

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:

<http://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.

18 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 | | | | |
|----|---|--------|--------|--|--------|
| 8 | Pond Number | 1 | 2 | | |
| 9 | Pond Ending Station Number | 30+00 | 48+00 | | Total |
| 10 | Pond Starting Station Number | 20+00 | 35+00 | | |
| 11 | 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

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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 | | | | Total |
| 8 | Catchbasin Number | | | | |
| 9 | Catchbasin Station | 10+00 | 12+00 | | |
| 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

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