Summary of Concrete Quantities

Location		Structural Concrete	HPC Struct. Concrete
Abutment Footings			
Abutment Wings			
___ Abutment Concrete ∗∗∗			
___ Abutment Concrete ∗∗∗			
Slab + Haunch + Abut. Diaph. + Wingwalls Sect. 1 & 3			
Slab + Haunch Section 2			
Slab + Haunch + Pier Diaph. Section 4 & 5			
Intermediate Diaphragms (If Concrete Diaphragms)			
Pier No. 1	Cap		
	Step Concrete ∗∗∗		
	Column		
	Footing		
Pier No. 2	Cap		
	Step Concrete ∗∗∗		
	Column		
	Footing		
Total (Cu. Yds.)			

∗∗∗ See Appropriate Additional Quantities Standard Sheets For Skewed Bridges.

Summary of Reinforcing Steel

Location		Non-Coated Reinforcing Steel	Stainless Steel Reinforcing Steel	Epoxy Coated Reinforcing Steel
Superstructure and Two Abutments ∗∗				
Intermediate Diaphragms (Concrete Diaphragms)				
Barrier Rail - Two Rails		----------	2 at ____	2 at ____
Barrier Rail End Sections		----------	4 at ____	4 at ____
Pier No. 1	Cap			
	Step Reinforcing ∗∗∗			
	Column			
	Footing			
Pier No. 2	Cap			
	Step Reinforcing ∗∗∗			
	Column			
	Footing			
∗∗ Excludes Rail Reinforcing. Includes ___ Lbs. for Pile Spirals and Spacers with optional Epoxy Coating				
Total (Lbs.)				

Summary of Excavation

Location	Class 20 Excavation	Class ___ Excavation
__ Abutment		
__ Abutment		
Pier No. 1		
Pier No. 2		
Total (Cu. Yds.)		

Summary of Foundations

Location	Substructure Type	Foundation Type	Number	Length (Lin. Ft.)	Total (Lin. Ft.)
__ Abutment	Integral Abutment				
__ Abutment	Integral Abutment				
Pier No. 1					
Pier No. 2					

Foundation Types

HP10x42
HP10x57
HP12x53
HP14x73
HP14x89
Timber Foundation Piling
Timber Trestle - Pile Bents
Spread Footing

Substructure Type

Tee Pier
Pile Bent Pier
Other

Bearing Types

Plain Neoprene 1"
Plain Neoprene Tapered
Laminated Neoprene/Curved Sole Plate - Assembly

Associated Bid Item

Incidental Item
Incidental Item
∗ Structural Steel

Summary of Structural Steel

Location	Total (Lbs.)
Bridge Deck Drains	
Intermediate Diaphragms	
Pier No. 1 Bearings	
Pier No. 2 Bearings	
Total (Lbs.)	

Summary of Bearings

Location	Bearing Type	Slope %	Number	Associated Bid Item
__ Abutment	S3 x 7.5			Incidental Item
__ Abutment	S3 x 7.5			Incidental Item
Pier No. 1				
Pier No. 2				

PPCB Bridges

∗ Curved Sole Plates and Laminated Neoprene Pads are incidental to PPC Beams

H40 & H44 PPCB Bridge Standards

Design For

End Spans Interior Span

Summary Quantities Sheet

STA. ( ) Turn-in Date:

County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. Design Sheet No. 000 of FHWA No.

FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER V.0	

3:03:32 PM 5/7/2025 bkloss pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\ProductionTestDirectories\TestDirectory05\Bridge\(Paren-1)_Work Description\BPPS-04-15-25.dgn