

## AUTHORIZED MATERIAL LIST FOR SIGNING AND DELINEATION MATERIALS

### 1. PAVEMENT MARKERS

#### **Retroreflective with Abrasion Resistant Surface (ARS) (length x width)**

Reauthorization: 06/30/2025

1. Apex, Models 921AR (4" x 4"), 828AR (3.1x4.5) and 899AR (3.1"x4.5")
2. Ennis-Flint, Models 911 (4" x 4") and C80FH (3.1" x 4.5")
3. Ray-O-Lite, Models "AA" ARC II (4" x 4") and ARC Round Shoulder (4" x 4")
4. 3M Series 290 (3.5" x 4")
4. 3M Series 290 PSA
5. Glowlite, Inc Model 988AR (4" x 4")

#### **Retroreflective with Abrasion Resistant Surface (ARS) for recessed applications only)**

Reauthorization: 06/30/2025

1. Ray O Lite, Model 2002 (2" x 4.6")
2. Ray O Lite, Model 2004 (2" x 4")\*
3. Ennis-Flint, Models C40 and 201 with C40

\*For use only in 4.5 inch wide (older) recessed slots

### 2. TEMPORARY PAVEMENT MARKERS

#### **Temporary Markers for Long Term Day/Night Use (180 days or less)**

Reauthorization: 07/31/2025

1. Vega Molded Products "Temporary Road Marker" (3" x 4")
2. Pexco LLC, Halftrack model 25, 26 and 35

#### **Temporary Markers for Short Term Day/Night Use (14 days or less) (For seal coat or chip seal applications, clear protective covers are required)**

Reauthorization: 07/31/2025

1. Apex Universal, Model 932, 932HH
2. Pexco LLC, Models T.O.M., T.R.P.M., and "HH" (High Heat)
3. Hi Way Safety, Inc., Model 1280/1281
4. Glowlite, Inc., Model 932
5. Pexco LLC, Davidson Models SUPER TOM and SUPER TRPM

### 3. STRIPING AND PAVEMENT MARKING MATERIAL

**Traffic Striping and Pavement Marking Tape**

Reauthorization: 08/31/2025

1. Advanced Traffic Marking, Series 300 and 400
2. Brite Line, Series 1000
3. Brite Line, "DeltaLine XRP"
4. Swarco Industries, "Director 60"
5. 3M, "Stamark" 380 IES and 270 ES
6. Advanced Traffic Marking, MaxVision Series 300 White & Yellow

**Temporary (Removable) Striping and Pavement Marking Tape (180 days or less)**

Reauthorization: 08/31/2025

1. Advanced Traffic Marking, Series 200
2. Brite Line, "Series 100", "Deltaline TWR"
3. Garlock Rubber Technologies, Series 2000
4. Tape 4, Aztec, Grade 102
5. Swarco Industries, "Director 2", "Director 2-Wet Reflective"
6. Trelleborg Industries, R140 Series
7. 3M Series 710
8. Advanced Traffic Marking Black "Hide A Line"
9. (Black Tape: for use only on Hot mix asphalt surfaces)
10. Brite Line "BTR" Black Removable Tape
11. (Black Tape: for use only on Hot mix asphalt surfaces)
12. Trelleborg Industries, RB 140
13. (Black Tape: for use only on Hot mix asphalt surfaces)

**Preformed Thermoplastic (Heated in place)**

Reauthorization: 08/31/2025

1. Ennis-Flint, "Hot Tape"
2. Ennis-Flint, "Premark"
3. Ennis-Flint, "Flametape"
4. Alta Traffic Solutions, "Alta All-Season", Series 100 (White Only)
5. Swarco, Preformed Thermoplastic
6. Ozark Materials, Preformed Thermoplastic
7. Potters Industries, "VisiTape"
8. Geveko Markings, "Optamark"
9. Crown USA Inc., "Tuff-Mark"
10. Ennis-Flint, "PreMark XF White"\*
11. Ennis-Flint, "PreMark XF Yellow"\*
12. Preform, LLC "PREFORM PSFW- White" and "PREFORM PSFY- Yellow"

13.3M Preformed Thermoplastic, "PREFORM PSFW- White" and "PREFORM PSFY- Yellow"

\*For Contractor's use only

#### **4. CLASS 1 DELINEATORS**

##### **One Piece Driveable Flexible Type, 66 inch**

Reauthorization: 09/30/2025

1. Pexco LLC, "Flexi Guide Models 400 and 566"
2. Carsonite, Curve-Flex CFRM-400
3. Carsonite, Roadmarker CRM 375
4. FlexStake, Model 654 TM
5. GreenLine Model CGD1 66
6. Ridan Composites LLC, Del-Mark Post

##### **Special Use Type, 66 inch**

Reauthorization: 09/30/2025

1. Pexco LLC, Model FG 560 (with U Channel base), FG 300 UR (with 2- inch square anchor)
2. Carsonite, "Survivor" (with 18-inch U Channel base)
3. Carsonite, Roadmarker CRM 375 (with 18-inch U Channel base)
4. FlexStake, Model 604
5. GreenLine Model CGD (with 18-inch U Channel base)
6. Impact Recovery Model D36, with #105 Driveable Base
7. Valtir Safe-Hit with 8-inch pavement anchor (SH248 GP1)
8. Valtir Safe-Hit with 15-inch soil anchor (SH248 GP2) and with 18-inch soil anchor (SH248 GP3)
9. Valtir Safe-Hit RT 360 Post with Soil Mount Anchor (GPS)
10. Valtir Safe-Hit SQR-LOC, SH248SQR-12
11. Shur-Tite Products, Shur-Flex Drivable
12. Three D Traffic Works, Earthflex TD5500
13. PEXCO,LLC/ Davidson Traffic Control Products, FTGM Series (FTGM48W- White, FTGM48Y- Yellow and FTGM48O- Orange)

##### **Surface Mount Type, 48 inch**

Reauthorization: 09/30/2025

1. Bent Manufacturing Company, Masterflex Model MFEX 180-48
2. Carsonite, "Channelizer"
3. FlexStake, Models 704, 754 TM, and 154 Flat Top
4. Impact Recovery Model D48, with #101 Fixed (Surface Mount) Base
5. Three D Traffic Works "Boomerang" TD 5200

6. Flexible Marker Support, Flexistiff Model C-9484
7. Valtir Safe-Hit, SH 248 SMR
8. Pexco LLC, Model FTSM 48
9. Hi-way Safety, Inc, Model CFUR48
10. Shur-Tite Products, Shur-Flex
11. Pexco LLC, Flexi-Guide Models FG348PE, FG348UR and FG348EFX

## 5. CHANNELIZERS

### Surface Mount Type, 36 inch

Reauthorization: 10/31/2025

1. Bent Manufacturing Company, Masterflex Models MF 360 36 (Round) MF 180 36 (Flat) and MFEX 180—36
2. Pexco LLC, Flexi Guide Models FG336PE, FG336UR and FG336EFX
3. Carsonite, "Super Duck" (Round SDR 336)
4. Carsonite, Model SDCF03601MB "Channelizer"
5. FlexStake, Models 703, 753 TM, and 153 Flat Top
6. GreenLine, Model SMD 36
7. Hi way Safety, Inc. "Channel Guide Channelizer" Model CGC36, CFUR36
8. Impact Recovery Model D36, with #101 Fixed (Surface Mount) Base
9. Impact Recovery Systems, OmegaPost High Speed Flexible Channelizer with BS-SMQT Base.
10. Valtir Safe-Hit, Guidepost, Model SH236SMA and Dura-Post, Model SHL36SMA
11. Three D Traffic Works "Boomerang" 5200 Series
12. Flexible Marker Support, Flexistiff Model C-9484-36
13. Shur-Tite Products, Shur-Flex
14. Pexco LLC, Model FTSM36
15. Shur-Tite Products, U-Flex 36"

### High-Speed Flexible Surface Mount Type, 36 inch

Reauthorization: 10/31/2025

1. Pexco LLC, City Post EAC, City Post SM, and City Post GD
2. 36" or 42" Omega Post by Impact Recovery systems with matching cap and reflective sheeting bands (per project requirements)

### Lane Separation System

Reauthorization: 10/31/25

1. Pexco LLC, "Flexi Guide (FG) 300 Curb System"
2. Qwick Kurb, "Klemmfix Guide System"
3. Dura-Curb System
4. Tuff Curb

5. FG 300 Turnpike Curb
6. Shur-Tite Products, SHUR-Curb, Model No. SF0200
7. Tuff Curb XLP

## **6. OBJECT MARKERS**

### **Type "K", 18 inch**

Reauthorization: 12/31/2025

1. Pexco LLC, Model FG318PE
2. Carsonite, Model SMD 615
3. FlexStake, Model 701 KM
4. Valtir Safe-Hit, Model SH718SMA
5. Impact Recovery Systems, Model 282-K
6. Hi-way Safety, Inc, Model CFURK
7. Shur-Tite Products, Shur-Flex Driveable

### **Type "Q" Object Markers, 24 inch**

Reauthorization: 12/31/2025

1. Bent Manufacturing "Masterflex" Model MF 360 24
2. Pexco LLC, Model FG324PE
3. Carsonite, "Channelizer"
4. FlexStake, Model 701KM
5. Valtir Safe-Hit, Models SH824SMA\_WA and SH824GP3\_WA
6. Three D Traffic Works ID No. 531702W and TD 5200
7. Three D Traffic Works ID No. 520896W
8. Valtir Safe-Hit, Dura-Post SHLQ-24"
9. Flexible Marker Support, IMC 9484-24
10. Impact Recovery Systems, Model 282 -Q
11. Hi-way Safety, Inc, Model CFURQ

## **7. MARKERS FOR CONCRETE BARRIER AND GUARD RAIL**

### **Impactable Type**

Reauthorization: 01/31/2025

1. ARTUK, "FB"
2. Pexco LLC, Models PCBM 12, PCBM T12, PCBM 912, Hi Viz Flex Tab, PCBM L-16, PCBM 36, PCBM 15 and PCBM 915
3. Duraflex Corp., "Flexx 2020" and "Electriflexx"
4. Hi Way Safety, Inc., Model GMKRM100
5. Plastic Safety Systems "BAM" Models OM BARR and OM BWAR
6. Three D Traffic Works "Roadguide" Model TD 9300

7. Retroflex, RF3N1

**Non Impactable Type**

Reauthorization: 01/31/2025

1. ARTUK, JD Series
2. Plastic Safety Systems "BAM" Models OM BITARW and OM BITARA
3. Vega Molded Products, Models GBM and JD
4. Plastic Vacuum Forming, "Cap It C400"
5. Irwin Hodson Co., Barrier Traffic Reflector and A Shape HTR

**8. DELINEATORS FOR CONCRETE BARRIER AND GUARD RAIL**

**METAL BEAM GUARD RAIL POST MARKERS (For use to the left of traffic)**

Reauthorization: 02/28/2025

1. Pexco LLC, "Mini" (3" x 10"), I-Flex
2. Creative Building Products, "Dura Bull, Model 11201"
3. Duraflex Corp., "Railrider"
4. Plastic Vacuum Forming, "Cap It C300"
5. Irwin Hodson Co., Barrier Traffic Reflector

**CONCRETE BARRIER DELINEATORS, 16 inch (For use to the right of traffic)**

Reauthorization: 02/28/2025

1. Pexco LLC, Model PCBM T 16
2. Valtir Safe-Hit, Model SH216RBM
3. Three D Traffic Works "Roadguide" Model 9400

**GUARD RAILING DELINEATOR (Place top of reflective element at 48 inches above plane of roadway) Wood Post Type, 27 inch**

Reauthorization: 02/28/2025

1. Pexco LLC, FG 427 and FG 527
2. Carsonite, Model 427
3. FlexStake, Model 102 GR
4. GreenLine GRD 27
5. Valtir Safe-Hit, Model SH227GRD
6. Three D Traffic Works "Guardflex" TD9100
7. Pexco LLC, NDM27
8. Shur-Tite Products, Shur-Tite Flat Mount
9. Glasforms, Hiway-Flex, GR-27-00
10. Impact Recovery Systems, 200-GRP

### **Barrier for Guardrail Visibility Enhancement**

Reauthorization: 02/28/2025

1. UltraGuard Safety System, Potters Industries, Inc.
2. Worldwide Safety and Irwin Hodson, Monarch Butterfly Reflective Device (MBG only)
3. 3M, Linear Delineation System, Series 340
4. Pexco LLC, Butterfly-Style Glue-on (MGB only)

### **Steel Post Type**

Reauthorization: 02/28/2025

1. N/A

## **9. RETROREFLECTIVE SHEETING – CHANNELIZERS**

### **Channelizers, Barrier Markers, Delineators, Cone Sleeves, and drums**

Reauthorization: 03/31/2026

1. Avery Dennison T 6500 Series, (For rigid substrate devices only)
2. Avery Dennison WR 7100, WR 7100M Series and WR 6100 Series
3. Nippon Carbide Industries, Flexible Ultralite Grade (ULG) II
4. Orafol, AC 1000 Acrylic
5. Orafol, AP 1000 Metalized Polyester
6. Orafol, Conformalight, AR 1000 Abrasion Resistant Coating
7. 3M, High Intensity, Series 3310, Series 3910 and 3914
8. Avery Dennison WC-4100 Series
9. Oralite Super Bright Reboundable Sheeting 5934 Series (5934-010 White, 5934-035 Orange, 5934-V35 White/Orange Barricade and 5934-V30 White/Red Barricade)
10. Oralite Marathon Reboundable Sheeting 5935 Series (5935-010 White and 5935-038 Fluorescent Orange)

## **10. RETROREFLECTIVE SHEETING – SIGNS**

### **Type VIII (Typically Unmetallized Microprismatic Element)**

Reauthorization: 03/31/2026

1. Avery Dennison, T 7500 Series
2. Avery Dennison, T 7511 Fluorescent Yellow
3. Avery Dennison, T 7513 Fluorescent Yellow Green
4. Avery Dennison, W 7514 Fluorescent Orange
5. Nippon Carbide Industries, Nikkalite Crystal Grade Series 92800
6. Nippon Carbide Industries, Nikkalite Crystal Grade Model 92847 Fluorescent Orange

7. Nippon Carbide Industries, Nikkalite Crystal Grade Model 92844  
Fluorescent Yellow/Green
8. 3M Series 3940
9. 3M Series 3924S Fluorescent Orange
10. 3M Series 3921 Fluorescent Yellow
11. 3M Series 3923 Fluorescent Yellow Green

**Type IX (Typically Unmetallized Microprismatic Element)**

Reauthorization: 03/31/2026

1. 3M VIP Series 3981 Diamond Grade Fluorescent Yellow
2. 3M VIP Series 3983 Diamond Grade Fluorescent Yellow/Green
3. 3M VIP Series 3990 Diamond Grade
4. Avery Dennison T 9500 Series
5. Avery Dennison, T9513, Fluorescent Yellow Green
6. Avery Dennison, W9514, Fluorescent Orange
7. Avery Dennison, T-9511 Fluorescent Yellow
8. Orafol, Oralite 5930, Fluorescent Orange
9. Orafol, Oralite 7900 Series

**Type XI (Typically Unmetallized Microprismatic Element)**

Reauthorization: 03/31/2026

1. 3M Diamond Grade, DG3, Series 4000
2. 3M Diamond Grade, DG3, Series 4081, Fluorescent Yellow
3. 3M Diamond Grade, DG3, Series 4083, Fluorescent Yellow/Green
4. 3M Diamond Grade, DG3, Series 4084, Fluorescent Orange
5. Avery Dennison, OmniCube, T-11500 Series
6. Avery Dennison, OmniCube, T-11511, Fluorescent Yellow
7. Avery Dennison, OmniCube, T-11513, Fluorescent Yellow Green
8. Avery Dennison, OmniCube, W-11514 Fluorescent Orange
9. Orafol, Oralite 9900 Series, Brilliant Grade Premium

**11. ALTERNATIVE SIGN SUBSTRATES**

**Fiberglass Reinforced Plastic (FRP) and Expanded Foam PVC**

Reauthorization: 04/30/2026

1. Fiber Brite (FRP)
2. Sequentia, "Polypate" (FRP)
3. Inteplast Group "InteCel" (0.5 inch for Post Mounted CZ Signs, 48 inch or less) (PVC)
4. EcoStrate Sign, Model Traffic 025



**Aluminum Composite, Temporary Construction Signs and Permanent Signs up to 4 foot, 7 Inches**

Reauthorization: 04/30/2026

1. Alcan Composites "Dibond Material, 80 mils"
2. Mitsubishi Chemical America, Alpolic 350
3. Bone Safety Signs, Bone Light ACM (temporary construction signs only)
4. Kommerling, USA, KomAlu 3 mm

**12. PORTABLE TRANSVERSE RUMBLE STRIPS**

**Portable Transverse Rumble Strips**

Reauthorization: 12/05/2026

1. Plastic Safety Systems, Inc, Models RoadQuake 2, RoadQuake 2F
2. TrafFix Devices, Inc, Model Alert High Speed Rumble Strips
3. Eco-Flex, Inc, Model Portable Rumble Strips