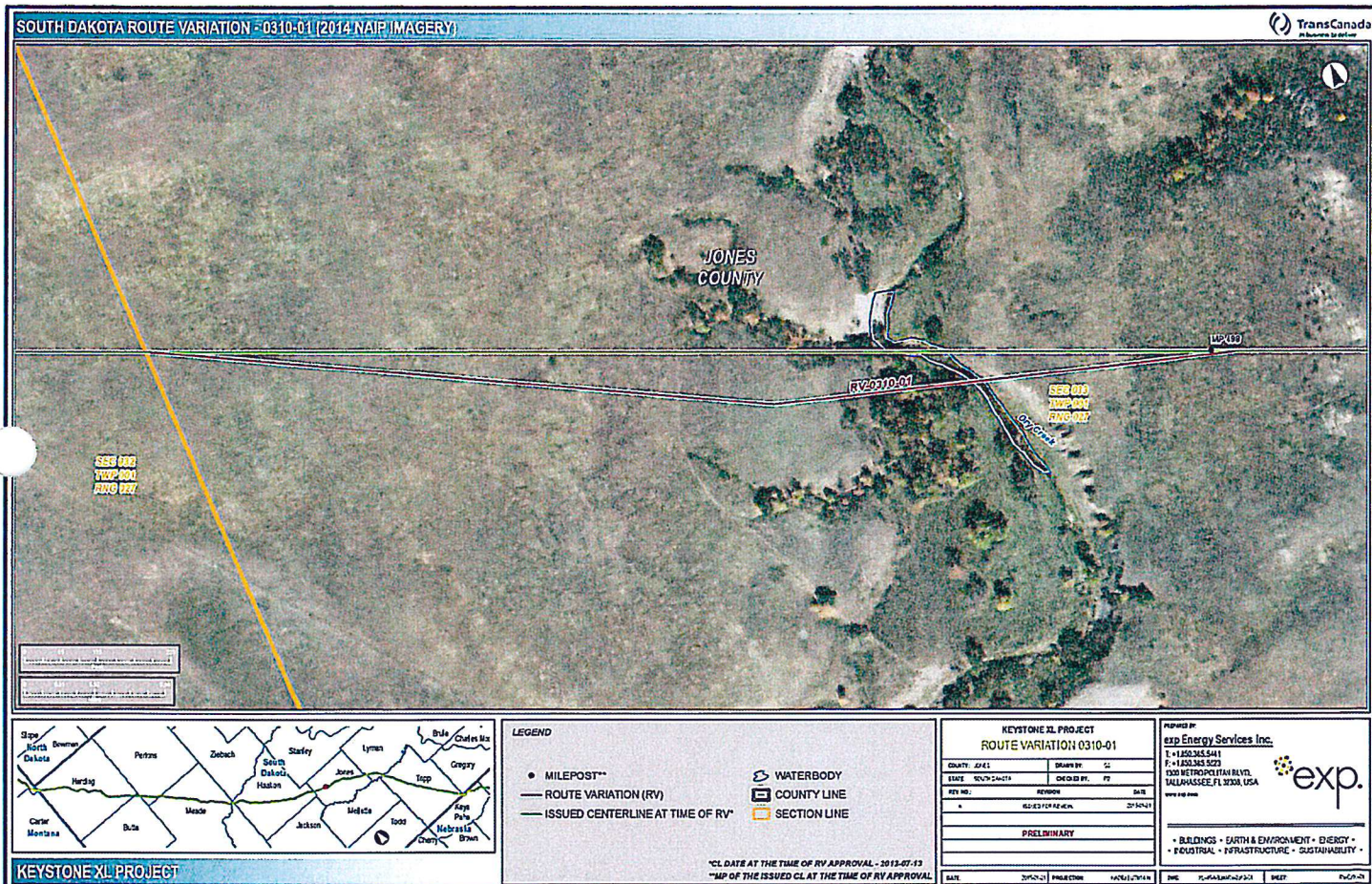
COUNTY:	DAKE	SHOWN BY:	CL
STATE:	SOUTH DAKOTA	CREATED BY:	PD
FILE NO.:	0256-03	DATE:	2013-03-14
A	0256-03	DATE:	2013-03-14
PRELIMINARY			

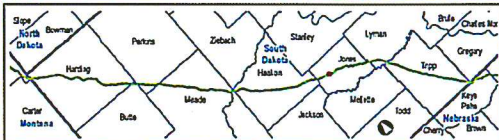
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KEYSTONE 0549





LEGEND

- MILEPOST**

— ROUTE VARIATION (RV)

— ISSUED CENTERLINE AT TIME OF RV*

WATERBODY

COUNTY LINE

SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-03-14

**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0256-02

COUNTY:	DAKOT	DRAWN BY:	SL
STATE:	SOUTH DAKOTA	CHECKED BY:	FP
REV NO:	1	DATE:	2/14/14
A	EDUCATION	DATE:	2/14/14
PRELIMINARY			

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SOUTH DAKOTA ROUTE VARIATION - 0395-05 (2014 NAIP IMAGERY)

TransCanada
A Division of Kinder Morgan



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2015-06-15
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0395-05

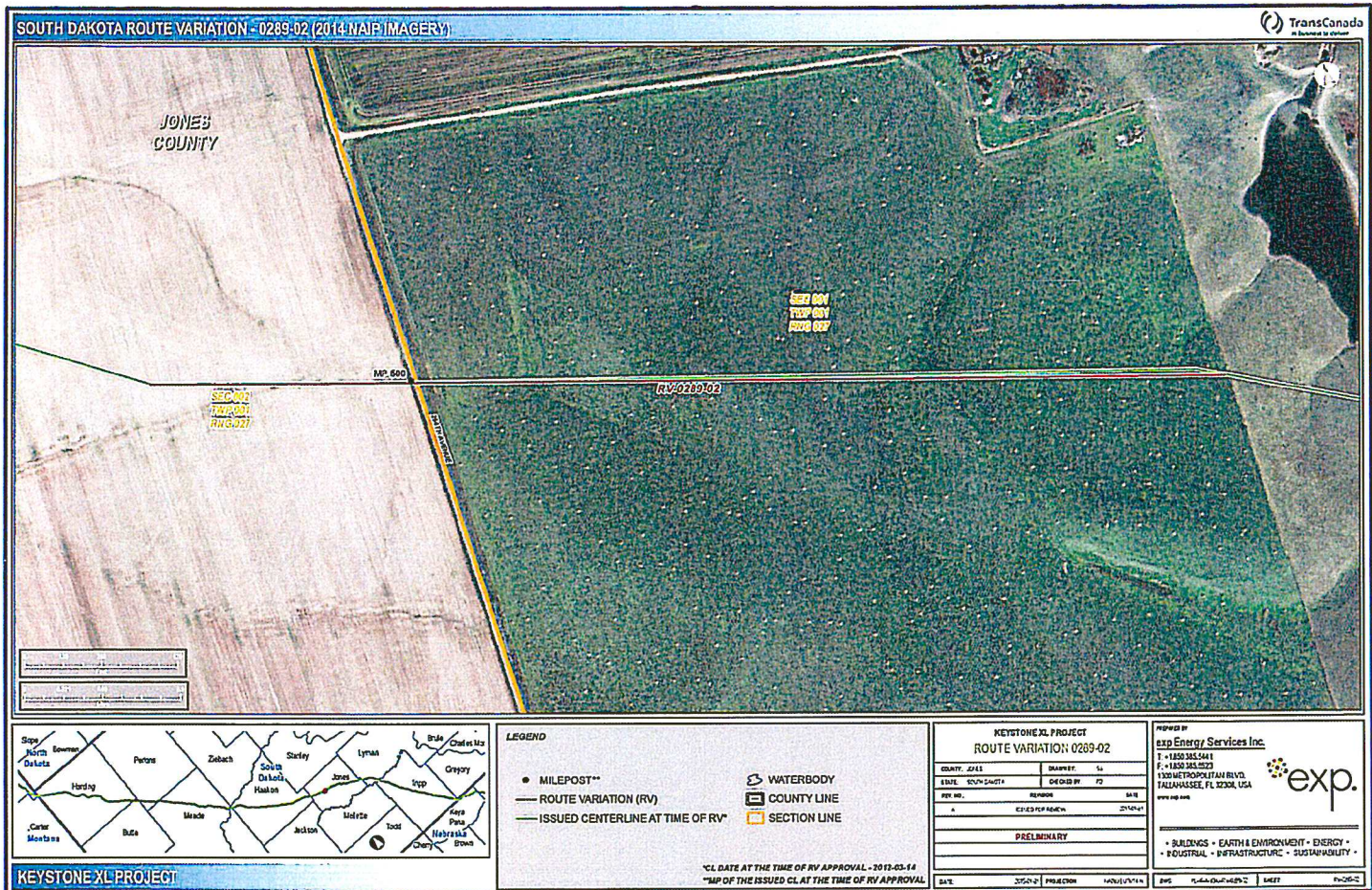
COUNTY: JONES	DRAWN BY: CL
STATE: SOUTH DAKOTA	DESIGNED BY: PS
REV NO.	REVISION
1	ISSUED FOR REVIEW
DATE: 2015-06-15	
PRELIMINARY	
DATE: 2015-06-15	PROJECT: 14781-1-001-10
DATE: 2015-06-15	DATE: 2015-06-15

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 TALLAHASSEE, FL 32308, USA

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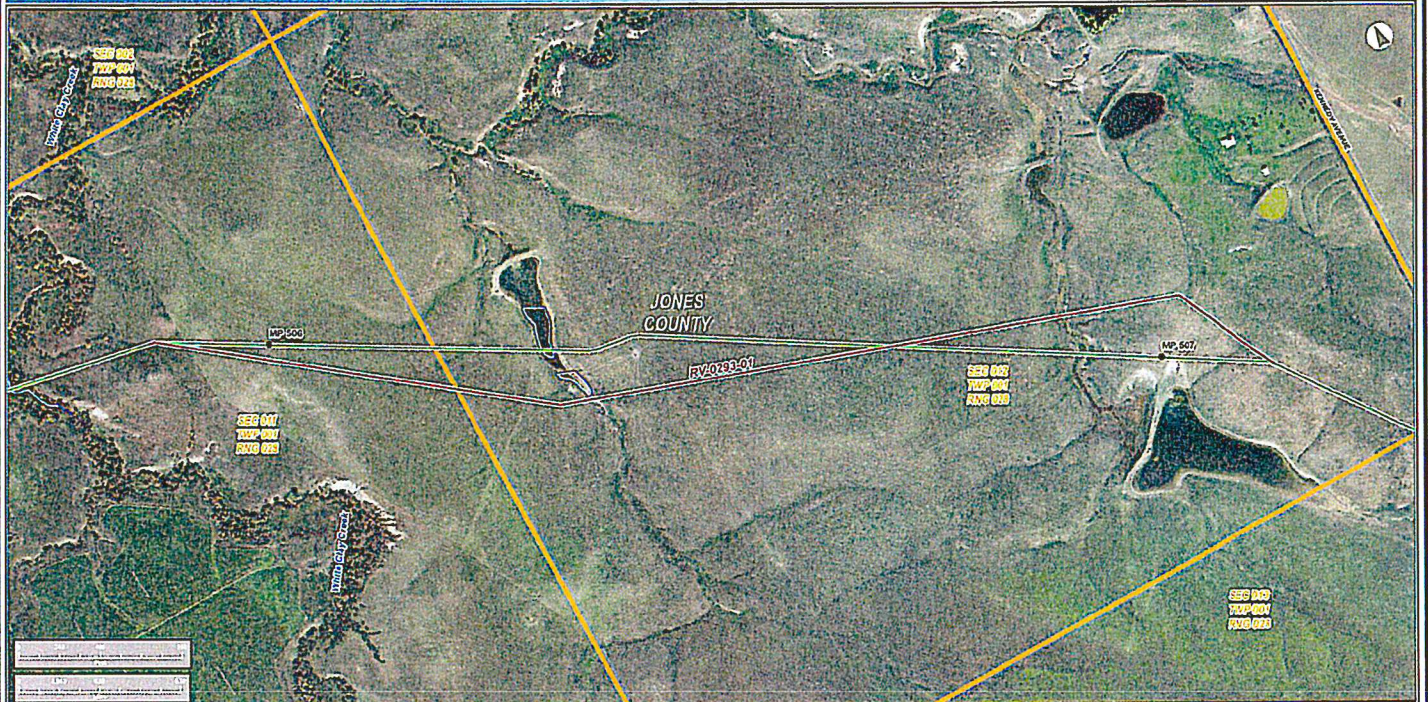
KEYSTONE XL PROJECT



KEYSTONE 0553

SOUTH DAKOTA ROUTE VARIATION - 0293-01 (2014 NAIP IMAGERY)

TransCanada
en partenariat avec



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-03-14
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0293-01

COUNTY	0293	BRIDGE BY	CS
STATE	SD	DESIGNED BY	PS
REV. NO.	1	REVISION	DATE
A	REQUEST FOR REVIEW	2013-03-14	
PRELIMINARY			

PREPARED BY
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TALLAHASSEE, FL 32308 USA
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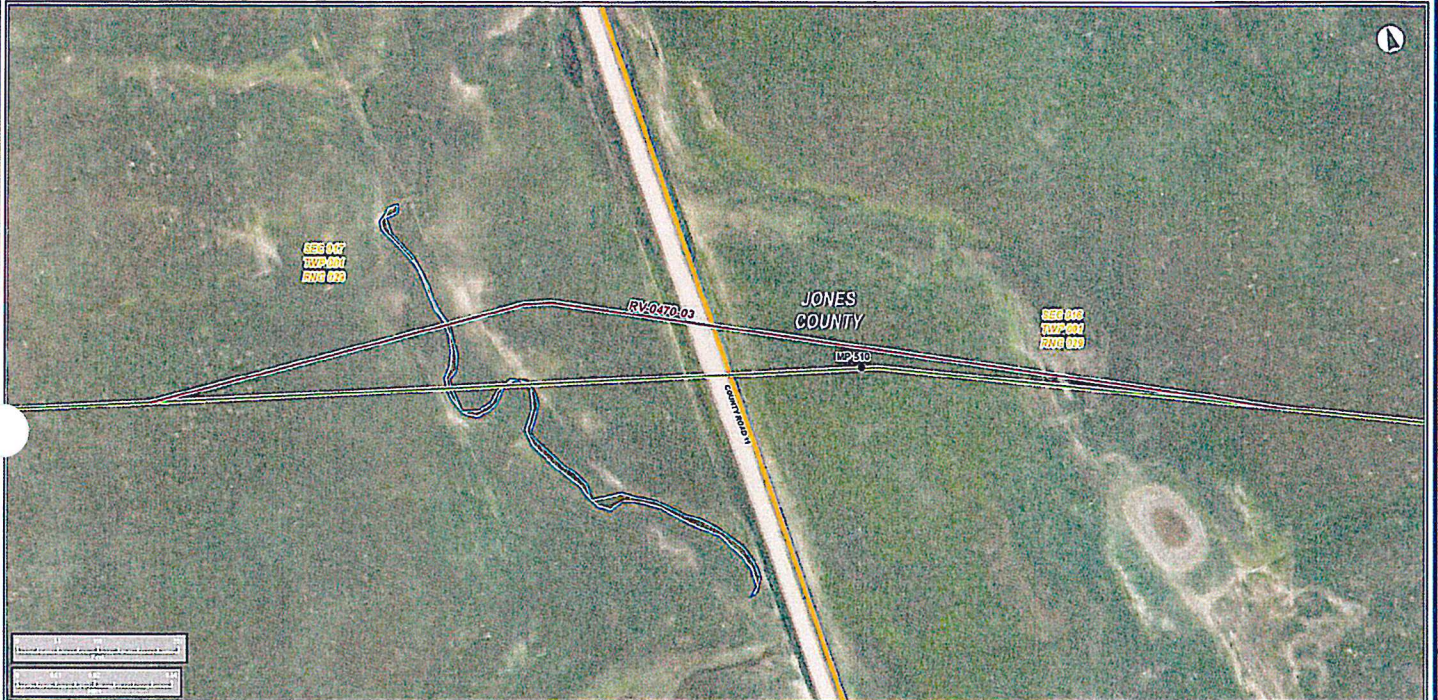


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KEYSTONE 0555

SOUTH DAKOTA ROUTE VARIATION - 0470-03 (2014 NAIP IMAGERY)

TransCanada
A Division of Enbridge



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0470-03

COUNTY: 0470	DRAWN BY: SL
STATE: SD/ND/NE/OK	CHECKED BY: PT
REV NO.	REVISION
1	ISSUED FOR REVIEW
	DATE
	2/1/2014

PRELIMINARY

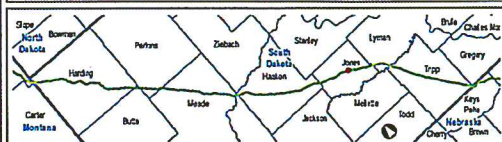
DATE: 2/1/2014 PROJECT: KEYSX0314-03 SHEET: 0556 OF 0556

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KEYSTONE XL PROJECT



 WATERBODY
 COUNTY LINE
 SECTION LINE

COUNTY: ZIESS	DRIVER BY: JG
STATE: SOUTH CAROLINA	CHARGED BY: PD
REV NO:	REVENUE DATE:
8	EXP 12 FOR 42.40 2014/11/11
PRELIMINARY	

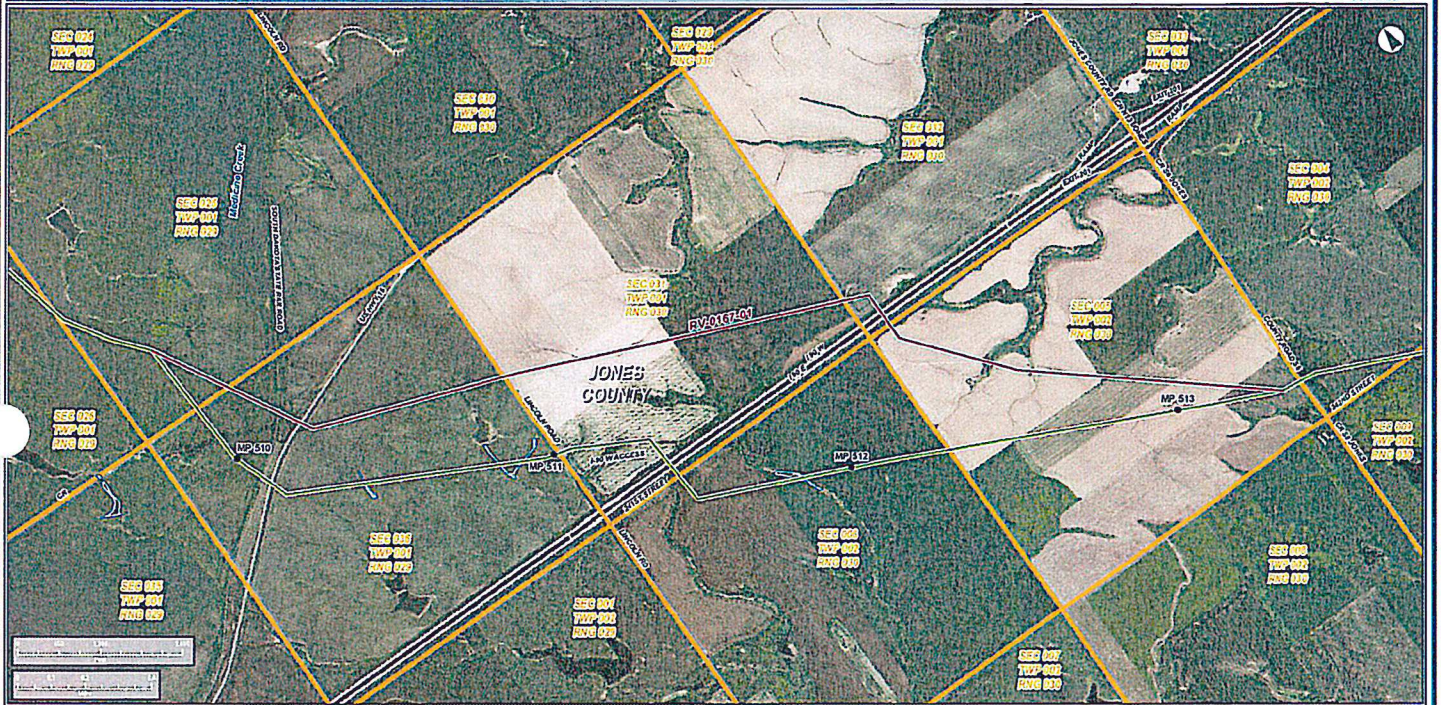
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SOUTH DAKOTA ROUTE VARIATION - 0167-01 (2014 NAIP IMAGERY)

TransCanada
Dr. Buckner to the Chief



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-03-28
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT	
ROUTE VARIATION 0167-01	
COUNTY: JONES	DRAWN BY: CL
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO:	REVISION
1	ISSUED FOR REVIEW: 2/15/2011
PRELIMINARY	
DATE:	2/15/2011 PROJECT NO: 10742/01/01

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KEYSTONE XL PROJECT

KEYSTONE 0558



KEYSTONE XL PROJECT

LEGEND

- MILEPOST**

— ROUTE VARIATION (RV)

— ISSUED CENTERLINE AT TIME OF RV*



WATERBODY



COUNTY LINE



SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11

**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0442-01

COUNTY: SD 01	DRAWN BY: JG
STATE: SOUTH DAKOTA	CHECKED BY: JG
REV NO.	REVISION
1	CREATED FOR REVIEW
	DATE
	2/14/14
	PRELIMINARY

DATE	2/14/14	PROJECT	NAH/JLV/14	DATE	2/14/14	SHEET	0442-01
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SOUTH DAKOTA ROUTE VARIATION - 0383-01 (2014 NAIP / MAGERY)

TransCanada
A member of Enbridge



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-08-15
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0383-01

COUNTY: JONES	DRAWN BY: CJ
STATE: SD/ND/NE	CHECKED BY: PJ
REV. NO.: 1	REVISION: 2013-08-15
PRELIMINARY	

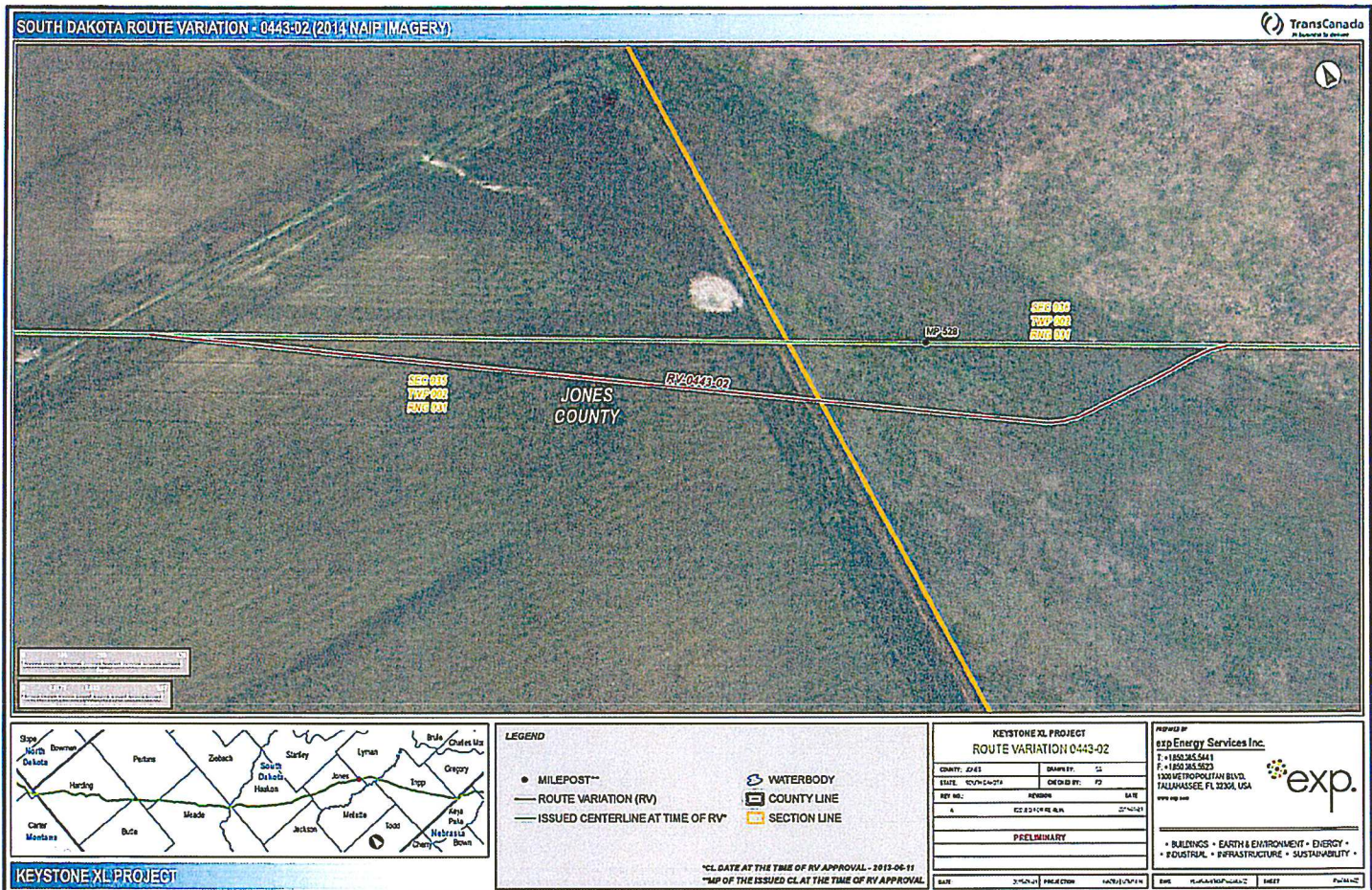
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KEYSTONE XL PROJECT

KEYSTONE 0560





SOUTH DAKOTA ROUTE VARIATION - 0199-08 (2014 NAIP IMAGERY)

TransCanada
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KEYSTONE XL PROJECT

LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-11-18
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0199-08

COUNTY: Lyman	DRAWN BY: CJ
STATE: 52°N 24°27'W	CHECKED BY: PP
REV NO: 1	REVISION
A	CL DATE AT THE TIME OF RV APPROVAL - 2010-11-18
PRELIMINARY	

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KEYSTONE 0563

SOUTH DAKOTA ROUTE VARIATION - 0443-01 (2014 NAIP IMAGERY)

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an Enbridge company



LEGEND

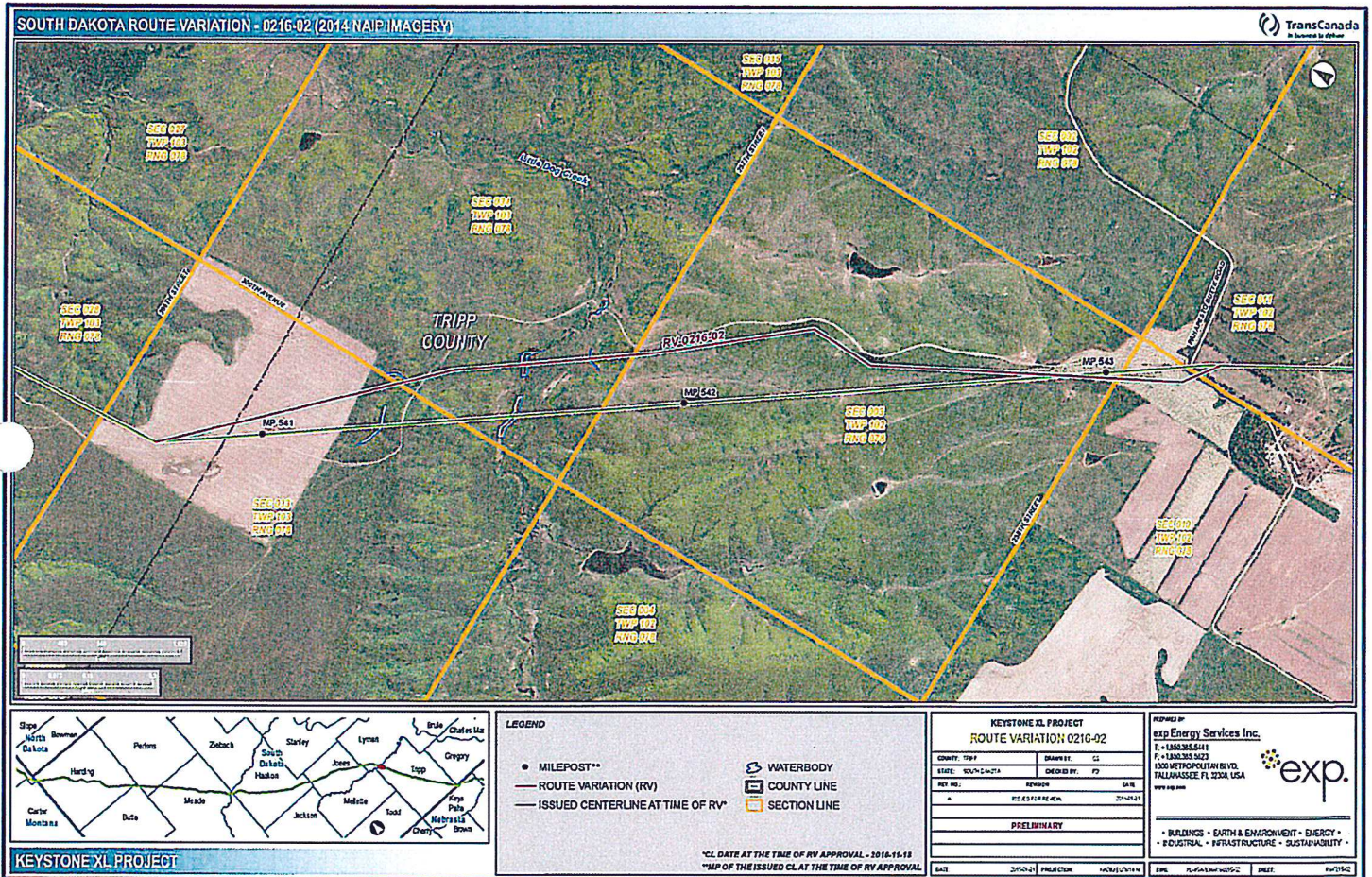
- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

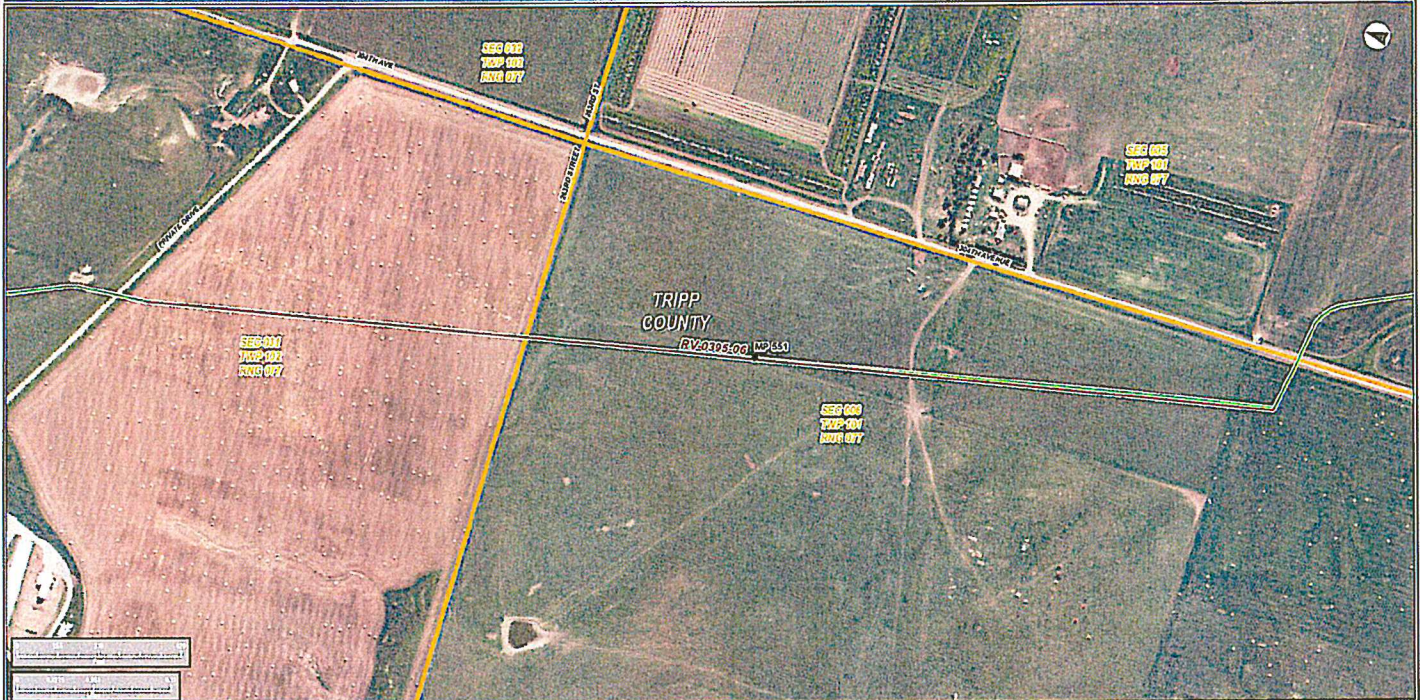
*CL DATE AT THE TIME OF RV APPROVAL - 2013-04-11
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT ROUTE VARIATION 0443-01			
COUNTY: L-1000	DRAWN BY: SL	CHECKED BY: FZ	DATE
STATE: SOUTH DAKOTA	REVISION	DATE	
REV NO:	REVISION	DATE	
PENDING FOR REVIEW			
PRELIMINARY			
DATE	2013-04-11	PROJECTOR	142013-04-11
DATE	2013-04-11	REVIEWER	142013-04-11

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KEYSTONE XL PROJECT





LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-08-15
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0395-06

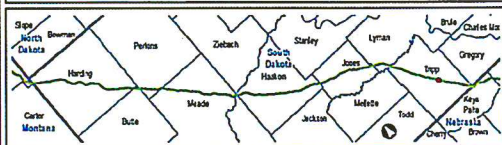
COUNTY: TRIPP	DRAWN BY: J2
STATE: SOUTH DAKOTA	CHECKED BY: PT
DATE: 2014-01-14	DATE: 2014-01-14
BY: A	FOR: 0395-06-01
PRELIMINARY	
DATE: 2014-01-14	DATE: 2014-01-14

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LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
-  WATERBODY
-  COUNTY LINE
-  SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0512-04

COUNTY. TRF#		DRAWN BY. G1	
STATE. CA 94-218		CHECKED BY. P3	
REF. NO.	REVISION	DATE	
1	EXES FOR ACQUIS	12/14/21	
PRELIMINARY			

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LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-06-11
*MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0528-01

COUNTY: TUFF	DRIVEN BY: G
STATE: SOUTH CAROLINA	DECEASED BY: PD
REV NO:	REVISION
A	ISSUED FOR REVISION
PRELIMINARY	

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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0215-04 (2014 NAIP IMAGERY)

TransCanada
a business of Enbridge



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2015-11-13
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0215-04

COUNTY: TWP	DRAWN BY: SS
STATE: SOUTH DAKOTA	CHECKED BY: JD
REV NO: 1	REVISION
A	0.2 (2.1) 1/4 1/4 1/4 1/4
PRELIMINARY	
DATE: 2015-11-13	PROJECT: 1400000000
SHEET: 001	PROJECT: 1400000000

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KEYSTONE XL PROJECT

SOUTH DAKOTA ROUTE VARIATION - 0172-01 (2014 NAIP IMAGERY)

TransCanada
AN ENERCON COMPANY



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2010-03-26
**MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0172-01

COUNTY: TRIPP	SHEET: 51
STATE: SOUTH DAKOTA	DRAWN BY: PD
REV. NO.: 1	DATE: 2/15/11
REV. NO.: 2	DATE: 2/15/11

PRELIMINARY

DATE: 2/15/11	PROJECT: 1001010101	SHEET: 51	PROJECT: 1001010101
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www.exp.com



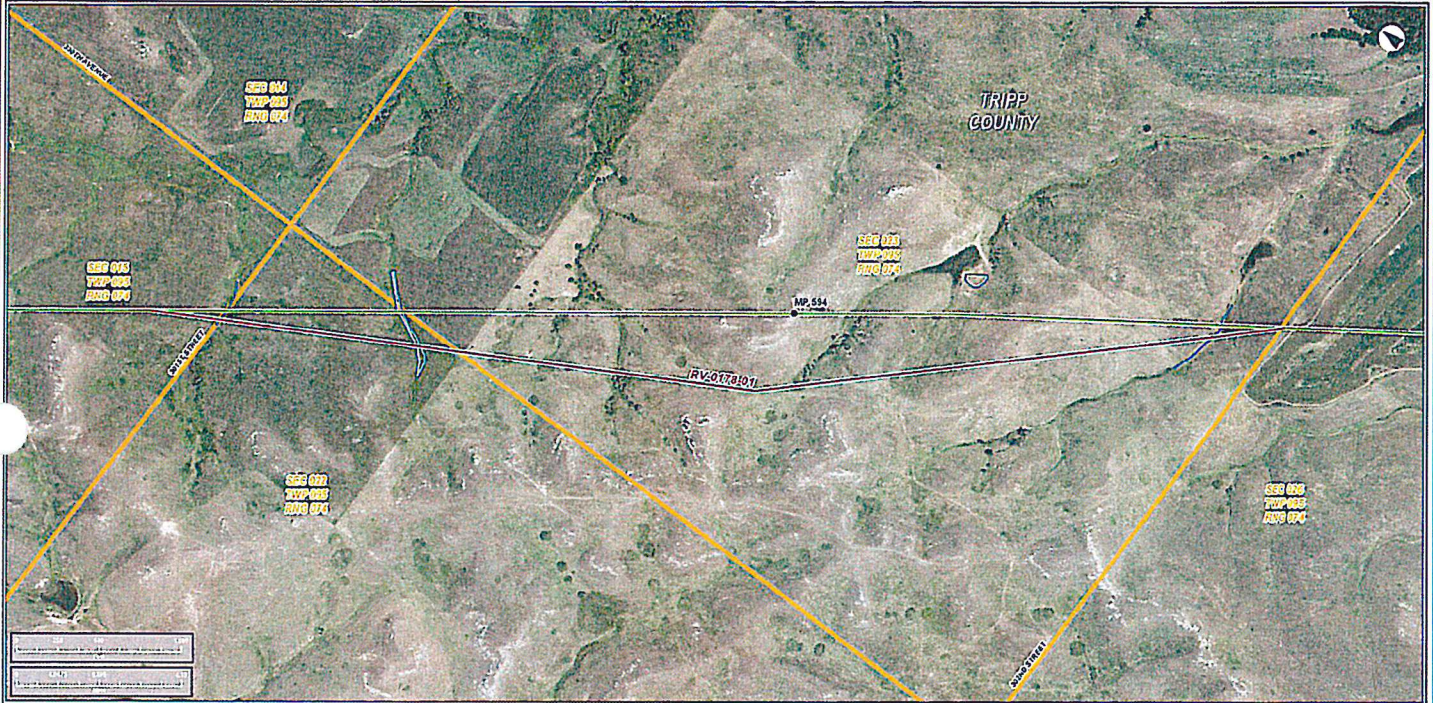
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KEYSTONE XL PROJECT

KEYSTONE 0577

SOUTH DAKOTA ROUTE VARIATION - 0178-01 (2014 NAIP IMAGERY)

TransCanada
A Division of Baker Hughes



LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 10-18-03-26
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0178-01

COUNTY: TRIPP	DRAWN BY: GJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO: 1	REVISION: 02-27-04
DATE: 02-27-04	
PRELIMINARY	
DATE: 02-27-04	PROJECT: KEYSSTONE XL
DATE: 02-27-04	PROJECT: KEYSSTONE XL

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LEGEND

- MILEPOST**
- ROUTE VARIATION (RV)
- ISSUED CENTERLINE AT TIME OF RV*
- WATERBODY
- COUNTY LINE
- SECTION LINE

*CL DATE AT THE TIME OF RV APPROVAL - 2013-08-15
 **MP OF THE ISSUED CL AT THE TIME OF RV APPROVAL

KEYSTONE XL PROJECT
ROUTE VARIATION 0395-07

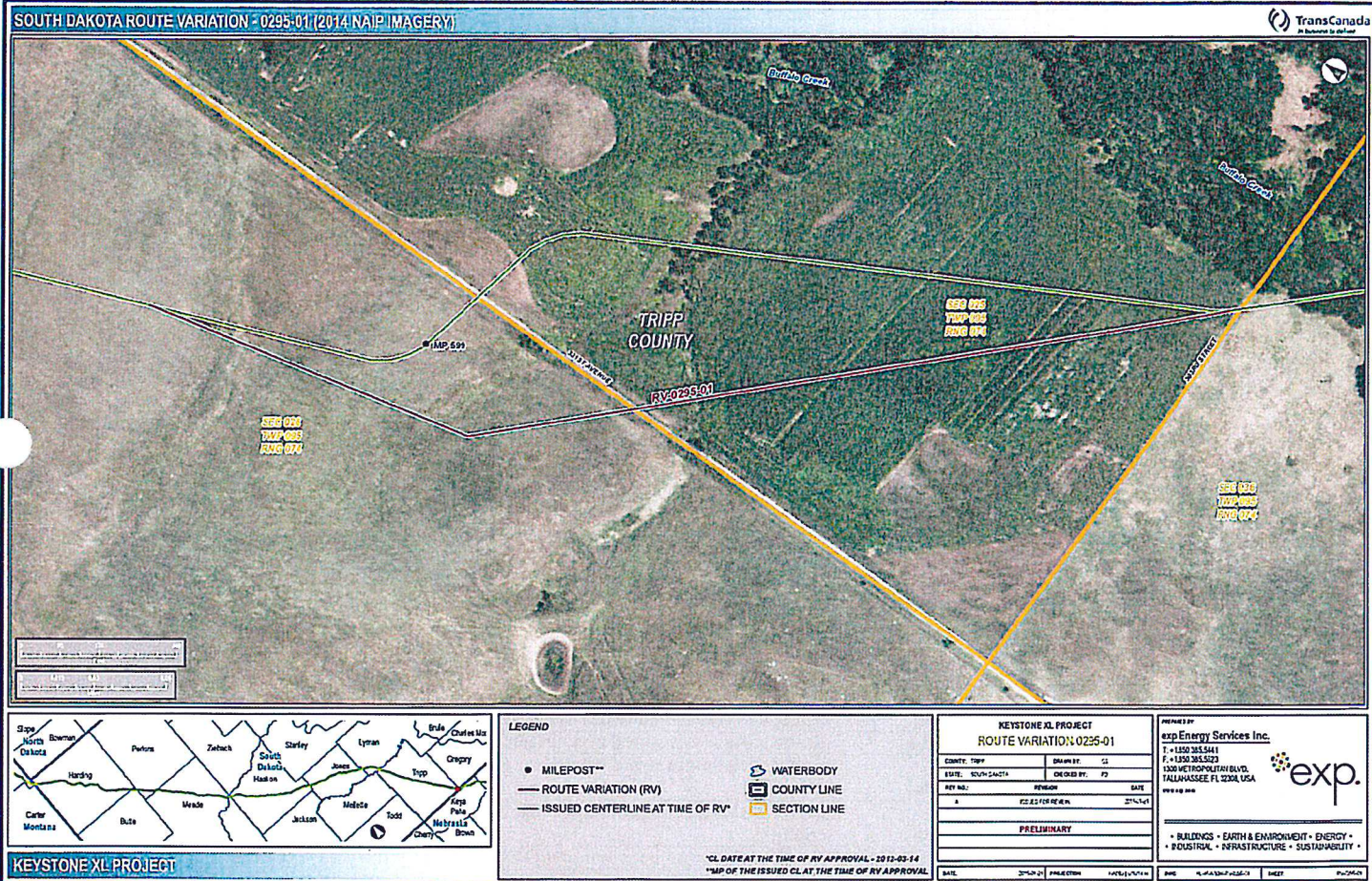
COUNTY: TRIPP	DRAWN BY: SJ
STATE: SOUTH DAKOTA	CHECKED BY: PJ
REV NO.: 1	REVISION: DATE
A	ISSUED FOR REVIEW: 2/24/14
PRELIMINARY	

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KEYSTONE XL PROJECT



South Dakota Route Variations

Route Variation Number	State	County	Reason
0166-01	SD	Harding	Route variation to minimize constructability and safety concerns with current County Road 988 crossing.
0167-01	SD	Jones	Route variation to minimize constructability and safety concerns with current Interstate 90, Hwy 16 and State Railroad crossings.
0172-01	SD	Tripp	Route variation to minimize landowner impacts and reduce crossing of varying terrain features.
0178-01	SD	Tripp	Route variation to minimize constructability and safety concerns with current Interstate 90, Hwy 16 and State Railroad crossings.
0179-01	SD	Harding	Route variation to avoid endangered species.
0181-01	SD	Haakon	Route variation to remove unnecessary points of inflection in the route and reduce the route length.
0187-01	SD	Haakon	Route variation per landowner request and to avoid crossing a pond.
0188-01	SD	Haakon	Route variation per landowner request to minimize construction impacts to a pond.
0190-01	SD	Harding	Route variation to avoid paleontological features.
0192-01	SD	Harding	Route variation to minimize multiple crossing of a waterline.
0195-01	SD	Tripp	Route variation per landowner requests to avoid a row of trees and minimize landowner impacts.
0196-01	SD	Haakon	Route variation to minimize crossing length of Hwy 73 and constructability concerns.
0199-01	SD	Perkins	Route variation to minimize multiple creek crossings.
0199-02	SD	Meade	Route variation to minimize multiple creek crossings and avoid paralling drainage feature.
0199-03	SD	Haakon	Route variation to avoid paralling drainage feature.
0199-05	SD	Haakon	Route variation to minimize creek crossings and adjust for better constructability of creek crossing.
0199-06	SD	Haakon	Route variation to avoid drainage feature and eliminate construction impacts to the levee.
0199-08	SD	Lyman	Route variation to avoid drainage features.
0199-09	SD	Tripp	Route variation to minimize multiple creek crossings.
0200-01	SD	Haakon	Route variation to minimize creek crossings, adjust for better constructability of creek crossing and minimize construction impacts to a pond.
0212-01	SD	Harding	Route variation to accommodate HDD design for the Little Missouri River.
0214-01	SD	Meade	Route variation to avoid a well and levee.
0214-02	SD	Tripp	Route variation to avoid a well and impacts to a fence.
0215-01	SD	Harding	Route variation to avoid varying terrain features.
0215-02	SD	Meade	Route variation to avoid paralling a creek.
0215-03	SD	Haakon	Route variation to avoid sudden terrain change.
0215-04	SD	Tripp	Route variation to avoid road crossing within a wetland area.
0216-01	SD	Lyman	Route variation to minimize side slope construction.
0216-02	SD	Tripp	Route variation to minimize side slope construction.
0220-01	SD	Haakon	Route variation to accommodate HDD design for the Bad River.
0224-01	SD	Meade	Route variation to minimize multiple creek crossings.
0239-01	SD	Haakon	Route variation to avoid sudden terrain change.
0252-01	SD	Meade	Route variation to avoid ridge lines, varying terrain and sudden terrain changes.
0252-02	SD	Meade	Route variation to avoid ridge lines, varying terrain and sudden terrain changes.
0252-03	SD	Haakon	Route variation to accommodate HDD design for the Cheyenne River.
0256-01	SD	Haakon	Route variation to remove unnecessary points of inflection in the route and reduce the route length.
0256-02	SD	Haakon	Route variation to accommodate a road crossing.
0256-03	SD	Jones	Route variation to minimize the route length.
0257-01	SD	Perkins	Route variation to avoid construction foot print impacts paralleling a road.
0257-02	SD	Meade	Route variation to avoid route and construction foot print impacts paralleling a road.
0258-01	SD	Harding	Route variation to avoid crossing a pond.
0260-01	SD	Haakon	Route variation to accommodate waterline crossings.
0260-02	SD	Haakon	Route variation to accommodate waterline crossings.
0260-03	SD	Haakon	Route variation to avoid construction foot print on waterline.
0260-04	SD	Haakon	Route variation to avoid crossing waterlines.
0262-01	SD	Haakon	Route variation to increase separation of route and pond spillway due to constructability and avoid potential future concerns.
0269-01	SD	Harding	Route variation to avoid cultural site.

South Dakota Route Variations

Route Variation Number	State	County	Reason
0270-01	SD	Meade	Route variation to avoid constuction foot print impacts to cattle guard and fence.
0272-01	SD	Haakon	Route variation to minimize side slope construction and varying terrain.
0279-01	SD	Jones	Route variation to remove unnecessary points of inflection in the route and reduce the route length.
0280-01	SD	Harding	Route variation to avoid varying terrain and sudden terrain changes.
0281-01	SD	Harding	Route variation to avoid side slope construction.
0282-01	SD	Harding	Route variation to minimize drainage crossings and avoid paralleling a dralnage.
0285-01	SD	Haakon	Route variation to accommodate road and creek crossings.
0286-01	SD	Haakon	Route variation to remove unnecessary points of inflection in the route, reduce the route length and better valve location.
0287-01	SD	Lyman	Route variation to accommodate road crossing and better valve location.
0289-01	SD	Haakon	Route variation to accommodate pump station design.
0289-02	SD	Jones	Route variation to accommodate pump station design.
0291-01	SD	Harding	Route variation to avoid paralleling and minimize multiple creek crossings.
0292-01	SD	Harding	Route variation to avoid paralleling a creek.
0293-01	SD	Jones	Route variation to avoid construction impacts to a pond and levee. Also, minimize varying terrain features.
0294-01	SD	Tripp	Route variation to avoid a well and construction foot print impacts to a fence surrounding a historical site.
0295-01	SD	Tripp	Route variation to avoid a drainage crossing and accommodate a road crossing.
0296-01	SD	Butte / Perkins	Route variation to avoid terrain feature.
0310-01	SD	Jones	Route variation to avoid paralleling a drainage and increase seperation at a washout at a creek crossing.
0311-01	SD	Perkins	Route variation to avoid a cultural site and accommodate a creek crossing.
0314-01	SD	Tripp	Route variation to avoid side slope construction and sudden terrain changes.
0372-01	SD	Haakon	Route variation to accommodate valve placement.
0381-01	SD	Harding	Route variation to avoid crossing a pond.
0382-01	SD	Harding	Route variation to minimize construction foot print on adjacent landowner property.
0384-01	SD	Meade	Route variation to avoid impacts to adjacent property.
0383-01	SD	Jones	Route variation to accommodate waterline crossing.
0385-01	SD	Haakon	Route variation to minimize multiple crossing of a waterline.
0395-01	SD	Harding	Route variation to accommodate pump station design.
0395-02	SD	Harding	Route variation to accommodate pump station design.
0395-03	SD	Meade	Route variation to accommodate pump station design.
0395-04	SD	Haakon	Route variation to accommodate pump station design.
0395-05	SD	Jones	Route variation to accommodate pump station design.
0395-06	SD	Tripp	Route variation to accommodate pump station design.
0395-07	SD	Tripp	Route variation to accommodate pump station design.
0413-01	SD	Harding	Route variation to avoid washouts and sudden terrain changes.
0442-01	SD	Jones	Route variation to accommodate waterline crossing.
0443-01	SD	Lyman	Route variation to avoid paralleling a creek.
0443-02	SD	Jones	Route variation to avoid paralleling a creek.
0443-04	SD	Haakon	Route variation to avoid waterbody crossing.
0443-05	SD	Jones	Route variation to avoid paralleling a creek.
0455-01	SD	Haakon	Route variation to increase parallel seperation of route and waterline.
0455-02	SD	Haakon	Route variation to increase parallel seperation of route and waterline.
0456-01	SD	Harding	Route variation to avoid an oil well.
0470-01	SD	Harding	Route variation to avoid creek crossing.
0470-02	SD	Haakon	Route variation to minimize multiple creek crossings.
0470-03	SD	Jones	Route variation to minimize multiple creek crossings.
0470-04	SD	Perkins	Route variation to avoid paralleling a creek.
0470-05	SD	Perkins	Route variation to avoid paralleling a creek.
0470-06	SD	Meade	Route variation to accommodate creek crossing.
0470-07	SD	Meade	Route variation to avoid a pond.
0470-09	SD	Perkins	Route variation to avoid ravine.
0470-10	SD	Perkins	Route variation to avoid paralleling a creek.

South Dakota Route Variations

Route Variation Number	State	County	Reason
0478-01	SD	Meade	Route variation to accommodate road crossing.
0491-01	SD	Meade	Route variation to avoid drainage.
0497-01	SD	Haakon	Route variation to accommodate road crossing.
0512-01	SD	Meade	Route variation to avoid any well impacts.
0512-02	SD	Meade	Route variation to avoid any well impacts.
0512-03	SD	Tripp	Route variation to avoid any well impacts.
0512-04	SD	Tripp	Route variation to avoid any well impacts.
0514-01	SD	Butte	Route variation to avoid cultural site.
0515-01	SD	Harding	Route variation to avoid cultural site.
0527-01	SD	Harding	Route variation to avoid cultural site.
0527-02	SD	Perkins	Route variation to avoid cultural site.
0528-01	SD	Tripp	Route variation to avoid swampy low lying area near a pond.
0543-01	SD	various	Route variation to accommodate HDD designs.