TABLE OF CONTENTS

FY 2019-20 STANDARD PLANS FOR BRIDGE CONSTRUCTION

Design Standards Index	Standard Plans Index	Index Title
General Construction Operations		
Maintenance of Traffic		
21600	102-200	Temporary Detour Bridge General Notes and Details
21610	102-210	Temporary Detour Bridge - Timber Pile Foundations
21620	102-220	Temporary Detour Bridge - Steel H Pile Foundations
21630	102-230	Temporary Detour Bridge - Steel Pipe Pile Foundations
21640	102-240	Temporary Detour Bridge Thrie - Beam Guardrail
Structures		
Concrete Structures		
20900	400-090	Approach Slabs (Flexible Pavement Approaches)
20910	400-091	Approach Slabs (Rigid Pavement Approaches)
289	400-289	Concrete Box Culvert Details
291	400-291	Precast Concrete Box Culverts Supplemental Details
292	400-292	Standard Precast Concrete Box Culverts
20510	400-510	Composite Elastomeric Bearing Pads - Prestressed Florida-I & AASHTO Type II Beams
21300	415-001	Bar Bending Details (Steel)
Precast Prestressed Concrete Construction		
20010	450-010	Florida-I Beam - Typical Details and Notes
20036	450-036	Florida-I 36 Beam - Standard Details
20045	450-045	Florida-I 45 Beam - Standard Details
20054	450-054	Florida-I 54 Beam - Standard Details
20063	450-063	Florida-I 63 Beam - Standard Details
20072	450-072	Florida-I 72 Beam - Standard Details
20078	450-078	Florida-I 78 Beam - Standard Details
20084	450-084	Florida-I 84 Beam - Standard Details
20096	450-096	Florida-I 96 Beam - Standard Details
20120	450-120	AASHTO Type II Beam
20199	450-199	Prestressed I-Beams Build-Up and Deflection Data
20210	450-210	Florida-U Beam - Typical Details and Notes
20248	450-248	Florida-U 48 Beam - Standard Details
20254	450-254	Florida-U 54 Beam - Standard Details
20263	450-263	Florida-U 63 Beam - Standard Details
20272	450-272	Florida-U 72 Beam - Standard Details
20299	450-299	Florida-U Beams Build-up & Deflection Data
20502	450-502	Beveled Bearing Plate Details - Prestressed Florida-U Beams
20511	450-511	Bearing Plates (Type I) - Prestressed Florida-I & AASHTO Type II Beams
20512	450-512	Bearing Plates (Type 2) - Prestressed Florida-I & AASHTO Type II Beams
Structures Foundations		
20600	455-001	Square Prestressed Concrete Piles - Typical Details & Notes
20601	455-002	Square Prestressed Concrete Pile Splices
20602	455-003	Square Prestressed Concrete Piles - EDC Instrumentation
20612	455-012	12" Square Prestressed Concrete Pile
20614	455-014	14" Square Prestressed Concrete Pile
20618	455-018	18" Square Prestressed Concrete Pile
20620	455-020	20" Square Prestressed Concrete Pile
20624	455-024	24" Square Prestressed Concrete Pile
20630	455-030	30" Square Prestressed Concrete Pile
20631	455-031	30" Square Prestressed Concrete Pile - High Moment Capacity
20654	455-054	54" Precast/Post-Tensioned Concrete Cylinder Pile
20660	455-060	60" Prestressed Concrete Cylinder Pile
22600	455-101	Square CFRP & SS Prestressed Concrete Piles - Typical Details & Notes
22601	455-102	Square CFRP & SS Prestressed Concrete Pile Splices
22612	455-112	12" Square CFRP & SS Prestressed Concrete Pile
22614	455-114	14" Square CFRP & SS Prestressed Concrete Pile
22618	455-118	18" Square CFRP & SS Prestressed Concrete Pile
22624	455-124	24" Square CFRP & SS Prestressed Concrete Pile
22630	455-130	30" Square CFRP & SS Prestressed Concrete Pile
22654	455-154	54" Precast/Post-Tensioned CFRP & SS Concrete Cylinder Pile
22660	455-160	60" Prestressed CFRP and SS Concrete Cylinder Pile
Bridge Deck Joints		
21100	458-100	Expansion Joint System - Strip Seal
21110	458-110	Expansion Joint System - Poured Joint with Backer Rod
Structural Steel and Miscellaneous Metals		
21250	460-250	Access Hatch Assembly for Steel Box Sections
21251	460-251	Access Hatch Assembly for Concrete Box Sections
21252	460-252	Access Door Assembly for Steel Box Sections
470	460-470	Traffic Railing - (Thrie Beam Retrofit) Typical Details & Notes
471	460-471	Traffic Railing - (Thrie Beam Retrofit) Narrow Curb
472	460-472	Traffic Railing - (Thrie Beam Retrofit) Wide Strong Curb Type 1
473	460-473	Traffic Railing - (Thrie Beam Retrofit) Wide Strong Curb Type 2
474	460-474	Traffic Railing - (Thrie Beam Retrofit) Intermediate Curb
475	460-475	Traffic Railing - (Thrie Beam Retrofit) Wide Curb Type 1
476	460-476	Traffic Railing - (Thrie Beam Retrofit) Wide Curb Type 2
477	460-477	Thrie-Beam Panel Retrofit (Concrete Handrail)
New	460-490	Traffic Railing - (Rectangular Tube Retrofit)

TABLE OF CONTENTS

FY 2019-20 STANDARD PLANS FOR BRIDGE CONSTRUCTION

Design Standards Index	Standard Plans Index	Index Title
Structures (Cont.)		
Post-Tensioning		
21801	462-001	Post-Tensioning Vertical Profiles
21802	462-002	Post-Tensioning Anchorage Protection
21803	462-003	Post-Tensioning Anchorage and Tendon Filling Details
Fiber Reinforced Polymer Fender Systems		
21930	471-030	Fender System - Prestressed Concrete Piles and FRP Wales
Incidental Construction		
Navigation Lights for Fixed Bridges		
21220	510-001	Navigation Light System Details (Fixed Bridges)
Metal Pedestrian/Bicycle Railings, Guiderails and Handrails		
821	515-021	Pedestrian/Bicycle Bullet Railing for Traffic Railing
822	515-022	Pedestrian/Bicycle Bullet Railing Details
851	515-051	Bridge Pedestrian/Bicycle Railing (Steel)
861	515-061	Bridge Pedestrian/Bicycle Railing (Aluminum)
Concrete Barriers, Traffic Railing and Parapets		
404	521-404	Guardrail Transitions - Existing Post & Beam Bridge Railings (Narrow & Recessed Curbs)
405	521-405	Guardrail Transitions - Existing Post & Beam Bridge Railings (Wide Curbs)
422	521-422	Traffic Railing - (42" Vertical Shape)
423	521-423	Traffic Railing - (32" Vertical Shape)
426	521-426	Traffic Railing - (Median 36" Single-Slope)
427	521-427	Traffic Railing - (36" Single-Slope)
428	521-428	Traffic Railing - (42" Single-Slope)
480	521-480	Traffic Railing - (Vertical Face Retrofit) Typical Details & Notes
481	521-481	Traffic Railing - (Vertical Face Retrofit) Narrow Curb
482	521-482	Traffic Railing - (Vertical Face Retrofit) Wide Curb
483	521-483	Traffic Railing - (Vertical Face Retrofit) Intermediate Curb
484	521-484	Traffic Railing - (Vertical Face Retrofit) Spread Footing Approach
New	521-509	Traffic Railing/Noise Wall (8'-0") - Bridge
21200	521-660	Light Pole Pedestal - Bridge
820	521-820	27" Concrete Parapet Pedestrian/Bicycle with Bullet Railing
825	521-825	42" Concrete Pedestrian/Bicycle Railing
Fencing - Type R		
810	550-010	Bridge Fencing (Vertical)
811	550-011	Bridge Fencing (Curved Top)
812	550-012	Bridge Fencing (Enclosed)
New	550-013	Bridge Fencing (Over Railroad)
Traffic Control Signals and Devices		
Conduit		
21210	630-010	Conduit Details - Embedded
Signing, Pavement Markings and Lighting		
Highway Lighting Systems		
21240	715-240	Maintenance Lighting for Box Girders