



Ohio Department of Transportation - Office of Hydraulic Engineering  
Post-Construction BMP Calculation Spreadsheet

**Post Construction - Project Summary**

**Project Data**

FRA-US33, 119387				Units
Project EDA			244.8	acres
Is the Project Routine Maintenance per L&D Vol. 2, Sec. 1112.2?			No	NA
BMPs Required?			BMPs Required	NA

**Type of Treatment Required**

Is the Project Redevelopment per L&D Vol. 2, Sec. 1115.6.1?			Yes	NA
Ain (New Impervious Area in New Permanent R/W)			0	acres
Does Entire Site Drain to Large River (>100 sq. miles)?			No	NA
Water Quality Treatment Required			Yes	NA
Water Quantity Treatment Required			No	NA

**Treatment Percent and Treatment Area Requirement**

Aix (Project EDA that is inside the existing R/W)		235.59	acres
Ain (New Impervious Area in New Permanent R/W)		0	acres
T% (Treatment Percent)		20.00	%
Treatment Requirement		48.96	acres

**BMPs Provided**

BMP Name	BMP Type	Sheet Begin	Sheet End	Tributary Area (acres)	Tributary Area in ODOT R/W (acres)
VFS #1	Vegetated Filter Strip	30	30	3.18	3.18
VFS #2	Vegetated Filter Strip	32	33	2.47	2.47
VFS #3	Vegetated Filter Strip	33	33	1.18	1.18
VFS #4	Vegetated Filter Strip	35	37	2.14	2.14
VFS #5	Vegetated Filter Strip	36	37	2.35	2.35
VFS #6	Vegetated Filter Strip	37	38	1.82	1.82
VFS #7	Vegetated Filter Strip	38	39	4.32	4.32
VFS #8	Vegetated Filter Strip	40	43	4.90	4.90
VFS #9	Vegetated Filter Strip	42	44	6.40	6.40
VFS #10	Vegetated Filter Strip	42	43	1.56	1.56
VFS #11	Vegetated Filter Strip	43	44	2.17	2.17
VFS #12	Vegetated Filter Strip	44	45	2.27	2.27
VFS #13	Vegetated Filter Strip	44	45	3.21	3.21
VFS #14	Vegetated Filter Strip	45	46	2.21	2.21
VFS #15	Vegetated Filter Strip	46	47	0.98	0.98
VFS #16	Vegetated Filter Strip	47	47	1.14	1.14
VFS #17	Vegetated Filter Strip	47	47	1.40	1.40
VFS #18	Vegetated Filter Strip	48	49	2.16	2.16
VFS #19	Vegetated Filter Strip	49	49	0.47	0.47
VFS #20	Vegetated Filter Strip	50	52	6.62	6.62

**Treatment Provided**

Total Tributary Area in ODOT R/W Treated (acres)	52.95
Treatment Requirements (acres)	48.96
Treatment Check	Good



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### BMP Submittal Requirements (Per L&D, Vol. 2, Sec. 1116.2)

A. Estimated Project Earth Disturbed Area			Yes	Good
B. Treatment Percent Calculation			Yes	Good
C. BMP Selected for use			Yes	Good
D. Drainage area mapping for post-construction BMPs that show the total contributing drainage area and the amount of contributing area within ODOT right-of-way			Yes	Good
E. Plan sheets showing locations of post-construction BMPs			Yes	Good
F. Calculations for each BMP			Yes	Good
G. Explanation for any area that is not treated			Yes	Good