

Oregon Standard Drawings

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| RD105 | Disabled Person Parking | See TM500 |
| RD200 | Roadway Cross Slopes Superelevated Sections | See RD140 |
| RD205 | Entrance Ramp Details | See Highway Design Manual |
| RD210 | Exit Ramp Details | See Highway Design Manual |
| RD215 | Channelization and Intersection Details | See Highway Design Manual |
| RD220 | Channelization and Intersection Details | See Highway Design Manual |
| RD225 | Right Turn Channelization | See Highway Design Manual |
| RD230 | Slope Rounding | See RD150 |
| RD314 | Open Grade HMAC Drainage Details | Open Graded Mix No Longer Used |
| RD337 | Manhole Safety Ladder | Deleted Due to Lack of Non-Proprietary Safety Equipment |
| RD425 | Non Energy-Absorbing Terminal 3' or 4' Flare | See Detail DET1425 |
| RD430 | Guardrail Installation Wide Flare Terminal (Embankment) | Deleted Out of Date |
| RD441 | 31" Guardrail Installation at Bridge Ends | See RD442 |
| RD455 | Guardrail Anchors (Concrete) | Deleted Lack of Use |
| RD460 | Metal Median Barrier End Treatment | Deleted Due To Standards Change |
| RD465 | Guardrail Mound Terminal | Deleted Due To Standards Change |
| RD480 | 31" Guardrail and Metal Median Barrier | See RD401, RD402, RD407, RD408, and RD412 |
| RD525 | Concrete Barrier Mound Terminal | See RD526 |
| RD540 | Cast-In-Place Concrete Barrier to Curb Transition | See Details DET1543 |
| RD565 | Tall Concrete Barrier Mound Terminal | See RD566 |
| RD566 | Tall Concrete Barrier Buried In Backslope | See Details DET1546 |
| RD580 | Cast-In-Place Tall Concrete Barrier to Curb Transition | See Details DET1549 |
| RD600 | Portland Cement Concrete Pavement | See Details DET1600 thru DET1606 inclusive |
| RD605 | Continuously Reinforced Concrete Pavement | See Details DET1605 |
| RD752 | Pay Limit For Retrofit Sidewalk Ramp Replacement Options Small Radii | Deleted Due To Standards Change |
| RD753 | Pay Limit For Retrofit Sidewalk Ramp Replacement Options Large Radii | Deleted Due To Standards Change |
| RD754 | Curb Ramp and Turning Space (For Ends of Sidewalk) | See RD900s |
| RD755 | Curb Ramp Details | See RD900s |
| RD756 | Curb Ramp Placement Options Small Radii | See RD900s |
| RD757 | Curb Ramp Placement Options Large Radii | See RD900s |
| RD758 | Detectable Warning Surface Details & Placement Locations | See RD900s |
| RD759 | Detectable Warning Surface Details & Placement Locations | See RD900s |
| RD760 | Sidewalk Ramp Placement | See RD756 and RD757 |
| RD800 | Traffic Delineators | See TM570 |
| RD805 | Traffic Delineators Installation | See TM575 |
| RD900 | Traffic Control Plans Details | See TM700 |
| RD905 | Traffic Control Plans Intersection Details | See TM705 |

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| RD906 | Traffic Control Plans Signalized Intersection Details | See TM765 |
| RD907 | Traffic Control Plans Multi-Line Signalized Intersection Details | See TM770 |
| RD908 | Traffic Control Plans Closure Detail | See TM780 |
| RD910 | Traffic Control Plans 2-Lane, 2-Way & 3 Lane, 2 Way Roadways | See TM710 |
| RD911 | Traffic Control Plans Temporary Sign Supports | See TM775 |
| RD915 | Traffic Control Plans Non-Freeway Multi-Lane Sections | See TM715 |
| RD920 | Traffic Control Plans Freeway Sections | See TM720 |
| RD925 | Traffic Control Plans Freeway Sections | See TM725 |
| RD930 | Traffic Control Plans Freeway Sections | See TM730 |
| RD935 | Traffic Control Plans Bridge Construction | See TM735 |
| RD940 | Traffic Plans Blasting Zones | See TM740 |
| RD945 | Traffic Control Plans Details | See TM745 |
| RD950 | Barricades | See TM750 |
| RD955 | Temporary Impact Attenuators | See TM755 |
| RD960 | Temporary Impact Attenuators | See TM760 |
| RD1020 | Inlet Protection Type 5 Masonry/Aggregate | Deleted Out of Date |
| RD1025 | Sediment Barrier Type 1 | Deleted Out of Date |
| RD1035 | Sediment Barrier Type 3 | Deleted Out of Date |
| | | |
| BR120 | Standard Deck Drains | See Details DET3120 |
| BR125 | General Details Post-Tensioning | See Details DET3125 |
| BR130 | Post-Tensioning Details for Conventional Box Girders | See Details DET3130 |
| BR131 | General Details Post-Tensioning Trapezoidal Boxes | See Details DET3131 |
| BR132 | Post-Tensioning Details for Trapezoidal Boxes | See Details DET3132 |
| BR134 | Trapezoid Box Design and Bar Splice Details | See Details DET3134 |
| BR150 | Double Strip Seal Expansion Joint | See Details DET3150 |
| BR155 | Bridge Joint Details (Joints A through F) | See BR157 |
| BR156 | Bridge Joint Details (Joints G and H) | Deleted Due To Standards Change |
| BR170 | Standard Pile Trestle for Temporary Detour Bridges | Deleted Out of Date |
| BR280 | Type "F" Concrete Rail Replacement of Existing Parapet Rail | See Details DET3280 |
| BR283 | Type "F" Concrete Rail Retrofit of Existing Parapet Rail | See Details DET3283 |
| BR305 | Bulb-I Beam Schedule, Optional End Block, and Misc. Details | See Details DET3305 |
| BR315 | Bulb-T Beam Schedule, Optional End Block, and Misc. Details | See Details DET3315 |
| BR320 | Design Sheet Bulb-T and Bulb-I Beams | See Details DET3320 |
| BR345 | Beam Schedule, Optional End Block, and Misc. Details | See Details DET3345 |
| BR360 | 36" Standard Deck Bulb-T Beam Details | See Details DET3360 |

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| | (Precast Prestressed Concrete Beams) | |
| BR365 | 45" Standard Deck Bulb-T Beam Details (Precast Prestressed Concrete Beams) | See Details DET3365 |
| BR370 | 54" Standard Deck Bulb-T Beam Details (Precast Prestressed Concrete Beams) | See Details DET3370 |
| BR276 | Rail Transition Details Flex Beam Rail To Three Tube Rail | See Details DET3276 |
| BR380 | Deck Bulb-T Beam Schedule, Diaphragm and Misc. Details | See Details DET3380 |
| BR286 | Retrofit For Steel Handrail With Sidewalk Rail Modification Details | See Details DET3286 |
| BR390 | General Details Post-Tensioning for Bulb-I Beams | See Details DET3390 |
| BR392 | Post-Tensioning and Beam-E Details for Bulb-I Beams | See Details DET3392 |
| BR394 | Post-Tensioning Bulb-I Beam Details (Precast Prestressed Concrete Beams) | See Details DET3394 |
| BR396 | Bulb-I Beam Schedule, Post-Tensioned End Block and Misc. Details | See Details DET3396 |
| BR398 | Bar Splice and Closer Pour Details for Post- Tensioning Bulb-I Girders | See Details DET3398 |
| BR450 | Precast Prestressed Concrete Slab Design Sheet | See Details DET3450 |
| BR455 | Standard Precast Pre-stressed Slab Schedule | See Details DET3455 |
| BR460 | Precast Prestressed Concrete Box Design Sheet | See Details DET3460 |
| BR465 | Standard Precast Pre-stressed Box Schedule | See Details DET3465 |
| BR600 | Simple Beam Schedule and General Details | See Details DET3600 |
| BR605 | Simple Beam General Details | See Details DET3605 |
| BR610 | Simple Beam General Details | See Details DET3610 |
| BR705 | Standard Retaining Wall Cast-In-Place Semi- Gravity Front Face Batter | See Details DET3705 |
| BR706 | Standard Retaining Wall Reinforcement Details Case I: Horiz. Backfill with 250 PSF Surcharge | See Details DET3706 |
| BR707 | Standard Retaining Wall Reinforcement Details Case II: 3H: 1V Inclined Backfill | See Details DET3707 |
| BR708 | Standard Retaining Wall Reinforcement Details Case III: 2H: 1V Inclined Backfill | See Details DET3708 |
| BR709 | Standard Retaining Wall Cast-In Place Semi- Gravity Joints and Details | See Details DET3709 |
| BR720 | Standard Gravity Retaining Wall Details | Drawing Out of Date |
| | | |
| TM100 | Temporary Wood Post Sizing Charts | See TM200 and TM670 |
| TM105 | Orange Flag Board Mounting Details | See TM204 |
| TM111 | Traffic Control Plan Self-Regulating Diversion | Deleted – Should be project specific details |
| TM112 | Traffic Control Plan Self-Regulating Lane Closure | Deleted – Should be project specific details |

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| TM113 | Signing Details Short Term Lane Closure | Deleted – Should be project specific details |
| TM114 | Signing Details Short Term Lane Closure | Deleted – Should be project specific details |
| TM115 | Signing Details Short Term Lane Closure Single Head Alternate | Deleted – Should be project specific details |
| TM150 | Lane Drop Marking & Signing | Deleted – Should be project specific details |
| TM151 | Two-Lane Exit Lane Drop Marking & Signing | Deleted – Should be project specific details |
| TM205 | Aluminum Panels & Installation | See TM675 |
| TM207 | Additional Mounting Details | See TM677 and TM678 |
| TM214 | Wood Post Sizing Charts Doug Fir, Hemlock, P.O. Cedar | See TM670 |
| TM215 | Wood Post Sizing Charts Western Cedar | See TM670 |
| TM216 | Sign Installation Bridge Mount Details | Deleted – Should be project specific details |
| TM217 | Route Marker & Secondary Assemblies | See TM678 |
| TM218 | Secondary Signing Mounting Details | See TM678; Deleted Tube Extensions |
| TM219 | Steel Pole Mounted Sign Details | See TM680; Deleted Welded Sign Mounting Bracket |
| TM235 | Pipe Support Detail | See Details DET4235 |
| TM237 | Special Pipe Sign Support Detail | See Details DET4237 |
| TM239 | Square Tube Support | See TM681 |
| TM240 | Heavy Duty Square Tube Sign Support | See TM681, TM682, TM683, and TM684 |
| TM241 | Square Tube Sign Support With Triangular Base Breakaway | See Details DET4241 |
| TM250 | Truck Weigh Station Illum. Sign | See Details DET4250 |
| TM251 | Signing Details Truck Weigh Station Illum. Sign | See Details DET4250 |
| TM305 | Luminaire Installation on Wood Poles | See Details DET4300 |
| TM306 | Luminaire Installation on Wood Poles | See Details DET4310 |
| TM310 | Illumination Details | See Details DET4320 |
| TM400 | Temporary Signal Details | See TM450 through TM499 |
| TM401 | Temporary Signal Details | See TM450 through TM499 |
| TM402 | Strain Pole Details | See TM450 through TM499 |
| TM403 | Mast Arm Pole Details | See TM450 through TM499 |
| TM404 | Span Wire Details | See TM450 through TM499 |
| TM405 | Pole Foundations & Grounding | See TM450 through TM499 |
| TM406 | Vehicle Signal Details | See TM450 through TM499 |
| TM407 | Vehicle Signal Details | See TM450 through TM499 |
| TM408 | Vehicle Signal Details | See TM450 through TM499 |
| TM409 | Pedestrian Signals | See TM450 through TM499 |
| TM410 | Pedestrian Signals | See TM450 through TM499 |
| TM411 | Crosswalk Closure Details | See TM450 through TM499 |
| TM412 | Interior Illuminated Signs | See TM450 through TM499 |
| TM413 | Interior Illuminated Street Name Sign | See TM450 through TM499 |

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| TM415 | Mast Arm Mounted Warning Signs | See TM450 through TM499 |
| TM416 | Overhead Sign Details | See TM450 through TM499 |
| TM417 | Traffic Signal Junction Boxes | See TM450 through TM499 |
| TM418 | Traffic Signal Junction Boxes | See TM450 through TM499 |
| TM419 | Loop Details | See TM450 through TM499 |
| TM420 | Loop Details | See TM450 through TM499 |
| TM421 | Color Code Charts | See TM450 through TM499 |
| TM422 | Miscellaneous | See TM450 through TM499 |
| TM423 | Controller Cabinet & Related Details | See TM450 through TM499 |
| TM424 | Cabinets | See TM450 through TM499 |
| TM425 | Flasher Cabinets | See TM450 through TM499 |
| TM426 | Service Cabinets | See TM450 through TM499 |
| TM427 | Service Cabinets | See TM450 through TM499 |
| TM428 | Terminal Cabinets | See TM450 through TM499 |
| TM429 | Stabilizer Details | See TM450 through TM499 |
| TM430 | Microloops | See TM450 through TM499 |
| TM431 | Fiber Optic & LED PTR Signs Typical Details | See TM450 through TM499 |
| TM432 | Ramp Meter Pedestal Details | See TM450 through TM499 |
| TM433 | Ramp Meter Layout and Details | See TM450 through TM499 |
| TM434 | Maintenance Pad Detail | See TM450 through TM499 |
| TM435 | Interconnect | See TM450 through TM499 |
| TM453 | Stabilizer Details | See DET4418 |
| TM455 | Temporary Signal Pole Details | See TM453 and TM454 |
| TM458 | Pedestrian Ramp Placement Details | See Tech Bulletin TR16-01(B) |
| TM463 | Spanwire Mounting Details | See TM452 and TM456 |
| TM465 | Overhead Sign, Fire Preemption And Photoelectric Control Devices | See TM450, TM456, and TM462 |
| TM475 | Loop Details | See Standard Details |
| TM478 | Preformed Loop Details | See DET4435 |
| TM480 | Loop Entrance Details | See DET4434 and TM475 |
| TM488 | Terminal Cabinet Details | See Standard Details and TM454 |
| TM490 | Crosswalk Closure Detail | See TM240 |
| TM495 | LED PTR Signs and Details | See "Blue Sheets" |
| TM497 | Ramp Meter Layout and Details | See TM492 & Traffic Signal Design Manual |
| TM498 | Interconnect Wiring Details | See DET4407 |
| TM499 | Maintenance Pad Details | See RD160 |
| TM510 | Bike Lane Stencil Installation | See New TM530 |
| TM511 | Intersection Pavement Markings -Designated Bike Lane | See New TM530 |
| TM522 | Durable Pavement Markings Method 'C' Protected Inlaid | See TM521 |
| TM523 | Durable Pavement Markings Method 'D' Wet Weather Profiled & Non-Profiled | See TM521 |
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| TM526 | Freeway, Higher Speed Pavement Markings | See TM525 |
| TM527 | Intersection Pavement Markings | See New TM530 |
| TM530 | Urban Intersection Pavement Markings | OLD TM530 Deleted |
| TM531 | Urban Street Pavement Markings | See TM502 |
| TM533 | Pavement Markings for Speed Humps | See TM503 |
| TM535 | Standard Crosswalk Markings | See New TM530 |
| TM537 | Channelized Intersection Pavement Markings | Deleted - See Traffic Line Manual |
| TM545 | Two-Way Left Turn Lane Pavement Markings | Deleted - See Traffic Line Manual and TM525 |
| TM549 | Freeway & Expressway Raised Pavement Markers | See TM502 and TM515 |
| TM555 | No Passing Zone Pavement Markings | Deleted Due To Standard Change |
| TM556 | Lane Reduction, Bus Pavement Markings | Deleted - See Traffic Line Manual |
| TM560 | Highway Obstruction Pavement Markings | Deleted - See Traffic Line Manual |
| TM565 | Rural Hwy, Raised Pavement Markings | See TM502 and TM515 |
| TM603 | Multi-Post Breakaway Sign Supports (Design Sheet) | Deleted – Design Spread Sheet is used |
| TM604 | Triangular Base Breakaway Sign Support (Design Sheet) | Deleted – Design Spread Sheet is used |
| TM605 | 90° Rotational Sign Support (Details) | See DET4600 |
| TM631 | Traffic Signal Supports (Details & Design Criteria) | See TM650, TM651, TM652, TM653, TM660, and TM661 |
| TM632 | Traffic Signal Supports (Requirement) | See TM650, TM651, TM652, TM653, TM660, and TM661 |
| TM633 | High Mast Luminaire Support (Notes & Pole Details) | Deleted – Should be project specific details |
| TM634 | High Mast Luminaire Support (Foundation Details) | Deleted – Should be project specific details |
| TM636 | Bracket Arm and Conduit Installation on Timber Poles | See Details DET4300 and DET4310 |
| TM637 | Weigh Station Bypass System Rotating Pole General Design and Design Criteria | Deleted Due To Standard Change |
| TM638 | Weigh Station System Rotating Pole General Details | Deleted Due To Standard Change |
| TM639 | Weigh Station Bypass System Rotating Pole Outer Pivoting Arm Housing & Details | Deleted Due To Standard Change |
| TM640 | Weigh Station Bypass System Rotating Pole Total Rotating Pole Assembly and Total Pivoting Arm Housing & Details | Deleted Due To Standard Change |
| TM660 | Traffic Strain Pole Supports General Details & Design Criteria | Deleted Due To Standards Change |
| TM661 | Traffic Strain Pole Supports Notes, Reactions, And Details | Deleted Due To Standards Change |
| TM682 | 85 MPH Square Tube Sign Support Sizing Chart | Deleted Due To Lack of Use; See TM681 For x*y*z Table |

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| TM683 | 95 MPH Square Tube Sign Support Sizing Chart | Deleted Due To Lack of Use; See TM681 For x*y*z Table |
| TM684 | 100 MPH Square Tube Sign Support Sizing Chart | Deleted Due To Lack of Use; See TM681 For x*y*z Table |
| TM685 | 110 MPH Square Tube Sign Support Sizing Chart | Deleted Due To Lack of Use; See TM681 For x*y*z Table |
| TM700 | Tables, Abrupt Edge, and PCMS Details | See TM800 |
| TM705 | Intersection Workzone Details | See TM841 |
| TM710 | 2 Lane, 2 Way Roadways | See TM850 |
| TM715 | Non-Freeway Multi-Lane Sections | See TM851 |
| TM717 | Non-Freeway Multi-Lane Sections | See TM852 |
| TM720 | Freeway Sections | See TM860 |
| TM725 | Freeway Sections | See TM861 |
| TM730 | Traffic Control Plans - Freeway Section | See TM862 |
| TM735 | Bridge Construction | See TM870 |
| TM740 | Blasting Zones | See TM871 |
| TM745 | Temporary Concrete Barrier Details | See TM830 |
| TM747 | Temporary Reflective Pavement Markers | See TM810 |
| TM750 | Temporary Barricades | See TM820 |
| TM755 | Temporary Impact Attenuators | See TM831 |
| TM760 | Temporary Impact Attenuators | See TM832 |
| TM765 | Signalized Intersection Details | See TM842 |
| TM770 | Multi-Lane Signalized Intersection Details | See TM843 |
| TM775 | Temporary Sign Supports | See TM821 |
| TM780 | Closure Details | See TM840 |
| | | |