

## Partial G-match estimating Guidance

This guidance is applicable to partial G-match eligible projects only. It is intended to supplement the “Increased Federal Share – “G-matching”” memo signed by Dwane Kailey on January 1, 2016.

1. Update the quantities and estimated bid item prices in the Preliminary Estimate spreadsheet and save the sheet. This will be the Total Estimate for the total CN including G-match items.
2. Provide separate Preliminary Estimates for the G-match and non-G-match items. Include traffic control, mobilization and contingency values from the Total Estimate (step 1) in the non G-match Preliminary Estimate for milestone stages and for updating TCP cost estimates. Contract plans will apply mobilization and traffic control pro-rata, as appropriate, when preparing the Engineer’s Estimate for programming CN and bid advertising. Apply CE to the Total Estimate and not the non G-match and G-match estimates.
3. Record the separate G-match, and non G-match Preliminary Estimate Construction Total and Total Estimate CE values in PPMS and on the milestone reports.

For Example, the values below are from the sample project estimate sheets shown on the following pages.

	<u>Total Estimate</u>		<u>Non G-match Est.</u>		<u>G-Match Est.</u>
Mobilization	\$97,531		\$97,531		\$0
Contingency	\$85, 827		\$85,827		\$0
Construction Total	\$1,158,673	=	<b>\$1,127,818</b>	+	<b>\$30,855</b>
Construction Engineering	<b>\$115,867</b>		\$0		\$0

The values in bold should be recorded in PPMS and shown on the milestone report templates as shown on the following page.

**Construction Cost Estimate**

**Note if the entire project is G-match eligible or partial G-match eligible. Split out the G-match and the non G-match CN estimates if the project is partial G-match eligible.**

*Include Funding type (IM, NH, STPP, STPS, HSIP, etc.), non-G match, or note if this is 100% G-Match, and all other CN from other funding sources from PPMS,*

	Estimated cost	Inflation (INF) (from PPMS)	TOTAL costs w/INF + IDC (from PPMS)
<b>STPP CN</b>	<b><u>\$1,127,818</u></b>	<b><u>\$126,068</u></b>	<b><u>\$ 1,383,913</u></b>
<b>G-Match CN</b>	<b><u>\$30,855</u></b>	<b><u>\$3,448</u></b>	<b><u>\$ 37,860</u></b>
<b>TOTAL CN</b>	<b><u>\$1,158,673</u></b>	<b><u>\$129,516</u></b>	<b><u>\$ 1,421,773</u></b>
<b>CE (___%)</b>	<b><u>\$115,867</u></b>	<b><u>\$12,951</u></b>	<b><u>\$ 142,176</u></b>

*Project TOTAL from all of the funding types above:*

<b>Project TOTAL CN+CE</b>	<b><u>\$1,274,540</u></b>	<b><u>\$142,467</u></b>	<b><u>\$ 1,563,949</u></b>
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The estimate above includes \$36,900 for traffic control, 8% allowance for contingency, and 10% for mobilization. The pro-rata estimates are applied to the sum total of all bid items and included in the non-G-match CN line. Traffic control, contingency, and mobilization are not applied to G-match bid items during project development. The Contract Plans Bureau will apply traffic control and mobilization pro-rata (as appropriate) when preparing the Engineer's Estimate for programming CN and advertising for bids.

Note: Inflation is calculated in PPMS to the letting date. If there is no letting date, the project is assumed to be inside the current TCP and is given a maximum of 5 years until letting. IDC is calculated at 10.37% for FY 2016.



Preliminary Estimate

Project Number: STPP 82-1(10)1  
 Project Name: FLATHEAD RIVER - E&W  
 UPN Number: 8961000  
 Project Length: 4.0 MILES  
 Design Stage: PIH

NON-G-MATCH ESTIMATE

Prepared By: JIM TURNER  
 Date: April 13, 2016  
 County: Flathead  
 District: Missoula  
 Type of Work: OVERLAY, SEAL COVER & FOG SEAL

Item Number	Quantity	Description	Unit	G-Match	Average Bid Prices		Adjusted Unit Prices	
					Unit Price	Amount	Unit Price	Amount
					Dollars	Dollars	Dollars	Dollars
104030010	5,000	MISCELLANEOUS WORK	UNIT	N	\$1.00	\$5,000.00	\$1.00	\$5,000.00
301020416	649	SHOULDER GRAVEL	CUYD	N	\$39.01	\$25,317.00	\$42.99	\$27,901.00
401020048	9,112	PLANT MIX SURF GR S-1/2 IN	TON	N	\$27.16	\$247,482.00	\$38.95	\$354,912.00
401020300	128	HYDRATED LIME	TON	N	\$209.35	\$26,797.00	\$210.46	\$26,939.00
402020092	529.0	ASPHALT CEMENT PG 64-28	TON	N	\$611.06	\$323,251.00	\$550.37	\$291,146.00
402020310	51.0	EMULSIFIED ASPHALT	TON	N	\$720.79	\$36,760.00	\$684.75	\$34,922.00
402020368	142.2	EMULSIFIED ASPHALT CRS-2P	TON	N	\$568.22	\$80,801.00	\$617.17	\$87,762.00
409000010	79,165	COVER-TYPE 1	SQYD	N	\$0.62	\$49,082.00	\$0.75	\$59,374.00
411010000	3,240	COLD MILLING	SQYD	N	\$1.29	\$4,180.00	\$5.43	\$17,593.00
618030005	45,000	TRAFFIC CONTROL DEVICES CB	UNIT	N	\$0.65	\$29,250.00	\$0.82	\$36,900.00
620012950	4	TEMPORARY STRIPING	MILE	N	\$484.87	\$1,939.00	\$249.19	\$997.00
	1	SIGNING NO G-MATCH 15%				\$0.00	\$1,012.50	\$1,013.00
						\$829,859.00		\$944,459.00
		AD HOC Mobilization		Copied from Total Estimate		#VALUE!		\$97,531.40
		Subtotal				#VALUE!		\$1,041,990.40
		AD HOC Contingency		Copied from Total Estimate		#VALUE!		\$65,827.63
		Construction Total		Record in PPMS and reports		#VALUE!		\$1,127,818.03
	0%	Construction Engineering						\$0.00
		Total						\$1,127,818.03
	10.37%	Indirect Cost (IDC)-Construction						\$116,954.73
		Total Construction w/IDC						\$1,244,772.76
	10.37%	Indirect Cost (IDC) - Construction Engineering						\$0.00
		Total Construction Engineering w/IDC						\$0.00
		Total w/IDC						\$1,244,772.76

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 Design Stage: PIH

G-MATCH ESTIMATE

Prepared By: JIM TURNER  
 Date: April 13, 2016  
 County: Flathead  
 District: Missoula  
 Type of Work: OVERLAY, SEAL COVER & FOG SEAL

Item Number	Quantity	Description	Unit	G-Match	Average Bid Prices		Adjusted Unit Prices	
					Unit Price	Amount	Unit Price	Amount
					Dollars	Dollars	Dollars	Dollars
620013000	252	STRIPING-WHITE PAINT	GAL	Y	\$26.90	\$6,779.00	\$37.01	\$9,327.00
620013960	126	STRIPING-WHITE EPOXY	GAL	Y	\$61.82	\$7,789.00	\$77.19	\$9,726.00
620014000	68	STRIPING-YELLOW PAINT	GAL	Y	\$28.70	\$1,952.00	\$37.23	\$2,532.00
620014960	34	STRIPING-YELLOW EPOXY	GAL	Y	\$60.15	\$2,045.00	\$103.88	\$3,532.00
	1	SIGNING G-MATCH 85%				\$0.00	\$5,737.50	\$5,738.00
	0%	Mobilization				\$18,565.00		\$30,855.00
		Subtotal				\$0.00		\$0.00
	0%	Contingency				\$18,565.00		\$30,855.00
		Construction Total		Record in PPMS and reports		\$0.00		\$0.00
	0%	Construction Engineering				\$18,565.00		\$30,855.00
		Total				\$0.00		\$0.00
	10.37%	Indirect Cost (IDC)-Construction						\$3,199.66
		Total Construction w/IDC						\$34,054.66
	10.37%	Indirect Cost (IDC) - Construction Engineering						\$0.00
		Total Construction Engineering w/IDC						\$0.00
		Total w/IDC						\$34,054.66