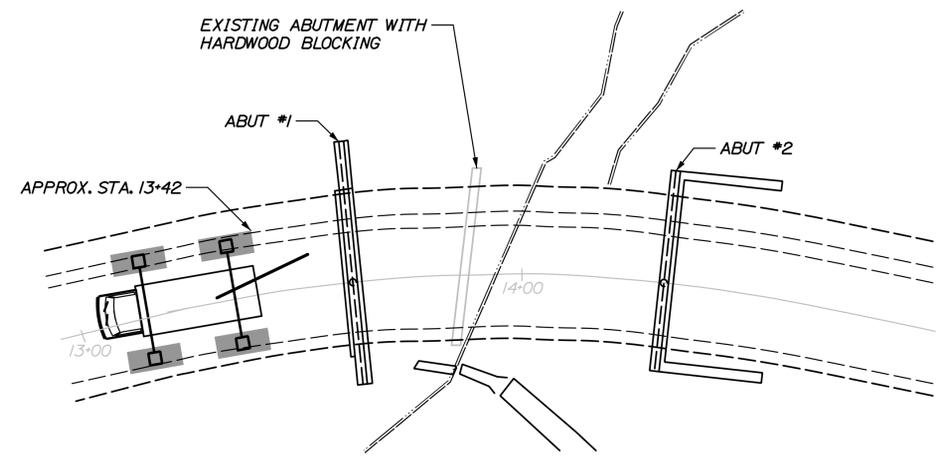


If temporary supports will be used on the new abutments in place of the bearings, provide details of supports and explain how supports will be removed to install bearings.



**STAGE 1 - INSTALL TEMPORARY BEARING PLATFORMS**

1. ONCE SITE PREPARATION IS COMPLETE, BEGIN INSTALLATION OF CRANE MATS FOR THE PLACEMENT OF BOTH ABUTMENTS.
2. IT IS IMPERATIVE THAT THE CRANE OPERATORS FAMILIARIZE THEMSELVES WITH THE LOCATION OF THE OVERHEAD UTILITIES. THESE UTILITIES ARE NOT TO BE MOVED OR ALTERED IN ANY WAY.
3. ENSURE ELEVATION AND POSITION OF CRANE MATS ARE APPROPRIATE FOR THE PLACEMENT OF ALL STEEL GIRDERS. HJ50 MAXIMUM RADIUS = 120 FEET
5. IF UNDESIRABLE SOIL PRESENT IN THE LOCATIONS OF THE CRANE MATS, EXCAVATE 5 FEET, FILL AND COMPACT GRANULAR MATERIAL FOR APPLICABLE AREA.
6. THE CONTRACTOR SHALL VERIFY THE STABILITY AND LOCATION OF CRANE MATS.
7. INSTALL AND SECURE HARDWOOD BLOCKING ON EXISTING ABUTMENT IN ORDER TO TEMPORARILY SUPPORT NEW GIRDERS.

Crane chart has note stating that 80' max radius to be used for all picks. Is larger radius for diaphragms? Clarify

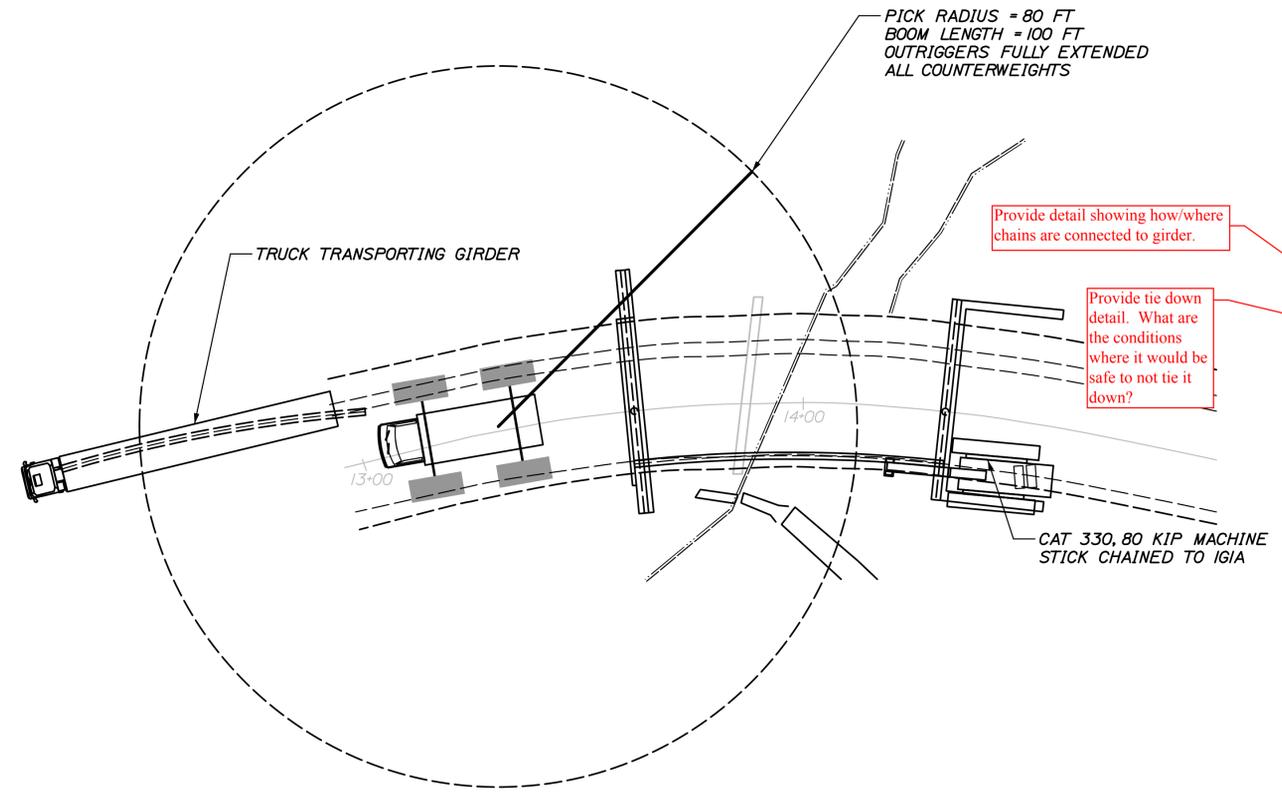
Provide blocking detail, specify where girders are to be supported

NOTES:  
 CRANE MATS: 5'-0" x 12'-0" x 8" REINFORCED CONCRETE  
 (2) CRANE MATS STACKED PER OUTRIGGER REQUIRED

DIFFERENTLY SIZED CRANE MATS ORGANIZED TO ACHIEVE THE SAME BEARING AREA AND DEPTH MAY BE SUBSTITUTED AT THE DISCRETION OF THE CONTRACTOR'S ENGINEER. THE PROPOSED SUBSTITUTION SHALL MEET OR EXCEED THE ASSUMED REINFORCEMENT (SEE CALCULATION PACKAGE).

THE GIVEN STATIONING FOR THE CRANE MATS IS APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR'S ENGINEER.

DURING ALL PICKS, ENSURE WEATHER FOR THE FORSEEABLE DURATION DOES NOT PREDICT WIND IN EXCESS OF 20 MPH.



**STAGE 2 - INSTALLATION OF IGIA**

1. ENSURE WEATHER FOR THE FORSEEABLE DURATION DOES NOT PREDICT WIND IN EXCESS OF 20 MPH. BEGIN INSTALLATION OF GIRDER IGIA, 13.1 KIP, WITH HJ50.
2. WHEN IGIA IS IN PLACE, CHAIN GIRDER TO THE CAT 330 EXCAVATOR TO STABILIZE. THE CAT 330 SHALL BE AT ABUTMENT #2. USE HARDWOOD BLOCKS BETWEEN THE STICK AND GIRDER TO AVOID METAL-TO-METAL CONTACT.
3. CHAIN IGIA TO ABUTMENT #1 AS REQUIRED. THE CONTRACTOR SHALL VERIFY THE STABILITY OF IGIA PRIOR TO UNHOOKING THE HJ50.
4. DISCONNECT THE HJ50 FROM IGIA.

Provide detail showing how/where chains are connected to girder.

Provide tie down detail. What are the conditions where it would be safe to not tie it down?

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 VTAOT PROJ. NUMBER STP 5600 (12)  
 CEE 38-MI-15



DATE: 8/15  
 BY: TEFA, CM  
 P.E. NUMBER: 8711  
 DATE:

DESIGN-DETAILED	REVISIONS 1
CHECKED-REVIEWED	REVISIONS 2
	REVISIONS 3
	REVISIONS 4
	FIELD CHANGES

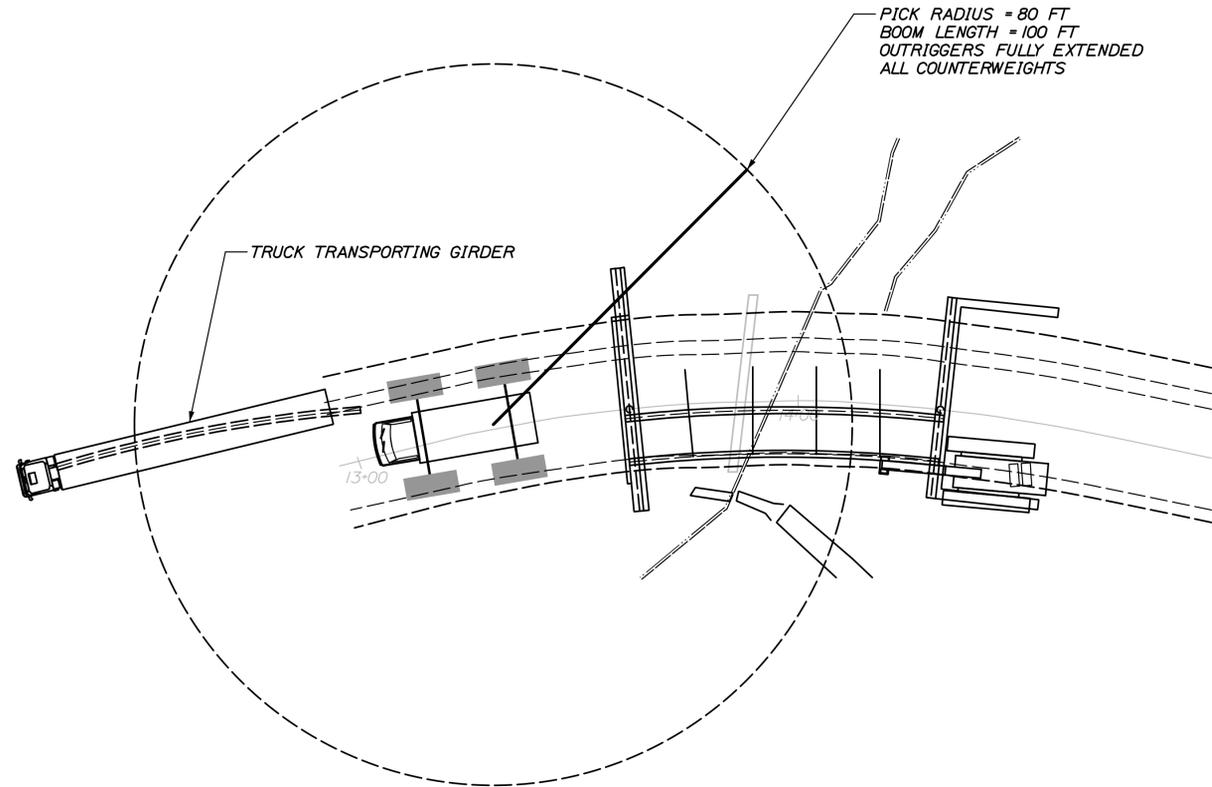
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 August 7, 2015  
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 BY DATE 08/10/2015

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**1**

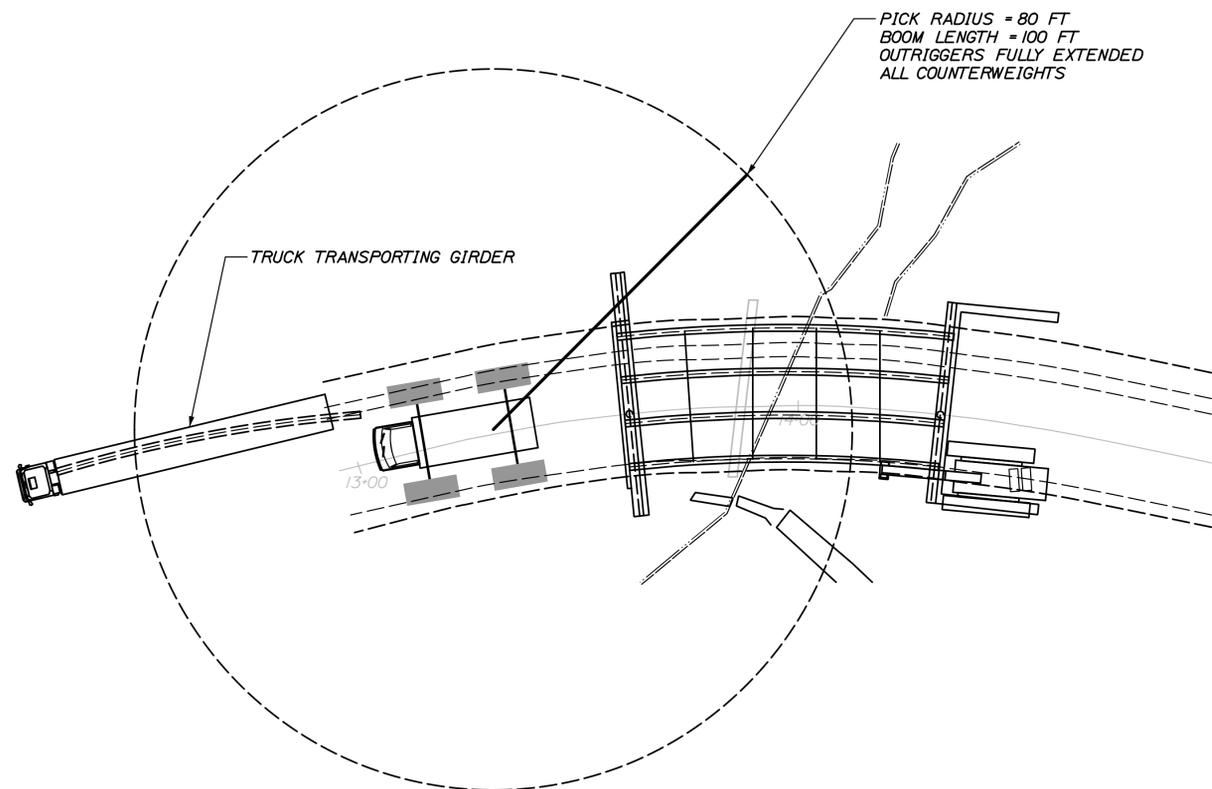


Define diaphragm bolting requirements for each stage.



**STAGE 3 - INSTALLATION OF 2G2A**

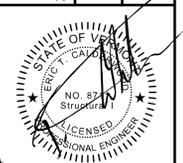
1. INSTALL ALL INTERMEDIATE DIAPHRAGMS ON 2G2A FOR CONNECTION TO IG1A AND 3G3A.
2. ENSURE WEATHER FOR THE FORSEEABLE DURATION DOES NOT PREDICT WIND IN EXCESS OF 20 MPH. BEGIN INSTALLATION OF GIRDER 2G2A, 23.21 KIP, WITH HL150.
3. WHEN 2G2A IS IN PLACE, ATTACH ALL INTERMEDIATE DIAPHRAGMS TO IG1A PRIOR TO DISCONNECTING HL150.
4. INTSTALL ABUTMENT DIAPHRAGMS BETWEEN IG1A AND 2G2A.



**STAGE 4 - INSTALLATION OF 3G3A & 4G4A**

1. ENSURE WEATHER FOR THE FORSEEABLE DURATION DOES NOT PREDICT WIND IN EXCESS OF 20 MPH. BEGIN INSTALLATION OF GIRDER 3G3A, 15.7 KIP, WITH HL150.
2. WHEN 3G3A IS IN PLACE, ATTACH ALL INTERMEDIATE DIAPHRAGMS TO 2G2A PRIOR TO DISCONNECTING HL150.
3. INTSTAGLL ABUTMENT DIAPHRAGMS BETWEEN 3G3A AND 2G2A.
4. INSTALL INTERMEDIATE DIAPHRAGMS BETWEEN 3G3A AND 4G4A TO 3G3A.
5. ENSURE WEATHER FOR THE FORSEEABLE DURATION DOES NOT PREDICT WIND IN EXCESS OF 20 MPH. BEGIN INSTALLTION OF GIRDER 4G4A, 16.0 KIP, WITH HL150.
6. WHEN 4G4A IS IN PLACE, ATTACH ALL INTERMEDIATE DIAPHRAGMS TO 3G3A PRIOR TO DISCONNECTING HL150.
7. INSTALL ABUTMENT DIAPHRAGMS BETWEEN 3G3A AND 4G4A.

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 REVISIONS 3: \_\_\_\_\_  
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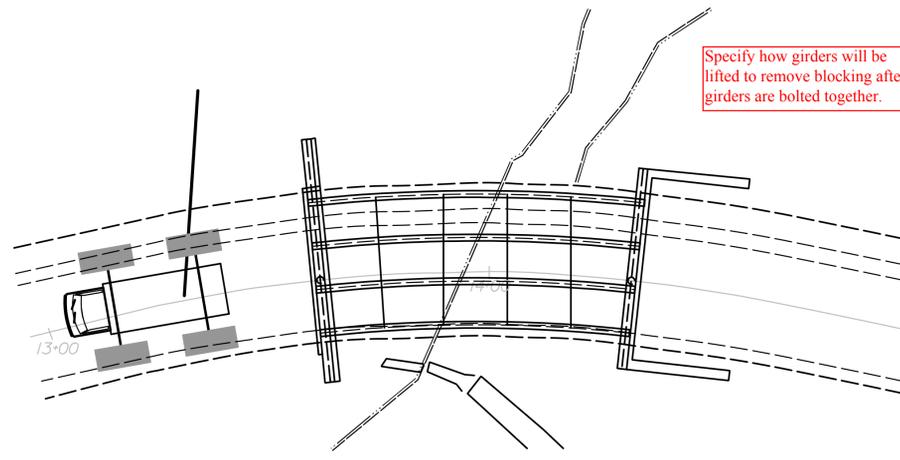
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August 7, 2015

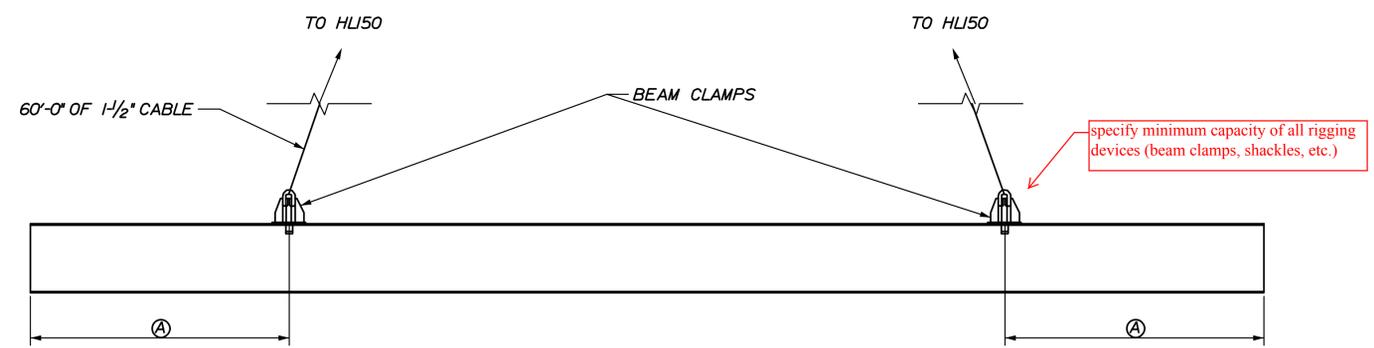
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**STAGE 5 - FINISH BRIDGE**  
 1. UNCHAIN GIRDER IGA FROM ABUTMENT AND CAT 330.  
 2. REMOVE TIMBER BLOCKING AND OLD ABUTMENT AS REQUIRED BY CONTRACT.  
 3. FINISH BRIDGE AS REQUIRED BY CONTRACT.

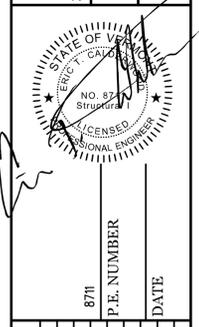


**GIRDER LIFTING SCHEME**  
 NOT TO SCALE

- Ⓐ = 1G1A) 14'-5"±
- 2G2A) 14'-10"±
- 3G3A) 15'-2"±
- 4G4A) 15'-9"±

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