

# SECTION I - BARRIER

SHEET NO.	NAME
B-L (2021)	– BARRIER LEGEND
B-1	– GUARDRAIL APPLICATIONS (TYPES 1-31, 2-31, AND 3-31)
	(2020) - 1 PLAN VIEWS
	(2020) - 2 ELEVATION VIEWS AND SPLICE DETAIL
	(2021) - 3 SECTION VIEWS
	(2022) - 4 TYPE 1-31, GUARDRAIL WITH OMITTED POST
	(2020) - 5 TYPE 1-31, GUARDRAIL STEEP SLOPE
B-2	– GRADING FOR GUARDRAIL END TREATMENTS (TYPES 1, 2, AND 3)
	(2022) - 1 TYPE 1-31
	(2022) - 2 TYPE 2-31
	(2022) - 3 TYPE 3-31
B-3	– GUARDRAIL OVER CULVERTS (TYPES 1-31, 2-31, AND 3-31)
	(2021) - 1 TYPE 1-31
	(2020) - 2 TYPE 2-31
	(2020) - 3 TYPE 3-31
B-4 (2022)	– END ANCHORAGE , TYPE 1-31
B-5	– RESERVED
B-6	– RESERVED
B-7 (2020)	– W-BEAM, TYPE 1-27 TO TYPE 1-31 TRANSITION SECTION
B-8 (2020)	– GUARDRAIL TO BARRIER CONNECTION - APPROACH AND EXIT TYPE 1-31
	(2020) - 1 APPROACH TYPE 1-31- PLAN AND ELEVATION VIEWS
	(2020) - 2 TYPE 1 HARDWARE
	(2020) - 3 BENT PLATE RUB RAIL
	(2020) - 4 EXIT TYPE 1-31
B-9	– RESERVED
B-10	– GUARDRAIL TO BARRIER CONNECTION - APPROACH TYPE 3-31
	(2022) - 1 APPROACH TYPE 3-31- PLAN AND ELEVATION VIEWS
	(2020) - 2 POST
	(2020) - 3 POST AND OFFSET BLOCK
	(2020) - 4 TERMINAL END SHOE AND CONNECTION
B-11	– THRIE-BEAM APPROACH GUARDRAIL TRANSITION (AGT) TO CONCRETE BUTTRESS
	(2020) - 1 THRIE-BEAM AGT TO CONNECTION BUTTRESS - ELEVATION AND PLAN VIEWS
	(2020) - 2 THRIE-BEAM AGT TO CONCRETE BUTTRESS - PLAN, ELEVATION, AND SECTION REINFORCEMENT VIEWS
	(2020) - 3 36" F- SHAPE TRANSITION
	(2020) - 4 36" F- SHAPE TRANSITION REINFORCEMENT
	(2020) - 5 42" F- SHAPE TRANSITION
	(2020) - 6 42" F- SHAPE TRANSITION REINFORCEMENT
	(2020) - 7 42" SINGLE SLOPE TRANSITION
	(2020) - 8 42" SINGLE SLOPE TRANSITION REINFORCEMENT
B-12	– RESERVED
B-13	– HARDWARE
	(2020) - 1 W-BEAM SECTION AND ELEVATION VIEWS
	(2020) - 2 W-BEAM STEEL POST AND OFFSET BLOCK
	(2020) - 3 W-BEAM TERMINAL CONNECTOR
	(2020) - 4 THRIE BEAM AND THRIE BEAM EXPANSION ELEMENT SECTION AND ELEVATION
	(2020) - 5 THRIE BEAM STEEL POST AND OFFSET BLOCK
	(2020) - 6 ASYMMETRIC AND SYMMETRIC W-BEAM TO THRIE BEAM TRANSITION SECTION
	(2020) - 7 WOOD OFFSET BLOCKS, SOIL PLATE, STEEL TUBE AND WOOD BREADAWAY POSTS
	(2022) - 8 END ANCHORAGE HARDWARE
	(2020) - 9 REFLECTOR AND W-BEAM BEARING PLATE
	(2021) - 10 GUARDRAIL MOUNTED RAIL
	(2020) - 11 DOWNSTREAM ANCHORAGE SYSTEM - GROUND STRUT & ANCHOR BRACKET
	(2020) - 12 GUARDRAIL TO BARRIER CONNECTION - THRIE BEAM TERMINAL CONNECTOR



## SECTION I - BARRIER (CONT'D)

SHEET NO.	NAME
B-14	— RESERVED
B-15	— GUARDRAIL APPLICATIONS, 27" (2020) - 1 PLAN VIEWS (2020) - 2 ELEVATION VIEWS AND SPLICE DETAIL (2020) - 3 SECTION VIEWS
B-16	— RESERVED
B-17 (2020)	— GUARDRAIL END TREATMENT, TYPE 4-27
B-18 (2020)	— CURVED GUARDRAIL SECTION, TYPE 1-27
B-19	— RESERVED
B-20	— BURRIED IN BACK SLOPE END TERMINAL, TYPE 1-31 (2020) - 1 PERSPECTIVE AND ELEVATION VIEWS (2020) - 2 SECTION VIEWS (2020) - 3 HARDWARE (2020) - 4 POSTS
B-21	— RESERVED
B-22	— RESERVED
B-23	— RESERVED
B-24	— RESERVED
B-25	— CONCRETE ROADSIDE BARRIER, 36" (2020) - 1 TYPICAL SECTIONS, TYPE 1, TYPE 2, AND TYPE 3 (2020) - 2 ELEVATION AND REINFORCEMENT
B-26	— CONCRETE ROADSIDE BARRIER, 42" (2020) - 1 TYPICAL SECTIONS, TYPE 1, TYPE 2, AND TYPE 3 (2020) - 2 ELEVATION AND REINFORCEMENT
B-27	— CONCRETE ROADSIDE BARRIER, 32" F-SHAPE (2020) - 1 ELEVATION AND REINFORCEMENT
B-28	— CONCRETE ROADSIDE BARRIER, 36" F-SHAPE (2020) - 1 ELEVATION AND REINFORCEMENT
B-29	— CONCRETE ROADSIDE BARRIER, 42" F-SHAPE (2020) - 1 ELEVATION AND REINFORCEMENT
B-30	— CONCRETE ROADSIDE BARRIER, 42" SINGLE SLOPE (2020) - 1 ELEVATION AND REINFORCEMENT

## SECTION II - CURB & GUTTER

SHEET NO.	NAME
C-1	— PCC CURB (2022) - 1 PCC CURB (2022) - 2 INTEGRAL PCC CURB & GUTTER (2022) - 3 INTEGRAL PCC CURB & GUTTER (FOR USE AT PEDESTRIAN CONNECTIONS ONLY) (2020) - 4 PCC ROUNDABOUT CURB AND GUARDRAIL MEDIAN CURB
C-2	— PEDESTRIAN CONNECTION (2021) - 1 GENERAL NOTES (2021) - 2 TYPE 1 (2022) - 3 TYPE 1 (2021) - 4 TYPE 2 (2021) - 5 TYPE 3 (2022) - 6 TYPE 4 (2022) - 7 DWS PLACEMENT AND TYPE 5

## SECTION II - CURB & GUTTER (CONT'D)

SHEET NO.	NAME
C-3 (2022)	– ENTRANCES
C-4 (2022)	– CURB OPENING
C-5 (2022)	– CURB/SIDEWALK OPENING
C-6 (2021)	– CURB RETAINING WALL

## SECTION III - DRAINAGE

SHEET NO.	NAME
D-1	– CONCRETE 6:1 SAFETY END STRUCTURE (2018) - 1 PLAN AND SECTION VIEWS (2018) - 2 SCHEDULES
D-2	– CONCRETE 10:1 SAFETY END STRUCTURE (2018) - 1 PLAN AND SECTION VIEWS (2018) - 2 SCHEDULES
D-3	– SAFETY GRATES (2020) - 1 SAFETY END STRUCTURE GRATE AND ASSEMBLY (2022) - 2 PERSONNEL SAFETY GRATE FOR PIPE INLET
D-R (2020)	– DRAINAGE INLET REFERENCE SHEET
D-4 (2020)	– INLET BOX
D-5	– DRAINAGE INLET DETAILS (2020) - 1 DRAINAGE INLET ASSEMBLY (2020) - 2 DRAINAGE INLET FRAME AND GRATES (2022) - 3 DRAINAGE INLET TOP UNITS (2020) - 4 DRAINAGE INLET COVER SLAB (2020) - 5 DOUBLE INLET COVER SLAB (2020) - 6 34" X 24" DRAINAGE INLET AND COVER SLAB (2020) - 7 34" X 18" DRAINAGE INLET (2022) - 8 DRAINAGE INLET TOP UNIT, TYPE S (2020) - 9 DOGHOUSE INLET BOX
D-6	– MANHOLE DETAILS (2020) - 1 BOX MANHOLE ASSEMBLY (2020) - 2 ROUND MANHOLE ASSEMBLY (2020) - 3 MANHOLE, GRADE RING, TOP UNIT, FRAME AND COVER (2020) - 4 BOX MANHOLE COVER SLAB (2020) - 5 ROUND MANHOLE COVER SLAB
D-7	– RESERVED
D-8 (2021)	– PIPE BEDDING AND PIPED FLARED END SUPPORT
D-9 (2020)	– PERFORATED PIPE UNDERDRAIN
D-10 (2020)	– PIPE PLUGGING
D-11	– RESERVED

## SECTION IV - EROSION

SHEET NO.	NAME
E-1 (2020)	– CONCRETE WASHOUT
E-2	– SILT FENCE (2020) - 1 SILT FENCE (2020) - 2 SUPER SILT FENCE
E-3 (2020)	– SEDIMENT TRAP
E-4 (2020)	– INLET SEDIMENT CONTROL, DRAINAGE INLET
E-5 (2020)	– INLET SEDIMENT CONTROL, CULVERT INLET



## SECTION IV - EROSION (CONT'D)

SHEET NO.	NAME
E-6 (2020)	– PORTABLE SEDIMENT TANK
E-7 (2014)	– SUMP PIT
E-8 (2020)	– SKIMMER DEWATERING DEVICE
E-9	– CHECK DAM
	(2017) - 1 STONE CHECK DAM
	(2017) - 2 COMPOST FILTER LOG CHECK DAM
E-10 (2020)	– TEMPORARY SLOPE DRAIN
E-11	– RESERVED
E-12	– RESERVED
E-13	– RESERVED
E-14 (2014)	– STABILIZED CONSTRUCTION ENTRANCE
E-15 (2014)	– SANDBAG DIKE
E-16 (2014)	– SANDBAG DIVERSION
E-17 (2020)	– GEOTEXTILE-LINED CHANNEL DIVERSION
E-18 (2014)	– TURBIDITY CURTAIN
E-19 (2020)	– STILLING WELL
E-20 (2014)	– RIPRAP ENERGY DISSIPATOR
E-21 (2020)	– STONE OUTLET

## SECTION V - LANDSCAPING

SHEET NO.	NAME
L-1	– PLANT DETAILS
	(2017) - 1 ROADSIDE SHRUB PLANTING
	(2017) - 2 TREE PLANTING
	(2017) - 3 PERENNIAL/GROUND COVER PLANTING

## SECTION VI - MISCELLANEOUS

SHEET NO.	NAME
M-1 (2021)	– RIGHT-OF-WAY FENCE
M-2 (2017)	– RIGHT-OF-WAY MONUMENTATION
M-3 (2022)	– SHARED-USED PATH AND SIDEWALK
M-4 (2011)	– BIKE RACK LAYOUT
M-5 (2020)	– WOOD RAIL FENCE
M-6 (2011)	– PATTERNED HOT-MIX OR CONCRETE & BRICK PAVER
M-7 (2022)	– CHAIN LINK FENCE
M-8 (2014)	– PCC PARKING BUMPER
M-9	– BUS STOP PAD
	(2021) - 1 BUS STOP PAD DETAILS, TYPES 1, 2, & 3
	(2021) - 2 BUS STOP PAD WITH SHELTER DETAILS, TYPES 1 & 2
M-10 (2020)	– BRIDGE SAFETY FENCE
	(2014) - 1 BRIDGE SAFETY FENCE, TYPE 1
	(2014) - 2 BRIDGE SAFETY FENCE, TYPE 2
	(2017) - 3 HARDWARE
M-11	– STEEL PLATE
	(2021) - 1 ROADWAY
	(2021) - 2 BRIDGE DECK
	(2021) - 3 BRIDGE DECK
M-12 (2020)	– DRIVEWAY TRANSVERSE SLOPE GRADING
M-13 (2021)	– TEMPORARY PEDESTRIAN PATHWAY



## SECTION VII - PAVEMENT

SHEET NO.	NAME
P-1	— <b>PCC PAVEMENT</b>
	(2022) - 1 SLAB PLAN (WITH DOWEL AND TIE LOCATIONS)
	(2020) - 2 JOINT AND SEALANT
	(2020) - 3 W BOLT, HOOK BOLT, DOWEL AND TIE BAR
	(2020) - 4 DOWEL SUPPORT BASKET
P-2	— <b>PCC PAVEMENT PATCHING</b>
	(2020) - 1 FULL DEPTH PATCH, PLAN VIEWS
	(2020) - 2 FULL DEPTH PATCH, SECTION VIEWS
	(2020) - 3 FULL DEPTH PATCH, SEALANT DETAILS, GROUT RETENTION DISK, AND DOWEL BAR
	(2020) - 4 FULL DEPTH PATCH, DOWEL AND TIE BAR PLACEMENT TOLERANCES
P-3 (2022)	— <b>BUTT JOINTS</b>
P-4 (2020)	— <b>PERMANENT CROSS-ROAD PATCH OVER PIPE TRENCH</b>
P-5 (2018)	— <b>RUMBLE STRIPS</b>
P-6 (2021)	(2020) - 1 CONTINUOUS EDGELINE AND CONTINUOUS SHALLOW DEPTH
	(2020) - 2 BIKE FRIENDLY EDGELINE AND CENTERLINE
P-6 (2021)	— <b>PAVEMENT SAFETY EDGE</b>

## SECTION VIII - TRAFFIC

SHEET NO.	NAME
T-1	— <b>CONDUIT JUNCTION WELLS</b>
	(2020) - 1 TYPE 1
	(2020) - 2 TYPE 4
	(2020) - 3 TYPE 5
T-2 (2011)	— <b>JUNCTION WELL, GROUNDING &amp; BONDING FOR STEEL FRAMES &amp; LIDS</b>
T-3 (2022)	— <b>STANDARD LIGHTING CABINET, TYPES M, P, AND R</b>
T-4	— <b>CABINET BASES</b>
T-5	(2020) - 1 TYPES M, K, & F
	(2020) - 2 TYPES "P & R"
T-5	— <b>POLE BASES</b>
T-6	(2022) - 1 ROUND BASE & ROUND BASE WITH SQUARE FOUNDATION HEADER
	(2022) - 2 TYPICAL SECTION AND INSTALLATION (BASES 1, 2, 2A, 2B, 3, 3A, AND 3B)
	(2022) - 3 TYPICAL SECTION (BASES 6A) AND POLE BASE DATA CHART
	(2022) - 4 TYPICAL SECTION (BASES 6B) AND POLE BASE DATA CHART
	(2022) - 5 TYPICAL SECTION (BASE 4A AND 4B) AND ANCHOR DETAIL
T-6	— <b>**DETAIL REMOVED IN 2020 REVISIONS**</b>
T-7	— <b>**DETAIL REMOVED IN 2020 REVISIONS**</b>
T-8	— <b>LOOP DETECTOR LEAD-IN WIRE INSTALLATION</b>
T-8	(2021) - 1 JUNCTION WELL BEHIND CURB OR CURB AND GUTTER WITH GRASS STRIP
	(2020) - 2 JUNCTION WELL BEHIND CURB OR CURB & GUTTER WITH SIDEWALK AND JUNCTION WELL DIRECTLY BEHIND CURB OR CURB & GUTTER
	(2020) - 3 JUNCTION WELL IN CONCRETE ISLAND
	(2020) - 4 JUNCTION WELL WITHOUT CURB OR CURB & GUTTER WITH SIDEWALK AND GRASS STRIPS AND JUNCTION WELL DIRECTLY ADJACENT TO PAVED SURFACE
T-9	— <b>LOOP DETECTOR</b>
T-9	(2020) - 1 LOOP DETECTOR SAWCUT TYPICAL, HOT MIX SURFACE TYPICAL SECTION, AND SPLICE KIT
	(2020) - 2 TYPICAL INTERSECTION LAYOUT
	(2020) - 3 PEDESTRIAN CROSSING TYPICAL LAYOUT
	(2022) - 4 WIRING COLOR CODES
T-10	— <b>**DETAIL REMOVED IN 2012 REVISIONS**</b>



# SECTION VIII - TRAFFIC (CONT'D)

SHEET NO.	NAME
T-11	<ul style="list-style-type: none"> <li>- MESSENGER WIRE ATTACHMENT</li> <li>(2020) - 1 INTERMEDIATE MESSENGER WIRE ATTACHMENT ON WOOD POLES</li> <li>(2020) - 2 ANGULAR INTERMEDIATE MESSENGER WIRE ATTACHMENT</li> </ul>
T-12	<ul style="list-style-type: none"> <li>- SPAN WIRES</li> <li>(2020) - 1 ATTACHMENT BETWEEN POLES</li> <li>(2020) - 2 DEAD END MESSENGER WIRE ATTACHMENT</li> <li>(2022) - 3 SPAN WIRE ASSEMBLY</li> </ul>
T-13	- RESERVED
T-14	<ul style="list-style-type: none"> <li>- EMERGENCY PREEMPTION RECIEVER</li> <li>(2020) - 1 UPRIGHT MOUNT</li> <li>(2020) - 2 INVERTED MOUNT</li> </ul>
T-15 (2022)	- BREAKAWAY SIGN POST AND PIN ASSEMBLY DETAILS
T-16 (2020)	- PERMANENT WOOD BARRICADE
T-17	<ul style="list-style-type: none"> <li>- ELECTRICAL SERVICE PEDESTAL - LIGHTING, SIGNAL &amp; 'ITMS' COMPONENT INSTALLATIONS</li> <li>(2022) - 1 100 AMP (3+ DEVICES)</li> <li>(2022) - 2 100 AMP (CONDENSED)</li> <li>(2022) - 3 100 AMP (UP TO 2 DEVICES)</li> <li>(2022) - 4 200 AMP - STANDARD LIGHTING COMPONENT INSTALLATIONS</li> <li>(2022) - 5 LIGHTING COMPONENT INSTALLATIONS (12 OR LESS FIXTURES)</li> <li>(2022) - 6 SIGN ASSEMBLIES WITH FLASHING BEACONS - 100 AMP</li> <li>(2022) - 7 SIGN ASSEMBLIES WITH FLASHING BEACONS - 100 AMP (CONDENSED)</li> </ul>
T-18	<ul style="list-style-type: none"> <li>- PEDESTRIAN PUSHBUTTON LOCATION</li> <li>(2022) - 1 PUSHBUTTON ASSEMBLY LOCATION ON POLE</li> <li>(2022) - 2 SIGN ATTACHMENT DETAIL</li> <li>(2022) - 3 AC-POWERED RRFB SIGNAL POLE INSTALLATION</li> </ul>
T-19	<ul style="list-style-type: none"> <li>- BARRIER MOUNTED SIGN</li> <li>(2022) - 1 BARRIER MOUNTED SIGN</li> <li>(2022) - 2 SIGN ATTACHMENT DETAIL</li> </ul>
T-20	<ul style="list-style-type: none"> <li>- BREAKAWAY STEEL SIGN SUPPORT CHARTS</li> <li>(2022) - 1 TWO POST SELECTION CHART</li> <li>(2022) - 2 ONE POST SELECTION AND THREE POST SELECTION CHARTS</li> </ul>
T-21	- SIGN INSTALLATION DATE DECAL
T-22	- EXTRUDED ALUMINUM DETAILS VERTICAL SUPPORT ATTACHMENT
T-23	<ul style="list-style-type: none"> <li>- BREAKAWAY STEEL SIGN SUPPORT FOUNDATIONS</li> <li>(2022) - 1 TYPE A AND B SIGN POST FOUNDATIONS</li> <li>(2022) - 2 TYPE C SIGN POST FOUNDATION</li> </ul>
T-24	- GALVANIZED STEEL BEAM SIGN POSTS VERTICAL AND LATERAL CLEARANCE
T-25	- MILE MARKER BARRIER MOUNT
T-26	- GALVANIZED STEEL BEAM SIGN POSTS SERVICE PANEL ATTACHMENT DETAILS
T-27	<ul style="list-style-type: none"> <li>- EXTRUDED ALUMINUM DETAIL</li> <li>(2022) - 1 ALUMINUM PANEL AND BORDER DETAILS</li> <li>(2022) - 2 HARDWARE</li> </ul>