



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			Yes	Good
E. Plan sheets showing locations of post-co			Yes	Good
F. Calculations for each BMP			Yes	Good
G. Explanation for any area that is not treat			Yes	Good