

CALIFORNIA DEPARTMENT OF TRANSPORTATION AUTHORIZED MATERIAL LIST (AML) SIGNING AND DELINEATION MATERIALS

Last edit date: 07/16/2020

1. PAVEMENT MARKERS

Retroreflective with Abrasion Resistant Surface (ARS)

(length x width)

Reauthorization: 06/30/2023

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")
5. 3M Series 290 PSA
6. Glowlite, Inc Model 988AR (4" x 4")

Retroreflective with Abrasion Resistant Surface (ARS)

(for recessed applications only)

Reauthorization: 06/30/2023

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: 07/31/2023

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: 07/31/2023

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: 08/31/2023

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

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

Reauthorization: 08/31/2023

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"
(Black Tape: for use only on Hot mix asphalt surfaces)
9. Brite Line "BTR" Black Removable Tape
(Black Tape: for use only on Hot mix asphalt surfaces)
10. Trelleborg Industries, RB 140
(Black Tape: for use only on Hot mix asphalt surfaces)

Preformed Thermoplastic (Heated in place)

Reauthorization: 08/31/2023

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 Technology, "Tuff-Mark"*
10. Ennis-Flint, "PreMark XF White"*
11. Ennis-Flint, "PreMark XF Yellow"*

*For Contractor's use only

Ceramic Surfacing Laminate, 6" x 6"

Reauthorization: 08/31/2023

1. Highway Ceramics, Inc.

4. CLASS 1 DELINEATORS

One Piece Driveable Flexible Type, 66 inch

Reauthorization: 09/30/2023

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: 09/30/2023

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. Safe Hit with 8 inch pavement anchor (SH248 GP1)
8. Safe Hit with 15 inch soil anchor (SH248 GP2) and with 18 inch soil anchor (SH248 GP3)
9. Safe-Hit RT 360 Post with Soil Mount Anchor (GPS)
10. Safe-Hit SQR-LOC, SH248SQR-12
11. Shur-Tite Products, Shur-Flex Drivable
12. Three D Traffic Works, Earthflex TD5500

Surface Mount Type, 48 inch

Reauthorization: 09/30/2023

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. 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: 10/31/2023

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, City Post EAC, City Post SM and City Post GD
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. Safe Hit, Guide Post, 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

Lane Separation System

Reauthorization: 10/31/2023

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: 12/31/2023

1. Pexco LLC, Model FG318PE
2. Carsonite, Model SMD 615
3. FlexStake, Model 701 KM
4. 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: 12/31/2023

1. Bent Manufacturing "Masterflex" Model MF 360 24
2. Pexco LLC, Model FG324PE
3. Carsonite, "Channelizer"
4. FlexStake, Model 701KM
5. 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. 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: 01/31/2024

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: 01/31/2024

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: 02/28/2024

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: 02/28/2024

1. Pexco LLC, Model PCBM T 16
2. 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: 02/28/2024

1. Pexco LLC, FG 427 and FG 527
2. Carsonite, Model 427
3. FlexStake, Model 102 GR
4. GreenLine GRD 27
5. 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: 02/28/2024

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: 02/28/2024

1. Carsonite, Model CFGR 327

9. RETROREFLECTIVE SHEETING – CHANNELIZERS

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

Reauthorization: 03/31/2024

1. Avery Dennison T 6500 Series, (For rigid substrate devices only)
2. Avery Dennison WR 7100 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. RETROREFLECTIVE SHEETING – VERTICAL CLEARANCE SIGNS

Vertical Clearance Signs: Structure Mounted

Reauthorization: 03/31/2024

1. 3M Model 4081, Diamond Grade DG3, Fluorescent Yellow

11. RETROREFLECTIVE SHEETING – SIGNS

Type VIII (Typically Unmetallized Microprismatic Element)

Reauthorization: 03/31/2024

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: 03/31/2024

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: 03/31/2024

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

12. ALTERNATIVE SIGN SUBSTRATES

Fiberglass Reinforced Plastic (FRP) and Expanded Foam PVC

Reauthorization: 04/30/2024

1. Fiber Brite (FRP)
2. Sequentia, "Polyplate" (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: 04/30/2024

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