

Divisions (also called Categories and Sections) and Lump Sum Items

How to handle Lump Sum Bid Items WITH a 'Total' column

Note: category = division

When a bid item is being used across multiple categories **and** being totaled for a quantity of 1.0, the bid items in the categories needs to be split so the portions of the lump sum item equal 1.0. The portions do not have to be equally split and can be weighted based on the work in those specific categories, but the total must be equal to 1.0. Please refer to Example 1 and Example 2 shown below, and note these are just examples. The main objective is to have lump sum bid items split across multiple categories being totaled to equal 1.0.

Example 1:

This designer has chosen to split the lump sum bid items 20%/80%. They chose to do this to ALL lump sum items that were being split between multiple categories. They could have chosen a different ratio for each lump sum bid item; it just so happens for this example they didn't.

ESTIMATED QUANTITIES								
Item No.	Item Code	Item	Unit	Seg. 2			Total	As Built Qty
				Div. 1 (100% FM)	Div. 2(100% FM)*	Div. 3:(100% HSIP)		
0010	2213-2713300	Excavation, Class 13 for Widening	CY	-	1146.30	3196.81	4343.11	
0020	2213-8200000	Base Widening, -HMA Mixture	TON	-	1499.36	4181.43	5680.79	
0030	2214-5145150	Pavement Scarification	SY	266.67	280.00	-	546.67	
0040	2303-1032500	HMA Standard Traffic, Intermediate, 1/2" Mix	TON	1901.88	8560.76	2090.72	12553.36	
0050	2303-1033500	HMA Standard Traffic, Surface, 1/2" Mix, No Fric	TON	1901.88	8560.76	2090.72	12553.36	
0060	2303-1258343	Asphalt Binder, PG58-34S, Standard Traffic	TON	228.23	1117.25	501.77	1847.25	
0070	2303-6911000	HMA Samples	LS	0.20	0.80	-	1.0	
0080	2303-7000610	Incentive/Disincentive for HMA Lab Voids	EACH	1902.00	8561.00	-	10463.0	
0090	2303-7000620	Incentive/Disincentive for HMA Field Voids	EACH	1902.00	8561.00	-	10463.0	
0100	2315-8275025	Surfacing, Driveway, Class A Crushed Stone	TON	272.00	800.00	-	1072.0	
0110	2316-0000120	Incentive/Disincentive for HMA Pavement Smoothness	EACH	4187.63	17198.72	-	21386.35	
0120	2318-1001100	Cold In-Place Recycled Asphalt Pavement	SY	17448.44	71661.33	-	89109.77	
0130	2318-1001220	Asphalt Stabilizing Agent (Foamed Asphalt)	TON	76.77	315.31	-	392.08	
0140	2527-9263112	Painted Pavement Markings, High Build Waterborne	STA	228.53	0.00	1211.27	1439.8	
0150	2528-2518000	Safety Closure	EACH	3.00	8.0	-	11.0	
0160	2528-8445110	Traffic Control	LS	0.20	0.80	-	1.0	
0170	2528-8445113	Flaggers	EACH	PER PROPOSAL	PER PROPOSAL	-	PER PROPOSAL	
0180	2529-8202000	Rumble Strip Panel (In Full Depth Patch)	EACH	1.0	2.0	-	3.0	
0190	2533-4980005	Mobilization	LS	0.20	0.80	-	1.0	
0200	2548-0000100	Milled Shoulder Rumble Strips, HMA Surface	STA	-	-	586.3	586.3	
0210	2548-0000310	Milled Centerline Rumble Strips, HMA Surface	STA	-	-	293.2	293.2	
0220	2555-0000010	Deliver & Stockpile Salvaged Materials	LS	-	-	1.0	1.0	

Example 2:

This example is like Example 1, but this project has 5 categories with the lump sum bid items being split across all 5 categories. It appears most of the work is being done in Category/Division 2.

TOTAL ESTIMATED QUANTITIES									
Item No.	Item Code	Item	Unit	Blackhawk/ Buchannan 50%/50% FM	Fayette/ Bremer 50%/50% FM	Bremer 100% FM	Sumner 100% Sumner Reimburse Fayette	Fayette 100% Local transfer to FM	Total
				Div 1	Div 2	Div 3	Div 4	Div 5	
0010	2214-5145150	Pavement Scarification	SY	122.22	656.89	-	455.44	80.89	1,315.44
0020	2303-1032500	HMA Standard Traffic, Intermediate Course, 1/2 In Mix	TON	637.82	20,161.12	1,448.61	605.79	695.15	23,548.49
0030	2303-1033500	HMA Standard Traffic, Surface Course, 1/2 In Mix	TON	364.47	18,578.44	1,483.27	640.45	695.15	21,761.78
0040	2303-1258343	Asphalt Binder, PG 58-34S, Standard Traffic	TON	60.14	2,324.37	175.91	74.77	83.42	2,718.61
0050	2303-6911000	HMA Pavement Samples	LS	0.02	0.85	0.07	0.03	0.03	1.00
0060	2303-7000610	Incentive/Disincentive for HMA Lab Voids	EACH	501.15	19,369.78	1,465.94	623.12	695.15	22,655.14
0070	2303-7000620	Incentive/Disincentive for HMA Field Voids	EACH	501.15	19,369.78	1,465.94	623.12	695.15	22,655.14
0080	2315-8275025	Surfacing, Driveway, Class A Crushed Stone	TON	32.00	2,240.00	96.00	176.00	272.00	2,816.00
0090	2316-7000120	Incentive/Disincentive for HMA Pavement Smoothness	EACH	802.50	40,244.57	3,189.59	1,333.85	1,530.61	47,101.12
0100	2318-1001100	Cold In-Place Recycled Asphalt Pavement	SY	3,343.76	167,685.71	13,289.96	5,557.69	6,377.56	196,254.68
0110	2318-1001220	Asphalt Stabilizing Agent (Foamed Asphalt)	TON	14.71	737.82	58.48	24.45	21.05	856.51
0120	2527-9263109	Painted Pavement Marking, Waterborne or Solvent-Based	STA	33.08	1,729.95	191.46	67.08	-	2,021.57
0130	2528-2518000	Safety Closure	EACH	1.00	20.00	2.00	1.00	4.00	28.00
0140	2528-8445110	Traffic Control	LS	0.02	0.85	0.07	0.03	0.03	1.00
0150	2528-8445113	Flaggers	EACH	PER PROPOSAL	PER PROPOSAL	PER PROPOSAL	PER PROPOSAL	PER PROPOSAL	PER PROPOSAL
0160	2529-8202000	Rumble Strip Panel (In Full Depth Patch)	EACH	2.00	4.00	-	-	-	6.00
0170	2533-4980005	Mobilization	LS	0.02	0.85	0.07	0.03	0.03	1.00

How to Handle Lump Sum Bid Items WITHOUT a 'Total' column

Note: category = division

When a bid item is being used across multiple categories **and** there is NOT a total column then each lump sum bid item must equal 1.0. Please refer to Example 3 shown below, note this is just an example. The main objective is to have lump sum bid items equal 1.0 in each category.

Example 3:

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES								Division 1: Participating Division 2: Participating Division 3: Non-Participating
Item no.	Item Code	Item	Unit	Quantities				Estimate Reference Notes
				Estimated				
				Division 1	Division 2	Division 3		
1	2510-6745850	REMOVAL OF PAVEMENT	SY	60	40		1. Existing pavement estimated to be PCC with thickness between 8 and 10 inches. 2. HMA and/or composite pavement may be present in some locations. Estimated thickness between 8 and 10 inches. 3. Item for removal of concrete curb and gutter, as directed by the Engineer. 4. PCC slurry from saw cutting shall be contained and not allowed to enter the storm sewers.	
2	2511-6745900	REMOVAL OF SIDEWALK	SY	60	40		1. Existing sidewalk estimated to be PCC with thickness between 4 and 6 inches. 2. PCC slurry from saw cutting shall be contained and not allowed to enter the storm sewers.	
3	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	60	40		1. Certified Plant Inspection shall apply to this bid item.	
4	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	60	40		1. Certified Plant Inspection shall apply to this bid item.	
5	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.	LF	60	40		1. Certified Plant Inspection shall apply to this bid item. 2. Use "C" mix. Use of calcium chloride will not be permitted. 3. Place BT-3 joints where curb and gutter ties into existing pavement.	
6	2515-2475008	DRIVEWAY, P.C. CONCRETE, 8 IN.	SY	60	40		1. Certified Plant Inspection shall apply to this bid item.	
7	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	60	40		1. Existing driveways estimated to be PCC with thickness between 6 and 8 inches. 2. PCC slurry from saw cutting shall be contained and not allowed to enter the storm sewers.	
8	2525-0000100	TRAFFIC SIGNALIZATION	LS	1	1		1. Refer to the N Sheets for locations and details. 2. Refer to Special Provisions for additional requirements.	

Design Team: County Name: Project Number:

SHEET C.1