STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

BRIDGE DESIGN
STANDARD DETAILS

LIST OF DRAWINGS

COVER SHEET
A1 LIST OF ABBREVIATIONS
A2 GENERAL NOTES SHEET 1
A3 GENERAL NOTES SHEET 2
1.10 PILE DETAILS SHEET 1
1.20 PILE DETAILS SHEET 2
2.10 ABUTMENT DETAILS
2.40 FIXED JOINT AT ABUTMENTS SHEET 1
2.50 FIXED JOINT AT ABUTMENTS SHEET 2
3.10 PIER DETAILS
3.20 JOINTS AT PIERS
4.20 STRIP SEAL EXPANSION JOINTS SHEET 1
4.30 STRIP SEAL EXPANSION JOINTS SHEET 2
4.40 ASPHALTIC EXPANSION JOINT SYSTEM
5.10 SLIDING BEARINGS FOR SPANS UP TO 100 FEET
5.20 MULTI–ROTATIONAL BEARING POT BEARINGS
6.10 TYPICAL FRAMING PLAN LAYOUTS
6.20 SIMPLE SPAN & CONTINUOUS GIRDER ELEVATIONS
6.30 STEEL DETAILS
6.40 DIAPHRAGM DETAILS FOR ROLLED SECTIONS
6.50 DIAPHRAGM DETAILS FOR PLATE GIRDERS–STRAIGHT
6.60 DIAPHRAGM DETAILS FOR PLATE GIRDERS–CURVED
7.10 GENERAL PRESTRESSED DETAILS AND FRAMING LAYOUT
7.20 STANDARD AASHTO AND NEBT PRESTRESSED BEAMS
7.30 JOINT DETAILS FOR PRESTRESSED BEAMS
7.40 PRESTRESSED CONCRETE SLABS SHEET 1
7.50 PRESTRESSED CONCRETE SLABS SHEET 2
7.51 PRESTRESSED CONCRETE SLABS SHEET 3
7.60 PRECAST CONCRETE BUTTED BOX BEAMS SHEET 1
7.70 PRECAST CONCRETE BUTTED BOX BEAMS SHEET 2
7.71 PRECAST CONCRETE BUTTED BOX BEAMS SHEET 3
7.72 PRECAST CONCRETE BUTTED BOX BEAMS SHEET 4
7.80 PRESTRESSED CONCRETE ANCHOR ROD AND JOINT DETAILS
8.10 DECK SLAB DETAILS
8.20 DRAINAGE DETAILS
9.10 END POST DETAILS FOR SAFETY BARRIER PARAPET (HIGH VOLUME, HIGH SPEED)
9.20 END POST DETAILS FOR SAFETY BARRIER PARAPET (LOW VOLUME, LOW SPEED)
9.30 END POST DETAILS FOR PARAPET WITH SIDEWALK
9.40 END POST DETAILS FOR TWO BAR RAIL
9.50 END POST DETAILS FOR FOUR BAR RAIL
10.10 SIDEWALK, SAFETY BARRIER AND PARAPET DETAILS
10.20 ONE AND FOUR BAR RAIL AND POST DETAILS
10.21 BALDWIN FOUR BAR ORNAMENTAL RAIL
10.22 FOUR BAR STEEL BRIDGE RAIL (CRASH–TESTED)
10.30 TWO BAR STEEL BRIDGE RAIL (CRASH–TESTED)
10.31 TWO BAR STEEL BRIDGE RAIL WITHOUT SIDEWALK
10.32 TWO BAR STEEL BRIDGE RAIL WITH SIDEWALK
10.40 PROTECTIVE SCREEN (CHAIN LINK FENCE)
10.50 PROTECTIVE SCREEN (BARRIER TYPE)
11.10 CURB DETAILS
12.10 WALL JOINTS AND MISCELLANEOUS DETAILS
13.10 LIGHT STANDARD ANCHORAGES AND ELECTRICAL DETAILS
14.10 PAVED SLOPE DETAILS
14.20 ABUTMENTS, PIERS AND WALLS IN CUT
14.30 ABUTMENTS, PIERS AND WALLS ON FILL

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
DIVISION OF PUBLIC WORKS

APPROVED

MANAGING ENGINEER
BRIDGE DESIGN — DATE

APPROVED

DEPUTY CHIEF ENGINEER — DATE

APPROVED

CHIEF ENGINEER — DATE