

**ATTENTION: DESIGN ENGINEERS AND GRAPHICS COORDINATORS**

TITLE	DESCRIPTION
<b><u>BARRIER (FLEXIBLE)</u></b>	
GF (31)-19	METAL BEAM GUARD FENCE
GF (31)DAT-19	METAL BEAM GUARD FENCE (DOWNSTREAM ANCHOR TERMINAL)
GF (31)LS-19	METAL BEAM GUARD FENCE (LONG SPAN)
GF (31)TR-TL3-20	METAL BEAM GUARD FENCE TRANSITION (TL-3) (THREE BEAM TRANSITION)
GF (31)TR-TL2-19	METAL BEAM GUARD FENCE TRANSITION (TL2) (LOW SPEED TRANSITION)
GF (31)T101-19	METAL BEAM GUARD FENCE TRANSITION (T101)
GF (31)T6-19	METAL BEAM GUARD FENCE TRANSITION (T6)
GF (31)MS-19	METAL BEAM GUARD FENCE (MOW STRIP)
SRG (TL-2)-21	SHORT RADIUS GUARDRAIL SYSTEM, (31") (TL-2), (3 SHEETS)
SRG (TL-3)-21	SHORT RADIUS GUARDRAIL SYSTEM, (31") (TL-3), (3 SHEETS)
RAIL-ADJ(A)-19	METAL BEAM GUARD FENCE ADJUSTMENT
RAIL-ADJ(B)-19	METAL BEAM GUARD FENCE ADJUSTMENT
BED-14	BRIDGE END DETAILS (METAL BEAM GUARD FENCE APPLICATIONS TO RIGID RAILS)
<b><u>BARRIER (RIGID)</u></b>	
CSB (1)-10	CONCRETE SAFETY BARRIER (F-SHAPE), PRECAST (TYPE 1), (2 SHEETS)
CSB (2)-13	CONCRETE SAFETY BARRIER (F-SHAPE), CAST-IN-PLACE (TYPE 1) (FLEXIBLE PAVEMENT)
CSB (3)-16	CONCRETE SAFETY BARRIER (F-SHAPE), CAST-IN-PLACE (TYPE 1) (BRIDGE DECK OR CRCP)
CSB (4)-19	CONCRETE SAFETY BARRIER (F-SHAPE), CAST-IN-PLACE (TYPE 2) AT LIGHT POLE
CSB (6)-10	CONCRETE SAFETY BARRIER (F-SHAPE), CAST-IN-PLACE (TYPE 3) AT FIXED OBJECTS
CSB (7)-10	CONCRETE SAFETY BARRIER (F-SHAPE), PRECAST (TYPE 1) PINNED PLACEMENT
CSB (8)-10	CONCRETE SAFETY BARRIER (F-SHAPE), PRECAST (TYPE 4) (10 FT. BARRIER SEGMENT)
SSCB (1)-16	SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE (TYPE 1) (BRIDGE DECK OR CRCP)
SSCB (1F)-10	SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE (TYPE 1) (FLEXIBLE PAVEMENT)
SSCB (2)-10	SINGLE SLOPE CONCRETE BARRIER, PRECAST (TYPE 1), (2 SHEETS)
SSCB (3)-10	SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE (TYPE 3) AT FIXED OBJECTS
SSCB (4)-19	SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE (TYPE 4) AT LIGHT POLE
SSCB (5)-10	SINGLE SLOPE CONCRETE BARRIER, PRECAST (TYPE 1) PINNED PLACEMENT
LPCB-13	LOW PROFILE CONCRETE BARRIER, PRECAST (TYPE 1 & 2), (2 SHEETS)
LPTB-22	LOW PROFILE CONCRETE T-BARRIER, PRECAST CONCRETE MASH-TL-3 COMPLIANT
FSLP (TR)-10	F-SHAPE TO LOW PROFILE, PRECAST BARRIER TRANSITION (TYPE T), (2 SHEETS)
SSCB-P (XB1)-20	SINGLE SLOPE CONCRETE BARRIER (PRECAST), X-BOLT CONNECTION, RESTRAINED, (TL-4)
SSCB-P (XB2)-20	SINGLE SLOPE CONCRETE BARRIER (PRECAST), X-BOLT CONNECTION, UNRESTRAINED, (TL-4)
SSCHEB-21	SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE (HEB) (RIGID PAVEMENT) (TL-4), (4 SHEETS)
SSCHEB2-21	SINGLE SLOPE CONCRETE BARRIER, CAST-IN-PLACE (HEB) (FLEXIBLE PAVEMENT) (TL-4), (3 SHEETS)
FSHEBSS (TR)-21	F-SHAPE TO HEB SINGLE SLOPE, CAST-IN-PLACE BARRIER TRANSITION, (RIGID) (TL-3), (2 SHEETS)
FSHEBSS (TR2)-21	F-SHAPE TO HEB SINGLE SLOPE, CAST-IN-PLACE BARRIER TRANSITION, (FLEXIBLE) (TL-3)
BG-11	BARRIER GATE, (2 SHEETS)
<b><u>BARRIER (STEEL)</u></b>	
BARRIERGUARD-19	BARRIERGUARD 800 SYSTEM, (STEEL BARRIER)
HIGHWAYGUARD-21	HIGHWAYGUARD SYSTEM, (STEEL BARRIER)
HV2 BARRIER-21	HV2 SAFETY SYSTEM, (STEEL BARRIER)
ZONEGUARD-19	ZONEGUARD SYSTEM, (STEEL BARRIER)
<b><u>GUARDRAIL END TREATMENTS</u></b>	
SGT (10S) 31-16	SINGLE GUARDRAIL TERMINAL (SOFTSTOP) (STEEL POST)
SGT (11S) 31-18	SINGLE GUARDRAIL TERMINAL (MAX-TENSION) (STEEL POST)
SGT (12S) 31-18	SINGLE GUARDRAIL TERMINAL (MSKT) (STEEL POST)
SGT (13S) 31-18	SINGLE GUARDRAIL TERMINAL (MSKT) (STEEL POST) (RETROFIT-SYSTEM)
SGT (14W) 31-18	SINGLE GUARDRAIL TERMINAL (MSKT) (WOOD POST) (RETROFIT-SYSTEM)
SGT (15) 31-20	SINGLE GUARDRAIL TERMINAL (SPIG-SGET) (STEEL POST)
<b><u>ATTENUATORS / CRASH CUSHIONS</u></b>	
SSCC-16	SINGLE SIDED CRASH CUSHION (BEAT-SSCC)
CATCB (1)-17	CRASH CUSHION ATTENUATING TERMINAL DETAILS, (2 SHEETS)
CATGR (2)-17	CRASH CUSHION ATTENUATING TERMINAL DETAILS, (2 SHEETS)
QG (M) (W)-21	QUADGUARD (M) (WIDE)
QUADGUARD (M10) (N)-20	QUADGUARD (M10) (NARROW)
QGELITE (M10) (N)-20	QUADGUARD (ELITE) (M10) (NARROW)
QGELITE (M10) (W)-20	QUADGUARD (ELITE) (M10) (WIDE)
REACT (M)-21	REUSABLE ENERGY ABSORBING CRASH TERMINAL (NARROW REACT M)
REACT (W)-16	REUSABLE ENERGY ABSORBING CRASH TERMINAL (WIDE REACT 350)
SMT (N)-16	SMART CUSHION (NARROW)
SMT (W)-16	SMART CUSHION (WIDE)
TRACC (W)-16	TRINITY ATTENUATING CRASH CUSHION (WIDE TRACC SYSTEMS) (FASTRACC, TRACC, SHORTRACC)
HEART-16	HYBRID ENERGY ABSORBING REUSABLE TERMINAL
TAU (M) (N)-19	LTS (UNIVERSAL CRASH CUSHION)
TAU-II (W)-16	LTS CRASH CUSHION (WIDE)
TAU-II-R (N)-16	LTS CRASH CUSHION (R-NARROW)
TAU-II-R (W)-16	LTS CRASH CUSHION (R-WIDE)
ABSORB (M)-19	LTS CRASH CUSHION, (TEMPORARY-WORK ZONE ONLY)
SLEDMINI-19	SLEDMINI CRASH CUSHION, TRAFFIX DEVICES INC., (TEMPORARY-WORK ZONE USE ONLY)
SLED-19	SLED CRASH CUSHION, TRAFFIX DEVICES INC., (TEMPORARY-WORK ZONE USE ONLY)
VIA (SPPM)-19	VEHICLE IMPACT ATTENUATOR (SAND FILLED PLASTIC MODULES)
DELTA-22	DELTA CRASH CUSHION (NARROW)

TITLE	DESCRIPTION
<b><u>CABLE BARRIER SYSTEMS</u></b>	
BRIFEN (TL4)-14	BRIFEN WIRE ROPE SAFETY FENCE (TL-4), (3 SHEETS)
CASS (TL3)-14	TRINITY CABLE SAFETY SYSTEM (TL-3)
CASS (TL4)-14	TRINITY CABLE SAFETY SYSTEM (TL-4)
GBRLTR (TL3)-14	GIBRALTAR CABLE BARRIER SYSTEM (TL-3)
GBRLTR (TL4)-14	GIBRALTAR CABLE BARRIER SYSTEM (TL-4)
NU-CABLE (TL3)-14	NU-CABLE BARRIER SYSTEM (TL-3) (3 OR 4 CABLE), (2 SHEETS)
NU-CABLE (TL4)-14	NU-CABLE BARRIER SYSTEM (TL-4) (4 CABLE), (2 SHEETS)
<b><u>PAVEMENTS</u></b>	
TE (HMAC)-11	TAPERED EDGE DETAILS HMAC PAVEMENT
TWT-04	THIN WHITETOPPING DETAILS
CRCP (1)-20	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT, ONE LAYER STEEL BAR PLACEMENT, T-7 TO 13 INCHES, (2 SHEETS)
CRCP (2)-20	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT, TWO LAYER STEEL BAR PLACEMENT, T-14 & 15 INCHES, (2 SHEETS)
REPCP-14	REPAIR OF CONCRETE PAVEMENT, (2 SHEETS)
CPCD-14	CONCRETE PAVEMENT DETAILS, CONTRACTION DESIGN, (2 SHEETS)
JS-14	CONCRETE PAVING DETAILS, JOINT SEALS
TRANS-20	CONCRETE PAVING DETAILS, TRANSITION SLAB, T-7 TO 13 INCHES
<b><u>TEMPORARY EROSION</u></b>	
EC (1)-16	TEMPORARY EROSION, CONTROL MEASURES (FENCE & VERTICAL TRACKING)
EC (2)-16	TEMPORARY EROSION, CONTROL MEASURES (ROCK FILTER DAMS)
EC (3)-16	TEMPORARY EROSION, CONTROL MEASURES (CONSTRUCTION EXITS)
EC (4)-16	TEMPORARY EROSION, CONTROL MEASURES (DIKES, EARTHWORK FOR EROSION CONTROL)
EC (5)-16	TEMPORARY EROSION, CONTROL MEASURES (SWALES, EARTHWORK FOR EROSION CONTROL)
EC (6)-16	TEMPORARY EROSION, CONTROL MEASURES (SEDIMENT BASINS & TRAPS, EARTHWORK FOR EROSION CONTROL)
EC (7)-16	TEMPORARY EROSION, CONTROL MEASURES (TEMPORARY PIPE SLOPE DRAINS)
EC (8)-16	TEMPORARY EROSION, CONTROL MEASURES (TEMPORARY PAVED FLUMES)
EC (9)-16	TEMPORARY EROSION, CONTROL MEASURES (EROSION CONTROL LOG) (3 SHEETS)
<b><u>MISCELLANEOUS</u></b>	
CCCG-22	CONCRETE CURB AND GUTTER
PED-18	PEDESTRIAN FACILITIES, (4 SHEETS)
PRD-13	PEDESTRIAN HANDRAIL DETAILS, (3 SHEETS)
M-10	RIGHT OF WAY MARKER
CLF-10	CHAIN LINK FENCE
WF (1)-10	BARBED WIRE FENCE AND WOVEN WIRE FENCE (WOOD POSTS)
WF (2)-10	BARBED WIRE FENCE AND WOVEN WIRE FENCE (STEEL POSTS)
AREF-21	AMPHIBIAN AND REPTILE EXCLUSION FENCE
<b><u>(28 INCH) SPECIAL APPLICATIONS</u></b>	
MBGF-19	METAL BEAM GUARD FENCE
MBGF (SR)-19	METAL BEAM GUARD FENCE (SHORT RADIUS)
MBGF (TR)-19	METAL BEAM GUARD FENCE TRANSITION (THREE-BEAM TRANSITION)
MBGF (TL2)-19	METAL BEAM GUARD FENCE TRANSITION (TL2) (LOW SPEED TRANSITION)
MBGF (T101)-19	METAL BEAM GUARD FENCE TRANSITION (T101 BRIDGE RAIL)
MBGF (MS)-19	METAL BEAM GUARD FENCE (MOW STRIP)
BED (28)-19	BRIDGE END DETAILS (28" METAL BEAM GUARD FENCE APPLICATIONS TO RIGID RAILS)
<b><u>DESIGN DETAILS</u></b>	
1990 MAILBOX TURNOUT DETAIL.	(NOTE: GRAPHICS FILE; MBTURNOUT.DGN)
2023 SWP3 SUMMARY SHEETS (LESS THAN 1 ACRE).	(NOTE: GRAPHICS FILE; SWP3A23.DGN)
2023 SWP3 SUMMARY SHEETS (1 ACRE OR MORE).	(NOTE: GRAPHICS FILE; SWP3B23.DGN)
2015 ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS (EPIC).	(NOTE: GRAPHICS FILE; EPIC.DGN)
2014 SEAL COAT MATERIAL SELECTION TABLE.	(NOTE: GRAPHICS FILE; SCTABLE.DGN)
2011 BARRIER GATE.	(NOTE: FABRICATION DETAILS; BG(FD).PDF)
2013 CRASH CUSHION SUMMARY SHEET.	(NOTE: GRAPHICS FILE; CCSS.DGN)
2019 COMMERCIAL VEHICLE ENFORCEMENT, WIDENING DETAIL	(NOTE: GRAPHICS FILE; CVEWD.DGN & PDF)

FILE: RDWINDEX.DGN

REVISED/UPDATED STANDARD: SWP3A23 REPLACES SWP3A22  
 REVISED/UPDATED STANDARD: SWP3B23 REPLACES SWP3B22  
 REVISED: JULY 2023: CONTACT: (512)416-2656 - DESIGN DIVISION

CURRENT REVISIONS

**STANDARD SHEETS AND DESIGN DETAILS**



Design Division Standard