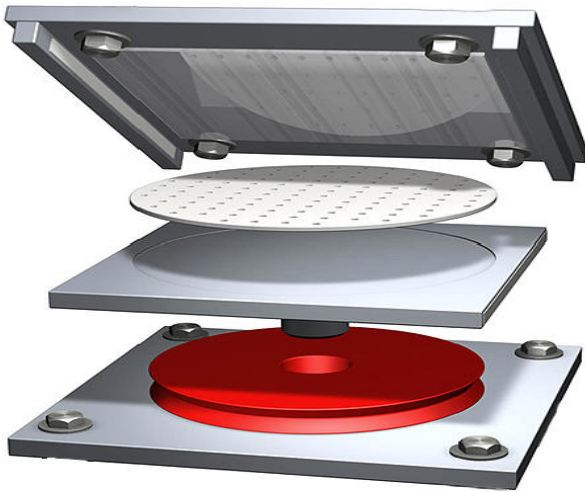


# *DISKTRON Bearing System*

## Design Questionnaire



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**Project**

Name/Contract No.:

Owner:

Consultant:

Contact Information:

Name:

Telephone:

Fax:

Contract Drawing Reference:

Prepared by:

Disktron Bearing Quantity:

Estimated Project Bid Date:

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**Structure**

Superstructure Information:

Type (Steel or Concrete):

Strength (Yield or Compressive ( $f'c$ )):

Beam/Girder No. and Dimensions:

Span Length(s):

Slope at Bearing Locations:

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Substructure Information:

Type (Steel or Concrete):

Strength (Yield or Compressive ( $f'c$ )):

Bearing Pedestal Dimensions:

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Existing Bearing Heights (if required to match heights):

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**Design**

Design Goal (retrofit, new design, etc.):

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Design Method - ASD, LFD, or LRFD:

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Specifications (including dates/editions):

AASHTO:

State Standard:

Design Manual:

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Units - English or Metric:

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Bearing Materials:

Type of Steel:

Painted or Galvanized:

Paint System and Top Coat Color:

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**Testing**

Specifications (including dates/editions):

AASHTO:

State Standard:

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Special Testing Requirements (if applicable):

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**Design Requirements*****LRFD Design***

<b>Units</b> Load: Displacement: Rotation:		<b>Bearing Type</b>	<b>Bearing Type</b>	<b>Bearing Type</b>	
Quantity					
Location(s)					
<b>Service</b> Limit State (max)	Vertical Load	Dead			
		Live			
		Total			
	Uplift Load (if applicable)				
	Horizontal Load	Longitudinal			
Transverse					
<b>Strength</b> Limit State (max factored)	Vertical Load	Dead			
		Live			
		Total			
	Uplift Load (if applicable)				
	Horizontal Load	Longitudinal			
		Transverse			
	Rotation (+/-)	Due to all applicable loads			
		Due to fab & const. tol.			
		Total			
	Movement (+/-)	Longitudinal			
Transverse					
<b>Extreme</b> <b>Event</b> Limit State (max factored)	Vertical Load	Dead			
		Live			
		Total			
	Uplift Load (if applicable)				
	Horizontal Load	Longitudinal			
		Transverse			
	Movement (+/-)	Longitudinal			
Transverse					
Type of attachment to <b>super</b> structure					
Type of attachment to <b>sub</b> structure					

*If any of the above information is not known at this time, typical assumptions can be used for an estimate. For example, a typical design horizontal load is 10% of the vertical load, and a typical design rotation is 0.02 radians.*

**Design Requirements**

***ASD or LFD Design***

<b>Units</b> Load:		<b>Bearing Type</b>	<b>Bearing Type</b>	<b>Bearing Type</b>
Displacement:				
Rotation:				
Quantity				
Location(s)				
<b>Load</b> (Denote: unfactored or factored)	Vertical	Dead		
		Live		
		Total		
	Horizontal	Longitudinal		
		Transverse		
		Controlling load case		
Uplift (if applicable)				
<b>Rotation</b> (+/-)	Due to all applicable loads			
	Due to fab. & const. tol.			
	Total			
<b>Movement</b> (+/-)	Longitudinal	RST		
		Seismic		
		Const. tol.		
		Total		
	Transverse	RST		
		Seismic		
		Const. tol.		
		Total		
Type of attachment to <b>super</b> structure				
Type of attachment to <b>sub</b> structure				

*If any of the above information is not known at this time, typical assumptions can be used for an estimate. For example, a typical design horizontal load is 10% of the vertical load, and a typical design rotation is 0.02 radians.*