Summary of Concrete Quantities

Location		Structural Concrete	HPC Struct. Concrete
Two Abutment Footings			
_____ Abutment Step Concrete			
_____ Abutment Step Concrete			
Slab + Abutment Diaphagms - Sections 1 & 3			
Slab + Haunch + Abut. Diaph. + Wingwalls Sect. 1 & 3			
Slab - Section 2			
Slab - Sections 4 & 5			
Abutment Wings			
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 ∗∗				
Barrier Rail - Two Rails				
Barrier Rail End Sections		---	2 at ____	2 at ____
		---	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

HP10x57
HP12x53
HP14x73
HP14x89
Spread Footing

Substructure Type

Tee Pier
Pile Bent Pier

Bearing Types

Laminated Neoprene/Curved Sole Plate - Assembly
Masonry Plate/Curved Sole Plate - Assembly

Associated Bid Item

∗ Structural Steel
Structural Steel

Summary of Structural Steel

Location		Total (Lbs.)
Rolled Steel Beams	6 at _____	
Splice Plates And Bolts	_____ at _____	
Diaphragms Weights		
Pier No. 1 Bearings	12 at _____	
Pier No. 2 Bearings	12 at _____	
Shear Studs		
Bridge Deck Drains	_____ at _____	
Flange Deflectors	_____ at _____	
S3 x 7.5	12 at 7.5 Lbs.	90
Total (Lbs.)		

Summary of Bearings

Location	Bearing Type	Slope %	Number	Associated Bid Item
__ Abutment	S3 x 7.5		6	Structural Steel
__ Abutment	S3 x 7.5		6	Structural Steel
Pier No. 1			6	
Pier No. 2			6	

Steel Bridges

∗ Laminated Pads are incidental to Structural Steel

RS40 Rolled Steel Beam Bridges

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	

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