STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

Fabricator QC/QA Plan Checklist
Structural Steel & Miscellaneous Metals

FACILITY INFORMATION		
Company Name:		
Physical Address:		
Primary Department Point of Contact (Name, E-Mail, Phone)		
Quality Control Manager (Name, E-Mail, Phone)		

SCOPE OF MATERIAL FOR CONSIDERATION		
☐ Steel Bridge (Vehicular)	☐ Stay In Place Forms (Coated)	☐ Steel Railing
☐ Steel Bridge (Pedestrian)	☐ Stay In Place Forms (Uncoated)	☐ Aluminum Railing
☐ Bridge Machinery	☐ Overhead Gantry	☐ Guardrail
☐ Bridge Forgings	☐ Overhead Span / Truss	☐ Drainage (Welded)
☐ Bridge Castings	☐ Overhead Cantilever	☐ Drainage (Castings)
☐ Bridge Bearings / Load Plates	☐ Overhead Monotube	☐ Coated Steel Fence
☐ Modular Joints	☐ Steel Mast Arm	☐ Shop Painting
☐ Bridge Grid Decking	☐ Steel Strain Pole	☐ Shop Metalizing
☐ Laminated Bearing Pads	☐ Steel CCTV Pole	☐ Powder Coating
☐ Ancillary Bearing Pads	☐ Aluminum J-Arms	☐ Hot Dip Galvanizing

FACILITY QUALIFICATIONS	
☐ AISC Advanced w/ Fracture Critical Endorsement	☐ AWS Certified Welding Fabricator
☐ AISC Simple Bridge w/ Fracture Critical Endorsement	☐ ISO 9001: 2015 Certified
☐ AISC Simple Bridge	☐ ISO 9001: 2015 Compliant
☐ AISC Metal Component Manufacturer	☐ SSPC QP Shop Qualification (QP-3 or QP-6)
☐ AISC Sophisticated Paint Endorsement (P1, P2, or P3)	☐ NACE AS – 1 Shop Qualification
☐ Other:	

STAFF QUALIFICATIONS		
☐ AWS CWI (Current)	☐ Skidmore-Wilhelm PIV Inspector	☐ Qualified Level II (MT)
☐ AWS ACWI (Current)	☐ SSPC BCI/PCI Inspector I	☐ Qualified Level II (UT)
☐ AWS D1.1 Endorsement	☐ SSPC BCI Inspector II	☐ Qualified Level II (RT)
☐ AWS D1.2 Endorsement	☐ SSPC PCI Inspector III	☐ Qualified Level II (PT)
☐ AWS D1.5 Endorsement	☐ NACE Coating Inspector I/II	☐ Qualified Phased Array
☐ AWS D1.6 Endorsement	☐ NACE Coating Inspector III	☐ Other:

MATERIAL SPECIFIC EXPERIENCE		
	Description / Quantity	Governing Authority
1		
2		
3		
4		
5		
6		

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FDOT QC/QA PLAN CHECKLIST	
A. Shop Qualification	Page, Section
A1. Production Facility Experience (QC Manager, Staff)	
A2. National Accreditation / Audit Program Participation	
A3. Training (Internal & External)	
A4. Ordering of Materials, Identifying Material Deviations	
A5. Submitting Drawings for Department Approval	
A6. Who are the facilities Subcontractors; How does the Facility Evaluates Subcontractors	
A7. Description of Cutting, Measuring, and Production Capabilities	
A8. Description of Instrument Calibration Frequency / Practice	
A9. Subscription to or Purchase of Industry Standards & Documents	
A10. Agree to Department Access	
A11. Agree to Material Compliance Investigations	
A12. Quality Assurance Access & Resources	
A13. Successful Long-Term Deterioration Testing (Bridge Bearings Only)	
B. Pre-Fabrication	Page, Section
B1. Initial Material Inspection, Frequency (e.g. Documentation)	
B2. Maintaining Traceability	
B3. QA Notification & Access to Witness	
B4. Addressing Nonconformances	
B5. Repairing & Rejecting New Material, Identify Acceptance Criteria	
B6. Material Storage	
B7. Identify Authority for Material Acceptance	
Facilities Intending to Weld (Additional Requirements)	Page, Section
B8. Handling WPS's, Qualifications & Materials (e.g. Documentation)	
B9. Define the Scope and Use of an RFI/RFM	
Facilities Intending to Execute Load-Carrying Bolted Connections	Page, Section
B10. Identifying main or primary-load carrying members	
B11. Identify the responsible party for rotational capacity testing	
B12. Address Florida Methods for Rotational Capacity & DTI Testing	
C. Fabrication	Page, Section
C1. Traceability / Transferring Information / Chain of Custody (e.g. Documentation)	
C2. Description of In-Process Controls (e.g. Documentation)	
C3. Quality Control Hold Points	
C4. Addressing Fabrication Nonconformances	
C5. Isolation of Nonconforming Material (e.g. Documentation)	
C6. Compliance to Contract Documents & Specifications	
C7. Document Control	
C8. Material Storage	
Bridge, Bridge Components and Sign Structures (Additional Requirements)	Page, Section
C9. Distortion Control Plan	
C10. Implementation of Applicable Welding Codes	
C11. Establishing Camber & Sweep	
C12. Faying Surfaces	
C13. Fit-Up Procedure	
C14. Bolting Procedure (e.g. Documentation)	

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C15. Fracture Control Plan (Bridge Only)	
D. Inspection	Page, Section
D1. Quality Control Hold Points & Visual Inspection	
D2. Description of In-Process Inspection & NDT	
D3. Identification of Nonconforming Material	
D4. Communicating Nonconformances	
D5. Repair Procedures (e.g. Documentation)	
D6. Define the Scope and Use of Subcontractors for Inspection	
D7. Identify Acceptance Criteria	
D8. Rejecting Material (e.g. Documentation)	
D9. Document Control	
Facilities Intending to Apply Coatings (Additional Requirements)	Page, Section
D11. Qualifications of the Coatings Supervisor & Inspector(s)	
D12. Compliance with Project-Related Specifications	
D13. Include a Facility Coatings Plan	
Facilities Intending to Weld (Additional Requirements)	Page, Section
D14. Define the Scope and Use of an NCR	
D15. Identify the frequency and use of a CWI	
D16. Define the Scope of a Critical Weld Repair (Bridge Only)	
E. Material Acceptance	Page, Section
E1. Identify compliance with Owner Specifications	
E2. Identify compliance with Contract Drawings	
E3. Identify the Authority for QC Acceptance	
E4. Address Scope of Engineer Approval	
E5. Storage Prior to Shipping	
E6. Final Document Control	
Bridge, Bridge Components and Sign Structures (Additional Requirements)	Page, Section
E7. Notification QA of Accepted Material	
E8. Define Scope of Bolting Acceptance (e.g. Documentation)	
E9. Define Scope of Acceptance for Faying Surfaces	
F. Shipping Components	Page, Section
F1. Summary Package of Quality Control Documentation	
F2. Lifting, Loading & Securing Material	
F3. Touch-Up & Visual Examination	