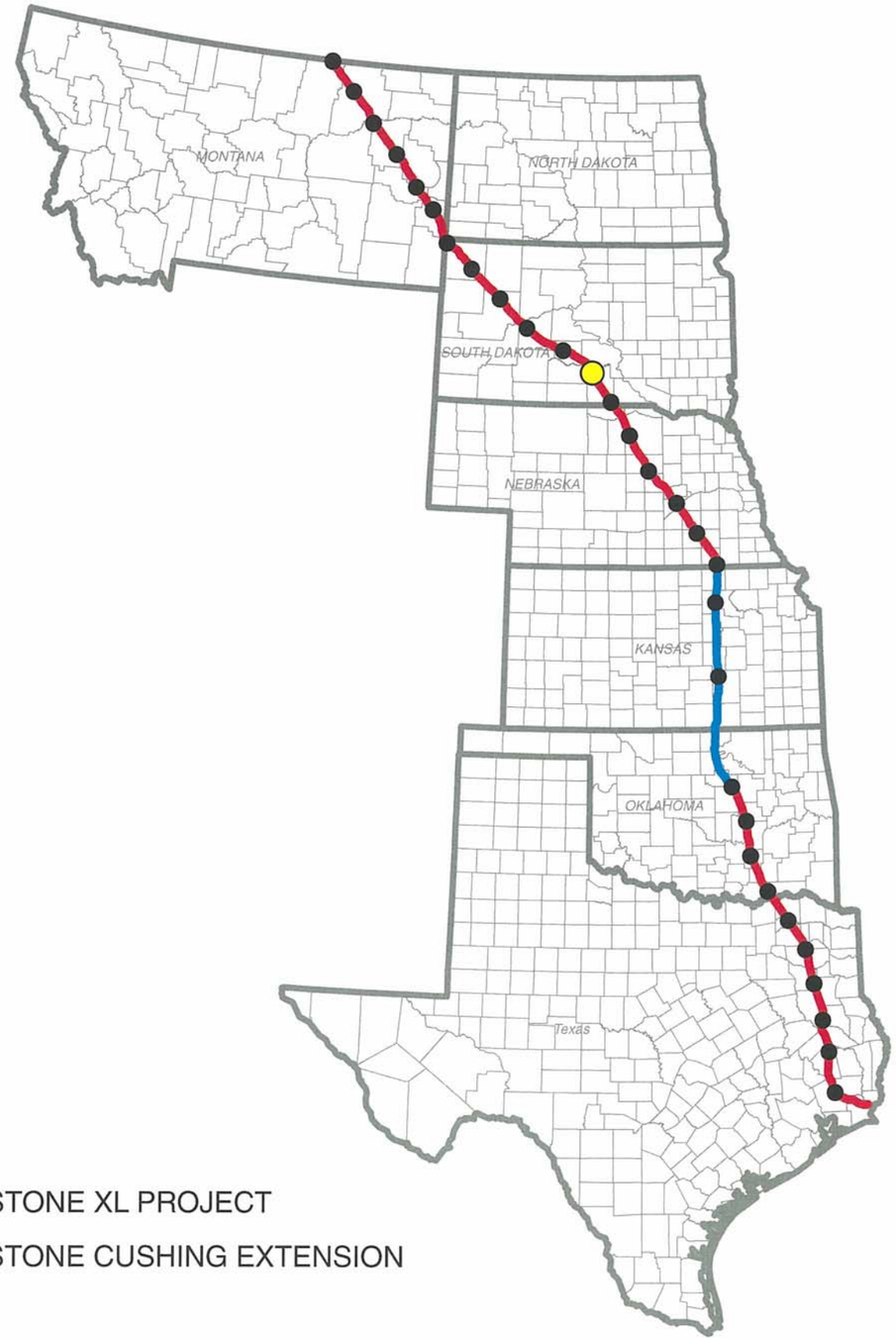

KEYSTONE XL PROJECT

KEYSTONE CUSHING EXTENSION

N
W E
S

TROW ENGINEERING CONSULTANTS, INC.
JULY 6, 2009
REVISION 1

TransCanada Keystone Pipeline, L.P.
United States Department of State
Keystone XL Project
Appendix B
Powerline Aerial and
USGS Route Sheets
PS-20

2/15/09 CENTERLINE

PREPARED BY:
TROW ENGINEERING CONSULTANTS INC.
1300 Metropolitan Boulevard, Suite 200
Tallahassee, Florida , USA 32308
Phone: 1-850-385-5441
Fax: 1-850-385-5523
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DRAWING NUMBER	DRAWN BY	CHECKED BY	APPROVED BY
XL-FIPS-ML-2003-P-000	GS	SS	RG

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KEYSTONE XL PROJECT
ROUTE SHEETS

MAP PARAMETERS
PROJECTION: NAD83, UTM: 14N
NTS

PROJECT: 50388X

SHEET: COVER SHEET

SEC 33 102N 77W
SEC 4 101N 77W
SEC 9 101N 77W
SEC 16 101N 77W
SEC 21 101N 77W
SEC 28 101N 77W
SEC 32 102N 77W
SEC 5 101N 77W
SEC 8 101N 77W
SEC 17 101N 77W
SEC 20 101N 77W
SEC 29 101N 77W
SEC 32 101N 77W
SEC 31 102N 77W
SEC 6 101N 77W
SEC 7 101N 77W
SEC 18 101N 77W
SEC 19 101N 77W
SEC 30 101N 77W
SEC 31 101N 77W
SEC 36 102N 78W
SEC 1 101N 78W
SEC 12 101N 78W
SEC 13 101N 78W
SEC 24 101N 78W
SEC 25 101N 78W
SEC 36 101N 78W

263rd St
265th St
267th St
268th St
305th Ave
304th Ave
264th St
CR 6140

MP 549
MP 548
MP 547
MP 546
MP 15
MP 14
MP 13
MP 12
MP 11

Tripp County
PS-20 Winner

SEE SHEET - 01
SEE SHEET - 02

Cottonwood Creek
Cottonwood Creek
Cottonwood Creek
Cottonwood Creek

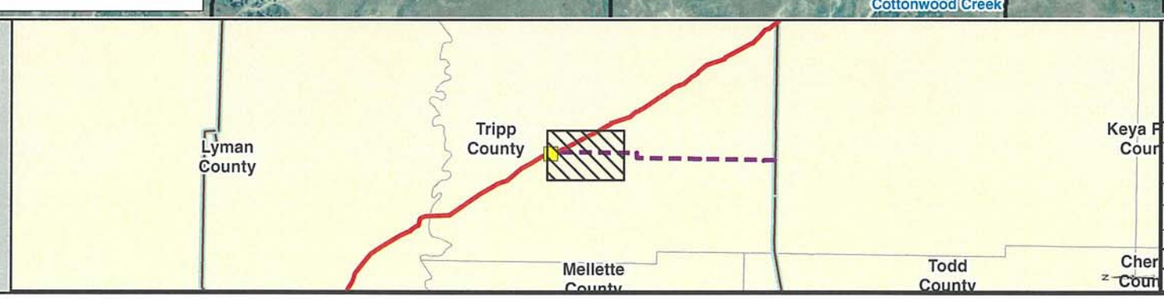
0 1,000 2,000 4,000 6,000 8,000
Feet

2/15/09 CENTERLINE
2008 AERIALS

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
- Section Line

Electric Lines
Voltage
- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
PS-20

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

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AH	SS	RG	50388X	XL- 46-ML-2003-P- 20-01 -A	01 of 03	1

SEC 33
102N 77W

SEC 4
101N 77W

SEC 9
101N 77W

SEC 16
101N 77W

SEC 21
101N 77W

SEC 28
101N 77W

MP 549

MP 548

SEC 32
102N 77W

SEC 5
101N 77W

SEC 8
101N 77W

SEC 17
101N 77W

SEC 20
101N 77W

SEC 29
101N 77W

SEE SHEET - 01

SEE SHEET - 02

SEC 32
101N 77W

MP 547

MP 546

Tripp
County

PS-20
Winner

MP 15

MP 14

MP 13

MP 12

MP 11

SEC 31
102N 77W

SEC 6
101N 77W

SEC 7
101N 77W

SEC 18
101N 77W

SEC 19
101N 77W

SEC 30
101N 77W

SEC 31
101N 77W

SEC 36
102N 78W

SEC 1
101N 78W

SEC 12
101N 78W

SEC 13
101N 78W

SEC 24
101N 78W

SEC 25
101N 78W

SEC 36
101N 78W

Cottonwood Creek

0 1,000 2,000 4,000 6,000 8,000
Feet

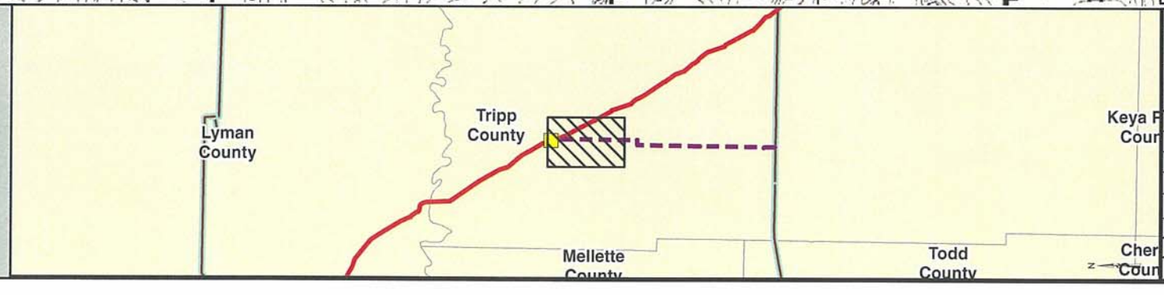
2/15/09 CENTERLINE

N E S W

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
- Section Line

Electric Lines
Voltage
- Below 230kV
- 230kV - 344kV
- 345kV - 499kV
- 500kV - 734kV
- 735kV - 999kV
- AC-DC-AC Tie
- DC



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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
PS-20

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL- 46-ML-2003-P- 20-01 -Q	01 of 03	1

SEC 28 101N 77W
SEC 33 101N 77W
SEC 10 100N 78W
SEC 15 100N 78W
SEC 22 100N 78W
SEC 27 100N 78W
SEC 34 100N 78W
SEC 29 101N 77W
SEC 32 101N 77W
SEC 9 100N 78W
SEC 16 100N 78W
SEC 21 100N 78W
SEC 28 100N 78W
SEC 33 100N 78W
SEC 30 101N 77W
SEC 31 101N 77W
SEC 8 100N 78W
SEC 17 100N 78W
SEC 20 100N 78W
SEC 29 100N 78W
SEC 32 100N 78W
SEC 25 101N 78W
SEC 36 101N 78W
SEC 7 100N 78W
SEC 18 100N 78W
SEC 19 100N 78W
SEC 30 100N 78W
SEC 31 100N 78W

305th Ave
304th Ave
302nd Ave
266th St
269th St
270th St
271st St
272nd St
273rd St
274th St
SR 44
Cottonwood Creek
East Cottonwood Creek
West Cottonwood Creek
Witten Dam Reservoir
A St
B St
C St
D St
E St
Main St
1st St
2nd St
3rd St
4th St

SEE SHEET - 01
SEE SHEET - 02
SEE SHEET - 03

MP 11
MP 10
MP 9
MP 8
MP 7
MP 6
MP 5

Tripp County

0 1,000 2,000 4,000 6,000 8,000
Feet

2/15/09 CENTERLINE
2008 AERIALS

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
- Section Line

Electric Lines
Voltage
- Below 230kV
- 230kV - 344kV
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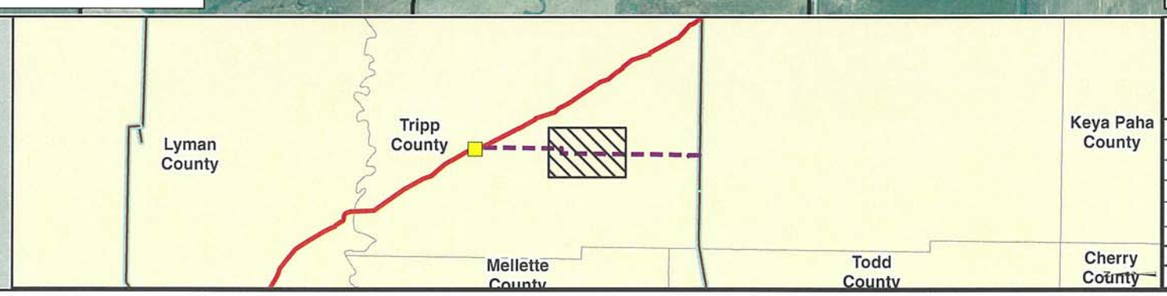

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
PS-20

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
SCALE: 1:24000 ; 1"=2000'

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT:	DRAWING NUMBER	SHEET	REV.
AH	SS	RG	50388X	XL- 46-ML-2003-P- 20-02 -A	02 of 03	1

SEC 28 101N 77W
SEC 33 101N 77W
SEC 10 100N 78W
SEC 15 100N 78W
SEC 22 100N 78W
SEC 27 100N 78W
SEC 34 100N 78W
SEC 99N 78
SEE SHEET - 01
SEE SHEET - 02
SEC 29 101N 77W
SEC 32 101N 77W
SEC 9 100N 78W
SEC 16 100N 78W
SEC 21 100N 78W
SEC 28 100N 78W
SEC 33 100N 78W
Witten
SEE SHEET - 02
SEE SHEET - 03
SEC 99N 78
MP 11
MP 10
Tripp County
Cottonwood
St John the Baptist Cem
MP 9
MP 8
MP 7
MP 6
MP 5
SEC 30 101N 77W
SEC 31 101N 77W
SEC 8 100N 78W
SEC 17 100N 78W
SEC 20 100N 78W
SEC 29 100N 78W
SEC 32 100N 78W
SEC 99N 78
Creek
SEC 25 101N 78W
SEC 36 101N 78W
SEC 7 100N 78W
SEC 18 100N 78W
SEC 19 100N 78W
SEC 30 100N 78W
SEC 31 100N 78W
SEC 99N 78
0 1,000 2,000 4,000 6,000 8,000
Feet
2/15/09 CENTERLINE

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
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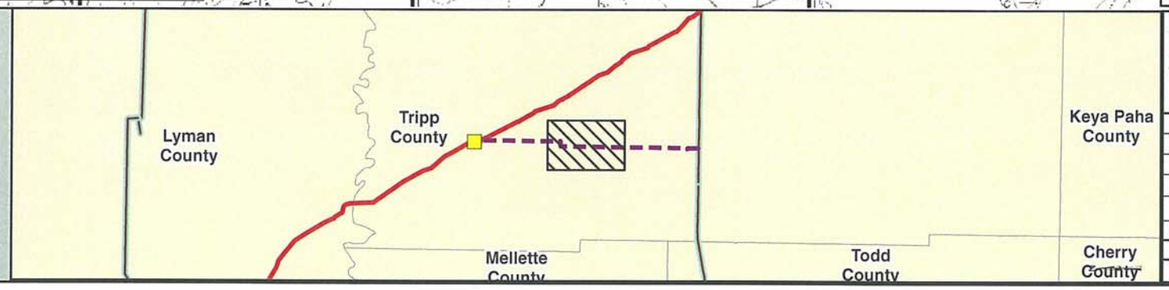

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
PS-20

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
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AH	SS	RG	50388X	XL- 46-ML-2003-P- 20-02 -Q	02 of 03	1

East Cottonwood Creek

SEC 34 100N 78W | SEC 3 99N 78W | SEC 10 99N 78W | SEC 15 99N 78W | SEC 22 99N 78W | SEC 27 99N 78W | SEC 34 99N 78W

N E S W

305th Ave

Witten Dam Reservoir

SEE SHEET - 02

SEE SHEET - 03

SEC 33 100N 78W | SEC 4 99N 78W | SEC 9 99N 78W | SEC 16 99N 78W | SEC 21 99N 78W | SEC 28 99N 78W | SEC 33 99N 78W

A St | B St | B St | Main St | C St | D St | E St | 3rd St | 2nd St | 3rd St

West Cottonwood Creek

Tripp County

115kV

304th Ave | 274th St | 275th St | East Cottonwood Creek | 304th Ave | 279th St

MP 5 | MP 4 | MP 3 | MP 2 | MP 1 | MP 0

SEC 32 100N 78W | SEC 5 99N 78W | SEC 8 99N 78W | SEC 17 99N 78W | SEC 20 99N 78W | SEC 29 99N 78W | SEC 32 99N 78W

276th St | US 18 | 278th St

303rd Ave

SEC 31 100N 78W | SEC 6 99N 78W | SEC 7 99N 78W | SEC 18 99N 78W | SEC 19 99N 78W | SEC 30 99N 78W | SEC 31 99N 78W

0 1,000 2,000 4,000 6,000 8,000
Feet

2/15/09 CENTERLINE
2008 AERIALS

West Cottonwood Creek

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
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- County Line
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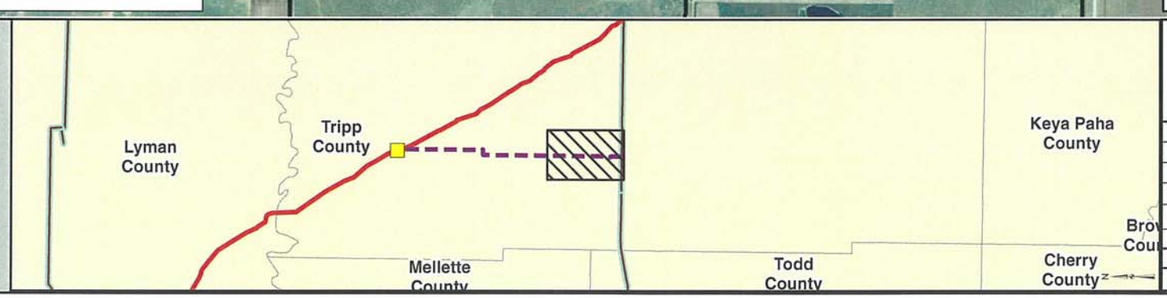

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KEYSTONE XL PROJECT
TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
PS-20

MAP PARAMETERS
PROJECTION: NAD83, UTM:14N
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SEC 34
100N 78W

SEC 3
99N 78W

SEC 10
99N 78W

SEC 15
99N 78W

SEC 22
99N 78W

SEC 27
99N 78W

SEC 34
78W

SEC 33
100N-78W

Witten

SEE SHEET - 02

SEE SHEET - 03

SEC 4
99N-78W

SEC 9
99N 78W

SEC 16
99N-78W

SEC 21
99N-78W

SEC 28
99N-78W

SEC 33
99N-78W

Tripp
County

115kV

MP 5

MP 4

MP 3

MP 2

MP 1

MP 0

SEC 32
100N 78W

SEC 5
99N-78W

SEC 8
99N 78W

SEC 17
99N 78W

SEC 20
99N-78W

SEC 29
99N-78W

SEC 32
99N-78W

SEC 31
100N 78W

SEC 6
99N 78W

SEC 7
99N 78W

SEC 18
99N 78W

SEC 19
99N 78W

SEC 30
99N-78W

SEC 31
99N 78W

0 1,000 2,000 4,000 6,000 8,000
Feet

2/15/09 CENTERLINE

Legend

- Milepost
- Keystone XL Project
- Transmission Supply Line Route
- Pump Station
- County Line
- Section Line

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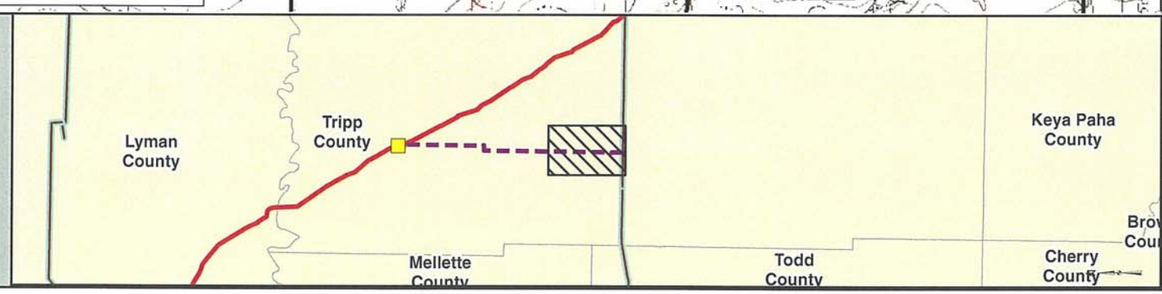

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TRANSMISSION SUPPLY LINE ROUTE MAP
TRIPP COUNTY, SOUTH DAKOTA
PS-20

MAP PARAMETERS
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