



NDNR Memo

February 17, 2016

To: Nebraska Department of Natural Resources
Survey Section Files

From: James R. Williams, P.E.
Engineer IV

Subject: **Summary of Data as of February 16, 2016**
West Fork Big Blue Survey Project
York, York County, Nebraska

The Department survey crew has completed surveying of many of the proposed cross sections and structures on Beaver Creek and Tributary A in York, Nebraska. These locations were identified by the Department Floodplain Section for the purpose of a flood risk mapping study. The survey was completed during early 2016 using state plane feet coordinates referenced to NAD83 and NAVD88. A combination of Trimble real-time survey and total station survey was used. In addition, sketches and photographs of bridges and channels were also collected.

For more information contact:

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ATTACHMENT 1

BRIDGE MEASUREMENTS AND SKETCHES

**Beaver Creek
Tributary A
York Ditch
Tributary E**

Bridge Checklist

Street Name COUNTY RD "O"

XS FID 402.3

Bridge Deck Width 20.5 OUTSIDE TO OUTSIDE
17.5 INSIDE TO INSIDE

BRIDGE BUILT 1924
CONCRETE WINGWALLS
CONCRETE ABUTMENTS

Bridge Length (Abutment to Abutment) 80 FT

Flow Width (Effective Opening) 15 FT,

Railing

Height (From ground to top of railing) 0.6' CONC CURB
3.0' CONC RAIL
3.6'

Length 80 FT. Material OPEN CONCRETE

Low Steel from Bridge Deck (if accessible) 1.5' STEEL STRINGER
0.5' CONC DECK
2.0'

Pier Size**

13 UPRIGHTS

Width 3.3' WIDE SOLID CONCRETE - FLAT FRONT

Number of Equal Width Piers 1

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge 225

Downstream side of Bridge 226

Channel Upstream of the Bridge 223

Channel Downstream of the Bridge 224

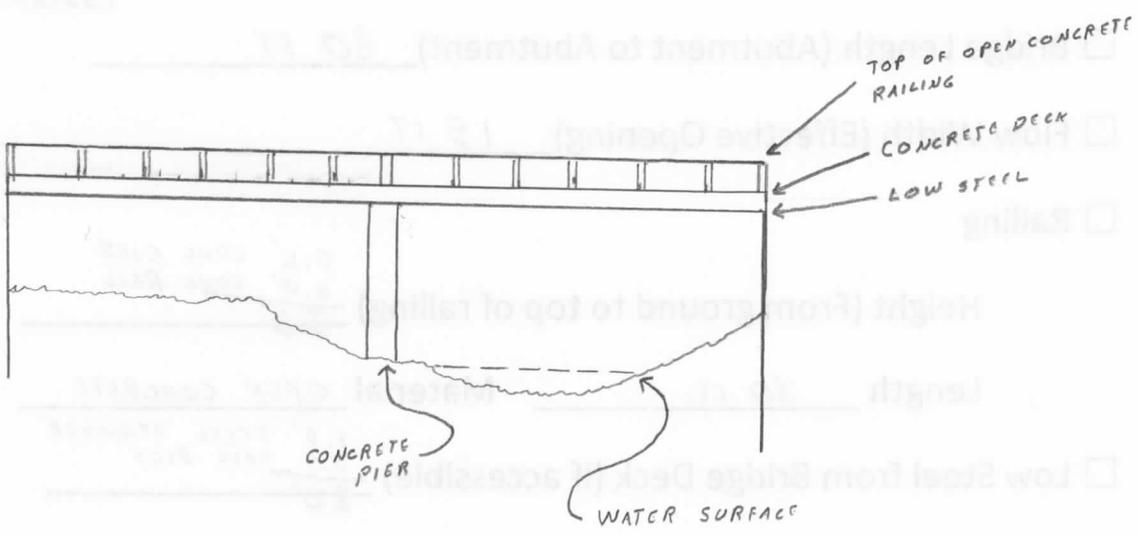
Along road facing left 222

Along road facing right 221

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist



Street Name _____
Span Length _____
Location _____

Span No. _____

Bridge Deck Width _____

Height (from ground to top of railing) _____

Length _____

Height from Bridge Deck to accessible _____

Pier Size _____

Width _____

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number) _____

Upstream side of bridge _____

Downstream side of bridge _____

Channel Upstream of the Bridge _____

Channel Downstream of the Bridge _____

Along road facing left _____

Along road facing right _____

Provide a sketch of the structure _____

**Check to ensure all piers are equal width; otherwise, measure varying widths

Bridge Checklist

Street Name COUNTY RD "N"

XS FID 412.3

Bridge Deck Width 32.0 OUTSIDE TO OUTSIDE
30.0 INSIDE TO INSIDE

Bridge Length (Abutment to Abutment) 82' END TO END
80.0

Flow Width (Effective Opening) 30.5 FT,

Railing 2.7 STEEL WINGWALLS
0.7 STEEL ABUTMENTS

Height (From ground to top of railing) 2.7 FT,

Length 128 FT Material STEEL GUARD RAIL

Low Steel from Bridge Deck (if accessible) 2.6 STEEL STRINGER
0.7 CONCRETE DECK
3.3

Pier Size** NONE UPRIGHTS ARE
6.2' APART

Width _____

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge 231

Downstream side of Bridge 232

Channel Upstream of the Bridge 229

Channel Downstream of the Bridge 230

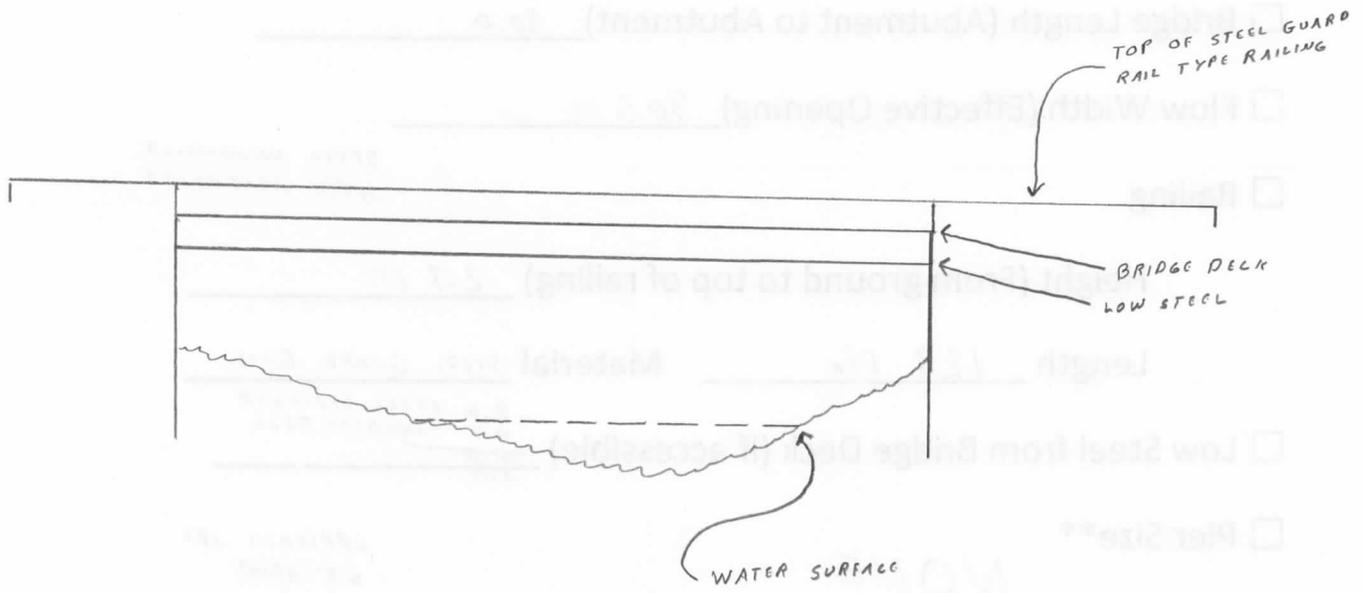
Along road facing left 228

Along road facing right 227

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist



Street Name _____

KS RD #123 _____

Bridge Deck Width _____

Bridge Length (Abutment to Abutment) _____

Flow Width (Effective Opening) _____

Width _____

Number of Equal Width Piers _____

Distance between Piers _____

Piers (include pier ID number) _____

Upstream side of bridge _____

Downstream side of bridge _____

Channel Upstream of the bridge _____

Channel Downstream of the bridge _____

Along road facing left _____

Along road facing right _____

*Include a sketch of the structure

**Check to ensure all piers are equal width unless otherwise measured varying widths

Bridge Checklist

Street Name COUNTY RD "M"

XS FID 428.3

Bridge Deck Width 26.6

CONCRETE WINGWALLS
CONCRETE ABUTMENTS

Bridge Length (Abutment to Abutment) ^{80.5 END TO END} 77.3

Flow Width (Effective Opening) 25.5

Railing
Height (From ^{DECK} ground to top of railing) _____

2.2' GUARD RAIL RAILING
4.0' OPEN STEEL RAILING ON UPSTREAM SIDE

Length 77.3' Material _____

Low Steel from Bridge Deck (if accessible) <sup>0.5 CONC DECK
3.0 STEEL STRINGER</sup> 3.5'

Pier Size**
Width NONE

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge 237

Downstream side of Bridge 238

Channel Upstream of the Bridge 235

Channel Downstream of the Bridge 236

Along road facing left 234

Along road facing right 233

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name County No. M. _____

KS ID # _____

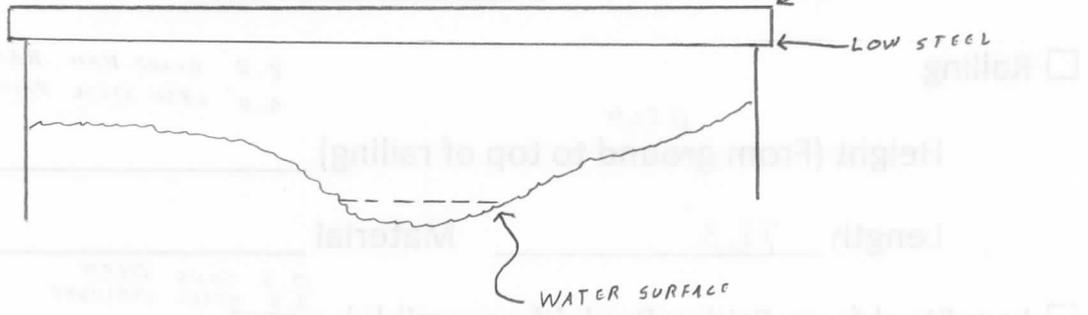
CONCRETE PAVEMENT
CONCRETE ABUTMENTS

Bridge Deck Width 5.4

Bridge Length (Abutment to Abutment) 11.1

Flow Width (Effective Opening) 5.4

Railing



Height (from ground to top of railing) _____

Length 11.1

Low Steel from Bridge Deck (if accessible) 5.4

Pier Size** _____

Width _____

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number) _____

Upstream side of bridge 5.1

Downstream side of bridge 5.1

Channel Upstream of the Bridge 5.1

Channel Downstream of the Bridge 5.1

Along road facing left 5.1

Along road facing right 5.1

**Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name E NOBES RD

XS FID 432.3

Bridge Deck Width 51.3
*12.2 UPSTRM WALKWAY
30.0 DRIVING LANES
9.1 DOWNSTRM WALKWAY*

*CONCRETE WINGWALLS
CONCRETE ABUTMENTS
1.4' CONC DECK*

Bridge Length (Abutment to Abutment) 117.7 FT.
161 FT. END TO END

Flow Width (Effective Opening) 19.0'

*51.3 TOTAL
30.0 INSIDE*

Railing
*2.5' CONC WALL 1.2' WIDE
2.1' OPEN STEEL RAILING ABOVE CURB
5.0' CHAIN LINK FENCE ON OUTSIDES OF BIKE PATH*

*9.1 DOWNSTRM
12.2 WALKWAY
UPSTRM*

Height (From ground to top of railing) 5.0 FT

*24.4
30.0
54.4*

Length 161 FT. Material _____

Low Steel from Bridge Deck (if accessible) _____

Pier Size**

*12.2
9.1
30.0
51.3*

Width 2.0' WIDE SOLID CONCRETE - POINTED - STEEL FACED

Number of Equal Width Piers 2

Distance between Piers 48.0'

Photos (include photo ID number)

Upstream side of Bridge 243

Downstream side of Bridge 244

Channel Upstream of the Bridge 241

Channel Downstream of the Bridge 242

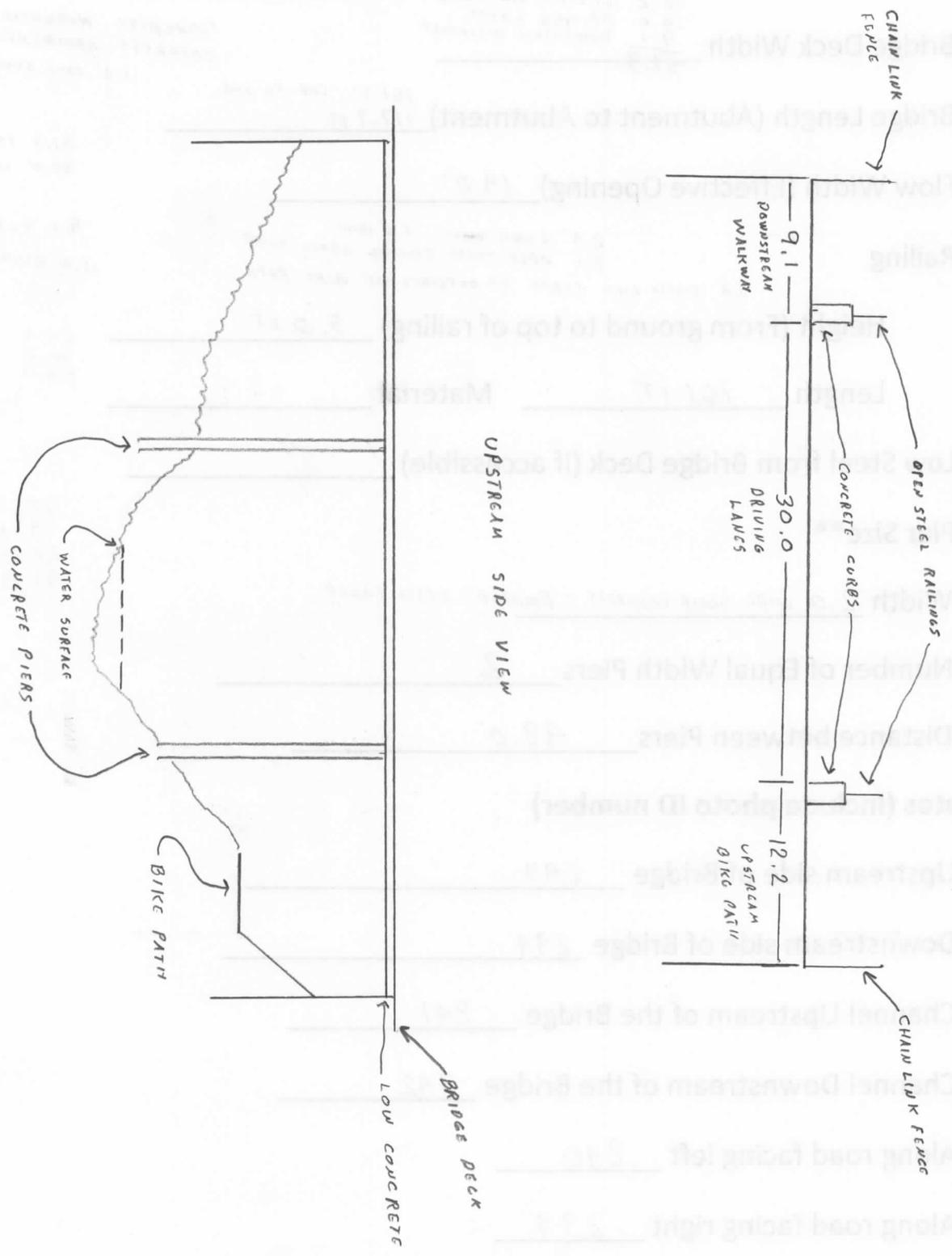
Along road facing left 240

Along road facing right 239

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

LEFT END VIEW



Bridge Checklist

Street Name BIKE PATH BRIDGE

XS FID 436.3

Bridge Deck Width 13.7'

34.5 END TO END

Bridge Length (Abutment to Abutment) 30.5

Flow Width (Effective Opening) 26.5

WOOD WINGWALLS ON LT END
NO WINGWALLS ON RT END
CONCRETE ABUTMENTS
0.8' CONCRETE DECK

Railing

Height (From ground to top of railing) 3.7'
0.7' CONC CURB
3.0' OPEN STEEL RAILING

Length 30.5' Material OPEN STEEL PIPE

Low Steel from Bridge Deck (if accessible) 0.8' CONCRETE DECK

Pier Size** PILINGS
1 ROW OF 2
Width 1.0' ROUND IRON PIPE

Number of Equal Width Piers 1

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge 249

Downstream side of Bridge 250

Channel Upstream of the Bridge 247

Channel Downstream of the Bridge 248

Along road facing left 246

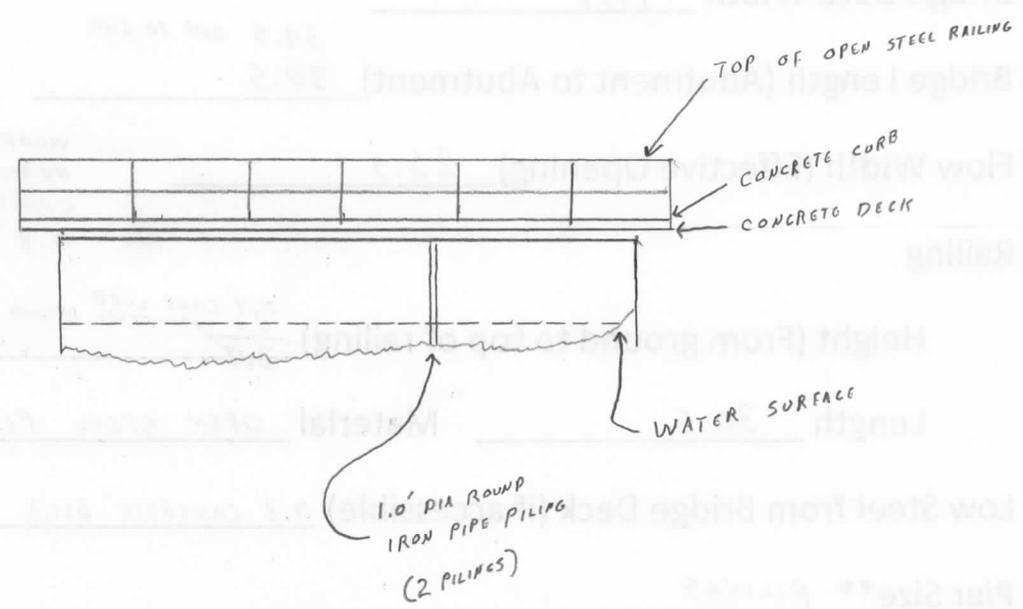
Along road facing right 245

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Sheet Name: _____
Date: _____



- Bridge Deck Width _____
- Bridge Length (Alignment to Abutment) _____
- Flow Width _____
- Railing _____
- Height (from ground) _____
- Length _____
- Low Steel from Bridge Deck _____
- Pier Size _____
- Width _____
- Number of Equal Width Piers _____
- Distance between Piers _____
- Photos (include photo ID number) _____
- Upstream side of Bridge _____
- Downstream side of Bridge _____
- Channel Upstream of the Bridge _____
- Channel Downstream of the Bridge _____
- Along road facing left _____
- Along road facing right _____
- Location & sketch of the structure _____
- Check to ensure all piers are equal width; otherwise measure varying widths _____

Bridge Checklist

Street Name S LINCOLN AVE. / U.S. HWY 81

8.0 UPSTRM SIDEWALK
1.2 CONC CURB
66.4 DRIVING LANES
1.2 CONC CURB
7.0 DNSTRM SIDEWALK
1.2 CONC RAIL

XS FID 440.3

NO WINGWALLS
STEEL ABUTMENTS

Bridge Deck Width 85.0' TOTAL WIDTH

Bridge Length (Abutment to Abutment) 126.5 ^{167' END TO END}

Flow Width (Effective Opening) 21.0'

9.3' UPSTREAM SIDEWALK
1.7 CONC CURB - DRIVING LANES
9.3' DOWNSTREAM SIDEWALK
2.5' HIGH CURB ON DNWSTRM SIDE
3.4' CHAIN LINK FENCE ON TOP OF
DOWNSTREAM CURB

Railing

Height (From ground to top of railing) 8.4'

Length 167' Material CHAIN LINK FENCE

Low Steel from Bridge Deck (if accessible) 1.5' CONC DECK

Pier Size**

Width 2.2' WIDE SOLID CONCRETE / POINTED - STEEL FACED

1 ROW OF 11
1.0' SQUARE CONC
PILINGS AT ABUTMENTS

Number of Equal Width Piers 2

Distance between Piers 50.0'

Photos (include photo ID number)

Upstream side of Bridge 255 (257 PILINGS AT ABUTMENT)

Downstream side of Bridge 252

Channel Upstream of the Bridge 256

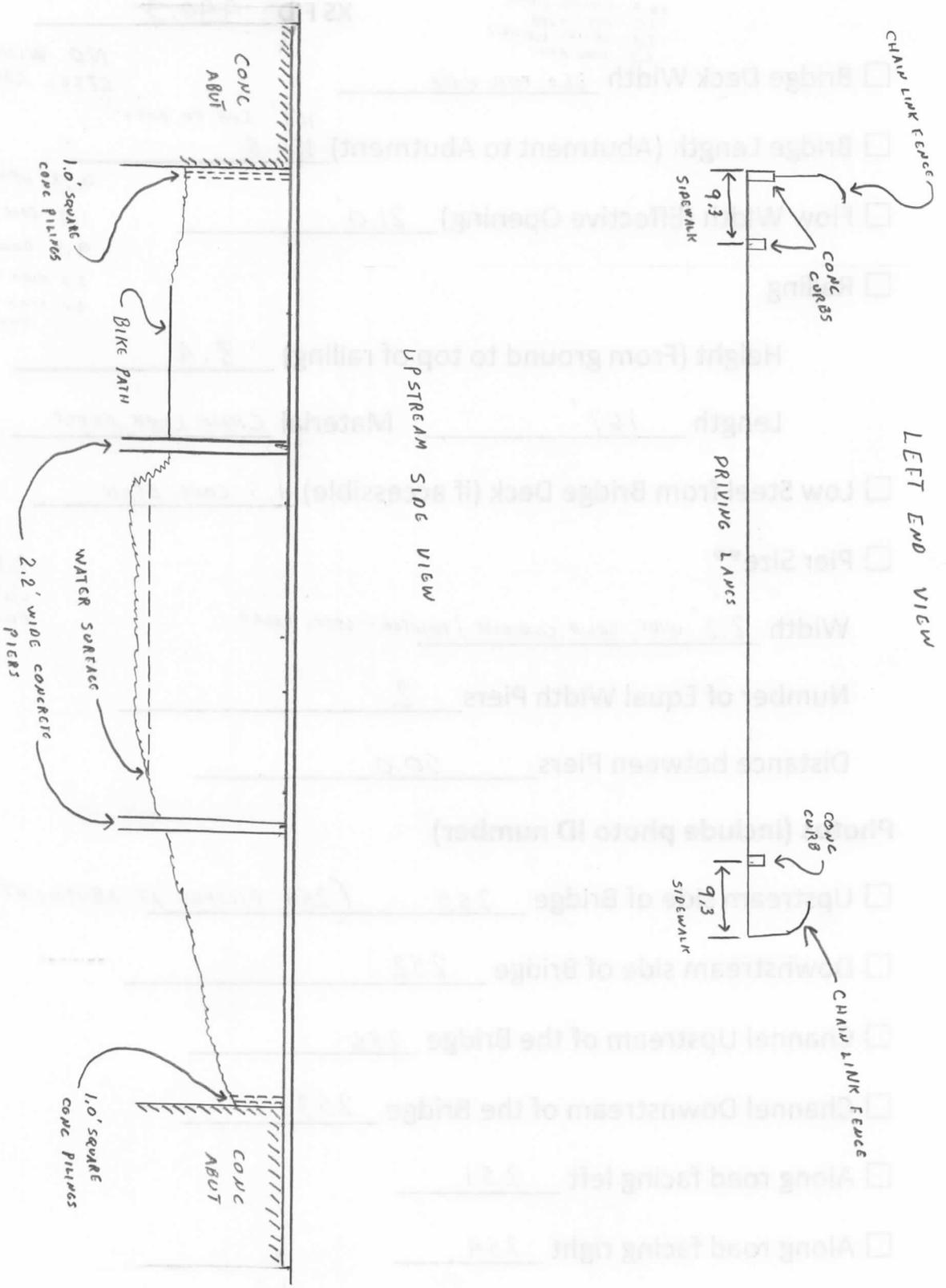
Channel Downstream of the Bridge 253

Along road facing left 251

Along road facing right 254

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths



UPSTREAM SIDE VIEW

LEFT END VIEW

*Check to ensure all parts are equal width, otherwise measure varying widths

*Include a sketch of the structure

□ Along road facing right

□ Along road facing left

□ Channel Downstream of the Bridge

□ Channel Upstream of the Bridge

□ Downstream side of Bridge

□ Upstream side of Bridge

□ Photo (includes photo ID number)

□ Distance between Piers

□ Number of Equal Width Piers

□ Width

□ Pier Size

□ Low Steep from Bridge Deck (if applicable)

□ Height (From ground to top of railing)

□ Length

□ Location (Active Opening)

□ Bridge Length (Abutment to Abutment)

□ Bridge Deck Width

Bridge Checklist

Street Name WALNUT AVE

XS FID 444,3

Bridge Deck Width 32.5 DRIVING LANE
41.0 OUTSIDE TO OUTSIDE

CONCRETE WINGWALLS
CONCRETE ABUTMENTS

Bridge Length (Abutment to Abutment) 160.0
169.5 END TO END

1.2' CONC DECK

Flow Width (Effective Opening) 36'

6.2' SIDEWALK
1.2' CONC RAIL

Railing

3.7 OPEN STEEL RAILING
ON UPSTREAM SIDE

Height (From ^{DECK} ground to top of railing) 2.5'

Length 169.5 Material OPEN CONCRETE

Low Steel from Bridge Deck (if accessible) 2.5'

Pier Size** 4 SETS OF PILING
EACH SET IS 1 ROW OF 9
1.0' SQUARE CONCRETE

Width _____

Number of Equal Width ^{PILING} Piers 4

Distance between Piers _____

5

Photos (include photo ID number)

Upstream side of Bridge 262

Downstream side of Bridge 263

Channel Upstream of the Bridge 260

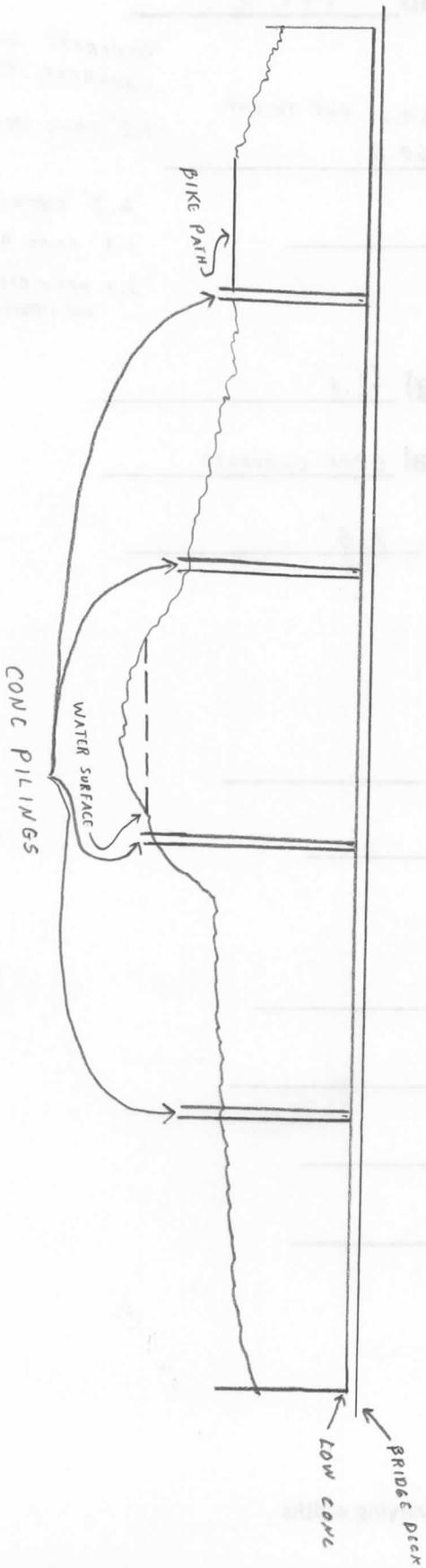
Channel Downstream of the Bridge 261

Along road facing left 259

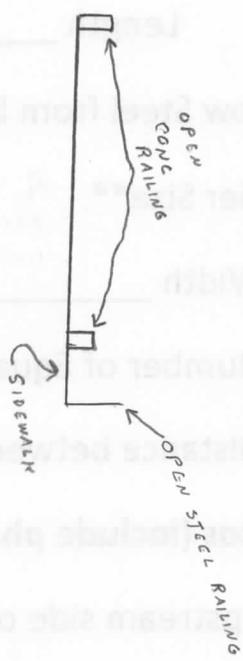
Along road facing right 258

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths



UPSTREAM SIDE VIEW



LEFT EMP VIEW

Bridge Checklist

- Bridge Deck Width
- Bridge Length (Abutment to Abutment)
- Flow Width (Effective Opening)
- Railing
- Height (from ground to top of railing)
- Material
- Low Conc Railing
- Part
- Width
- Number of Width Piers
- Distance between Piers
- Photo (include photo ID number)
- Upstream side of Bridge
- Downstream side of Bridge
- Channel Upstream of the Bridge
- Channel Downstream of the Bridge
- Along road facing left
- Along road facing right

BIKE PATH BRIDGE
IN BEAVER CREEK PARK

Bridge Checklist

Street Name _____

XS FID 446,3

Bridge Deck Width 14.0'

NO WINGWALLS
CONCRETE ABUTMENTS

Bridge Length (Abutment to Abutment) 50.0

54.0 ~~BT~~ END TO END

Flow Width (Effective Opening) 50.0'

0.6' WOOD CURB

Railing

Height (From ground to top of railing) 3.6' OPEN

Length 54.0 Material OPEN STEEL PIPE

Low Steel from Bridge Deck (if accessible) 0.7' CONCRETE DECK

Pier Size** PILINGS

Width 2 SETS
EACH SET IS 1 ROW OF 2
1.0' DIA ROUND IRON PIPE

Number of Equal Width Piers 2

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge 269

Downstream side of Bridge 268

Channel Upstream of the Bridge 266

Channel Downstream of the Bridge 267

Along road facing left 265

Along road facing right 264

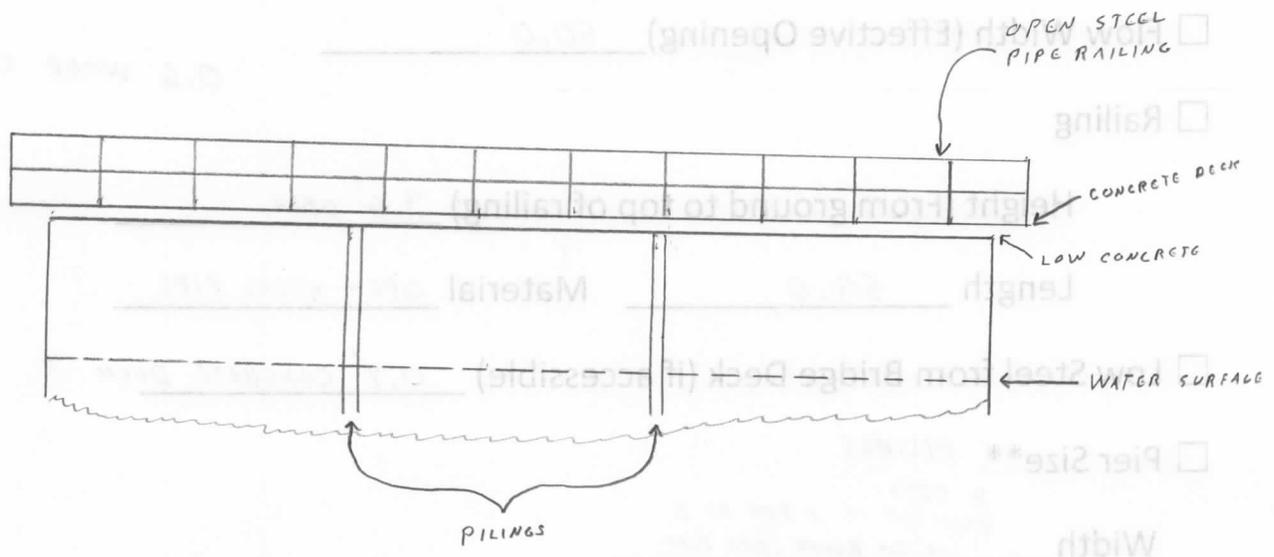
*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name _____
KS FID _____

Bridge Deck Width _____
Bridge Length (Abutment to Abutment) _____



Width (Effective Opening) _____
Railing _____
Material _____
Pier Size* _____
Number of Equal Width Piers _____
Distance between Piers _____

Photos (include photo ID number)

- Upstream side of Bridge _____
- Downstream side of Bridge _____
- Channel Upstream of the Bridge _____
- Channel Downstream of the Bridge _____
- Along road facing left _____
- Along road facing right _____

*Check to ensure all piers are equal width; otherwise measure varying widths
*include a sketch of the structure

MON 11-JAN-16

Bridge Checklist

Street Name KINGSLEY AVE

XS FID 448,3

6.2 SIDEWALK

Bridge Deck Width 41 FT, TOTAL WIDTH

34.8 OUTSIDE } DRIVING LANE
32.4 INSIDE }

Bridge Length (Abutment to Abutment) 117.0'

ONE PIECE
CONC DECK
1.5'

Flow Width (Effective Opening) 43' FT,

Railing

CONCRETE WINGWALLS
11 ABUTMENTS

Height (From ground to top of railing) 2.5' CONC / 3.7' OPEN STEEL

Length 117 FT, Material OPEN CONCRETE

Low Steel from Bridge Deck (if accessible) 1.5 FT, ONE PIECE DECK

Pier Size**

2 SETS OF PILING
EACH SET IS 1 ROW OF 11
1.0' SQUARE CONCRETE

Width _____

Number of Equal Width Piers _____

Distance between Piers

LEFT	CENTER	RIGHT
35	47	35

Photos (include photo ID number)

Upstream side of Bridge

LT END	CENTER	RT END
480	481	482

Downstream side of Bridge

LT END	CENTER	RT END
483	484	485

Channel Upstream of the Bridge 478

Channel Downstream of the Bridge 479

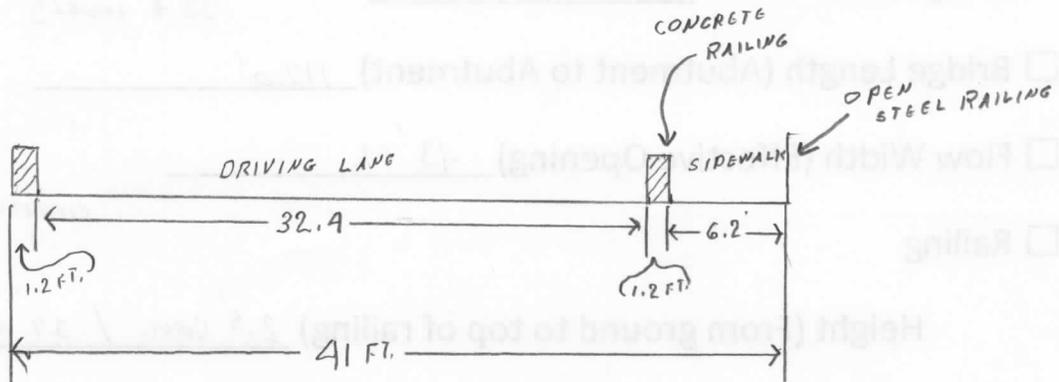
Along road facing left 476

Along road facing right 477

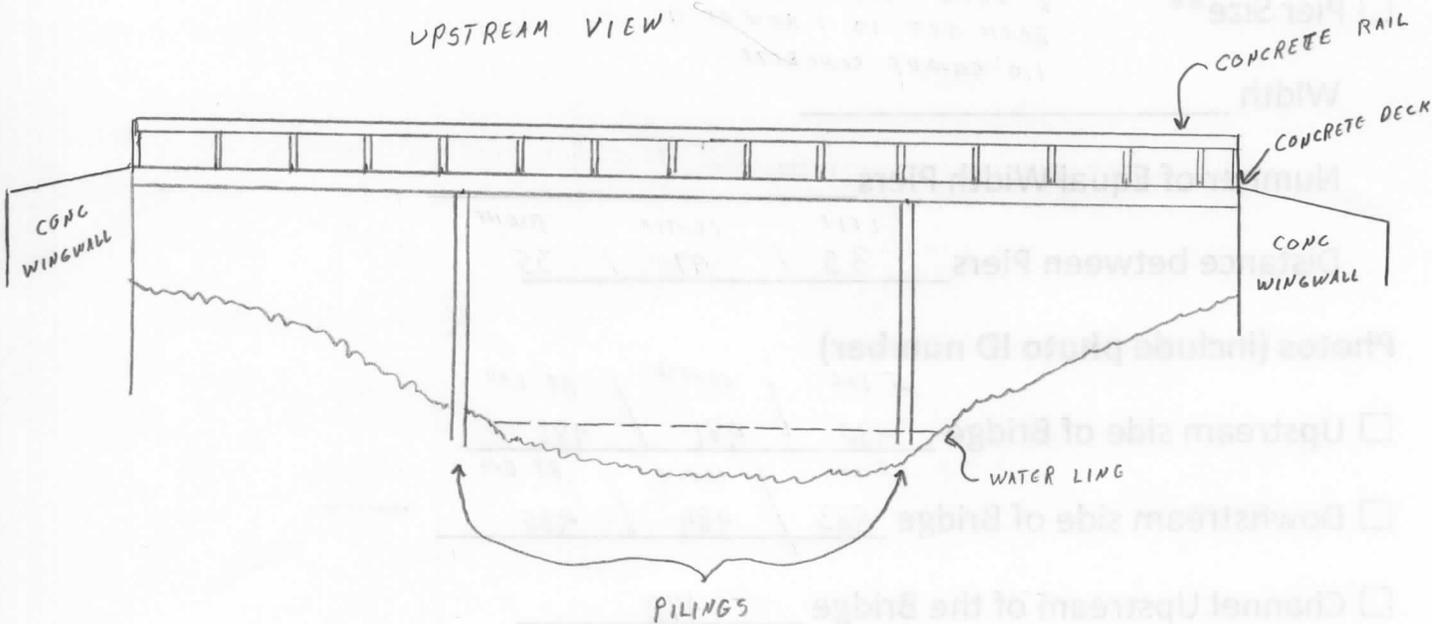
*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

LEFT END VIEW



UPSTREAM VIEW



Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 449
NEW BRIDGE

Bridge Deck Width 8.0 FT

Bridge Length (Abutment to Abutment) 60.0 FT

*CONCRETE WINGWALLS
CONCRETE ABUTMENTS
1 PIECE CONCRETE
STRINGER & DECK*

Flow Width (Effective Opening) 35.0 FT

Railing NONE

Height (From ground to top of railing) _____

Length _____ Material _____

CONCRETE

Low Steel from Bridge Deck (if accessible) 3.0 FT

Pier Size**

Width NONE

Number of Equal Width Piers _____

Distance between Piers _____

*PHOTOS TAKEN
SAT 30-JAN-16*

Photos (include photo ID number)

Upstream side of Bridge 474

Downstream side of Bridge 475

Channel Upstream of the Bridge 472

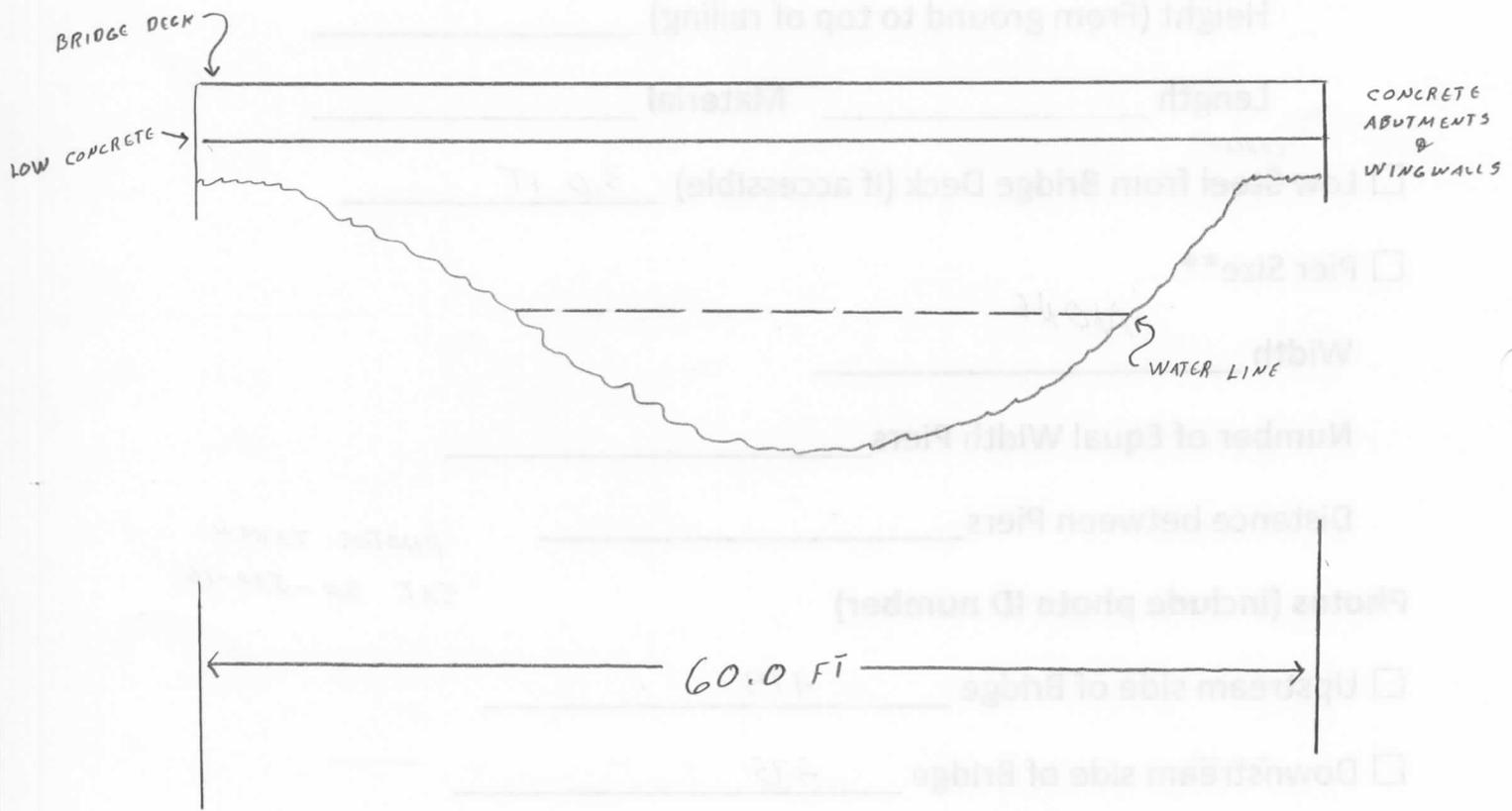
Channel Downstream of the Bridge 473

Along road facing left 471

Along road facing right 470

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths



Bridge Checklist

Sheet Name: _____

AS NO: _____

Rev: _____

Bridge Deck Width: _____

Bridge Length (Abutment to Abutment): _____

Flow Width (Effective Opening): _____

Rating: _____

Height (from ground to top of railing): _____

Length: _____

Width from Bridge Deck (if accessible): _____

Pier Size: _____

Width: _____

Number of Equal Width: _____

Distance between Pier: _____

Pier (include photo ID number): _____

Upstream side of bridge: _____

Downstream side of bridge: _____

Channel Upstream of the Bridge: _____

Channel Downstream of the Bridge: _____

Along road facing left: _____

Along road facing right: _____

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise, measure varying widths

MONDAY 11-JAN-16

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 450.3

TEMPORARY
BRIDGE

BRDG 1

Bridge Deck Width 7.2

Bridge Length (Abutment to Abutment) 59.5

Flow Width (Effective Opening) 31'

Railing NONE

1 STRINGER - 1.5' WOOD POWER POLE
0.15' WOOD DECK

Height (From ground to top of railing) _____

Length _____ Material _____

Low Steel from Bridge Deck (if accessible) _____

Pier Size**

Width NONE

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge LT END 466 / RT END 467

PHOTOS TAKEN
SAT 30-JAN-16

Downstream side of Bridge LT END 468 / RT END 469

Channel Upstream of the Bridge 464

Channel Downstream of the Bridge 465

Along road facing left 463

Along road facing right 462

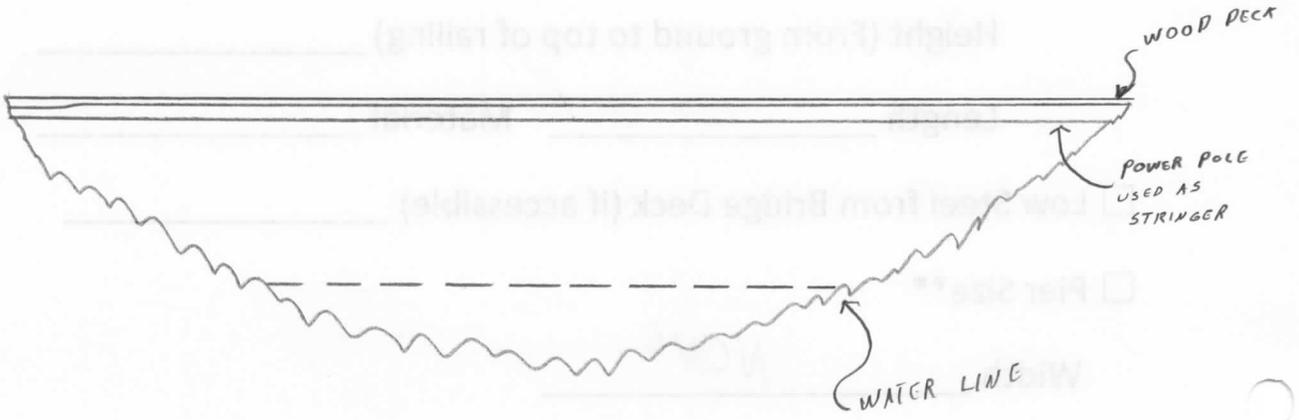
*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name: _____
AS NO: _____
Date: _____

- Bridge Deck Width _____
- Bridge Length (Abutment to Abutment) _____
- Flow Width (Effective Opening) _____
- Filling _____



- Height (from ground to top of railing) _____
- Low level from Bridge Deck (if accessible) _____
- Pier Size _____
- Number of Equal Width Piers _____
- Distance between Piers _____
- Photos (include photo ID number) _____
- Upstream side of bridge _____
- Downstream side of bridge _____
- Channel Upstream of the Bridge _____
- Channel Downstream of the Bridge _____
- Along road facing left _____
- Along road facing right _____

*Check to ensure all piers are equal width; otherwise measure varying widths
*Include a sketch of the structure

MON 17-JAN-16

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 452.3

BRDG 2

Bridge Deck Width 8.0'

CONC WINGWALLS
11 ABUTMENTS
0.3 11 DECK
2.6 CONC STRONGER

Bridge Length (Abutment to Abutment) 58

Flow Width (Effective Opening) 34

Railing

Height (From ground to top of railing) 0.6'

Length 58' Material WOOD

Low Steel from Bridge Deck (if accessible) 2.9 FT

Pier Size**

Width NONE

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

PHOTOS TAKEN
SAT 30-JAN-16

Upstream side of Bridge LT END 458 / RT END 459

Downstream side of Bridge LT END 460 / RT END 461

Channel Upstream of the Bridge 456

Channel Downstream of the Bridge 457

Along road facing left 455

Along road facing right 454

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name XXXX ST

KS RD 1234

Span # 1

DATE 12/12/12

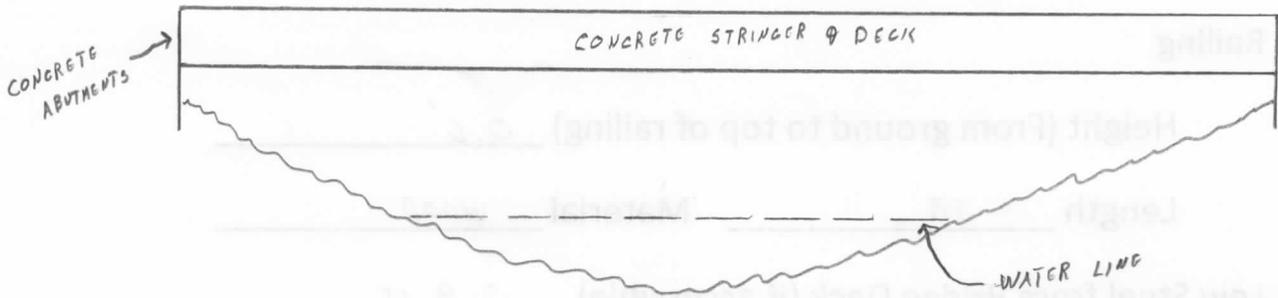
BY XXXX

PROJECT XXXX

Bridge Deck Width 20

Bridge Length (Abutment to Abutment) 50

Flow Width (Effective Opening) 34



Railing

Height (from ground to top of railing) 5.2

Length 10

Low Steel from Bridge Deck (in Abutments) 4.9

Pier Size**

Width 10

Number of Equal Width Piers 1

Distance between Piers 49

Photos (include photo ID number)

Upstream side of Bridge 123

Downstream side of Bridge 124

Channel Upstream of the Bridge 125

Channel Downstream of the Bridge 126

Along road facing left 127

Along road facing right 128

**Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths



MONDAY 11 - JAN - 16

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 454,3
BRPG 3

Bridge Deck Width 8.0

Bridge Length (Abutment to Abutment) 57.6

Flow Width (Effective Opening) 35

Railing

CONCRETE WINGWALLS
CONCRETE ABUTMENT
CONCRETE STRINGER
CONCRETE DECK

^{DECK}
Height (From ground to top of railing) 0.6'

Length 57.6 Material WOOD

Low Steel from Bridge Deck (if accessible) 2.9 FT.

Pier Size**

Width NONE

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

PHOTOS TAKEN
SAT 30 - JAN - 16

Upstream side of Bridge ^{LT END} 450 / ^{RT END} 451

Downstream side of Bridge ^{LT END} 452 / ^{RT END} 453

Channel Upstream of the Bridge 448

Channel Downstream of the Bridge 449

Along road facing left 447

Along road facing right 446

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

MONDAY 11-JAN-16

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 456.3

BRDG 4

Bridge Deck Width 4.0

1.3' WEBBSTEEL STRINGER
0.15 WOOD DECK

Bridge Length (Abutment to Abutment) 45

Flow Width (Effective Opening) 29

CGMC ABUTMENT
NO WINGWALLS

Railing

Height (From ground to top of railing) 3.0 FT

Length 45' Material SINGLE STEEL CABLE

Low Steel from Bridge Deck (if accessible) 1.45 FT.

Pier Size**

NONE

Width _____

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

PHOTOS TAKEN
SAT 30-JAN-16

Upstream side of Bridge LT END 443 / RT END 444

Downstream side of Bridge 445

Channel Upstream of the Bridge 441

Channel Downstream of the Bridge 442

Along road facing left 440

Along road facing right 439

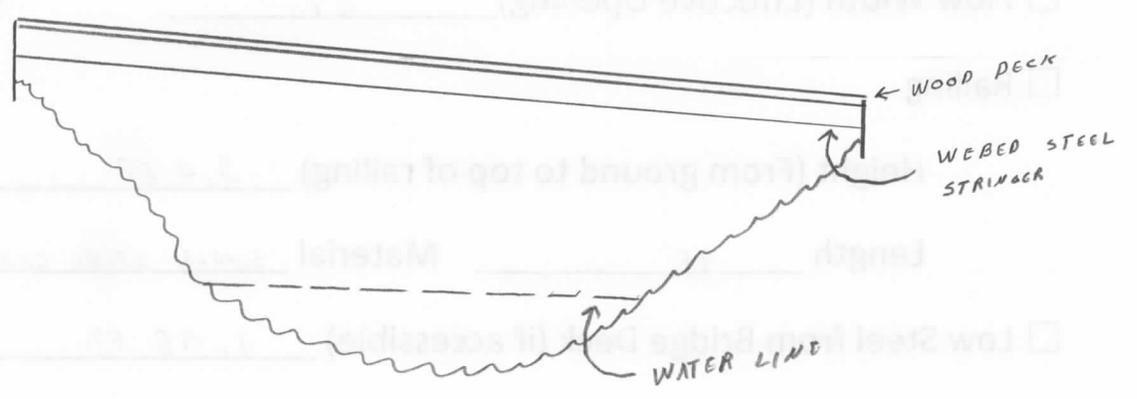
*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Project No. 10-24-12
Sheet Name BRIDGE DATA
KS HD 12-2-3

- Bridge Deck Width 12.0
- Bridge Length (Abutment to Abutment) 12.0
- Flow Width (Effective Opening) 12.0



- Pier Size
- Width
- Number of Equal Width Piers
- Distance between Piers

Photos (include photo ID number)

- Upstream side of bridge 1-1
- Downstream side of bridge 2-2

- Channel Upstream of the Bridge 1-1

- Channel Downstream of the Bridge 2-2

- Along road facing left 3-3

- Along road facing right 4-4

Check to ensure all piers and abutments are within the bridge width.

MONDAY 11-JAN-16

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 458.3
BRDG 5

Bridge Deck Width 8.0

Bridge Length (Abutment to Abutment) 56.6

Flow Width (Effective Opening) 31

CONCRETE ABUTMENTS
CONCRETE WINGWALLS
CONCRETE STRINGER
CONCRETE DECK

Railing

Height (From ground to top of railing) 0.6'

Length 56.6 Material WOOD

Low Steel from Bridge Deck (if accessible) 2.9 FT

Pier Size**

Width NONE

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

PHOTOS TAKEN
SAT 30-JAN-16

Upstream side of Bridge LT END 435 / RT END 436

Downstream side of Bridge LT END 437 / RT END 438

Channel Upstream of the Bridge 433

Channel Downstream of the Bridge 434

Along road facing left 432

Along road facing right 431

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Sheet Name: BRIDGE CHECKLIST

Bridge Checklist

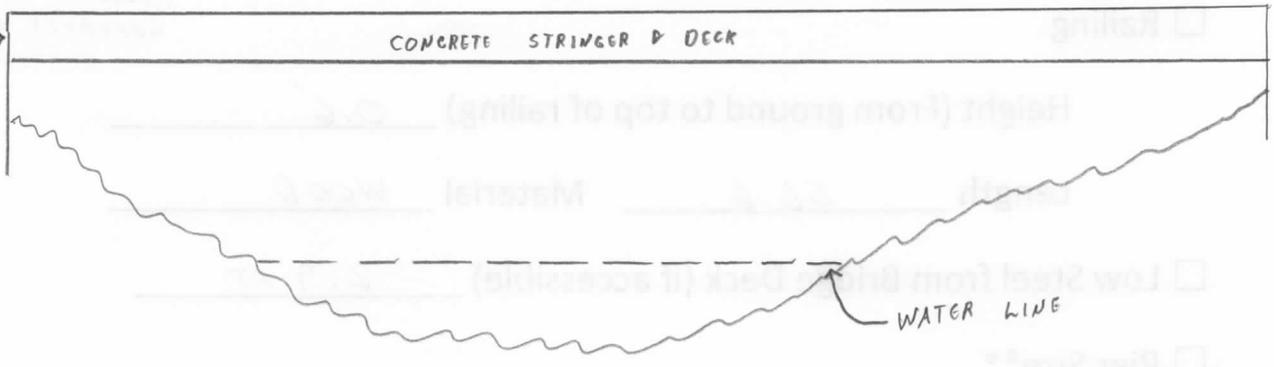
KS ID: 435 2

Bridge Deck Width: 8.0

Bridge Length (Abutment to Abutment): 25.4

Flow Width (Effective Opening): 5.0

CONCRETE ABUTMENTS →



Rating

Height (from ground to top of railing)

Material

Low Steel from Bridge Deck (if accessible)

Pier Size

Width: 10.0

Number of Equal Width Piers: 1

Distance between Piers: 10.0

Photos (include photo ID number)

Upstream side of Bridge: 435 / 100

Downstream side of Bridge: 435 / 100

Channel Upstream of the Bridge: 100

Channel Downstream of the Bridge: 100

Along road facing left: 100

Along road facing right: 100

*Include a sketch of the structure

**Check to ensure all piers are equal width otherwise measure varying widths

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 461
NEW BRIDGE

Bridge Deck Width 8.0 FT

Bridge Length (Abutment to Abutment) 60.0 FT

Flow Width (Effective Opening) 20.0 FT

Railing NONE

Height (From ground to top of railing) _____

Length _____ Material _____

Low ^{CONCRETE} Steel from Bridge Deck (if accessible) 3.0 FT

Pier Size** NONE

Width _____

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge 428

Downstream side of Bridge 429 / 430
LT END RT END

Channel Upstream of the Bridge 426

Channel Downstream of the Bridge 427

Along road facing left 425

Along road facing right 424

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

CONCRETE WINGWALLS
CONCRETE ABUTMENTS
1 PIECE CONCRETE
STRINGER & DECK

Bridge Checklist

Project Name: _____

AS FD _____

DATE: _____
DRAWN BY: _____
CHECKED BY: _____

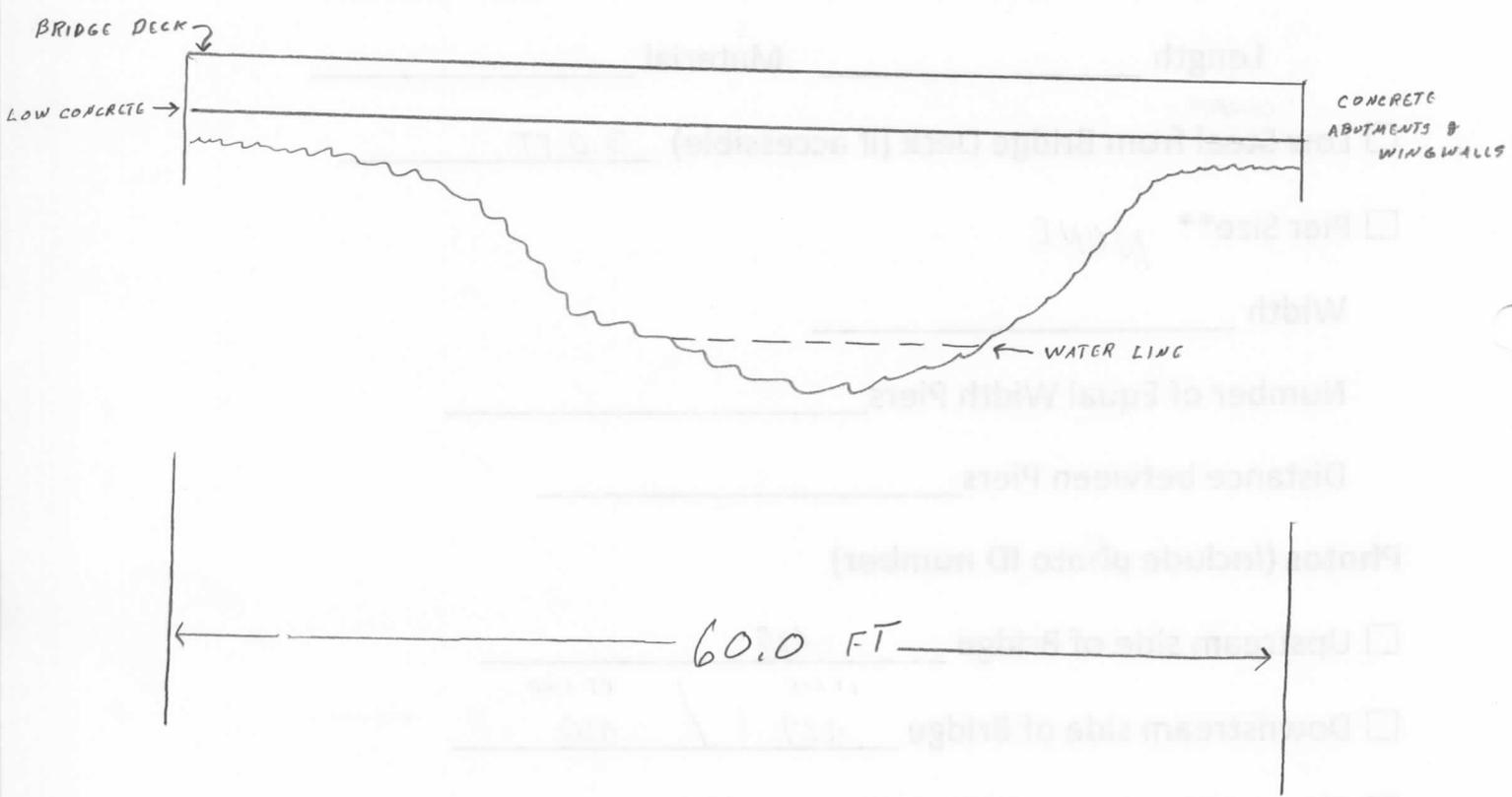
Bridge Deck Width: _____

Bridge Length (Abutment to Abutment): _____

Flow Width (Effective Opening): _____

Rating: _____

Height (from ground to top of railing): _____



**Note: ensure all piers are equal width unless otherwise measure varying widths

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 462.3
BRDG 6

TEMPORARY BRIDGE

Bridge Deck Width 7.2'

Bridge Length (Abutment to Abutment) 81.0'

Flow Width (Effective Opening) 26

Railing

DECK
Height (From ground to top of railing) 0.45'

Length _____ Material WOOD

Low Steel from Bridge Deck (if accessible) 1.45

Pier Size**
2 SETS OF PILING
EACH SET IS 1 ROW OF 2
0.6' DIA ROUND WOOD

Width _____

Number of Equal Width Piers 2 PILING

Distance between Piers 15' / 23' / 43'
LT CNTR RT

Photos (include photo ID number)

PHOTOS TAKEN
SAT 30-JAN-16

Upstream side of Bridge 420 / 421
LT END RT END

Downstream side of Bridge 422 / 423
LT END RT END

Channel Upstream of the Bridge 418

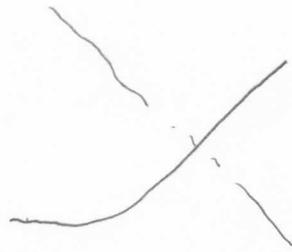
Channel Downstream of the Bridge 419

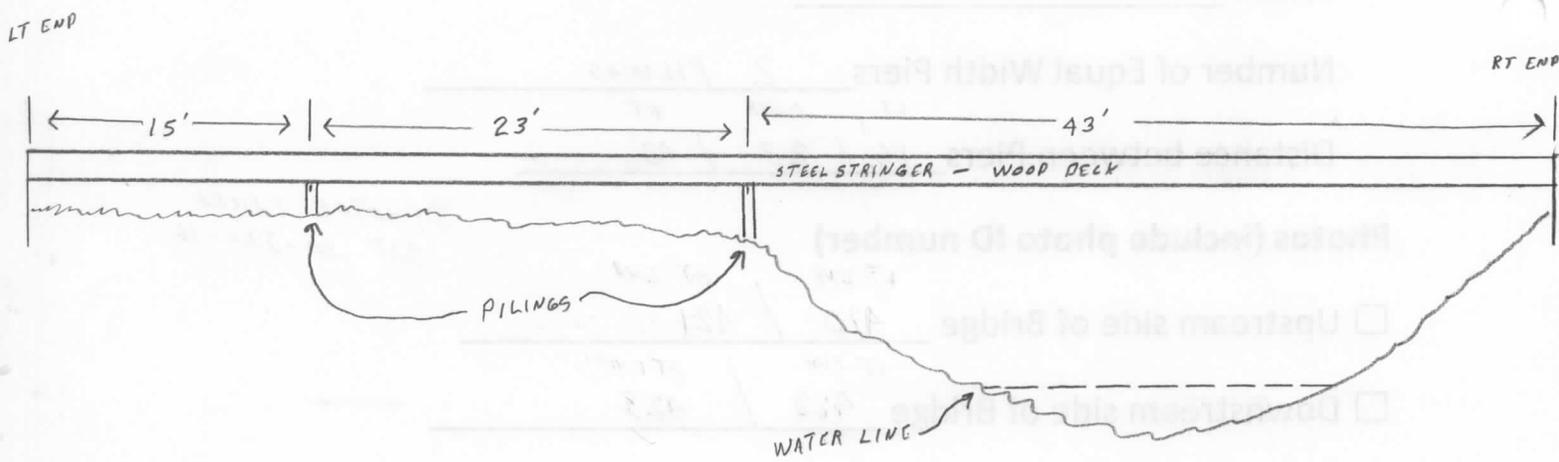
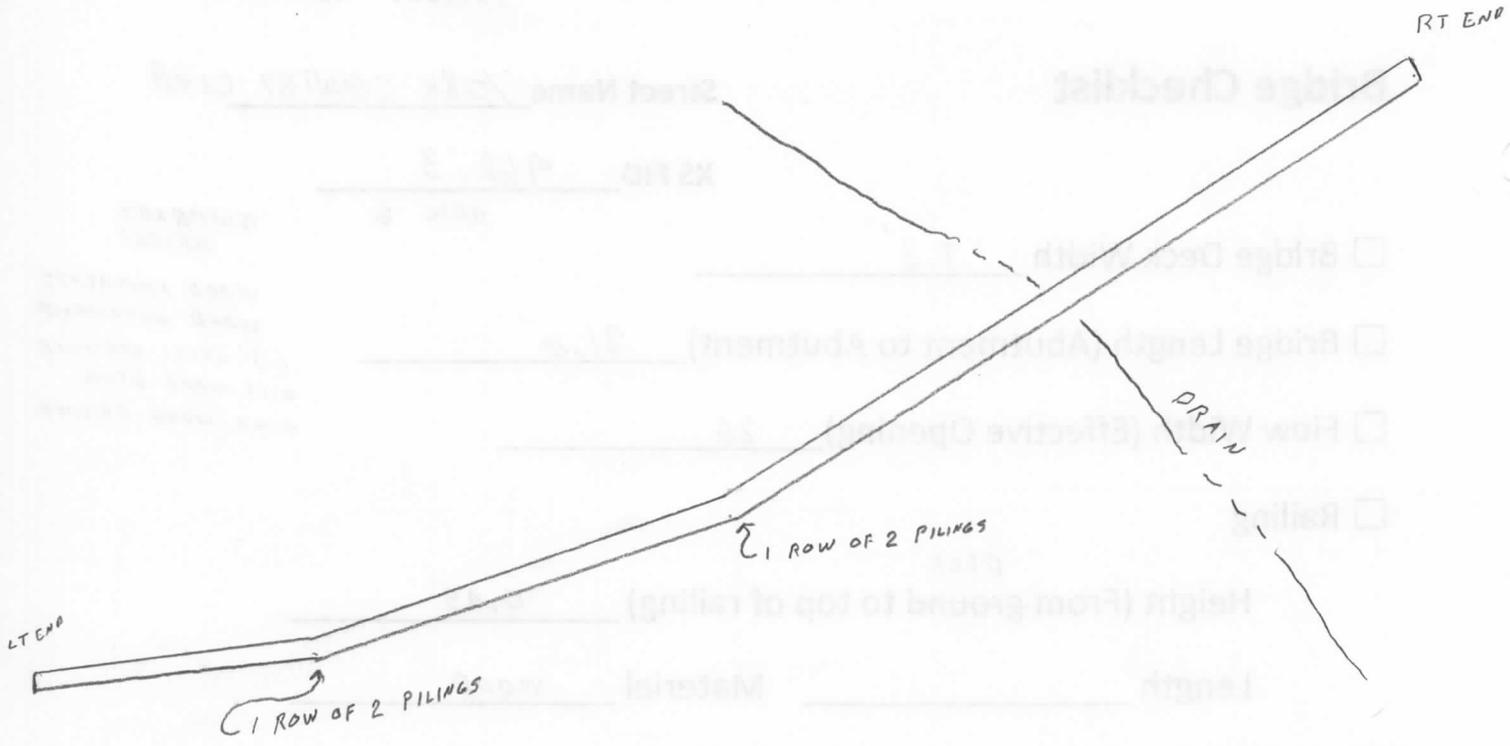
Along road facing left 417

Along road facing right 416

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths





Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 464.3
BRDG 7

Bridge Deck Width 7.0'

Bridge Length (Abutment to Abutment) 56

Flow Width (Effective Opening) 17

Railing NONE
Height (From ground to top of railing) _____

Length _____ Material _____

Low Steel from Bridge Deck (if accessible) 1.45'

Pier Size**
Width NONE

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge LT END 412 / RT END 413

Downstream side of Bridge LT END 414 / RT END 415

Channel Upstream of the Bridge 410

Channel Downstream of the Bridge 411

Along road facing left 408

Along road facing right 409

PHOTOS TAKEN
SAT 30-JAN-16

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

WOOD WINGWALLS
WOOD ABUTMENTS
1.3 STEEL STRINGER
0.15 WOOD DECK

Bridge Checklist

Street Name: _____

Span No: _____

Span Length: _____
Span Width: _____

Bridge Deck Width: _____

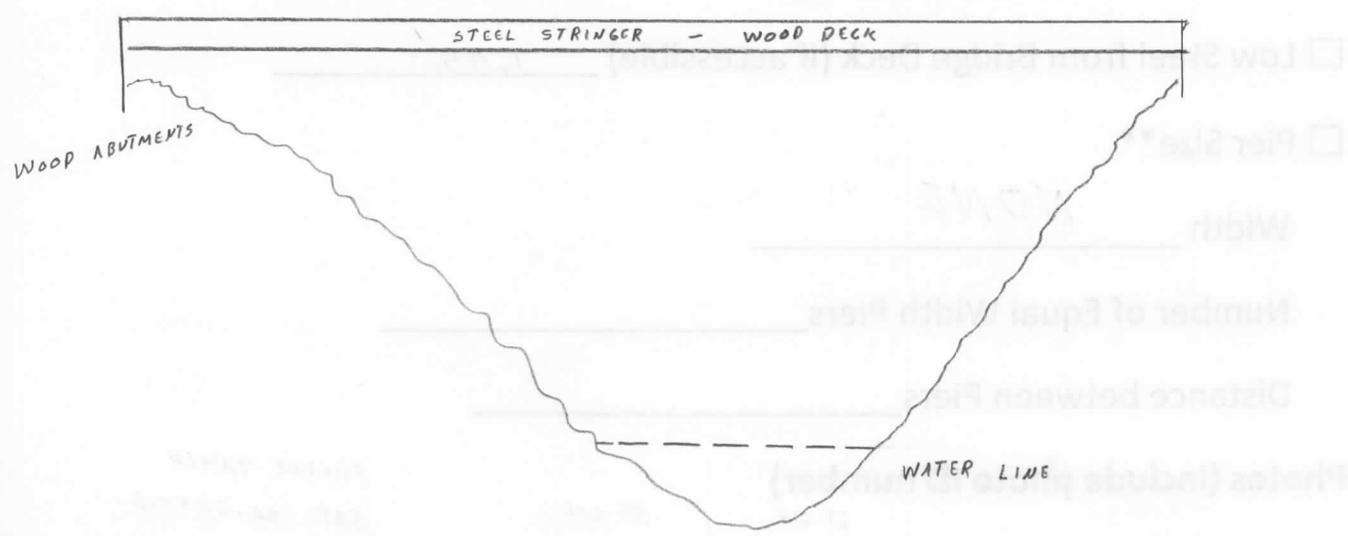
Bridge Length (Abutment to Abutment): _____

Flow Width (Effective Opening): _____

Railing: _____

Height (from ground to top of railing): _____

Material: _____



Low Span: _____

Pier Size: _____

Width: _____

Number of Equal Width Piers: _____

Distance between Piers: _____

Photos (include _____)

Upstream side of bridge: _____

Downstream side of bridge: _____

Channel Upstream of the Bridge: _____

Channel Downstream of the Bridge: _____

Along road facing left: _____

Along road facing right: _____

*Include a sketch of the structure

**Check to ensure all piers are equal width, otherwise there will be varying widths

Bridge Checklist

Street Name YOR COUNTRY CLUB

XS FID 465
BRIDGE 8

Bridge Deck Width 7.0'

Bridge Length (Abutment to Abutment) 60.0'

WOOD WINGWALLS
WOOD ABUTMENTS
1.3' STEEL STRINGER
0.15 WOOD DECK

Flow Width (Effective Opening) 21'

Railing

NONE
Height (From ground to top of railing) _____

Length _____ Material _____

Low Steel from Bridge Deck (if accessible) 1.45'

Pier Size**

NONE
Width _____

Number of Equal Width Piers NONE

Distance between Piers _____

Photos (include photo ID number)

PHOTOS TAKEN
SAT 30-JAN-16

Upstream side of Bridge 406

Downstream side of Bridge 407

Channel Upstream of the Bridge 404

Channel Downstream of the Bridge 405

Along road facing left 402

Along road facing right 403

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name YAL COCKET CYP

KS PD 4-27

Bridge Deck Width _____

Bridge Length (Abutment to Abutment) _____

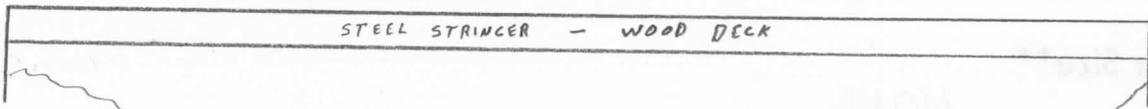
Flow Width (Effective Opening) _____

Railing _____

Height (from ground to top of railing) _____

Length _____

Low Steel from Bridge Deck (if accessible) _____



WOOD
ABUTMENTS

WATER LINE

Distance between Piers _____

Photos (include photo ID number) _____

Upstream side of bridge _____

Downstream side of bridge _____

Channel Upstream of the bridge _____

Channel Downstream of the bridge _____

Along road facing left _____

Along road facing right _____

Include a sketch of the structure _____

**Check to insure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 466.3
BRDG 9

Bridge Deck Width 12.0

Bridge Length (Abutment to Abutment) 89.0'

Flow Width (Effective Opening) 17'

WOOD ABUTMENTS
WOOD WINGWALLS
1.5 STEEL STRINGER
0.25 WOOD DECK

Railing NONE

Height (From ground to top of railing) _____

Length _____ Material _____

Low Steel from Bridge Deck (if accessible) 1.75'

Pier Size** 2 SETS OF PILING
EACH SET IS 1 ROW OF 4
0.7' DIA ROUND WOOD

Width _____

Number of Equal Width Piers 2

Distance between Piers RT 21 / CNTR 45 / LT 23

Photos (include photo ID number)

PHOTOS TAKEN
SAT 30-JAN-16

Upstream side of Bridge LT END 396 / CENTER 397 / RT END 398

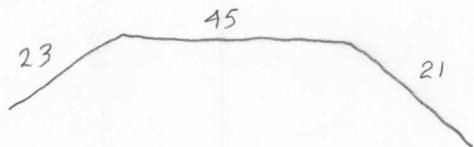
Downstream side of Bridge LT END 399 / CENTER 400 / RT END 401

Channel Upstream of the Bridge 394

Channel Downstream of the Bridge 395

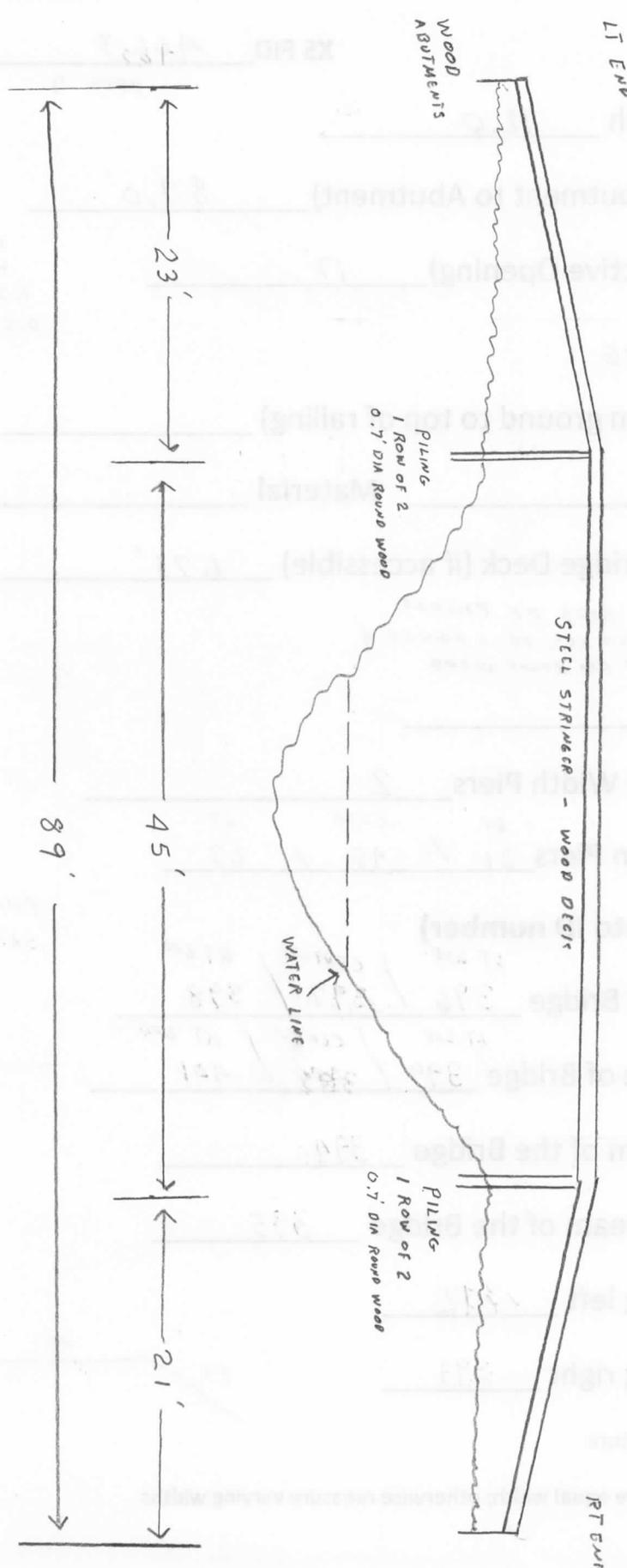
Along road facing left 392

Along road facing right 393



*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths



Street Name: _____
 Project No: _____
 Date: _____

Bridge Checklist

- Bridge Deck Width
- Bridge Length (Abutment to Abutment)
- Flow Width (Effective Opening)
- Rating
- Height (from road to top of railing)
- Low Steel from Bridge Deck (if applicable)
- Pier Size**
- Width
- Number of Equal Width Piers
- Distance between
- Photos (include photo number)
- Upstream side of bridge
- Downstream side of bridge
- Channel Upstream of the Bridge
- Channel Downstream of the Bridge
- Along road facing left
- Along road facing right

Notes:
 1. All dimensions are in feet.
 2. See plan view for location of bridge.

TUESDAY 12-JAN-16

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 468.3

BRDG 10

Bridge Deck Width 7.0'

Bridge Length (Abutment to Abutment) 107.0'

Flow Width (Effective Opening) 19

WOOD WINGWALLS
WOOD ABUTMENTS
1.25 STEEL STRINGER
0.15 WOOD DECK

Railing NONE

Height (From ground to top of railing) _____

Length _____ Material _____

Low Steel from Bridge Deck (if accessible) 1.4'

Pier Size**

Width _____

Number of Equal Width Piers 8 / 45 / 11 / 20 / 23

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge 378 / 379 / 380

PHOTOS TAKEN
SAT 30-JAN-16

Downstream side of Bridge 381 / 382 / 383

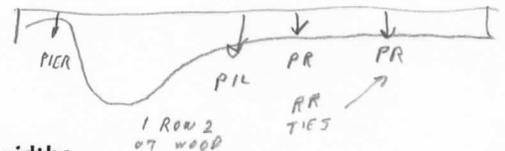
Channel Upstream of the Bridge 376

Channel Downstream of the Bridge 377

Along road facing left 374

Along road facing right 375

*Include a sketch of the structure



**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name: _____

Job No: _____

Bridge Deck Width: _____

Bridge Length (Abutment to Abutment): _____

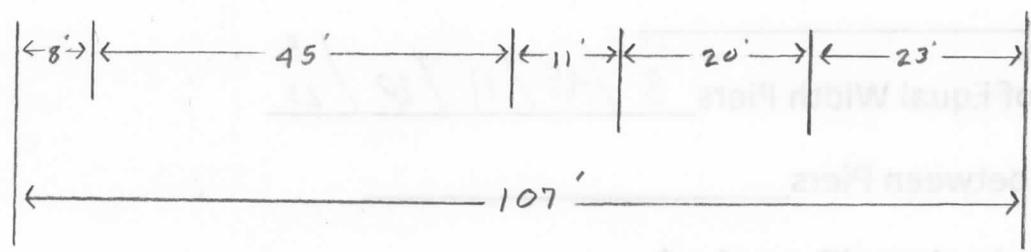
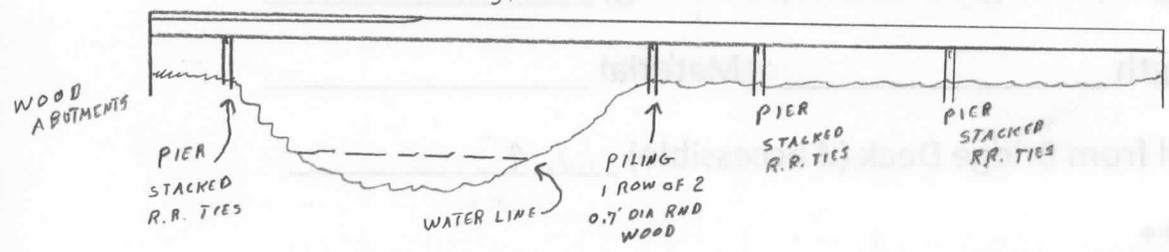
Flow Width (Effective Opening): _____

Railing: _____

LT END

RT END

STEEL STRINGER - WOOD DECK - NO RAILING



- Photos (include photo ID number)
- Upstream side of Bridge
- Downstream side of Bridge
- Channel Upstream of the Bridge
- Channel Downstream of the Bridge
- Along road facing left
- Along road facing right

Bridge Checklist

Street Name YORK COUNTRY CLUB

XS FID 469

GOLF COURSE BRDG
NEW

Bridge Deck Width 8.0 FT,

Bridge Length (Abutment to Abutment) 60.0 FT,

Flow Width (Effective Opening) 18.0 FT

Railing

NONE

Height (From ground to top of railing) _____

Length _____ Material _____

Low ^{CONCRETE} Steel from Bridge Deck (if accessible) 3.0

Pier Size**

NONE

Width _____

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge

<small>LT END</small>	/	<small>RT END</small>
<u>388</u>		<u>389</u>

Downstream side of Bridge

<small>LT END</small>	/	<small>RT END</small>
<u>390</u>		<u>391</u>

Channel Upstream of the Bridge 386

Channel Downstream of the Bridge 387

Along road facing left 385

Along road facing right 384

CONCRETE ABUTMENTS
CONCRETE WING WALLS
1 PIECE CONCRETE
STRINGER & DECK

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name (If Accessible) _____

KS No. _____

Bridge Deck Width (ft) _____

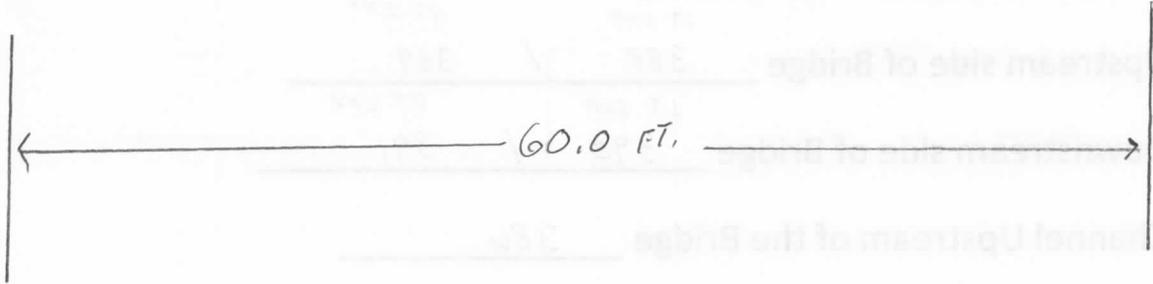
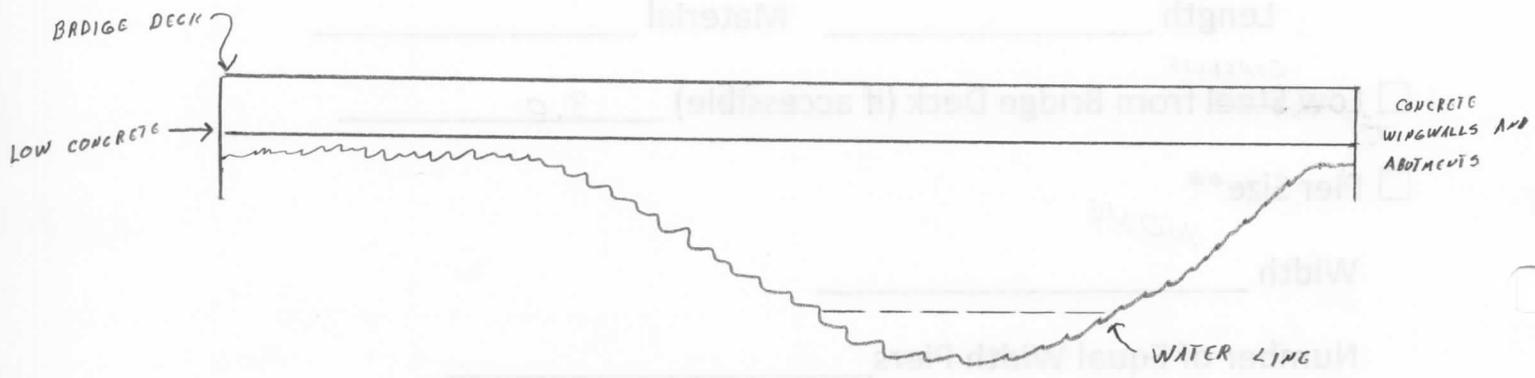
Bridge Length (Abutment to Abutment) (ft) _____

Flow Width (Effective Opening) (ft) _____

Railing _____

Height (From ground to top of railing) _____

Material _____



Vertical text on the left side, possibly a checklist or notes, partially obscured.

*Check to ensure all lines are equal width; when lines measure varying widths

*Include a sketch of the structure

Along road facing right _____

Along road facing left _____

Channel Downstream of the Bridge _____

Channel Upstream of the Bridge _____

Distance between Piers _____

Photos (include photo ID number) _____

Stream side of Bridge _____

Photos (include photo ID number) _____

Bridge Checklist

Street Name U.S. HWY 81 BRIDGE # 06123
BEAVER CREEK

XS FID 470.3

CONCRETE WINGWALLS
CONCRETE ABUTMENTS
3.0' CONC STRINGER
0.7' CONC DECK

Bridge Deck Width 89.0

Bridge Length (Abutment to Abutment) 222.0'

Flow Width (Effective Opening) 16'

Railing

Height (From ground to top of railing) 2.6' HIGH

Length 280.0' Material CONCRETE

Low Steel from Bridge Deck (if accessible) 3.7'

Pier Size** 2 CONCRETE PIERS

Width 2.5' WIDE SOLID CONCRETE - POINTED - STEEL FACED

Number of Equal Width Piers 2

Distance between Piers LT 68 / CNTR 86.5 / RT 67.5 2929

Photos (include photo ID number)

PHOTOS TAKEN
SAT 30-JAN-16

Upstream side of Bridge LT END 368 / CENTER 369 / RT END 370

Downstream side of Bridge LT END 371 / CENTER 372 / RT END 373

Channel Upstream of the Bridge 366

Channel Downstream of the Bridge 367

Along road facing left 364

Along road facing right 365

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Project Name: _____

Location: _____
Date: _____

Bridge Deck Width: _____

Bridge Length (Abutment to Abutment): _____

Flow Width (Effective Opening): _____

Rating: _____

LT END

RT END

CONCRETE RAILING

CONCRETE STRINGER - CONCRETE DECK

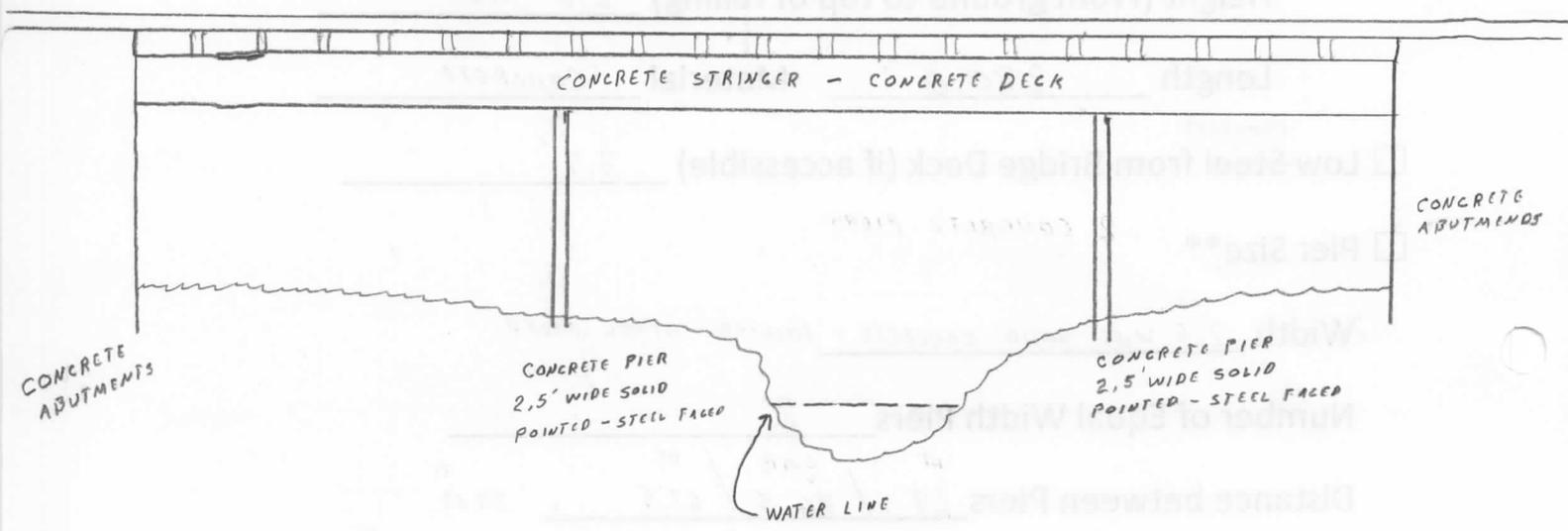
CONCRETE ABUTMENTS

CONCRETE ABUTMENTS

CONCRETE PIER
2.5' WIDE SOLID
POINTED - STEEL FACED

CONCRETE PIER
2.5' WIDE SOLID
POINTED - STEEL FACED

WATER LINE



Photos (include photo ID number): _____

Upstream side of Bridge: _____

Downstream side of Bridge: _____

Channel Upstream of the Bridge: _____

Channel Downstream of the Bridge: _____

Along road facing left: _____

Along road facing right: _____

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths

Bridge Checklist

Street Name COUNTY ROAD "K"

XS FID 478.3 BEAVER CREEK

Bridge Deck Width 23'

Bridge Length (Abutment to Abutment) 39'

Flow Width (Effective Opening) 9'

Railing

Height (From ground to top of railing) 2.0' SOLID CONCRETE WALL
0.8' STEEL RAILING ABOVE CONCRETE WALL

Length 39 Material CONC & STEEL

CONCRETE

Low ~~Steel~~ from Bridge Deck (if accessible) 3.5'

Pier Size**

NONE

Width _____

Number of Equal Width Piers _____

Distance between Piers _____

Photos (include photo ID number)

Upstream side of Bridge 538

Downstream side of Bridge 539

Channel Upstream of the Bridge 536

Channel Downstream of the Bridge 537

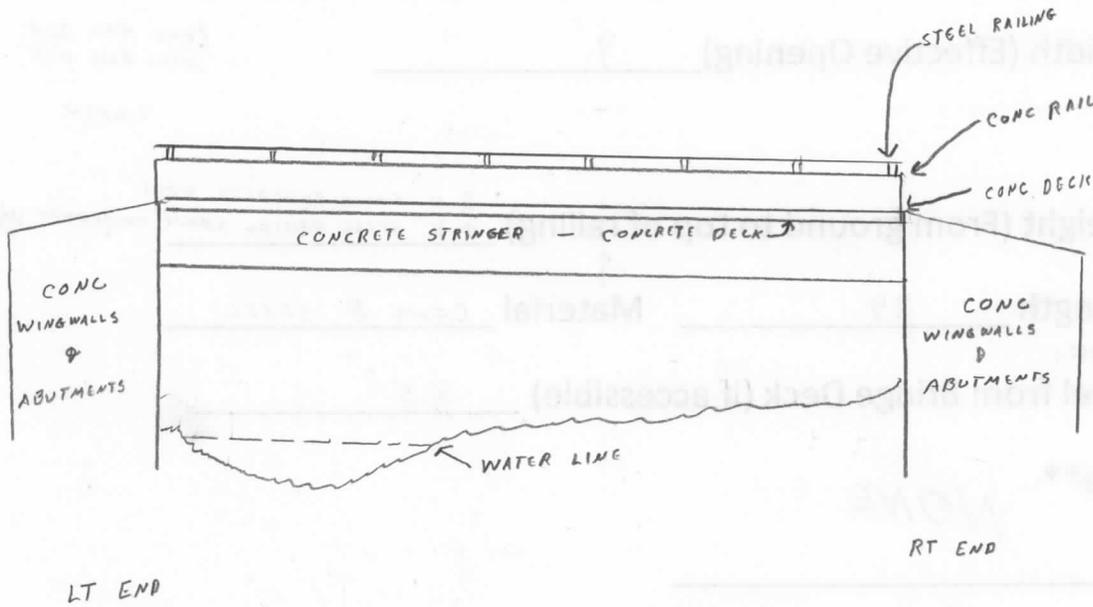
Along road facing left 535

Along road facing right 534

PHOTOS TAKEN
01-FEB-16

*Include a sketch of the structure

**Check to ensure all piers are equal width; otherwise measure varying widths



Culvert Checklist

Street Name NOBES RD

XS FID 506.3 TRIB "A"

Culvert Type and Material CONCRETE

Culvert Shape BOX

Number of barrels/openings 2 8' WIDE X 8' HIGH
1.6' CONCRETE HEADWALL

Pier width 0.6'

Culvert face

Wingwalls (yes/no) YES

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Railing Shape and Size

Road Length ^{WIDTH} 24'

Railing Length NONE

Culvert Length 75.5

Railing Height _____

Culvert Width 8.0' EACH BARREL

Railing Material _____

Culvert Height 8.0' EACH BARREL

Photos (include photo ID number)

Inlet 553

01-FEB-16

Outlet 551

Channel Upstream of the Culvert 549

Channel Downstream of the Culvert 550

Along road facing left 547

Along road facing right 548

Inside Culvert 552

Culvert Checklist

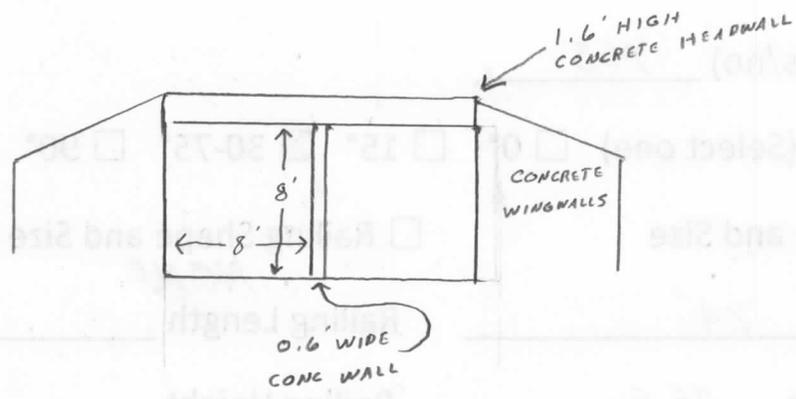
Sheet Name: Sheet 1
Date: 10/15/14

Culvert Type and Material: CONCRETE

Culvert Shape: 8'x8'

Number of barrels/openings: 1

Pier width: 0.6'



Culvert face:

Wingwalls (yes/no):

Angle of Wall (select one):

Culvert Shape and Size:

road length:

Culvert length:

Culvert Width:

Culvert Height:

Photos (include photo ID number):

Intert:

Outlet:

Channel Upstream of the Culvert:

Channel Downstream of the Culvert:

Along road facing left:

Along road facing right:

Inside Culvert:

Culvert Checklist

Street Name EAST 4TH STREET

XS FID 512.3 TRIB "A"

Culvert Type and Material CONCRETE

Culvert Shape BOX

Number of barrels/openings 2 8' WIDE X 8' HIGH
1.6' CONC HEADWALL

Pier width 0.6'

Culvert face

Wingwalls (yes/no) YES

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

WIDTH
Road Length 23'

Culvert Length 42.0'

Culvert Width 8.0' EACH BARREL

Culvert Height 8.0' EACH BARREL

Railing Shape and Size

NONE
Railing Length _____

Railing Height _____

Railing Material _____

Photos (include photo ID number)

Inlet 560

Outlet 558

Channel Upstream of the Culvert 556

Channel Downstream of the Culvert 557

Along road facing left 555

Along road facing right 559

Inside Culvert 559

MON 01-FEB-16

Culvert Checklist

Street Name 101st St

RD No. 101st St

Culvert Type and Material CONCRETE

Culvert Shape BOX

Number of bays/openings 1

Pier width 0.6

Culvert face

Wingwalls (yes/no) yes

Angle of Wall (select one) 0°

Culvert Shape and Size

Road Length 23

Culvert Length 15.5

Culvert Width 8

Culvert Height 8

Photos (include photo ID number)

Inlet 500

Outlet 500

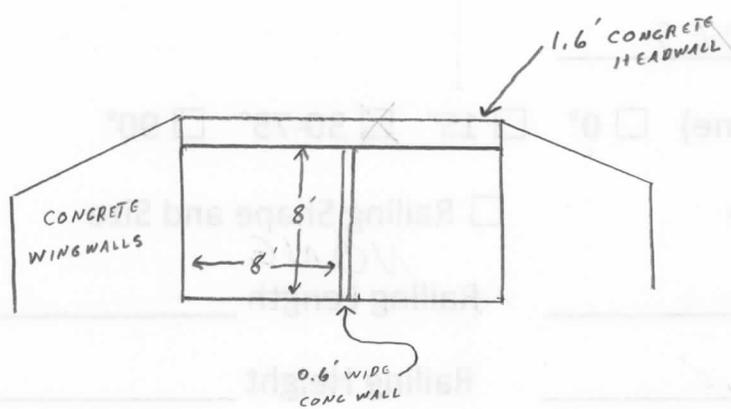
Channel Upstream of the Culvert 500

Channel Downstream of the Culvert 500

Along road facing left 500

Along road facing right 500

Inside Culvert 500



Culvert Checklist

Street Name N MAINE AVE

XS FID 516.3 TRIB "A"

Culvert Type and Material CONCRETE

Culvert Shape BOX

Number of barrels/openings 2

8' WIDE X 7' HIGH
1.6 CONC HEADWALL

Pier width 0.6'

Culvert face

Wingwalls (yes/no) YES

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

^{WIDTH}
Road Length 32'

Culvert Length 98.0'

Culvert Width 8.0' EACH BARREL

Culvert Height 7.0' EACH BARREL

Railing Shape and Size

NONE
Railing Length _____

Railing Height _____

Railing Material _____

Photos (include photo ID number)

01-FEB-16

Inlet 565

Outlet 567

Channel Upstream of the Culvert 563

Channel Downstream of the Culvert 564

Along road facing left 561

Along road facing right 562

Inside Culvert 566

Culvert Checklist

Street Name: _____
X&Y: _____

Culvert Type and Material: _____

Culvert Shape: _____

Number of barrels/openings: _____

Pier width: _____

Culvert face: _____

Wingwalls (yes/no): _____

Angle of Wall (select one): 0° 15° 30°

Culvert Shape and Size: _____

Road Length: _____

Culvert Length: _____

Culvert Width: _____

Culvert Height: _____

Photos (include photo ID number): _____

Inlet _____

Outlet _____

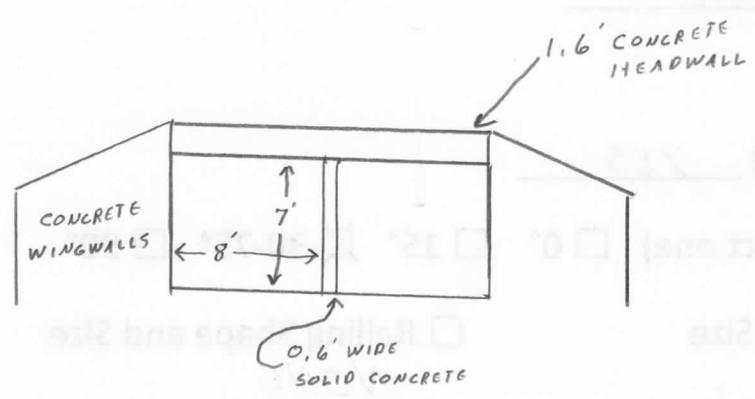
Channel Upstream of the Culvert _____

Channel Downstream of the Culvert _____

Along road facing left _____

Along road facing right _____

Inside Culvert _____



Culvert Checklist

Street Name EAST 8TH STREET

XS FID 518.3 TRIB "A"

Culvert Type and Material CONCRETE

Culvert Shape ROUND

Number of barrels/openings 2

Pier width 2.4'

1.1' CONCRETE HEADWALL
2.4 WALL
9.4' E TO E
17' WIDE CONC HEADWALL

Culvert face

Wingwalls (yes/no) YES

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

WIDTH
Road Length 33'

Culvert Length 45.0'

Culvert Width 7.0' DIA RND CONC
EACH BARREL

Culvert Height _____

Railing Shape and Size

Railing Length 41.0'

Railing Height 3.0'

Railing Material STEEL GAURD RAIL

Photos (include photo ID number)

Inlet 573

Outlet 572

Channel Upstream of the Culvert 570

Channel Downstream of the Culvert 571

Along road facing left 569

Along road facing right 568

Inside Culvert 574

MON 01-FEB-16

Culvert Checklist

Project Name _____

Job No. _____

Culvert Type and Material _____

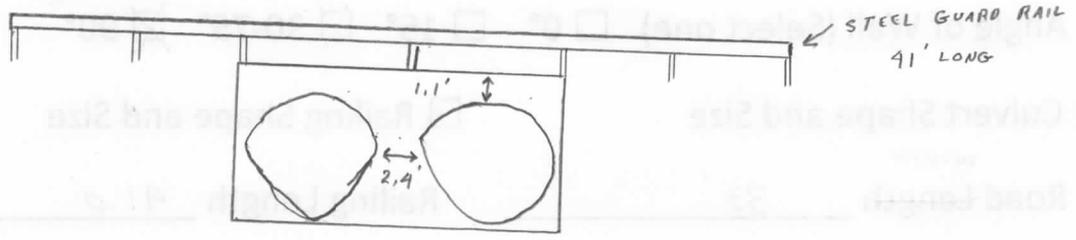
Culvert Shape _____

Number of barrels/openings _____

Pier width _____

Culvert face _____

Wingwalls (yes/no) _____



2 7.0' DIA ROUND CONCRETE PIPES
45.0' LONG

Photos (include photo ID number)

Inlet _____

Outlet _____

Channel Upstream of the Culvert _____

Channel Downstream of the Culvert _____

Along road facing left _____

Along road facing right _____

Inside Culvert _____

Culvert Checklist

Street Name EAST 9TH STREET

XS FID 522,3 TRIB "A"

Culvert Type and Material CONCRETE

Culvert Shape ROUND

Number of barrels/openings 1

7.0' DIA, ROUND CONC PIPE
1.5 HEADWALL
8.0' CONC HEADWALL

Pier width NONE

Culvert face

Wingwalls (yes/no) YES

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Railing Shape and Size

Road Length 33'

NONE

Railing Length _____

Culvert Length 77.5'

Railing Height _____

Culvert Width 7.0' DIA RND CONC PIPE

Railing Material _____

Culvert Height _____

Photos (include photo ID number)

Inlet 581

MON 01-FEB-16

Outlet 579

Channel Upstream of the Culvert 577

Channel Downstream of the Culvert 578

Along road facing left 576

Along road facing right 575

Inside Culvert 580

Culvert Checklist

Street Name: _____

KS PD _____

Culvert Type and Material _____

Culvert Shape _____

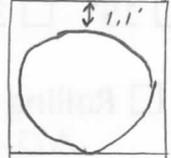
Number of barrels/openings _____

Pier width _____

Culvert face _____

Wingwalls (yes/no) _____

Angle of Wall (select one) 0° 90°



7.0' DIA. ROUND CONCRETE PIPE

77.5' LONG

8.0' CONCRETE HEADWALL WIDTH

Culvert Shape and Size _____

Road Length _____

Culvert Length _____

Culvert Width _____

Culvert Height _____

Photos (include photo ID number)

Inlet _____

Outlet _____

Channel Upstream of the Culvert _____

Channel Downstream of the Culvert _____

Along road facing left _____

Along road facing right _____

Inside Culvert _____

Culvert Checklist

Street Name ASSUMED OLD RAILROAD GRADE

XS FID 526.0 TRIB "A"

Culvert Type and Material STONE

Culvert Shape DOMED

6.0' WIDE X 9.0' HIGH

Number of barrels/openings 1

STONE WINGWALLS

STONE HEADWALL

4.3' STONE HEADWALL ABOVE CLVT DOME

Pier width NONE

Culvert face

Wingwalls (yes/no) YES - STONE BLOCK

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Railing Shape and Size

Road Length _____

NONE
Railing Length _____

Culvert Length 48.0'

Railing Height _____

Culvert Width 6.0' WIDE

Railing Material _____

Culvert Height 9.0' HIGH

Photos (include photo ID number)

Inlet 588

MON - 01-FEB-16

Outlet 586

Channel Upstream of the Culvert 584

Channel Downstream of the Culvert 585

Along road facing left 582

Along road facing right 583

Inside Culvert 587

Culvert Checklist

Street Name: _____
KS No: _____

Culvert Type and Material: _____

Culvert Shape: _____

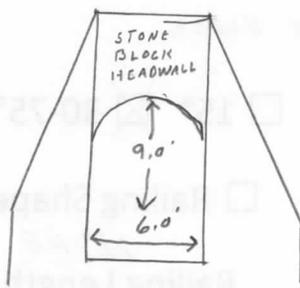
Number of bays/openings: _____

Pier width: _____

Culvert face: _____

Wingwalls (yes/no): _____

Angle of Wall (select one) 0° 45° 90°



Culvert Shape and Size: _____

Road length: _____

Culvert length: _____

Culvert width: _____

Culvert height: _____

Photos (include photo ID number)

Inlet: _____

Outlet: _____

Channel Upstream of the Culvert: _____

Channel Downstream of the Culvert: _____

Along road facing left: _____

Along road facing right: _____

Inside Culvert: _____

Culvert Checklist

Street Name N FLORIDA AVE

XS FID 530.3 TRIB "A"

Culvert Type and Material CONCRETE

Culvert Shape ROUND

Number of barrels/openings 1

Pier width NA

OUTLET OF CULVERT IS ON THE EAST SIDE OF N FLORIDA AVE. THE INLET OF THIS CULVERT IS ON THE WEST SIDE OF N DELAWARE AVE.

Culvert face

Wingwalls (yes/no) NO

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Road Length _____

Culvert Length _____

Culvert Width 6.0' DIA. ROUND

Culvert Height _____

Railing Shape and Size

NONE
Railing Length _____

Railing Height _____

Railing Material _____

Photos (include photo ID number)

Inlet _____

Outlet 591

Channel Upstream of the Culvert _____

Channel Downstream of the Culvert 593

Along road facing left ~~588~~ 589

Along road facing right 590

Inside Culvert 592

MON 01-FEB-16

Culvert Checklist

Street Name N DELAWARE AVE

XS FID 534.3 TRIB "A"

Culvert Type and Material CONCRETE

Culvert Shape ROUND

Number of barrels/openings 1

Pier width NA

INLET OF CULVERT IS ON THE WEST SIDE OF N DELAWARE AVE. OUTLET OF THIS CULVERT IS ON THE EAST SIDE OF N FLORIDA AVE.

Culvert face

CONCRETE HEADWALL
12.8' WIDE X 6.3' HIGH

Wingwalls (yes/no) NO

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Railing Shape and Size

Road Length _____

NONE
Railing Length _____

Culvert Length _____

Railing Height _____

Culvert Width _____

Railing Material _____

Culvert Height _____

CULVERT OPENING IS 7.8' WIDE X 4.8' HIGH OVAL CONCRETE. AT THE HEADWALL,

Photos (include photo ID number)

Inlet 597 / 598

AT 9.5' INSIDE OF HEADWALL, THE CULVERT NARROWS TO A 5.0' DIA. ROUND CONCRETE PIPE

Outlet _____

Channel Upstream of the Culvert 596

Channel Downstream of the Culvert _____

MON 01-FEB-16

Along road facing left 594

Along road facing right 595

Inside Culvert 599

Culvert Checklist

Street Name E 19TH STREET

XS FID 538.3 TRIB "A"

Culvert Type and Material CONCRETE

Culvert Shape OVAL 5.0' WIDE X 3.3' HIGH

Number of barrels/openings 1

Pier width NA

Culvert face NO HEADWALL

Wingwalls (yes/no) NO

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Road ^{WIDTH} Length 33'

Culvert Length 81.7'

Culvert Width 5.0'

Culvert Height 3.3 } OVAL CONCRETE

Railing Shape and Size

NONE
Railing Length _____

Railing Height _____

Railing Material _____

Photos (include photo ID number)

Inlet 605

Outlet 604

Channel Upstream of the Culvert 602

Channel Downstream of the Culvert 603

Along road facing left 601

Along road facing right 600

Inside Culvert 606

MON 01-FEB-16

THUR 14-JAN-16

Culvert Checklist

Street Name EAST NOBES RD

XS FID 602.3

Culvert Type and Material CONCRETE

Culvert Shape ROUND

6.0' DIA. RND CONC

1.2

Number of barrels/openings 2

16' WIDE HEADWALL
7.2' HIGH HEADWALL

Pier width 3.0'

Culvert face

Wingwalls (yes/no) YES

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Railing Shape and Size

Road ^{WIDTH} Length 33

Railing Length 16'

Culvert Length 76'

Railing Height 3.6

Culvert Width 6.0'

Railing Material STEEL PIPE

Culvert Height 6.0'

Photos (include photo ID number)

Inlet 544

MON 01-FEB-16

Outlet 545

Channel Upstream of the Culvert 542

Channel Downstream of the Culvert 543

Along road facing left 541

Along road facing right 540

Inside Culvert 546

Culvert Checklist

Street Name S GRANT AVE.

XS FID 704.3

Culvert Type and Material CONCRETE

Culvert Shape BOX

14.2' WIDE X 6.8' HIGH

21.8 HEADWALL X 1.0'

Number of barrels/openings 1

Pier width NA

Culvert face

Wingwalls (yes/no) YES

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Railing Shape and Size

WIDTH
Road Length 22'

Railing Length 21'

Culvert Length 28.4

Railing Height 2.1

Culvert Width 14.2

Railing Material STEEL GUARD RAIL

Culvert Height 6.8

Photos (include photo ID number)

Inlet 627

MON 01-FEB-16

Outlet 628

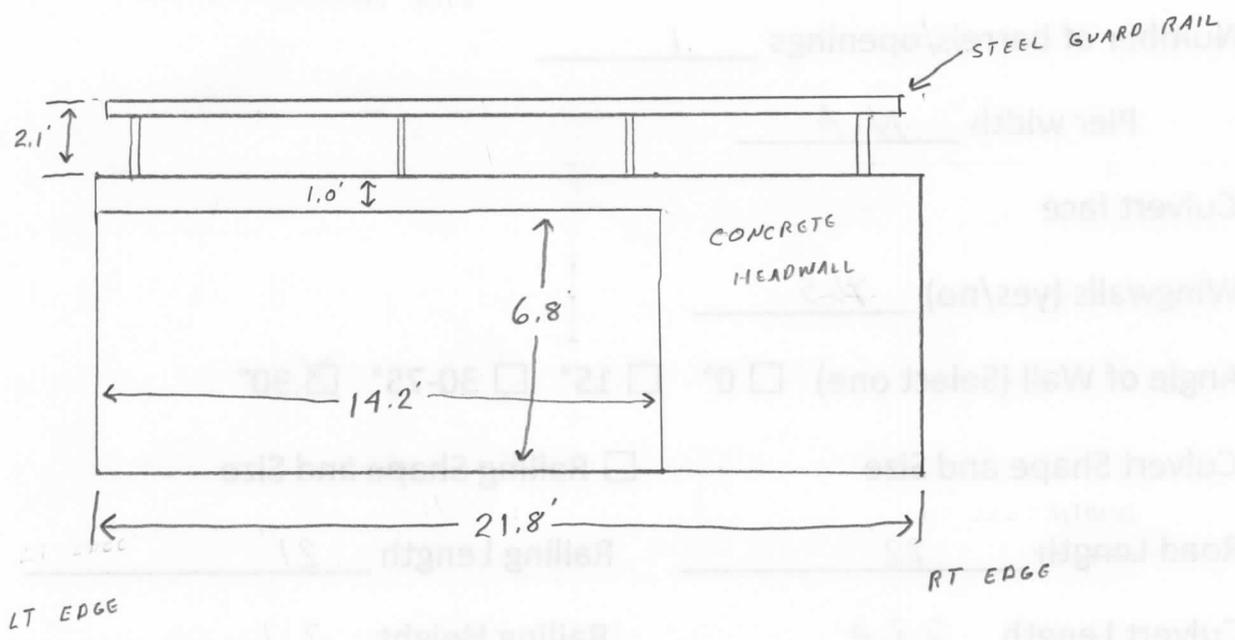
Channel Upstream of the Culvert 624

Channel Downstream of the Culvert 625

Along road facing left 622

Along road facing right 623

Inside Culvert 626



Culvert Checklist

Street Name SOUTH LINCOLN AVE

XS FID 712.3

CLVT OUTLET

Culvert Type and Material CONCRETE

Culvert Shape BOX

10' WIDE X 8' HIGH

2.0' HEADWALL

Number of barrels/openings 1

OUTLET OF CULVERT IS ON THE EAST SIDE OF S LINCOLN AVE.

Pier width NA

INLET OF CULVERT IS ON THE WEST SIDE OF U.S. HWY 81 BYPASS

Culvert face

Wingwalls (yes/no) YES

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Railing Shape and Size

NONE

Road Length _____

Railing Length _____

Culvert Length _____

Railing Height _____

Culvert Width 10.0'

Railing Material _____

Culvert Height 8.0'

Photos (include photo ID number)

Inlet _____

Outlet 620

Channel Upstream of the Culvert _____

Channel Downstream of the Culvert 619

Along road facing left 618

Along road facing right 617

Inside Culvert 621

Culvert Checklist

Street Name: _____

KSID: _____

Culvert Type and Material: CONCRETE

Culvert Shape: BOX

Number of barrels/openings: 1

Pier width: 4.0

Culvert face

Wingwalls (yes) ALL CONCRETE

Angle of wall (select one) 0° 30-75° 90°

Culvert shape and size

Road length: _____

Culvert length: _____

Culvert Width: 10.0

Culvert Height: 8.0

Photos (include photo ID number)

Inlet _____

Outlet _____

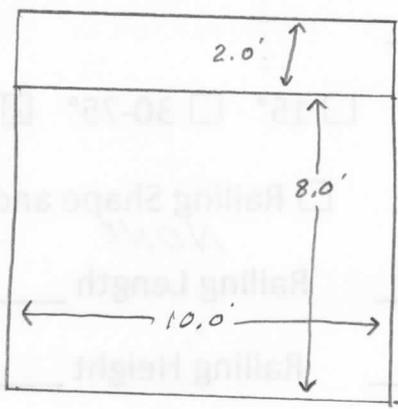
Channel Upstream of the Culvert _____

Channel Downstream of the Culvert _____

Along road facing left: 613

Along road facing right: 613

Inside Culvert: 611



Culvert Checklist

Street Name U.S. HWY 81 BYPASS

XS FID 714.1

CLVT INLET

Culvert Type and Material CONCRETE

Culvert Shape BOX

Number of barrels/openings 1

Pier width NA

1.6 CONC HEADWALL
INLET OF CULVERT IS ON THE
WEST SIDE OF U.S. HWY 81 BYPASS,
OUTLET OF CULVERT IS ON EAST SIDE
OF S LINCOLN AVE.

Culvert face

Wingwalls (yes/no) YES

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Railing Shape and Size

NONE

Road Length _____

Railing Length _____

Culvert Length _____

Railing Height _____

Culvert Width 10.0'

Railing Material _____

Culvert Height 10.0'

Photos (include photo ID number)

Inlet 615

MON 01-FEB-16

Outlet _____

Channel Upstream of the Culvert 614

Channel Downstream of the Culvert _____

Along road facing left 613

Along road facing right 612

Inside Culvert 616

Culvert Checklist

Sheet Name: _____

Sheet No: _____

Culvert Type and Material: _____

Culvert Size: _____

Number of Barrels/Openings: _____

Per width: _____

Culvert Face: _____

Wingwalls (yes/no): _____

Angle of Wall (select one): _____

Culvert Shape and Size: _____

Road length: _____

Culvert length: _____

Culvert Width: _____

Culvert Height: _____

Photos (include photo ID number): _____

Int: _____

Outlet: _____

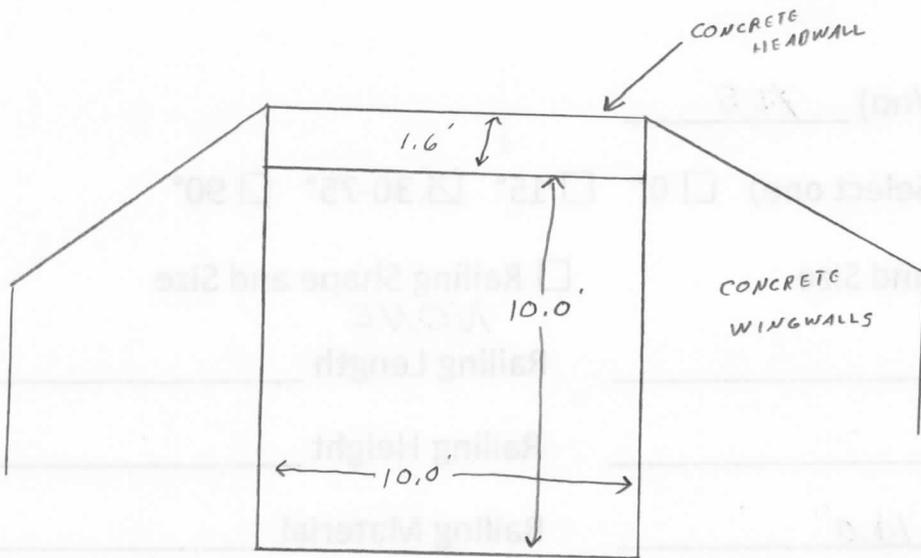
Channel Upstream of the Culvert: _____

Channel Downstream of the Culvert: _____

Along road facing left: _____

Along road facing right: _____

Inside Culvert: _____



Culvert Checklist

Street Name COUNTY ROAD 11

XS FID 718.3

Culvert Type and Material CMP

Culvert Shape OVAL

Number of barrels/openings 1

Pier width NA

Culvert face

Wingwalls (yes/no) YES - WOOD

Angle of Wall (Select one) 0° 15° 30-75° 90°

Culvert Shape and Size

Railing Shape and Size

Road Length 29'

Railing Length NONE

Culvert Length 71'

Railing Height _____

Culvert Width 9.4'

Railing Material _____

Culvert Height 6.4'

Photos (include photo ID number)

Inlet 611

MON 01-FEB-16

Outlet _____

Channel Upstream of the Culvert 609

Channel Downstream of the Culvert 610

Along road facing left 607

Along road facing right 608

Inside Culvert _____

Culvert Checklist

Street Name _____

ASFD 11.3

Culvert Type and Material _____

Culvert Shape _____

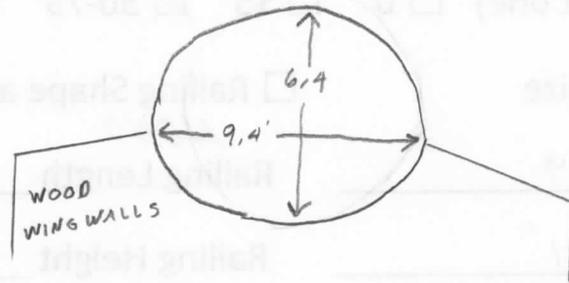
Number of barrel openings _____

Pier width _____

Culvert face _____

Wingwalls (yes/no) _____

Angle of Wall (select one) 0° 15° 30-75° 90°



Culvert Shape and Size _____

Road length _____

Culvert length _____

Culvert width _____

Culvert height _____

Photos (include photo ID number) _____

Inlet _____

Outlet _____

Channel Upstream of the Culvert _____

Channel Downstream of the Culvert _____

Along road facing left _____

Along road facing right _____

Inside Culvert _____

ATTACHMENT 2
PARTIAL PHOTOGRAPH LIST

Section
482 Looking York .jpg

1/31/16

1	482	DS	486
2	482	US	487
3	480	DS	488
4	480	US	489
5	476	DS	490
6	476	US	491
7	474	DS	492
8	474	US	493
9	472	DS	494
10	472	US	495
	460	DS	496
	460	US	497
	900	DS	498
	900	US	499
	442	DS	500
	442	US	501
	438	DS	502
	438	US	503
	434	DS	504
	434	US	505
	700	DS	506
	700	US	507
	430	DS	508
	430	US	509

426 DS 510

426 US 511

424 DS 512

424 US 513

422 DS 514

422 US 515

420 DS 516

420 US 517

418 DS 518

418 US 519

416 DS 520

416 US 521

~~500 DS~~

~~500 US~~

414 DS 522

414 US 523

410 DS 524

410 US 525

408 DS 526

408 US 527

406 DS 528

406 US 529

404 DS 530

404 US 531

400 DS 532

400 US 533

Red

York

2-1-16

504	DS	1
504	US	2
502	DS	3
502	US	4
500	DS	5
500	US	6
508	US	7
508	DS	8
510	US	9
510	DS	10
514	US	11
514	DS	12
518	US	13
518	DS	14
520	US	15
520	DS	16
524	US	17
524	DS	18
526	US	19
526	DS	20
528	US	21
528	DS	22
536	US	23
536	DS	24
540	US	25
540	DS	26

606	US	27
606	DS	28
604	US	29
604	DS	30
603	DS	31
603	US	32
600	DS	33
600	US	34
702	DS	35
702	US	36
706	US	37
706	DS	38
708	US	39
708	DS	40
710	US	41
710	DS	42
716	US	43
716	DS	44