Date Submitted: _____ Sheet _____ of _____

CONCRETE GIRDER BRIDGE RATING DATA SHEET

Structure Number _____ BIN: _____ Year Built: _____

County/City: _____ Division: _____ Feature Intersected: _____

Project Number: _____ Standard Drawing No. (If applicable): _____

Number of Spans: _____ Span Lengths: _____

DECK DETAILS

Deck: Thickness = _____inches

Overlay Material: ☐ None ☐ Asphalt: Thickness: _____inches ☐ Crushed Stone: Thickness: _____inches

☐ Dirt: Thickness: _____inches ☐ Other: _____ Thickness: _____inches

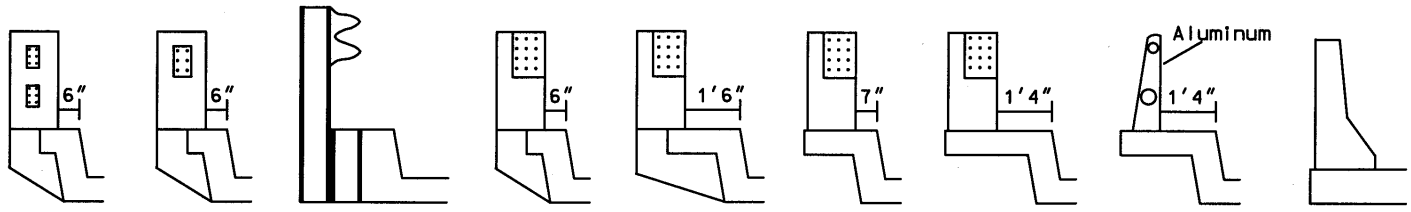
Curb: Curb Height: _____ inches Curb Width Top: _____ Bottom: _____ (inches)

Guardrail Type: ☐ Flexbeam ☐ Concrete ☐ Roundbar ☐ Timber ☐ New Jersey Barrier ☐ None

☐ Other _____

Post Material: ☐ Timber ☐ Steel ☐ Concrete ☐ None ☐ Other _____

Common Curb, Post & Rail Configurations: Circle one that applies or supply Sketch if different.



Girder Type: ☐ Reinforced Concrete Slab (Will need plans or standard drawing number to rate)

☐ Simple Span Reinforced Concrete Deck Girder

☐ Continuous Span Haunched Reinforced Concrete Deck Girder

☐ Precast Channel Spans

☐ Prestressed AASHTO or Bulb – T Girders (Will need plans or standard drawing number to rate)

☐ Simple Spans ☐ Continuous for Live Load

☐ Type I ☐ Type II ☐ Type III ☐ Type IV ☐ BT-54 ☐ BT – 63 ☐ BT – 72

☐ Other: _____

_____

_____

(Will need Plans to Rate)

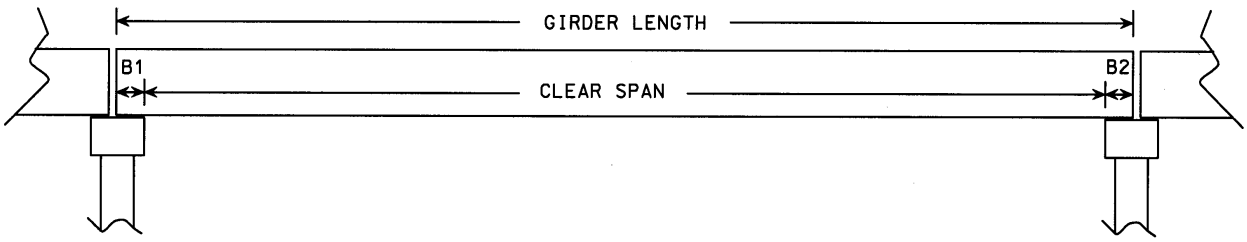
***** NOTE: All dimensions shown should be exact. Do <u>not</u> round, approximate or average measurements.**

Date Submitted: _____ BIN:_____ Sheet _____ of _____

PRECAST CONCRETE CHANNEL STRUCTURES

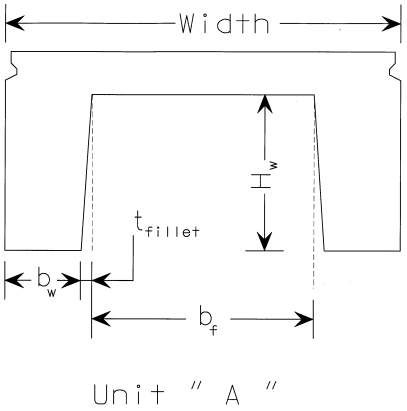
This sheet refers to spans _____

SPAN LENGTH DEFINITIONS



Girder Length: _____ Clear Span: _____ B1:_____ B2: _____**Unit**

Dimensions:



Unit " A "

Unit "A": Width = _____ b_f = _____

b_w = _____ H_w = _____ t_{fillet} = _____

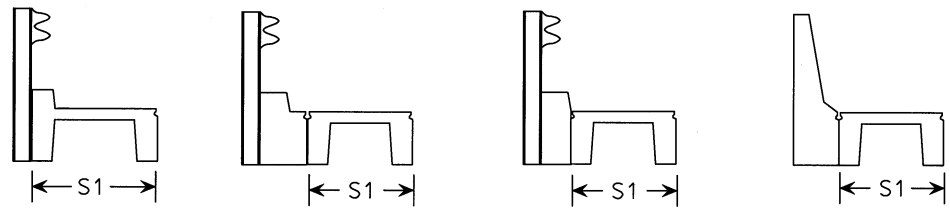
Unit "B": Width = _____ b_f = _____

b_w = _____ H_w = _____ t_{fillet} = _____

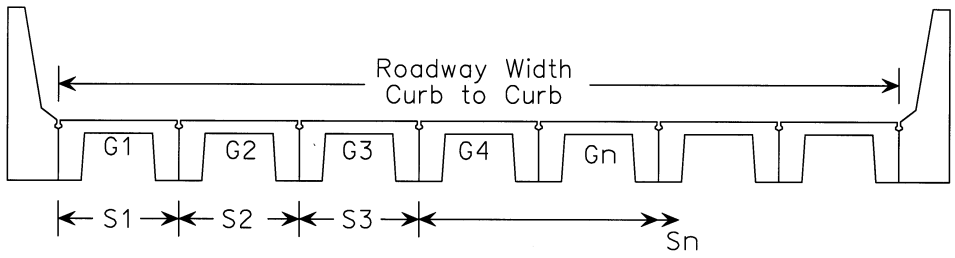
Unit "C": Width = _____ b_f = _____

b_w = _____ H_w = _____ t_{fillet} = _____

Common Curb Unit Configurations: Circle one that applies or supply Sketch if different



Cross Section: Draw Sketch of Curb Unit



Roadway Width = _____
(Curb to Curb)

G1 : _____ UNIT " " _____ "S1"
G2 : _____ UNIT " " _____ "S2"
G3 : _____ UNIT " " _____ "S3"
G4 : _____ UNIT " " _____ "S4"
G5 : _____ UNIT " " _____ "S5"
G6 : _____ UNIT " " _____ "S6"
G7 : _____ UNIT " " _____ "S7"
G8 : _____ UNIT " " _____ "S8"
G9 : _____ UNIT " " _____ "S9"
G10 : _____ UNIT " " _____ "S10"
G11 : _____ UNIT " " _____ "S11"
G12 : _____ UNIT " " _____ "S12"

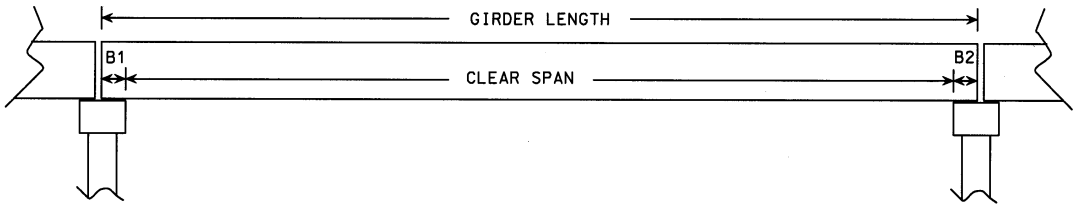
***** NOTE: All dimensions shown should be exact. Do <u>not</u> round, approximate or average measurements.**

Date Submitted: _____ BIN:_____ Sheet _____ of _____

SIMPLE SPAN REINFORCED CONCRETE DECK GIRDER STRUCTURES

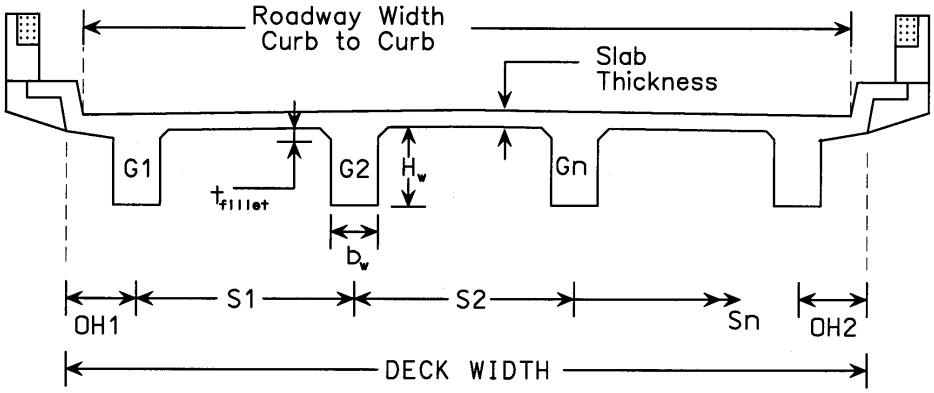
This sheet refers to spans _____

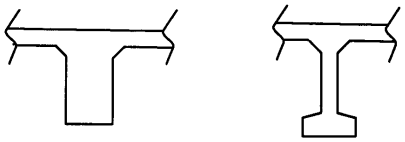
SPAN LENGTH DEFINITIONS



Girder Length: _____ Clear Span: _____ B1:_____ B2: _____

Cross Section:





CIRCLE THE GIRDER SHAPE

Roadway Width = _____ Deck Width =_____ OH1 = _____ OH2 = _____
(Curb to Curb)

G1 : b_w = _____ H_w = _____ t_{fillet} = _____ S1 = _____

G2 : b_w = _____ H_w = _____ t_{fillet} = _____ S2 = _____

G3 : b_w = _____ H_w = _____ t_{fillet} = _____ S3 = _____

G4 : b_w = _____ H_w = _____ t_{fillet} = _____ S4 = _____

G5 : b_w = _____ H_w = _____ t_{fillet} = _____ S5 = _____

G6 : b_w = _____ H_w = _____ t_{fillet} = _____ S6 = _____

G7 : b_w = _____ H_w = _____ t_{fillet} = _____ S7 = _____

G8 : b_w = _____ H_w = _____ t_{fillet} = _____ S8 = _____

G9 : b_w = _____ H_w = _____ t_{fillet} = _____ S9 = _____

G10 : b_w = _____ H_w = _____ t_{fillet} = _____ S10 = _____

G11 : b_w = _____ H_w = _____ t_{fillet} = _____ S11 = _____

G12 : b_w = _____ H_w = _____ t_{fillet} = _____ S12 = _____

G13 : b_w = _____ H_w = _____ t_{fillet} = _____

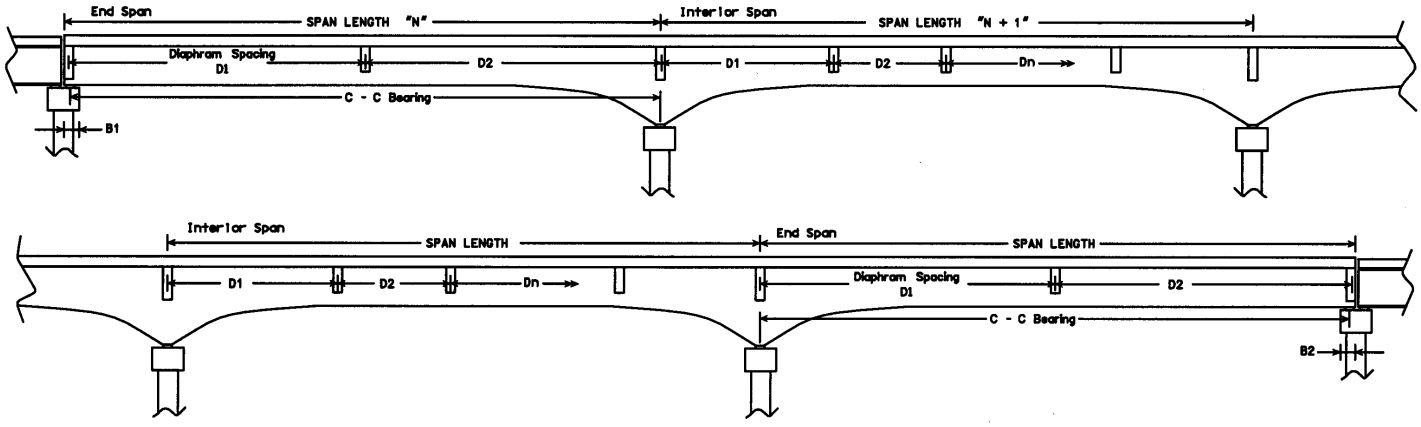
***** NOTE: All dimensions shown should be exact. Do <u>not</u> round, approximate or average measurements.**

Date Submitted: _____ BIN:_____ Sheet _____ of _____

CONTINUOUS SPAN REINFORCED CONCRETE DECK GIRDER STRUCTURES

This sheet refers to spans _____

Continuous Span Definitions



First Span: Span #: _____ Span Length: _____ C – C Bearing: _____ B1: _____

Diaphram Spacing: D1: _____ D2:_____ D3: _____ D4: _____ D5: _____

Interior Spans: Span #: _____ Span Length: _____

Diaphram Spacing: D1: _____ D2:_____ D3: _____ D4: _____ D5: _____

Span #: _____ Span Length: _____

Diaphram Spacing: D1: _____ D2:_____ D3: _____ D4: _____ D5: _____

Last Span: Span #: _____ Span Length: _____ C – C Bearing: _____ B2: _____

Diaphram Spacing: D1: _____ D2:_____ D3: _____ D4: _____ D5: _____

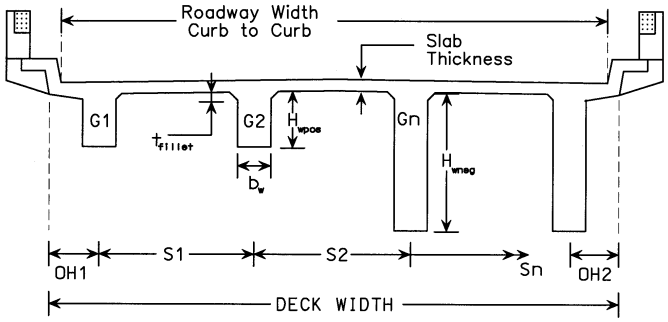
Cross Section:

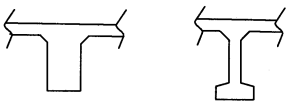
Roadway Width = _____
(Curb to Curb)

Deck Width = _____

OH1 = _____

OH2 = _____





CIRCLE THE GIRDER SHAPE

G1 : b_w = _____ H_{wpos} = _____ H_{wneg} = _____ t_{fillet} = _____ S1 = _____

G2 : b_w = _____ H_{wpos} = _____ H_{wneg} = _____ t_{fillet} = _____ S2 = _____

G3 : b_w = _____ H_{wpos} = _____ H_{wneg} = _____ t_{fillet} = _____ S3 = _____

G4 : b_w = _____ H_{wpos} = _____ H_{wneg} = _____ t_{fillet} = _____ S4 = _____

G5 : b_w = _____ H_{wpos} = _____ H_{wneg} = _____ t_{fillet} = _____ S5 = _____

G6 : b_w = _____ H_{wpos} = _____ H_{wneg} = _____ t_{fillet} = _____ S6 = _____

G7 : b_w = _____ H_{wpos} = _____ H_{wneg} = _____ t_{fillet} = _____ S7 = _____

G8 : b_w = _____ H_{wpos} = _____ H_{wneg} = _____ t_{fillet} = _____

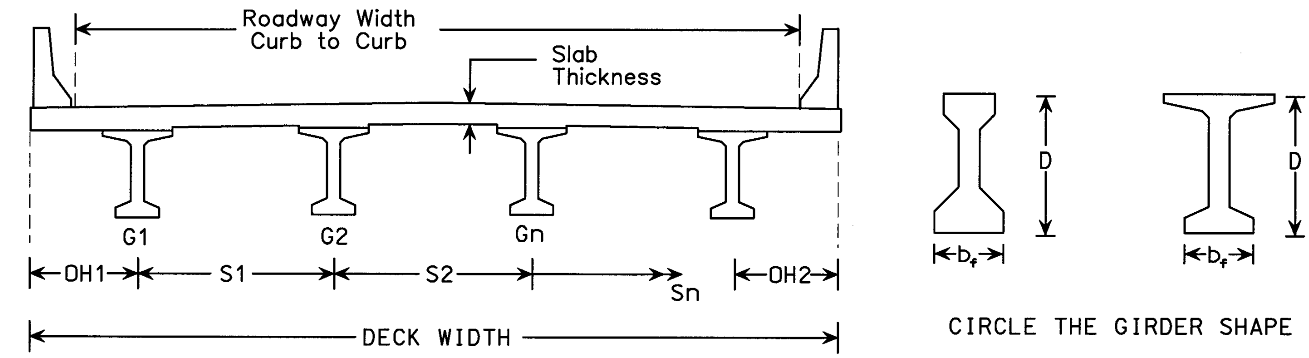
***** NOTE: All dimensions shown should be exact. Do <u>not</u> round, approximate or average measurements.**

Date Submitted: ______________ BIN:___________ Sheet ______ of ______

PRESTRESSED CONCRETE GIRDER STRUCTURES

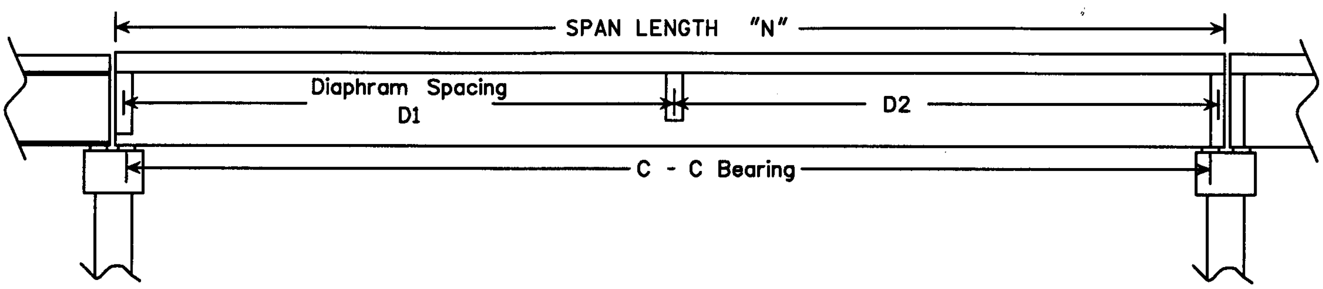
This sheet refers to spans ____

Cross Section:



Roadway Width = __________________ Deck Width =______________________ OH1 = __________ OH2 = __________
(Curb to Curb)

Number of Girders = ________ Girder Spacing = ________________ D = __________ inches b_f = __________ inches



Span #:______ Span Length: __________ C – C Bearing: __________ Is this span ☐ Simple ☐ Live Load Continuous

Diaphram Spacing: D1 = ________ D2 = ________ D3 = ________ D4 = ________ D5 = ________

Span #:______ Span Length: __________ C – C Bearing: __________ Is this span ☐ Simple ☐ Live Load Continuous

Diaphram Spacing: D1 = ________ D2 = ________ D3 = ________ D4 = ________ D5 = ________

Span #:______ Span Length: __________ C – C Bearing: __________ Is this span ☐ Simple ☐ Live Load Continuous

Diaphram Spacing: D1 = ________ D2 = ________ D3 = ________ D4 = ________ D5 = ________

Span #:______ Span Length: __________ C – C Bearing: __________ Is this span ☐ Simple ☐ Live Load Continuous

Diaphram Spacing: D1 = ________ D2 = ________ D3 = ________ D4 = ________ D5 = ________

Span #:______ Span Length: __________ C – C Bearing: __________ Is this span ☐ Simple ☐ Live Load Continuous

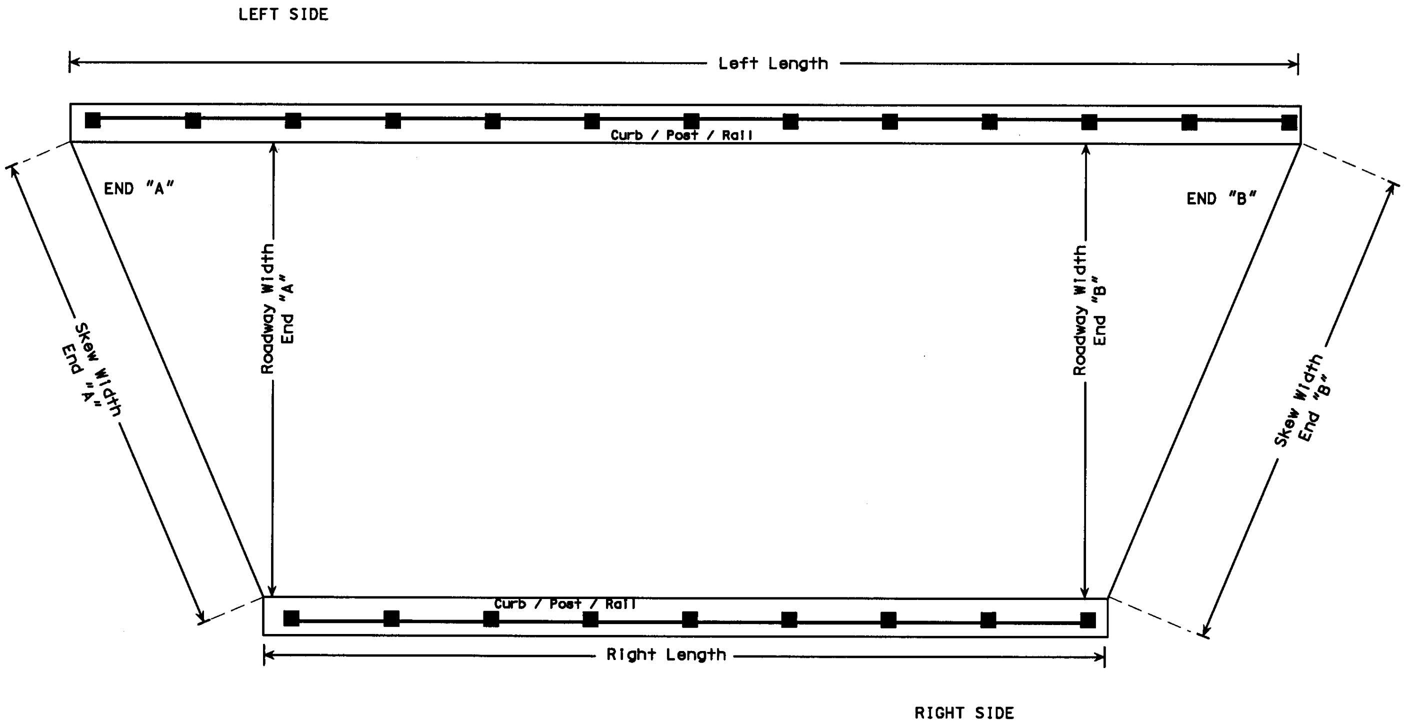
Diaphram Spacing: D1 = ________ D2 = ________ D3 = ________ D4 = ________ D5 = ________

***** NOTE: All dimensions shown should be exact. Do <u>not</u> round, approximate or average measurements.**

Date Submitted: ______________ BIN:___________ Sheet ______ of ______

SKEWED, CURVED AND FLARED SPANS

Deck Geometry: Are the Bridge Spans Skewed: ☐ Y ☐ N Curved: ☐Y ☐N Flared: ☐Y ☐N



Span	Roadway Width: End "A"	Roadway Width: End "B"	Skew Width: End "A"	Skew Width: End "B"	Length: Left Side	Length: Right Side
_____	________	________	________	________	________	________
_____	________	________	________	________	________	________
_____	________	________	________	________	________	________
_____	________	________	________	________	________	________
_____	________	________	________	________	________	________
_____	________	________	________	________	________	________
_____	________	________	________	________	________	________
_____	________	________	________	________	________	________

***** NOTE: All dimensions shown should be exact. Do <u>not</u> round, approximate or average measurements.**

Date Submitted: _____ BIN:_____ Sheet _____ of _____

Substructure Material: TIMBER STEEL CONCRETE OTHER (specify): _____

Sketch any loss of section that may affect the safe load capacity of the structure showing location and extent of flaw(s).

Please sketch any unusual characteristic of the structure that may need special consideration.

Some structures have several different types of spans. An overall sketch of the structure is helpful in such a situation. Submit as many forms as necessary to describe the entire structure.

If there are any questions about anything on this form, please call the Bridge Rating Section of the Alabama Department of Transportation at 334-242-6500.