MARICOPA COUNTY

SUPPLEMENT

TO THE

MAG STANDARD DETAILS

UPDATED 10-11-2018

Maricopa County
Department of Transportation
2901 W. Durango Street
Phoenix, AZ 85009

Maricopa County Standard Details

Restricted MAG Details – Not for general use in MCDOT Right-of-Way.

225 INTERLOCKING CONCRETE PAVERS – Concrete pavers are not allowed within roadway pavement areas subject to vehicle traffic. They may be used for driveways or within raised medians.

236-5 25'-35' R - RADIAL PARALLEL CURB RAMP – Not allowed except for retrofit purposes; use requires special approval from MCDOT.

237-1, 237-2, and 237-3 DUAL CURB RAMP (DIRECTIONAL – various radii) – Use MCDOT Radial curb ramp details.

238-3 PARALLEL CURB RAMP – Parallel Curb Ramps are not allowed except for retrofit purposes, use requires special approval from MCDOT.

251 RETURN TYPE DRIVEWAYS – Use is limited to industrial and commercial driveways, not to be used for residential driveways.

Number	Description
2010-1	Residential Speed Hump Without Curb and Gutter
2010-2	Residential Speed Hump With Curb and Gutter
2010-3	Speed Hump Extension
2011	Residential Speed Cushion without Curb and Gutter
2013	Milling for Overlay
2022	Retrofit 20' Return w/Dual Combination Curb Ramps
2023	Retrofit 20'-25' Return w/ Single Combination Curb Ramp
2024	Single Curb Ramp Mid-Block Residential Street w/ 4" Roll Curb.
2030-A	Sidewalk Ramp Retrofit – Method A
2030-C	DELETED Replaced by MAG Detail 238-3 Parallel Curb Ramp
2031	Radial Curb Ramps for 30' & 35' Curb Returns (2 pages)
2032	Radial Curb Ramps for Residential Intersections
2033	Single Radial Curb Ramp at Sidewalk Transition
2035	DELETED: – Replaced by MAG Detail 251, see above restrictions.
2036	Return Type Driveways with Attached Sidewalk
2054	Street Name Sign Layout and Installation Details (4 pages)
2055	Barricade (Portable)
2057	Permanent Road Closure Using Type III Barricades (4 pages)
2058	Square Perforated Tube Sign Post Foundation & Splice Details
2059	U-Channel Post Selection and Installation Details
2060	Offsets, Clearances and Mounting Details for Signs on County Roadways (2 pages)
2061	Sign Blanks – Layouts (23 pages)
2062	Street Sign – Post Caps and Brackets (6 pages)
2066	Mailbox Installation
2067	Mailbox Installation Hardware
2069	Recommended Mailbox Clearances at Intersections
2070	Typical Mailbox Turnout

Number	Description
2801	W-Beam Guard Rail G4(1W) and G4 (2W) Blocked Out Timber Post
2802	28” High Strong Post W-Beam Guardrail Installation
2803	W-Beam Guardrail G4 (1S) Blocked Out Steel Post
2805	Guardrail: Tangent W-Beam Terminal Layout with Curb and Gutter
2806	Guardrail: Tangent W-Beam Terminal Layout without Curb and Gutter
2807	Departure End Terminal
2808-1	Nested Guardrail Type 1
2808-2	Nested Guardrail Type 2
2808-3	Nested Guardrail Type 3
2812-1	Thrie Beam Guardrail Transition
2812-2	Bridge Barrier Transition
2812-3	Barrier Details
2816	28” High Strong Post W-Beam Guardrail Measurement
3004	Guardrail Post Installation for Concrete Paved Areas
3009	Guardrail Transition 31” to 28”
3010	Bolted Guardrail Anchors (2 pages)
3016	Guardrail Measurement REVISED To Detail Number 2816 & 3116
3100	Wood BCT & CRT Posts, Foundation Tube
3101	Midwest Guardrail System Blocked out Timber Post
3102	MGS Guardrail Installation 10/11/18
3103	MGS Blocked Out Steel Post
3105	MGS Tangential Terminal Layout with Curb & Gutter
3106	MGS Tangent W-Beam Terminal Layout without Curb & Gutter
3107	MSG Guardrail – End Terminal Layout
3108	MGS Long-Span
3116	31” Midwest Guardrail System Guardrail Measurement
4701	Traffic Signal Symbols (2 pages)
4711	Traffic Signal Pull Box Detail
4712	Traffic Signal Pull Box Extension
4713	Typical Traffic Signal Pull Box Installation
4716	Typical Traffic Signal Pull Box and Conduit Run Layout
4717	ITS Interconnect Conduit and Pull Box Layout
4720	Signal Pole Foundation (Pole Types A, E, F & PB)
4721	Signal Pole Foundations (Pole Types J, Q, K & R)
4723	'P' Cabinet Foundation
4724	Combination Service Pedestal and Battery Backup Foundation Detail
4725	Anchor Bolt with Hook
4726	Anchor Bolt with Plate
4730	'P' Cabinet
4731-1	'SP' Electrical Service Pedestal & ‘BBS’ Battery Backup System Cabinet
4731-2	Service Pedestal and Battery Backup Wiring Schematic

Number	Description
4735	Controller Cabinet Wiring Schematic
4737	Luminaire Circuit
4738	Type 'A' Pole
4739-1	Pole Lower Hand Hole Details
4739-2	Pole Upper Hand Hole Detail
4740	Type 'E' Pole
4741-1	Type 'F' Pole
4741-2	‘E’ & ‘F’ Pole Details
4742	Type 'J' Pole
4743	Type 'Q' Pole
4744	‘J’ & ‘Q’ Pole Details
4748	Type 'K' Pole
4749-1	Type 'R' Pole
4749-2	‘K’ & ‘R’ Pole Details
4750	Type ‘PB’ Pole
4755	Video Detection Camera Installation
4757	Loop Installation Details
4758	Conduit Stub-Out Detail Without Curb & Gutter
4759	Conduit Stub-Out Detail With Curb & Gutter
4773	Standard Signal Faces
4774	Signal Head Visor
4775	Side Mount (Type XI) Assembly (Vehicle & Pedestrian)
4778-1	Mast Arm Signal Head Mount (Type II)
4778-2	Elevator Plumbizer Detail
4780-1	Metro Street Sign Layout Sheet Installation on Signal Poles
4780-2	Metro Street Sign Layout and Installation on Traffic Signal Poles
4780-3	Metro Street Sign Clamp
4780-4	Metro Street Name Sign Mounted on Type “J” or “K” Signal Poles
4780-5	Oversized Metro Street Name Sign Mounting to Signal Pole Details
4785	Pole Plate
4788	Elbow
4789	Tee
4791	Ornamental Cap
4792	Side Mounted Terminal Compartment
4793	Terminal Compartment Cover
4794	Type V Mounting Assembly
4795	Type VII Mounting Assembly
4797-1	Type PB Pedestrian Push-Button Mount
4797-2	Pedestrian Push-Button Housing
4797-3	Pedestrian Push-Button Adapter Plate
4797-4	Audible Pedestrian Push Button Station
4798	Underground Combination Power Service / Battery Backup System Layout
4799-1	Color Code - 2, 4 and 7 Conductor Cable
4799-2	Color Code - 20 Conductor Cable

Number	Description
4801	Typical ITS PVC Conduit Installation
4805-1	ITS Fiber Optic Pull Box Type A
4805-2	ITS Fiber Optic Pull Box Type B
4805-3	ITS Fiber Optic Pull Box Type C
4805-4	ITS Fiber Optic Pull Box Type D
4806-1	ITS Fiber Optic Pull Box Type E
4806-2	ITS Fiber Optic Type E Pull Box Cover Assembly
4810	ITS Conduit and ITS Type A Pull Box Installation
4811	ITS Conduit and Type B, C, D & E Pull Box Installation
4821	Fiber Optic Cable Installed in Type B, C, D & E Pull Box
4825-1	ITS Pedestal Post Top Mounting (G-1)
4825-2	ITS Square Base ('SB') Pole Foundation Detail
4825-3	ITS Square Base 'SB' Pedestal
4825-4	ITS Type 'SB' Pole
4825-5	ITS Pedestal Pole Top Mounting Adapter
4825-6	ITS Type 'G' Cabinet
4827	ITS Post Side Mount (G-2)
4829-1	Service Pedestal
4829-2	Service Pedestal Foundation
4829-3	Service Pedestal Wiring Schematic
4830	CCTV Camera Installation on Signal Pole
4831-1	ITS CCTV Camera Panel Location
4831-2	ITS CCTV Camera Panel Details
4831-3	CCTV Camera Wiring Schematic
4833	Multiservice Radio Installation on Signal Pole
4835	4"X4" Post with Conduit for T1 Demarcation Point