

TRAFFIC CONTROL DEVICES

BARRIER SYSTEMS

Any product that meets the requirements of Alberta Transportation Standard Specification for Highway Construction, Specification 5.25 Supply of W-Beam Guardrail and Posts; Specification 5.26 Supply Box Beam Guardrail and Posts; Specification 5.27 Supply of Cable Barrier and Metal Posts or Highway Maintenance Specifications, Specification 54.23 Supply and Install, Realign or Reset W-Beam Guardrail and Posts; Specification 54.24 Supply and Install Box Beam Guardrail and Posts; Specification 4.2 Concrete Curbs, Butters, Sidewalks, Medians & Traffic Islands or Specifications Bridge Construction, Section 14 Guardrail qualifies under this section.

BOX BEAM GUARDRAIL AND POSTS

Standard References

All material supplied shall refer to the following standards, specifications or publications:

- Society of Automotive Engineers
 - SAE J403 – Sept. 80 – Chemical Composition of SAE Carbon Steels
- Canadian Standards Associations
 - CAN/CSA G40.20-M87 – General Requirements for Rolled or Welded Structural Quality Steel
 - CAN/CSA G40.21-M87 – Structural Quality Steel
 - CSA W47.1-1983 – Certification of Companies for Fusion Welding of Steel Structures
 - CSA W59-M1984 – Welded Steel Construction (Metal Arc Welding)
 - CSA G164-M1981 – Hot Dip Galvanizing of Irregularly Shaped Articles
- American Society for Testing and Materials
 - ASTM A307-86a – Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength
 - ASTM A325M-86 – High-Strength Bolts for Structural Steel Joints (Metric)

CABLE BARRIER AND METAL POSTS (SPECIFICATION 5.27)

THREE BEAM GUARDRAIL

Any product that meets the requirements of Alberta Transportation Specification Amendments and Supplemental Specifications for Highway and Bridge Construction Section 14 and qualifies under this section.

W-BEAM GUARDRAIL AND POSTS (SPECIFICATION 5.25)

Steel Posts (Semi-Rigid System)

Steel for posts and hardware shall conform to CSA Standard G40.21 Grade 350W or ASTM Standard A36 and shall be hot dip galvanized after fabrication conforming to ASTM A123/A123M.

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS

Recycled Guardrail Offset Blockout

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
King Block* Caveat: See below. Report		
Mondo Offset Block* Caveat: See Below		

* Not to be used on Bridge Approach Rail Transitions. Refer to the departments Bridge Approach Rail Transition standard drawings.

GUARDRAIL

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
Gregory Mini Spacer (GMS)	Midwest Guardrail System (Expiry Date: February 2024)	
Trinity Guardrail System		

STEEL BARRIER SYSTEMS

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
Vulcan Longitudinal Steel Barrier	Orion Portable Steel Barrier (Expiry Date: Sept. 2023)	SafeZone Steel Barrier (Expiry Date: Dec. 2024)
Vulcan Gate System		Guardian5 (G5) (Expiry Date: July 2024)
Zoneguard		Defender Barrier 100 FS (Expiry Date: Feb. 2025)
BarrierGuard 800		Defender Barrier 100 HC (Expiry Date: Feb. 2025)
BarrierGuard 800 Opening Gate		Defender Barrier 100 LDS (Expiry Date: Feb. 2025)

NON-PROPRIETARY

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS

HIGH TENSION CABLE BARRIER

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
Gibraltar Cable Barrier System		
Gibraltar (4 strand) Cable Barrier System		
Trinity CASS Cable Barrier System REPORT Stony Trail (Feb 2012) (Oct 2011)		
Trinity Cable Safety System CASS S3 REPORT Hwy 16 Vermilion (Oct 2011) REPORT Hwy 16 Vermilion (Mar 2012)		

HIGH TENSION CABLE BARRIER ANCHORS

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
Gibraltar 3 or 4 Cable Steel Drawings		
CASS & CASS S3 Cable Steel		

CONCRETE BARRIER

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS

IMPACT ATTENUATORS (SEE HIGHWAY SAFETY DEVICES) FLEXIBLE

GUIDE POST TRAFFIC DELINEATORS

Any product that meets the requirements of Alberta Transportation Standard Specification for Highway Construction, Specification 5.28 Supply Flexible Guide Post Traffic Delineators or Highway Maintenance Specifications, Specification 54.19 Guide Posts qualifies under this section. Following caveats apply to the Guidepost Traffic Delineators:

1. The base of the product shall be fixed to the highway using bolts and plugs and not with the adhesive materials. The separation between the bases shall be at least 150mm for storm water to flow through. The post shall be 36" Round post (not long squeeze), matching color for reflective sheeting, post color, and line color. For the white delineators, IN LOCATIONS WHERE THERE IS NO OVERHEAD ILLUMINATION, the top portion of the post is to have a 250 mm black portion, with the reflector(s) placed within the black portion. In illuminated areas, the black portion is not necessary. The thinking is that the increased contrast is required in non-illuminated areas because the delineators are often placed at the edge, or near the edge, of the roadway. For the yellow delineators, the black portion is not necessary.
2. The reflective sheeting material shall be super-high intensity retroreflective sheeting meeting the minimum requirements as specified in ASTM D4956 for a Type X sheeting with Class I pressure sensitive adhesive backing.

TRAFFIC DELINEATORS

Proprietary

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
Delnorth International Steel-Flex Road Edge Delineator REPORT (2010) (caveat)	Shur-Curb Traffic Separator / Chennelizer (Expiry Date: September 2024)	MP FlexPost Channelizer Post (Expiry Date: April 2024)
Roadside Delineator Guide Post	Shur-Flex Surface Mount Delineator (Expiry Date: September 2024)	U-Flex Surface Mount Delineator (Expiry Date: February 2027)
3M Linear Delineation System Series 344/346		OmegaPost (Expiry Date: July 2026)
Qwick Kurb		
Urban Plastics Flexible Guide Post		Flexstake 750 Delineator (Expiry Date: April 2024)
Carsonite Roadmarker REPORT		
Carsonite CURV-FLEX REPORT		
Safe-Hit Delineator Post		
Pexco FG300		

FLEXIBLE GUIDEPOST - TRAFFIC DELINEATOR BASES

Proprietary

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
		Tuff Curb XLP (Expiry Date: April 2024)

BARRIER MOUNTED DELINEATORS

Proprietary

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
Steel-Flex Guardrail Marker REPORT		3M Linear Delineation System Series 340 (Expiry Date: Sept. 2024)
Pexco S-Flex Hinged Post-Mounted Guardrail Reflector		
Davidson Traffic Control "I-Flex" Guardrail Reflector		
Type FR-2 Guardrail Marker		
Davidson Traffic Control "PCBM" Barrier Markers		
Davidson Traffic Control T-Flex PCBM Barrier Markers		
Flex-Straight Guardrail Reflector		

TRAFFIC MARKERS

Proprietary

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL

TRAFFIC SIGNALS

Proprietary

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
Leotek LED Modules	JXC 200-HF Series 8 Inch LED (Expiry Date: Oct. 2023)	
Alpha Traffic Intersection UPS	JXC 300-07 Series 12 Inch LED (Expiry Date: Oct. 2023)	
Swarco LED Modules	JXC 200 Series 12 Inch LED (Expiry Date: Oct. 2023)	

Dialight LED Traffic and Pedestrian Signals		
DBL Series LED UPS		
TraStar JXC Series Pedestrian 16 Inch LED		

TRAFFIC/PEDESTRIAN SIGNAL HOUSING

Proprietary

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
		Chapel Hill (CH) Traffic Signal Housing (Expiry Date: July 2024)
		McCain 12" & 16" Pedestrian Signal Housing (Expiry Date: April 2027)
		McCain Traffic Signal Housing 8"/12" Aluminum & Polycarbonate (Expiry Date: April 2027)

TRAFFIC DETECTION

Proprietary

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
Iteris Vantage Next		RTMS Echo (Expiry Date: April 2024)
Smart Sensor Matrix SS-225		Miovision TrafficLink Detection System (with 360° Fisheye Camera) (Expiry Date: October 2024)
Autoscope Vision		Miovision Core DCM (Expiry Date: August 2025)
		Miovision Smart View Approach (Expiry Date: August 2025)
		SLX Micro-Sensor (Expiry Date: July 2026)
		Iteris Wired Versicam (Expiry Date: July 2026)

WORKZONE TRAFFIC CONTROL

Proprietary

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
Opposing Traffic Lane Divider		Wanco Automated Flagger Assistance Device (Expiry Date: July 2024)
ROSA		TrafFix Alert Rumble Strip (Expiry Date: Sept. 2024)
RoadQuake 2 Modular Temporary Portable Rumble Strip		TrafFix Alert High Speed Rumble Strip (Expiry Date: Sept. 2024)
Spider Mini-Roundabout		Flagger-Mac AFAD (Expiry Date: August 2025)
		PTL 2.4 Portable Traffic Signal System (Expiry Date: Sept. 2024)
		RCF 2.4 Automated Flagger Assistance Device (Expiry Date: Sept. 2024)
		RCF 3.4 Portable Lane Control Signal (Expiry Date: February 2027)

MISCELLANEOUS TRAFFIC CONTROL DEVICES

Proprietary

PROVEN PRODUCTS	TRIAL PRODUCTS	POTENTIAL PRODUCTS
		Camera Lowering Systems (Expiry Date: Sept. 2025)