



PROJECT REG - Yankton County, SD - FY17

COMM. NO. 60550589 DATE 29-Nov-2017 CALC BY AECOM CHK BY AECOM

TYPE Bridge Survey Reports PREL. FINAL SHEET

CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_BC_01

Stream Name: Beaver Creek

Stream Station: 0

Hydraulic Length: 26.00

Optional Data

Road Name: SW Jim River Rd

Comments: Rail Equals 2.2

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,175.42

Top of Road Elevation: 1,175.52

Backsight: 5.30

Structure Conditions:

Unknown

TOR 5.20

Bridge Data

Upstream Invert Elevation: 1,166.52

Channel Bank Elevation: 1,172.72

Channel Top Width: 30.00

Channel Bottom Width: 20.00

Deck Thickness: 2.00

Top Width: 27.00

Toe Width: 27.00

Number of Piers: 0

Pier Width: 0.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_01

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 10.00

Optional Data

Road Name: Footbridge

Comments: Rail Equals 5

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,182.48

Top of Road Elevation: 1,181.98

Backsight: 4.90

Structure Conditions:

Unknown

TOR 5.40

Bridge Data

Upstream Invert Elevation: 1,158.38

Channel Bank Elevation: 1,171.38

Channel Top Width: 50.00

Channel Bottom Width: 20.00

Deck Thickness: 2.50

Top Width: 111.00

Toe Width: 40.00

Number of Piers: 6

Pier Width: 1.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_01.3

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 2.00

Optional Data

Road Name: Pipeline

Comments: Steel

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,182.48

Top of Road Elevation: 1,169.58

Backsight: 4.90

Structure Conditions:

Unknown

TOR 17.80

Bridge Data

Upstream Invert Elevation: 1,159.88

Channel Bank Elevation: 1,171.38

Channel Top Width: 50.00

Channel Bottom Width: 20.00

Deck Thickness: 2.00

Top Width: 100.00

Toe Width: 40.00

Number of Piers: 2

Pier Width: 1.50



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_02

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 65.00

Optional Data

Road Name: State Hwy 50

Comments: Rail Equals 4

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,185.51

Top of Road Elevation: 1,185.41

Backsight: 5.20

Structure Conditions:

Unknown

TOR 5.30

Bridge Data

Upstream Invert Elevation: 1,163.41

Channel Bank Elevation: 1,172.61

Channel Top Width: 40.00

Channel Bottom Width: 15.00

Deck Thickness: 1.70

Top Width: 111.00

Toe Width: 54.00

Number of Piers: 2

Pier Width: 2.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_03

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 57.00

Optional Data

Road Name: Burleigh St

Comments: Rail Equals 5

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,189.04

Top of Road Elevation: 1,188.94

Backsight: 5.90

Structure Conditions:

Unknown

TOR 6.00

Bridge Data

Upstream Invert Elevation: 1,168.84

Channel Bank Elevation: 1,181.64

Channel Top Width: 60.00

Channel Bottom Width: 10.00

Deck Thickness: 1.30

Top Width: 38.00

Toe Width: 38.00

Number of Piers: 0

Pier Width: 0.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_06

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 7.00

Optional Data

Road Name: Footbridge

Comments: Rail Equals 5

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,194.45

Top of Road Elevation: 1,196.35

Backsight: 5.20

Structure Conditions:

Unknown

TOR 3.30

Bridge Data

Upstream Invert Elevation: 1,179.45

Channel Bank Elevation: 1,196.35

Channel Top Width: 100.00

Channel Bottom Width: 20.00

Deck Thickness: 0.50

Top Width: 95.00

Toe Width: 52.00

Number of Piers: 0

Pier Width: 0.00



Looking At: UPSTREAM FACE



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CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_07.2

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 6.50

Optional Data

Road Name: Footpath

Comments: Rail Equals 3.5

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,196.66

Top of Road Elevation: 1,196.66

Backsight: 4.90

Structure Conditions:

Unknown

TOR 4.90

Bridge Data

Upstream Invert Elevation: 1,181.46

Channel Bank Elevation: 1,190.46

Channel Top Width: 36.00

Channel Bottom Width: 23.00

Deck Thickness: 1.00

Top Width: 58.00

Toe Width: 23.00

Number of Piers: 2

Pier Width: 0.80



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_09

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 51.00

Optional Data

Road Name: Capitol St

Comments: Rail Equals 5

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,197.66

Top of Road Elevation: 1,197.86

Backsight: 6.20

Structure Conditions:

Unknown

TOR 6.00

Bridge Data

Upstream Invert Elevation: 1,182.76

Channel Bank Elevation: 1,189.46

Channel Top Width: 30.00

Channel Bottom Width: 10.00

Deck Thickness: 1.70

Top Width: 63.00

Toe Width: 63.00

Number of Piers: 1

Pier Width: 1.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_10

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 78.00

Optional Data

Road Name: Douglas Ave

Comments: Rail Equals 5

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,199.54

Top of Road Elevation: 1,200.04

Backsight: 5.90

Structure Conditions:

Unknown

TOR 5.40

Bridge Data

Upstream Invert Elevation: 1,183.74

Channel Bank Elevation: 1,192.94

Channel Top Width: 40.00

Channel Bottom Width: 14.00

Deck Thickness: 2.00

Top Width: 50.00

Toe Width: 50.00

Number of Piers: 0

Pier Width: 0.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_11

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 5.00

Optional Data

Road Name: Footbridge

Comments: Rail Equals 4

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,201.42

Top of Road Elevation: 1,199.82

Backsight: 3.60

Structure Conditions:

Unknown

TOR 5.20

Bridge Data

Upstream Invert Elevation: 1,186.62

Channel Bank Elevation: 1,193.72

Channel Top Width: 41.00

Channel Bottom Width: 20.00

Deck Thickness: 1.40

Top Width: 118.00

Toe Width: 54.00

Number of Piers: 2

Pier Width: 1.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_12

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 50.00

Optional Data

Road Name: Walnut St

Comments: Rail Equals 5

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,200.21

Top of Road Elevation: 1,200.41

Backsight: 5.80

Structure Conditions:

Unknown

TOR 5.60

Bridge Data

Upstream Invert Elevation: 1,186.81

Channel Bank Elevation: 1,199.31

Channel Top Width: 43.00

Channel Bottom Width: 18.00

Deck Thickness: 2.00

Top Width: 50.00

Toe Width: 50.00

Number of Piers: 0

Pier Width: 0.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_13

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 76.00

Optional Data

Road Name: Cedar St

Comments: Rail Equals 4

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,200.93

Top of Road Elevation: 1,201.63

Backsight: 5.70

Structure Conditions:

Unknown

TOR 5.00

Bridge Data

Upstream Invert Elevation: 1,187.63

Channel Bank Elevation: 1,193.63

Channel Top Width: 20.00

Channel Bottom Width: 10.00

Deck Thickness: 1.40

Top Width: 97.00

Toe Width: 97.00

Number of Piers: 2

Pier Width: 0.80



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_14

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 103.00

Optional Data

Road Name: Broadway St

Comments: Rail Equals 4

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,203.03

Top of Road Elevation: 1,203.43

Backsight: 6.40

Structure Conditions:

Unknown

TOR 6.00

Bridge Data

Upstream Invert Elevation: 1,191.33

Channel Bank Elevation: 1,203.43

Channel Top Width: 40.00

Channel Bottom Width: 10.00

Deck Thickness: 1.00

Top Width: 113.00

Toe Width: 67.00

Number of Piers: 2

Pier Width: 2.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_17

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 18.00

Optional Data

Road Name: Footbridge

Comments: Rail Equals 6

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,211.28

Top of Road Elevation: 1,210.08

Backsight: 4.00

Structure Conditions:

Unknown

TOR 5.20

Bridge Data

Upstream Invert Elevation: 1,199.78

Channel Bank Elevation: 1,207.78

Channel Top Width: 40.00

Channel Bottom Width: 13.00

Deck Thickness: 0.90

Top Width: 58.00

Toe Width: 40.00

Number of Piers: 0

Pier Width: 0.00



Looking At: DOWNSTREAM FACE



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CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_18

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 56.00

Optional Data

Road Name: W 15th St

Comments: Rail Equals 4

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,212.79

Top of Road Elevation: 1,207.39

Backsight: 0.00

Structure Conditions:

Unknown

TOR 5.40

Bridge Data

Upstream Invert Elevation: 1,193.59

Channel Bank Elevation: 1,197.59

Channel Top Width: 15.00

Channel Bottom Width: 8.00

Deck Thickness: 1.30

Top Width: 100.00

Toe Width: 63.00

Number of Piers: 2

Pier Width: 3.00



Looking At: UPSTREAM FACE



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CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_19

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 12.00

Optional Data

Road Name: Railroad

Comments: Rail Equals .7

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,211.00

Top of Road Elevation: 1,216.30

Backsight: 10.50

Structure Conditions:

Unknown

TOR 5.20

Bridge Data

Upstream Invert Elevation: 1,202.10

Channel Bank Elevation: 1,206.10

Channel Top Width: 20.00

Channel Bottom Width: 8.00

Deck Thickness: 2.10

Top Width: 108.00

Toe Width: 78.00

Number of Piers: 6

Pier Width: 1.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_20

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 50.00

Optional Data

Road Name: Locust St

Comments: Rail Equals 5

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,214.78

Top of Road Elevation: 1,215.08

Backsight: 6.10

Structure Conditions: Unknown

TOR 5.80

Bridge Data

Upstream Invert Elevation: 1,202.68

Channel Bank Elevation: 1,205.78

Channel Top Width: 25.00

Channel Bottom Width: 10.00

Deck Thickness: 2.70

Top Width: 50.00

Toe Width: 40.00

Number of Piers: 0

Pier Width: 0.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_22

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 39.00

Optional Data

Road Name: State Hwy 50

Comments: Rail Equals 2.3

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,218.42

Top of Road Elevation: 1,219.82

Backsight: 6.40

Structure Conditions:

Unknown

TOR 5.00

Bridge Data

Upstream Invert Elevation: 1,207.42

Channel Bank Elevation: 1,218.52

Channel Top Width: 33.00

Channel Bottom Width: 13.00

Deck Thickness: 1.80

Top Width: 37.00

Toe Width: 37.00

Number of Piers: 0

Pier Width: 0.00



Looking At: UPSTREAM FACE



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CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_27

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 43.00

Optional Data

Road Name: W 23rd St

Comments: Rail Equals 2.3

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,222.60

Top of Road Elevation: 1,223.00

Backsight: 5.10

Structure Conditions:

Unknown

TOR 4.70

Bridge Data

Upstream Invert Elevation: 1,212.70

Channel Bank Elevation: 1,217.10

Channel Top Width: 22.00

Channel Bottom Width: 13.00

Deck Thickness: 2.00

Top Width: 38.00

Toe Width: 38.00

Number of Piers: 0

Pier Width: 0.00



Looking At: UPSTREAM FACE



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CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MC_29

Stream Name: Marne Creek

Stream Station: 0

Hydraulic Length: 10.00

Optional Data

Road Name: Railroad

Comments: Rail Equals .7

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,236.78

Top of Road Elevation: 1,236.88

Backsight: 5.30

Structure Conditions: Unknown

TOR 5.20

Bridge Data

Upstream Invert Elevation: 1,222.88

Channel Bank Elevation: 1,227.58

Channel Top Width: 18.00

Channel Bottom Width: 9.00

Deck Thickness: 2.00

Top Width: 75.00

Toe Width: 60.00

Number of Piers: 4

Pier Width: 1.00



Looking At: UPSTREAM FACE



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TYPE Bridge Survey Reports PREL. FINAL SHEET

CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_MudC2_01

Stream Name: Mud Creek

Stream Station: 0

Hydraulic Length: 18.00

Optional Data

Road Name: NE Jim River Rd

Comments: Rail Equals 2

DOT ID:

Associated TOR Xsect: Not Selected

Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,174.67

Top of Road Elevation: 1,174.97

Backsight: 5.50

Structure Conditions:

Unknown

TOR 5.20

Bridge Data

Upstream Invert Elevation: 1,161.57

Channel Bank Elevation: 1,170.57

Channel Top Width: 40.00

Channel Bottom Width: 18.00

Deck Thickness: 1.40

Top Width: 30.00

Toe Width: 18.00

Number of Piers: 0

Pier Width: 0.00



Looking At: UPSTREAM FACE



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TYPE Bridge Survey Reports PREL. FINAL SHEET

CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT56_01
Stream Name: Unnamed Tributary 56
Stream Station: 0
Hydraulic Length: 22.00

Optional Data

Road Name: Stone Church Rd
Comments: Rail Equals 3.2
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,184.82
Top of Road Elevation: 1,184.92
Backsight: 5.20

Structure Conditions:

Unknown
TOR 5.10

Bridge Data

Upstream Invert Elevation: 1,169.22
Channel Bank Elevation: 1,178.42
Channel Top Width: 46.00
Channel Bottom Width: 15.00

Deck Thickness: 1.80
Top Width: 77.00
Toe Width: 50.00
Number of Piers: 1
Pier Width: 1.50



Looking At: UPSTREAM FACE



PROJECT REG - Yankton County, SD - FY17

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TYPE Bridge Survey Reports PREL. FINAL SHEET

CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT57_01
Stream Name: Unnamed Tributary 57
Stream Station: 0
Hydraulic Length: 25.00

Optional Data

Road Name: Stone Church Rd
Comments: Rail Equals 2.5
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,180.75
Top of Road Elevation: 1,180.75
Backsight: 5.00

Structure Conditions:

Unknown
TOR 5.00

Bridge Data

Upstream Invert Elevation: 1,166.55
Channel Bank Elevation: 1,173.95
Channel Top Width: 14.00
Channel Bottom Width: 10.00

Deck Thickness: 2.00
Top Width: 12.00
Toe Width: 12.00
Number of Piers: 0
Pier Width: 0.00



Looking At: UPSTREAM FACE



PROJECT REG - Yankton County, SD - FY17

COMM. NO. 60550589 DATE 29-Nov-2017 CALC BY AECOM CHK BY AECOM

TYPE Bridge Survey Reports PREL. FINAL SHEET

CONTENTS Survey Data Capture - Yankton County, SD - Field Survey for Hydraulic Structures -

Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT58_01
Stream Name: Unnamed Tributary 58
Stream Station: 0
Hydraulic Length: 27.00

Optional Data

Road Name: Jim River Rd
Comments: Rail Equals 2.7
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,187.49
Top of Road Elevation: 1,188.59
Backsight: 6.00

Structure Conditions:

Unknown
TOR 4.90

Bridge Data

Upstream Invert Elevation: 1,176.29
Channel Bank Elevation: 1,180.29
Channel Top Width: 32.00
Channel Bottom Width: 16.00

Deck Thickness: 2.00
Top Width: 38.00
Toe Width: 38.00
Number of Piers: 0
Pier Width: 0.00



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT69_01
Stream Name: Unnamed Tributary 69
Stream Station: 0
Hydraulic Length: 17.00

Optional Data

Road Name: Railroad
Comments: Rail Equals 3.5
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,370.25
Top of Road Elevation: 1,370.35
Backsight: 5.30

Structure Conditions:

Unknown
TOR 5.20

Bridge Data

Upstream Invert Elevation: 1,358.25
Channel Bank Elevation: 1,359.95
Channel Top Width: 20.00
Channel Bottom Width: 7.00

Deck Thickness: 3.00
Top Width: 56.00
Toe Width: 36.00
Number of Piers: 3
Pier Width: 1.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT70_01
Stream Name: Unnamed Tributary 70
Stream Station: 0
Hydraulic Length: 8.00

Optional Data

Road Name: Footbridge
Comments: Rail Equals 3.5
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,204.28
Top of Road Elevation: 1,203.68
Backsight: 5.20

Structure Conditions:

Unknown
TOR 5.80

Bridge Data

Upstream Invert Elevation: 1,198.48
Channel Bank Elevation: 1,203.18
Channel Top Width: 55.00
Channel Bottom Width: 30.00

Deck Thickness: 2.20
Top Width: 47.00
Toe Width: 30.00
Number of Piers: 0
Pier Width: 0.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT70_03
Stream Name: Unnamed Tributary 70
Stream Station: 0
Hydraulic Length: 7.50

Optional Data

Road Name: Footbridge
Comments: Rail Equals 3
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,206.52
Top of Road Elevation: 1,208.52
Backsight: 7.00

Structure Conditions:

Unknown
TOR 5.00

Bridge Data

Upstream Invert Elevation: 1,204.52
Channel Bank Elevation: 1,207.62
Channel Top Width: 24.00
Channel Bottom Width: 6.00

Deck Thickness: 0.70
Top Width: 18.00
Toe Width: 10.00
Number of Piers: 0
Pier Width: 0.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT70_05
Stream Name: Unnamed Tributary 70
Stream Station: 0
Hydraulic Length: 12.00

Optional Data

Road Name: Footbridge
Comments: Rail Equals 3
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,209.29
Top of Road Elevation: 1,210.69
Backsight: 6.50

Structure Conditions:

Unknown
TOR 5.10

Bridge Data

Upstream Invert Elevation: 1,205.89
Channel Bank Elevation: 1,210.49
Channel Top Width: 19.00
Channel Bottom Width: 9.00

Deck Thickness: 0.70
Top Width: 18.00
Toe Width: 18.00
Number of Piers: 0
Pier Width: 0.00



Looking At: UPSTREAM FACE



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TYPE Bridge Survey Reports PREL. FINAL SHEET

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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT70_08
Stream Name: Unnamed Tributary 70
Stream Station: 0
Hydraulic Length: 4.00

Optional Data

Road Name: Footbridge
Comments: Rail Equals 4
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,212.84
Top of Road Elevation: 1,216.34
Backsight: 8.50

Structure Conditions:

Unknown
TOR 5.00

Bridge Data

Upstream Invert Elevation: 1,209.34
Channel Bank Elevation: 1,216.84
Channel Top Width: 38.00
Channel Bottom Width: 7.00

Deck Thickness: 2.50
Top Width: 14.00
Toe Width: 14.00
Number of Piers: 0
Pier Width: 0.00



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT75_03
Stream Name: Unnamed Tributary 75
Stream Station: 0
Hydraulic Length: 8.00

Optional Data

Road Name: Footbridge
Comments: Rail Equals 3.5
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,206.20
Top of Road Elevation: 1,206.30
Backsight: 5.10

Structure Conditions:

Unknown
TOR 5.00

Bridge Data

Upstream Invert Elevation: 1,202.90
Channel Bank Elevation: 1,205.50
Channel Top Width: 47.00
Channel Bottom Width: 35.00

Deck Thickness: 2.20
Top Width: 45.00
Toe Width: 25.00
Number of Piers: 0
Pier Width: 0.00



Looking At: UPSTREAM FACE



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Approximate Bridge Report

(All Units in Feet) Hdatum = NAD 1983 StatePlane South Dakota South FIPS 4002 F : VDatum = NAVD88

General

Structure Name: LDS_UNT78_03
Stream Name: Unnamed Tributary 78
Stream Station: 0
Hydraulic Length: 6.00

Optional Data

Road Name: Footbridge
Comments: Rail Equals 1
DOT ID:
Associated TOR Xsect: Not Selected
Associated US Xsect: Not Selected

Vertical Control

Vertical Control Elevation: 1,238.72
Top of Road Elevation: 1,239.22
Backsight: 5.50

Structure Conditions:

Unknown
TOR 5.00

Bridge Data

Upstream Invert Elevation: 1,230.12
Channel Bank Elevation: 1,237.22
Channel Top Width: 41.00
Channel Bottom Width: 34.00

Deck Thickness: 1.50
Top Width: 33.00
Toe Width: 24.00
Number of Piers: 0
Pier Width: 0.00



Looking At: UPSTREAM FACE