

Specific Notes & Footnotes Related to Special Items in the Roadway Design Guidelines (Rev. 1-31-25)

Item Related to Notes	Notes	RDG Chapter #
Project Length	For all plan phases, the R.O.W. Length, Roadway Length, Bridge Length, Box Bridge Length, and Project Length shall be shown below the map and shall be noted to the 1000th of a mile and shown as X.XXX.	1-203.06
Road Closed during Construction	If the road is going to be closed during construction, this should be noted on the Line and Grade, Functional Design, Plan-in-Hand, and PS&E title sheet	1-203.12
PS&E Index	The Index of Sheets for PS&E plans is not shown on the title sheet as it is in the Line and Grade and Functional Design plans. Designers shall place a note in the upper left corner of the title sheet which says, "See Sht. 1A for Index"	1-206.01
Item in question added to the estimate, but may not be used by the contractor shall be discussed at PIH Field Review	footnoted "Requested by Division"	1-401.00
Item used in multiple locations	When an item is used in multiple locations for various reasons, footnotes shall be used to define what the use and quantity is for each item within the total.	1-403.00
Lump Sum (LS) quantities	The description shall be filled in and a breakdown of the items included in the lump sum shall be footnoted	1-403.00
Erosion Control that might have to be replaced during the life cycle of the project	SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT	1-403.00
Approved Design Exception	Approved design exceptions shall be noted, with approval date, in the lower right corner of the title sheet as well as on the cover sheet for the Functional Design.	1-203.13 2-105.00
Approved Design Waivers	Approved design waivers shall be noted, with approval date, in the lower right corner of the title sheet as well as on the cover sheet for the Functional Design and Plan-in-Hand checklist.	2-201.00
716-12.02	Contractor shall use the extruded or ribbon method for application	2-502.00
716-02.08 or 716-02.09	Contractor may elect to substitute Preformed Plastic for Thermoplastic. Preformed Plastic shall be paid for at the same unit price as bid for Thermoplastic	2-508.00
For ALL project with retaining walls	ALL COST OF BUILDING AND INSTALLING THE RETAINING WALL, INCLUDING FOUNDATION PREPARATION, BACKFILLING, AND EXCAVATION, SHALL BE INCLUDED IN THE SQUARE FOOTAGE COST OF THE RETAINING WALL. QUANTITIES FOR FOUNDATION PREPARATION, BACKFILL, AND EXCAVATION ARE REFLECTED IN THE END AREA CALCULATIONS ON CROSS SECTIONS AND IN GRADING QUANTITY ROADWAY ITEM 203-01, ROAD AND DRAINAGE EXCAVATION (C.Y.). THE DESIGNER HAS NOTED THE PORTION OF THIS QUANTITY FOR THESE ITEMS ON THE PROFILE SHEET XX AND ON THE GRADING QUANTITY TABULATION SHEET. THE PORTION OF THIS QUANTITY HAS BEEN REMOVED FROM ROADWAY ITEM 203-01, ROAD AND DRAINAGE EXCAVATION (C.Y.). FOR FURTHER INFORMATION ON RETAINING WALLS AND QUANTITIES, SEE SHEET(S) (R, R1, R1A, R1B, R2, R2A, R2B, etc.).	2-900.10
If a Concrete Parapet is on one retaining wall	CONCRETE PARAPET IS LOCATED ON RETAINING WALL R# AND IS NOT INCLUDED IN THE COST OF THE RETAINING WALL	2-900.10
if Concrete Parapet is on multiple retaining walls	CONCRETE PARAPET IS NOT INCLUDED IN THE COST OF THE RETAINING WALL. BREAKDOWN OF CONCRETE PARAPET FOR EACH WALL IS XX L.F. FOR R#, XX L.F. FOR R#, XX L.F. FOR R#, (ETC.)	2-900.10
If Concrete Barrier is on one retaining wall	CONCRETE BARRIER IS LOCATED ON RETAINING WALL R# AND IS NOT INCLUDED IN THE COST OF THE RETAINING WALL.	2-900.10
If Concrete Barrier is on multiple retaining walls	CONCRETE BARRIER IS NOT INCLUDED IN THE COST OF THE RETAINING WALL. BREAKDOWN OF CONCRETE BARRIER FOR EACH WALL IS XX L.F. FOR R#, XX L.F. FOR R#, XX L.F. FOR R#, (etc.)	2-900.10
Earthwork Calculations	A note shall be added to the plans below the earthwork tabulation block detailing any special areas where topsoil will not be required (such as rock fills not to be seeded). Include topsoil and seeding quantities for sodded or paved ditch areas on projects requiring topsoil and seeded slopes	2-1007.00
Box Culvert and Slab Bridge Outlets	Footnote these quantities to show the amount of concrete and steel bar reinforcement included for the paved aprons, when applicable.	2-1200.02 8-604.02
If curve inlets and/or outlet are required	The inlet and outlet end of the box culvert at Sta. shall be curved parallel to the centerline of the roadway.	2-1200.03
If the top slab is to be used as the riding surface and the design speed is less than 40 mph, the following not shall be added to the plans	Bridge deck finish to be burlap drag in accordance with method "A" as specified in Subsection 604.23 of the Tennessee Department of Transportation Standard Specifications.	2-1200.03
203-50	ITEM NUMBER 203-50 SHALL INCLUDE GEOTEXTILE (TYPE IV), BORROW EXCAVATION (GRADED SOLID ROCK) OR MACHINED RIP-RAP (CLASS A-1, CLASS B, OR CLASS C), MINERAL AGGREGATE (SIZE 57), AND TEMPORARY DRAINAGE PIPE (IF APPLICABLE). THE MINERAL AGGREGATE INCLUDES AN ADDITIONAL TEN (10) PERCENT FOR	2-1201.02

	MAINTENANCE.	
Haul Road	If the haul road is constructed in a dry or unsaturated area, Borrow Excavation (graded solid rock) shall be used. If the haul road is constructed in water or in an area within the flood plain, Machined Rip-Rap (Class A-1, Class B, or, Class C) shall be used in place of Borrow Excavation. An additional ten (10) percent for Mineral Aggregate is included in Item 203-50. The additional ten (10) percent is for the maintenance of the haul road due to inclement weather events outside the contractor's control.	2-1201.02
303-01	Footnote the quantity used for driveway.	2-1501.00
712-02.60	This item shall be a portable energy absorbing terminal meeting the requirements of AASHTO MASH for Test Level 3. The pay item will include furnishing and installing all components as shown on the manufacturer's drawing.	5-205.00
712-06.16	Item to be used only when a reduced speed limit is established within the project construction work zone limits. Item includes sign face, supports, and two type "B" flashers per the standard specifications. The contractor shall be responsible for turning on the type "B" flashers when workers are in the construction work zone and turning them off when workers are no longer in the construction work zone.	5-208.00
202-01 or 202-01.50	add a footnote to the estimated quantities block detailing exactly what major items are included in the item (this includes, but is not limited to catch basins, manholes, junction boxes, etc.).	8-202.00
202-04.50 to 202-04.65	shall be footnoted under the appropriate estimated quantities block as to whether the salvage shall become the property of the contractor, city, county, or state.	8-202.01
202-06.01 to 202-06.41	Bid price includes all salvage value of material. See tabulated quantities sheet No. 2___ for removal of buildings and obstructions description block.	8-202.02
All grading quantities	See Grading Special Notes on sheet 2__.	8-203.01
Pipe Culvert and Bedding Material	Designers should include a footnote under the estimated roadway quantities block that the bedding material shall be included in the cost of the proposed pipe culvert. "See Standard Drawing No. D-PB-1 and D-PB-2 for additional details."	8-204.01
Excavation for Concrete Box and Slab Type Culverts and Bridges	Culvert excavation for concrete box or slab type culverts or bridges will not be measured and paid for directly, but the cost will be included in the cost of other items.	8-204.02
Brooming and Degrassing	The Designer shall footnote all applicable brooming and degrassing pay items with the following notes: "Includes the cost of removing debris and sweeping shoulders prior to work. See sheet no. _____, note (____) for more information."	8-208.00
All Applicable EPSC pay items	See Subsection 209.07 of the Standard Specifications for Maintenance Replacement. All quantities are to be used as directed by the Engineer.	8-209.00
302-02	NOTE: To be used only when specifically recommended Subsection 302.08 of the Standard Specifications requires slurry application unless otherwise shown on plans. If dry application is specified by the Pavement Design Section, it shall be necessary to footnote pay items.	8-302.00
402-01, 402-02, 403-05.01, 405-01.01, 405-01.02,	Designers shall assume the mid-point of the rate ranges when calculating quantities. If a different value is used, footnote this item on the estimated roadway quantities sheet in the plans to indicate the rate used. Designers shall show the rate range on the proposed pavement schedule in the plans.	8-402.01 8-403.02 8-405.00
402-02	Item to be used as directed by the engineer.	8-402.01
403-01	If a specific aggregate size is intended to be used, use the coordinating midpoint of the ranges identified in Table 405.06-1 of Standard and Supplemental Specifications 405.06 and footnote this item on the estimated roadway quantities sheet in the plans to indicate which rate and aggregate size should be used.	8-405.01
403-01.01	No payment will be made directly for the water required to dilute the tack coat.	8-414.01
414-03.01	Application rate based on 12 percent of the dry weight of the aggregate.	8-414.01
414-03.02	Application rate: 1 pass = 22 pounds (approximate depth 0.275") per square yard 2 pass = 32 pounds (approximate depth 0.375") per square yard	8-414.01
610-07.03, 709-01.01	These pay items in the estimated roadway quantities block shall be footnoted as follows: "Standard Drawing STD-1-7 (or STD-1-11) is to be used for burial of the outlet pipe and for end treatment details."	8-611.01
621-01.01 to 621-01.10	Quantity is based on minimum calculated length. Actual length required will be determined based on field conditions encountered. The bidder is responsible for verifying estimated lengths prior to submitting their bid. Additional length, if any, required by actual field measurements will be installed at no additional cost. All costs shall be included in the bid price for these items.	8-621.00
Rip Rap 709-05.05 to 709-05.09	Footnote each structure separately identifying all quantities and the structures with which they are used.	8-709.01
Crown Vetch Mixture (with mulch)	Item No. 801-01.02, Crown Vetch Mixture (with mulch) shall be used on slopes 3H:1V or steeper and other areas, as indicated in the plans, that are inaccessible for mowing.	8-801.02
Seeding (without mulch), Temporary Seeding (with mulch)	The cost of fertilizer and lime used in initial seed bed preparation is to be included in the cost of seeding. See Section 801 of TDOT Standard Specifications for Road and Bridge Construction.	8-801.03
801-03	Includes thousand gallons for erosion prevention and sediment control.	8-801.04

For large projects when item nos. 801-01 & 801-01.02	For larger projects with significant amount of disturbed area, include Item No. 801-07 and/or Item No. 801-07.01 when using item no. 801-01 and/or 801-01.02. Or for larger projects with significant amount of disturbed area, include Item No. 801-08 and/or when using Item No. 801-01 and/or 801-01.02.	8-801.05 8-801.06
Supplemental fertilizer	The cost of any necessary lime to be used in conjunction with supplemental fertilizer is to be included in the cost of the supplemental fertilizer. See Section 801 of TDOT Standard Specifications for Road and Bridge Construction.	8-801.06
806-02.03	Item includes litter and trash removal. This work will not be measured and paid for directly but will be included in the cost of Item No. 806-02.03 Project Mowing per Cycle	8-806.00
First Property Map or Present Layout Sheet, if applicable	IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EASEMENT LINES FOR THE PROJECT BE REMOVED THERE FROM IN THE PROCESS OF RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, (A) TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT. (A) NOTE: FILL IN THE BLANK WITH APPROPRIATE PERSONNEL TITLE(S). "THE PROJECT MANAGER, AND REGIONAL PROJECT DEVELOPMENT OFFICE ARE".	9-300.00
First Property Map or Present Layout Sheet, if applicable	ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.	9-300.00