



BRIDGE DESIGN CHECKLIST

Checker (Print Name): STACEY B-12-35

Project: STACEY B-12-35

Designer (Print Name): STACEY B-12-35

SEH Project No.: 140521

Date: Jul 2017

- I have reviewed the (☒ drawings / ☐ specifications / ☒ calculations) for items checked on the following list.
- I recommend this submittal be (☒ accepted / ☐ reworked).

SUBMITTAL STATUS: ☐ PRELIMINARY ☒ FINAL

☐ OTHER

STRUCTURAL DESIGN & DRAWINGS

Preliminary Design

- Structure Survey Report
- Selection of structure type
- Span arrangements
- Hydraulic consideration
- Vertical and horizontal geometrics

Final Design

- Wing length calculated
- Elevations verified
- Deck/Slab design (thickness / rebar)
- Girder design (interior / exterior)
- Camber and deflections calculated
- Railing type verified
- Load rating calculated
- Pier design
- Abutment design
- Bearing design
- Expansion device verification
- Quantity computations
- Specifications
- Load Rating Summary sheet
- Structure Inventory Form

STRUCTURAL DESIGN & DRAWINGS				NOT CH'D	OK?		NOTES
				Y	N		
General Plan and Elevation Sheets							
1. Bridge stationing / elevations verified							
2. Skew verified							
3. Span length verified							
4. Bridge clear width verified							
5. Piling verified							
6. Railing verified							
7. Preliminary Plan comments verified				✓			
Cross Section & Quantities Sheet							
1. Quantities verified							
2. Clear width verified							
3. Bridge slope verified							
4. Deck / slab thickness verified							
5. Girder spacing verified							
6. Preliminary plan comments verified				✓			
Subsurface Exploration Sheet							
1. Location of borings and probes plotted to scale							
2. Show pile lengths to scale							
3. Show borings logs with material, depth, blow counts							
4. Preliminary plan comments verified				✓		N/A	
Abutment Sheets							
1. Dimensions verified						N/A	
2. Reinforcement verified							
3. Elevations verified							
4. Rebar table verified							
5. Piling verified						N/A	
Pier Sheets							
1. Dimensions verified							
2. Reinforcement verified							
3. Elevations verified							
4. Rebar table verified							
5. Piling verified							

STRUCTURAL DESIGN & DRAWINGS		NOT CH'D	OK?		NOTES
			Y	N	
Superstructure Sheets					
1. Dimensions verified					Y/A
2. Reinforcement verified					
3. Top of deck elevations verified					
4. Rebar table verified					
5. Camber verified					
Girder Sheet					
1. Reinforcement verified					Y/A
2. Girder data table completed					
3. Deadload deflections verified					
4. Camber verified					
5. Strand pattern verified					
6. Diaphragm verified					
7. Bearings verified					
8. Girder size verified					
9. Shear studs verified					
Railing and Parapet Sheets					
1. Reinforcement verified					Y/A
2. Rail post spacing verified					
3. Rebar table verified					
Box Culvert Sheets					
1. Box dimension verified					
2. Elevations verified					
3. Apron length verified					
4. Wing angles verified					
5. Quantities verified					
6. Rebar verified					
Retaining Wall Sheets					
1. Plan and Elevation Sheet					
2. Subsurface Sheet					
3. Typical Section Sheet					
4. Design, Quantities and Special Provisions					

