

Sample Water Quality Results Summary Spreadsheets - Attached To The Stormwater-Drainage-WQ Report Spreadsheet

(Use link to download a zipped working copy of the spreadsheets:

<https://wisconsindot.gov/rdwy/fdm/files/WisDOT-Stormwater-Drainage-WQ-Channel-Spreadsheets.zip>

- 1 Project Summary
- 2 Project ID: XXXX-XX-XX
- 3 Title: Example Project
- 4 Designer/Checker:
- 5 DOT Region/Firm Name:
- 6 Date:

7	HIGHWAY:	0
8	LIMITS:	0
9	COUNTY:	0
10	DESCRIPTION OF WORK:	0
11	PROJECT MANAGER:	0
12	PS&E DATE:	0
13	DESIGN STAGE	

Water Quality Results Discussion

14	Water Quality Results Summary	Total Project Drainage Basin Area	Grass Swales	Filter Strips	Wet Detention Ponds	Catch-basins	Street Cleaning	Biofilters	Other Devices	Untreated Areas
15	Drainage Area (ac)	40.000	0.631	0	27.000	3.750			7.700	0.919
16	ROW Drainage Area (ac)	8.000	0.438	0	3.400	0.750			1.400	2.012
17	Percent TSS Reduction by Treatment Type	48.3%	80.0%		80.6%	4.0%			53.0%	0.0%

Project Water Quality Objectives

DESCRIBE THE STORMWATER QUALITY MANAGEMENT REQUIREMENTS PER TRANS 401.

20 % Reduction
 40 % Reduction
 80 % Reduction
 Other Reduction _____

19

20 IF THE PROJECT REQUIRES STORMWATER MANAGEMENT EXPLAIN HOW THE TRANS 401 2-YR PEAK DISCHARGE REQUIREMENT WAS MET.

21

22 HAS THE DEPARTMENT AGREED TO MEET ANY LOCAL STORMWATER QUALITY ORDINANCES OR REQUIREMENTS FOR THIS PROJECT? IF SO, DESCRIBE.

23

24 IF THE PROJECT REQUIRES STORM WATER MANAGEMENT EXPLAIN HOW THE TOTAL SUSPENDED SOLIDS REDUCTION WAS MET. Refer to Water Quality Results Summary above.

25

26 LIST THE POST CONSTRUCTION STORMWATER QUALITY CONTROL TREATMENT MEASURES FOR THE PROJECT.

27

REGIONAL STORMWATER ENGINEER CONCURRENCE (SIGN AND DATE)

26

Water Quality - Wet Detention Ponds Summary Sheet

1 **Wet Detention Pond Performance**

2	Project ID: XXXX-XX-XX
3	Title: Example Project
4	Designer/Checker:
5	DOT Region/Firm Name:
6	Date:

7	Drainage Area Basin Number					
	Pond Number	1	2			
8	Pond Ending Station Number	30+00	48+00			Total
9	Pond Starting Station Number	20+00	35+00			
10	Left, Center, Right, or All	R	R			
11	Site Assessment					
12	Highway Segment Length Treated (ft)	1000	1300			
13	Drainage Area (ac)	12.000	15.000			27.000
14	ROW Area (ac)	1.500	1.900			3.400
15	Percent Reduction	75%	85%			81%
16	Results Summary					
17	Percent Reduction per Treated Highway Segment	75.0%	85.0%			80.6%

Enter Line Number and Comment. Add more boxes if necessary

Water Quality - Catchbasins Summary Sheet

1 **Catchbasin Performance**

2	Project ID: XXXX-XX-XX
3	Title: Example Project
4	Designer/Checker:
5	
6	Date:

7	Drainage Area Basin Number				
8	Catchbasin Number				
9	Catchbasin Station	10+00	12+00		Total
10	Left, Center, or Right	R	R		
11	Site Assessment				
12	Distance to Next Catchbasin or Drainage Area (ft)	200	250		
13	Drainage Area (ac)	0.300	0.450		0.750
14	ROW Area (ac)	0.200	0.250		0.450
15	Cross Section Type (5 or 8)	5	8		
16	Catchbasin or Inlet Type/Size	Type 3 Inlet	Type 3 Inlet		
17	Predominant Cover Type	More Imperv	More Perv		
18	Predominant Soil Type		Silty/Clayey		
19	Design Chart Number	1	17		
20	Percent Reduction from Design Chart	17%	18%		
21	Results Summary				
22	Average Drainage Area Width (ft)	65.34	78.408		
23	Average ROW Width (ft)	43.56	43.56		
24	Percent Reduction per unit ROW Area	3.4%	4.5%		17.6%

Enter Line Number and Comment. Add more boxes if necessary
