

**Table 1. Trigger alternatives for linear projects**

BCWMC Reviews of Linear Projects			2015-32	Douglas Drive	2016-03	2016 Northwood	2016-04	Three Rivers South Area Infrastructure	2016-06	GV 2016 PMP District BC Regional Trail	2016-17	SWLRT	2016-32	CSAH 24 Reconstruction Project	2016-38	Northwood North Area Infrastructure	2017-02	GV 2017 PMP	Notes	Similar Watersheds	
Historic Project Data	Project Disturbance (acres)		32.87	11.81	7.14	2.82	57.90	4.20	12.09	6.33											
	Existing Impervious (acres)		18.29	6.48	4.29	1.98	41.30	-	6.51	4.40											
	Proposed Impervious (acres)		20.55	6.54	4.18	1.81	42.40	-	6.53	3.78											
	Change in Impervious (acres)		2.26	0.06	(0.11)	(0.17)	1.10	-	0.02	(0.62)											
	New Impervious (acres)		2.26	-	-	-	1.10	-	0.02	-											
	Reconstructed Impervious (acres)		18.29	6.54	0.33	1.81	18.23	-	6.51	3.78											
	Total new and reconstructed impervious (acres)		20.55	6.60	0.22	1.64	19.33	-	6.53	3.16											
	*Capture & retain volume provided		0.31	0.01	-	-	0.33	N/A	0.02	-											
Trigger is based on new / fully reconstructed impervious. Treatment volume is based on new / fully reconstructed impervious.	Existing Requirement: Trigger MIDS at <b>1 acre</b> new / fully reconstructed impervious.	<b>MIDS Treatment:</b> Capture & retain larger of 1.1 inches off the net increase in impervious -or- 0.55 inches off the the new/fully reconstructed impervious (acre-feet)	0.94	0.30	-	0.08	0.89	-	0.30	0.14										Riley Purgatory Bluff Creek WD <sup>1</sup> , Mississippi WMO <sup>2</sup>	
Trigger is based on new / fully reconstructed impervious. Treatment volume is based on net new impervious.	Alternative 1: Trigger treatment at <b>0.5 acre</b> new / fully reconstructed impervious	Capture & retain <b>1.1 inches</b> off the net new impervious area	0.21	-	-	-	0.10	-	-	-										Treatment trigger is lower than existing conditions, and provides generally lower treatment.	
	Alternative 2: Trigger treatment at <b>1 acre</b> new / fully reconstructed impervious		0.21	-	-	-	0.10	-	-	-										Treatment trigger is the same as existing conditions, but provides generally lower treatment.	
	Alternative 3: Trigger treatment at <b>0.5 acre</b> new / fully reconstructed impervious	Capture & retain <b>0.55 inches</b> off the net new impervious area	0.10	-	-	-	0.05	-	-	-										Treatment trigger is lower than existing conditions, and provides lower treatment.	
	Alternative 4: Trigger treatment at <b>1 acre</b> new / fully reconstructed impervious		0.10	-	-	-	0.05	-	-	-										Treatment trigger is the same as existing conditions, but provides lower treatment.	
Trigger is based on net new impervious surfaces, treatment volume is based on net new impervious.	Alternative 5: Trigger treatment at <b>0 acre</b> of net new impervious, if new / fully reconstructed total is greater than <b>1 acre</b>	Capture & retain <b>1.1 inches</b> off the net new impervious area	0.21	-	-	-	0.10	-	-	-										Treatment trigger changed and provides generally lower treatment. This promotes not increasing impervious area.	
	Alternative 6: Trigger treatment at <b>0.5 acre</b> of net new impervious, if new / reconstructed total is greater than <b>1 acre</b>		0.21	-	-	-	0.10	-	-	-										Treatment trigger changed and provides generally lower treatment. This promotes limiting increased impervious area.	
	Alternative 7: Trigger treatment at <b>1 acre</b> of net new impervious		0.21	-	-	-	0.10	-	-	-										Treatment trigger changed and provides generally lower treatment. This promotes limiting increased impervious area.	
	Alternative 8: Trigger treatment at <b>0 acre</b> of net new impervious, if new / fully reconstructed total is greater than <b>1 acre</b>	Capture & retain <b>0.55 inches</b> off the net new impervious area	0.10	-	-	-	0.05	-	-	-										Treatment trigger changed and provides lower treatment. This promotes not increasing impervious area.	
	Alternative 9: Trigger treatment at <b>0.5 acre</b> of net new impervious, if new / reconstructed total is greater than <b>1 acre</b>		0.10	-	-	-	0.05	-	-	-										Treatment trigger changed and provides lower treatment. This promotes limiting increased impervious area.	
	Alternative 10: Trigger treatment at <b>1 acre</b> of net new impervious		0.10	-	-	-	0.05	-	-	-										Treatment trigger changed and provides lower treatment. This promotes limiting increased impervious area.	

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Trigger is based on net change in impervious. Treatment volume is based on new/ fully reconstructed impervious.	Alternative 11: Trigger MIDS at <b>-5000 SF (-0.114 acre)</b> of net change in impervious surface, if new / fully reconstructed total is greater than <b>1 acre</b>	<b>MIDS Treatment:</b> Capture & retain larger of 1.1 inches off the net new impervious -or- 0.55 inches off the the new/fully reconstructed impervious (acre-feet)	0.94	0.30	-	-	0.89	-	0.30	-	-	-	0.30	-	-	-	-	-	MIDS trigger changed but provides same level of treatment. This promotes reducing impervious area.		
	Alternative 12: Trigger MIDS at <b>0 acre</b> of net new impervious, if new / fully reconstructed total is greater than <b>1 acre</b>		0.94	0.30	-	-	0.89	-	0.30	-	-	-	-	0.30	-	-	-	-	-	MIDS trigger changed but provides same level of treatment. This promotes not increasing impervious area.	
	Alternative 13: Trigger MIDS at <b>5000 SF (0.115 acre)</b> of net new impervious, if new / reconstructed total is greater than <b>1 acre</b>		0.94	-	-	-	0.89	-	-	-	-	-	-	-	-	-	-	-	-	MIDS trigger changed but provides same level of treatment. This promotes limiting increased impervious area.	
	Alternative 14: Trigger MIDS at <b>0.5 acre</b> of net new impervious, if new / reconstructed total is greater than <b>1 acre</b>		0.94	-	-	-	0.89	-	-	-	-	-	-	-	-	-	-	-	-	MIDS trigger changed but provides same level of treatment. This promotes limiting increased impervious area.	
	Alternative 15: Trigger MIDS at <b>1 acre</b> of net new impervious		0.94	-	-	-	0.89	-	-	-	-	-	-	-	-	-	-	-	-	MIDS trigger changed but provides same level of treatment. This promotes limiting increased impervious area.	
	Alternative 16: Trigger MIDS at <b>-5000 SF (-0.114 acre)</b> of net change in impervious surface, if new / fully reconstructed total is greater than <b>0.5 acre</b>		0.94	0.30	-	-	0.89	-	0.30	-	-	-	-	-	0.30	-	-	-	-	MIDS trigger changed but provides same level of treatment. This promotes reducing impervious area.	
	Alternative 17: Trigger MIDS at <b>0 acre</b> of net new impervious, if new / fully reconstructed total is greater than <b>0.5 acre</b>		0.94	0.30	-	-	0.89	-	0.30	-	-	-	-	-	0.30	-	-	-	-	MIDS trigger changed but provides same level of treatment. This promotes not increasing impervious area.	
	Alternative 18: Trigger MIDS at <b>5000 SF (0.115 acre)</b> of net new impervious, if new / reconstructed total is greater than <b>0.5 acre</b>		0.94	-	-	-	0.89	-	-	-	-	-	-	-	-	-	-	-	-	MIDS trigger changed but provides same level of treatment. This promotes limiting increased impervious area.	
	Alternative 19: Trigger MIDS at <b>0.5 acre</b> of net new impervious		0.94	-	-	-	0.89	-	-	-	-	-	-	-	-	-	-	-	-	MIDS trigger changed but provides same level of treatment. This promotes limiting increased impervious area.	
Trigger varies based on the amount of existing impervious on the project. Treatment volume is based on new / fully reconstructed impervious.	Alternative 20: Trigger MIDS if: ● The existing impervious surface <5 acres and the new / fully reconstructed impervious surface >1 acre ● The existing impervious surface 5-20 acres and the new / fully reconstructed impervious surface >4 acres ● The existing impervious surface >20 acres and the new / fully reconstructed impervious surface >8 acres	<b>MIDS Treatment:</b> Capture & retain larger of 1.1 inches off the net increase in impervious -or- 0.55 inches off the the new/fully reconstructed impervious (acre-feet)	0.94	0.30	-	0.08	0.89	-	0.30	0.14	-	-	0.30	0.14	-	-	-	-	MIDS trigger changed but provides same level of treatment.		

\* Projects with site restrictions may not be required to "capture & retain" the water quality volume. These projects must follow MIDS FTOs.

BCWMC 2015-32: Site restrictions triggered FTO #2. Additional treatment credit provided through cost sharing of BCWMC CIP Project:

BCWMC 2016-03: Site restrictions triggered FTO #2. Additional treatment credit provided through cost sharing of Northwood Lake CIP Project.

BCWMC 2016-06: Site restrictions triggered FTOs. Variance requested to provided treatment by end of 2018.

BCWMC 2016-17: Site restrictions triggered FTO #2. FTO #2 was met for the portion of the project within Bassett Creek Watershed.

BCWMC 2016-32: Water quality requirements not reviewed by BCWMC in accordance with an agreement between the County, City, and Commission.

BCWMC 2016-38: Site restrictions triggered FTO #2. Applicant was able to meet FTO #2.

BCWMC 2017-02: Site restrictions triggered FTOs. Variance requested to provided treatment by end of 2018.

<sup>1</sup> Riley Purgatory Bluff Creek WD: projects creating between 5,000 SF and 1 acre of new and/or fully reconstructed impervious surface must provide 1.1 inches of abstraction from the net increase in impervious area; projects creating more than 1 acre of new and/or fully reconstructed impervious surface must provide abstraction of the larger of 0.55 inches of runoff from the new and fully reconstructed impervious surface or 1.1 inches of runoff from the net increase in impervious area.

<sup>2</sup> Mississippi WMO: treatment requirement applies to projects that disturb one or more acres of land

<sup>3</sup> Abstraction standard is 1.0 inch

<sup>4</sup> Rice Creek WD: abstraction standard is 0.75 inch