

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 |
| | (2020) - 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) |
| | (2021) - 1 TYPE 1-31 |
| | (2021) - 2 TYPE 2-31 |
| | (2020) - 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 (2021) | – 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 |
| | (2020) - 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 |
| | (2020) - 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 (2021) - 1 PCC CURB (2021) - 2 INTEGRAL PCC CURB & GUTTER (2021) - 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 (2021) - 3 TYPE 1 (2021) - 4 TYPE 2 (2021) - 5 TYPE 3 (2021) - 6 TYPE 4 (2021) - 7 DWS PLACEMENT AND TYPE 5 |



SECTION II - CURB & GUTTER (CONT'D)

| SHEET NO. | NAME |
|------------|-------------------------|
| C-3 (2021) | – ENTRANCES |
| C-4 (2020) | – CURB OPENING |
| C-5 (2021) | – 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 (2020) - 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 (2020) - 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 (2021) - 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 (2021) | – 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 (2020) | – 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 | – PCC PAVEMENT |
| | (2020) - 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 | – PCC PAVEMENT PATCHING |
| | (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 (2014) | – BUTT JOINTS |
| P-4 (2020) | – PERMANENT CROSS-ROAD PATCH OVER PIPE TRENCH |
| P-5 (2018) | – RUMBLE STRIPS |
| P-6 (2021) | (2020) - 1 CONTINUOUS EDGELINE AND CONTINUOUS SHALLOW DEPTH |
| | (2020) - 2 BIKE FRIENDLY EDGELINE AND CENTERLINE |

SECTION VIII - TRAFFIC

| SHEET NO. | NAME |
|------------|--|
| T-1 | – CONDUIT JUNCTION WELLS |
| | (2020) - 1 TYPE 1 |
| | (2020) - 2 TYPE 4 |
| | (2020) - 3 TYPE 5 |
| T-2 (2011) | – JUNCTION WELL, GROUNDING & BONDING FOR STEEL FRAMES & LIDS |
| T-3 | – RESERVED |
| T-4 | – CABINET BASES |
| T-5 | (2020) - 1 TYPES M, K, & F |
| | (2020) - 2 TYPES "P & R" |
| T-5 | – POLE BASES |
| T-6 | (2020) - 1 ROUND BASE & ROUND BASE WITH SQUARE FOUNDATION HEADER |
| | (2021) - 2 TYPICAL SECTION AND INSTALLATION (BASES 1, 2, 2A, 2B, 3, 3A, AND 3B) |
| | (2021) - 3 TYPICAL SECTION (BASES 6) AND POLE BASE DATA CHART |
| | (2021) - 4 TYPICAL SECTION (BASE 4A AND 4B) AND ANCHOR DETAIL |
| T-6 | – **DETAIL REMOVED IN 2020 REVISIONS** |
| T-7 | – **DETAIL REMOVED IN 2020 REVISIONS** |
| T-8 | – LOOP DETECTOR LEAD-IN WIRE INSTALLATION |
| 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 | – LOOP DETECTOR |
| 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 |
| | (2021) - 4 WIRING COLOR CODES |
| T-10 | – **DETAIL REMOVED IN 2012 REVISIONS** |



SECTION VIII - TRAFFIC (CONT'D)

| SHEET NO. | NAME |
|-------------|--|
| T-11 | – MESSENGER WIRE ATTACHMENT (2020) - 1 INTERMEDIATE MESSENGER WIRE ATTACHMENT ON WOOD POLES (2020) - 2 ANGULAR INTERMEDIATE MESSENGER WIRE ATTACHMENT |
| T-12 | – SPAN WIRES (2020) - 1 ATTACHMENT BETWEEN POLES (2020) - 2 DEAD END MESSENGER WIRE ATTACHMENT (2020) - 3 SPAN WIRE ASSEMBLY |
| T-13 | – RESERVED |
| T-14 | – EMERGENCY PREEMPTION RECIEVER (2020) - 1 UPRIGHT MOUNT (2020) - 2 INVERTED MOUNT |
| T-15 (2013) | – BREAKAWAY SIGN POST AND PIN ASSEMBLY DETAILS |
| T-16 (2020) | – PERMANENT WOOD BARRICADE |
| T-17 | – ELECTRICAL SERVICE PEDESTAL - LIGHTING, SIGNAL & 'ITMS' COMPONENT INSTALLATIONS (2020) - 1 100 AMP (3+ DEVICES) (2020) - 2 100 AMP (CONDENSED) (2020) - 3 100 AMP (UP TO 2 DEVICES) (2020) - 4 200 AMP - STANDARD LIGHTING COMPONENT INSTALLATIONS (2020) - 5 LIGHTING COMPONENT INSTALLATIONS (12 OR LESS FIXTURES) |
| T-18 | – PEDESTRIAN PUSHBUTTON LOCATION (2021) - 1 PUSHBUTTON ASSEMBLY LOCATION ON POLE (2020) - 2 SIGN ATTACHMENT DETAIL |