



ARIZONA DEPARTMENT OF TRANSPORTATION TRAFFIC GROUP

March 20, 2002

TO: Signing and Marking Standard Drawings users
FROM: Mike Manthey, State Traffic Engineer
RE: New Signing and Marking Standard Drawings

Enclosed is complete set of the new Signing and Marking Standard Drawings.

Please copy and distribute to all users within your Group or District. This book will also be available through ADOT Engineering Records (602) 712- 7498. Questions regarding the Signing and Marking Standard Drawings may be directed to Muhannad Al Zubi at (602) 712-7601.

The following is a list of changes from the 1991 Signing and Marking Standard Drawing book:

M1 Replaces 4-M-1.02

Change Shalls to "shoulds" for maintenance (Shalls in drawings apply for constr. not maint.)

M2 Replaces 4-M-1.03

Sheet 1 Detail C should that be (0'-2') instead of (0' to 4')?

Different designers had different views. Remained the same.

Note 2: Design speed or Posted?

Posted Speed.

Refer to PGP 430 instead of memo dated 2-19-99

Done

Note 4: Delete "In urban Areas"

Curb radius apex minimum distance shown on diagram references Note 7

Changed to Note 6

Deleted Note 7

Sheet 2 Note 3:

Changed reference to Refer to PGP 430 instead of memo dated 2-18-99

Note 4: Deleted the reference to "Urban Areas"

Sheet 3 Changed the standard so that the geometric centerline is centered in the 6" space between double centerlines, or 3" from single broken yellow lines. As discussed in RTE meeting.

Effects M-19, sheets 6, 7 and 9 and M-21.

For reverse curve, refers to posted speed.

Note 2: "Solid double Yellow" for no-pass should be changed to "Solid Yellow"

M3 Replaces 4-M-1.07

Is the taper length (design speed x w) a minimum ? (roadway design standards)

Note 4: Changed “Mid-Way” to “Midway”.

Note 5: Changed reference “Project Engineer” to “Engineer”.

M4 Replaces 4-M-1.08

Changed the 8” edge line stripe in the upper diagram taper to 12”

Note 1: Changed to state that 2’ shoulders are desirable

Note 2: Deleted

At end lane taper, 500’ changed to 200’ as in PGP 410-4

M5 Replaces 4-M-1.11

M6 Replaces 4-M-1.12

M7 Replaces 4-M-1.13

M8 Replaces 4-M-1.14

M9 Replaces 4-M-1.15

M10 Replaces 4-M-1.16

M11 Replaces 4-M-1.18

Changed arrow spacing and number of arrows. Re-wrote notes.

M12 Replaces 4-M-1.23

Matched arrow distribution according to M11

M13 Replaces 4-M-1.24

M14 Replaces 4-M-1.25

Removed reference to pavement markers on mainline

M15 Replaces 4-M-1.26

Removed reference “on structure” from table.

M16 Replaces 4-M-1.27

M17 Replaces 4-M-1.28

Changed 8” to 12”

M18 Replaces 4-M-2.01

Re-numbered notes

M19 Replaces 4-M-2.02

Sheet 1: Changed address on note 11

Sheet 4: Defined Rural and Urban on table

Sheets 6, 7, 8, 9: CL striping shift as in M2

M20 Replaces 4-M-2.05

M21 Replaces 4-M-2.10

L1 distance in table refers to Table II-1

Deleted Note 4

M22 Replaces 4-M-2.11:

Sheet 1: Groove depth changed to 3/8"

Sheet 2: "Typical Guardrail and /or Barrier" Shows rumble strip as on section A-A

Continuous longitudinal rumble strip is now optional on controlled access roads.

M23 Replaces 4-M-3.01

Sheet 1: Backing plate required for type 2

Sheet 2 :Deleted note 2 and 3

Note 10, changed "via s" to "with a"

M24 Replaces 4-M-3.02

M25 Replaces 4-M-4.01

M26 sheet 1 Replaces 4-M-4.02

M26 sheet 2 Replaces 4-M4.03

M27 Replaces 4-M-4.05

M 28 New

M29 Replaces 4-M-6.01

M30 Replaces 4-M-6.02

M31 Replaces 4-M-9.01

M32 Replaces 4-M-10.01

M33 Replaces 4-M-10.02

M34 Replaces 4-M-10.04

M35 Replaces 4-M-3.03

S1 sheet 1 New

S1 sheet 2 Replaces 4-S-4.16

Define “Weak Soils” (as in report NCHRP 350)

S1 sheet 3 New

S1 sheet 4 Replaces 4-S-4.18

S2 Replaces 4-S-4.17

S3 sheet 1 Replaces 4-S-4.01

S3 sheet 2 Replaces 4-S-4.13
Shows cut condition

S3 sheet 3 Replaces 4-S-4.14

S3 sheet 4 Replaces 4-S-4.15

S4 Replaces 4-S-4.03

S5 Replaces 4-S-4.04

S6 Replaces 4-S-4.05

S7 Replaces 4-S-4.07

S8 sheet 1 Replaces 4-S-3.01

S8 sheet 2 Replaces 4.S-3.01.1

S8 sheet 3 New

S8 sheet 4 New

S9 sheet 1 Replaces 4-S-4.10

S9 sheet 2 New

S9 sheet 3 Replaces 4-S-4.11

S10 sheet 1 Replaces 4-S-4.19

S10 sheet 2 Replaces 4-S-4.19.1

S11 Replaces 4-S-5.0

C1 Replaces 4-C-1.01

C2 Replaces 4-C-1.02

C3 Replaces 4-C-2.01

Shows new NCHRP 350 approved design and old ADOT design

C4 Replaces 4-C-32.02

The 4-S-1.01 through 4-S-1.16 drawings have been deleted and inserted for reference in the Traffic Engineering Policies, Guidelines, and Procedures manual, under section 1098.

The 4-S-2.01 through 4-S-2.25, and 4-S3.03, 4-C-1.03, 4-M-2.06, 4-M2.07 and the 2-S-5 series drawings have been deleted.