

FDOT District 1 Street Sweeping in Lake Okeechobee BMAP Basin

County	Dry Weight of Material (lb)	TP (lb)	TN (lb)
Polk	238,412.00	83.36	130.25
Highlands	65,229.00	22.81	35.64
Okeechobee	32,342.33	11.31	17.67
Hendry	133,587.89	46.71	72.98
Glades	38,460.10	13.45	21.01
Lake Okeechobee BMAP Basin	508,031.32	177.63	277.54

The approved 2012 FDOT Statewide Stormwater Management Plan presents a methodology for calculating total nitrogen and total phosphorus mass from street sweeping based on the number of lane miles swept. The methodology utilizes a statewide value of weight of particulate matter by lane mile swept of 324 lb/mile. Therefore, the calculation of dry weight of material is:

Dry Weight of Material (lb) = Lane Miles Swept x 324 lb/mile

Once the dry weight of material has been calculated, the TP and TN mass in pounds is calculated by the following formulas:

Mass of TP (lb) = Dry Weight of Material (lb) x 0.00034964016

Mass of TN (lb) = Dry Weight of Material (lb) x 0.00054630650

Polk County Street Sweeping in Lake Okeechobee BMAP Basin

Road Section/US#/SR#	Description	Annual Cycles	Pavement Miles Swept Per Cycle in Basin (miles)	Pavement Miles Swept Per Year in Basin (miles)	TP (lbs / year)	TN (lbs / year)
16130/SR60	RR tracks east of SR 17 to Kissimmee River	6	51.02	306.12	34.68	54.18
16090/SR17	Elizabeth Ave to South Ave	6	3.48	20.88	2.37	3.70
16180/US27/SR25	West Polk Ave to Lake County line	6	18.60	111.60	12.64	19.75
16090/SR17	Winston Ave to Florida Ave	6	9.58	57.48	6.51	10.17
16110/SR60	US 27E to SR 17	6	8.44	50.64	5.74	8.96
16130/SR60	SR 17 to Tangelo Street	6	11.42	68.52	7.76	12.13
16020/US17/92	Kentucky Ave to 17th St	12	3.71	44.54	5.05	7.88
16050/US17/92	Hinson Ave to CR 580	12	1.00	12.00	1.36	2.12
16090/SR17	South City limits to US 92	12	3.33	39.94	4.52	7.07
16140/SR544	West City limits to SR 17	12	2.01	24.12	2.73	4.27
			Total	735.84	83.36	130.25

Dry Weight of Material (lb) = Lane Miles Swept x 324 lb/mile

Once the dry weight of material has been calculated, the TP and TN mass in pounds is calculated by the following formulas:

Mass of TP (lb) = Dry Weight of Material (lb) x 0.00034964016

Mass of TN (lb) = Dry Weight of Material (lb) x 0.00054630650

Highlands County Street Sweeping in Lake Okeechobee BMAP Basin

Road Section/SR/US#	Description	Annual Cycles	Pavement Miles Swept Per Cycle in Basin (miles)	Pavement Miles Swept Per Year in Basin (miles)	TP (lbs / year)	TN (lbs / year)
09010/25/27 S	NB & SB McCoy Street to Lake Clay Drive	6	2.32	13.90	1.57	2.46
09010/25/27 S	NB & SB Lake June median	6	0.40	2.40	0.27	0.42
09010/25/27 S	NB & SB .872 miles north of Skipper Road to SR66/US98 intersection	6	0.51	3.08	0.35	0.55
09010/25/27 N	NB & SB SR66/US98 to Lake Glenada Drive	6	25.80	154.82	17.54	27.40
09010/25/27 N	NB & SB Stratford Road to .049 miles north of Allamanda Blvd.	6	0.98	5.86	0.66	1.04
090300001/17A	NB & SB intersection of Lakeview Drive to Kenilworth Blvd.	6	1.32	7.94	0.90	1.41
09040/17	NB & SB Kenilworth Blvd. to Pine Street	6	0.88	5.28	0.60	0.93
09040/17	NB & SB Sebring Pkwy. To Helena Street	6	0.39	2.33	0.26	0.41
09010/25/27 S	Josephine Crike Bridge Deck	6	0.20	1.20	0.14	0.21
09110/700/98	Springlake Canal Bridge Deck	6	0.07	0.44	0.05	0.08
09110/700/98	Arbuckle Creek Bridge Deck	6	0.15	0.89	0.10	0.16
09110/700/98	Lorida Creek Bridge Deck	6	0.03	0.20	0.02	0.04
09110/700/98	Istapoga Canal Brdge Deck	6	0.08	0.50	0.06	0.09
09110/700/98	Kissimmee River Bridge Deck	6	0.25	1.50	0.17	0.27
09060/70	Harney Pond Bridge Deck	6	0.05	0.28	0.03	0.05
09060/70	Indian Prairie Bridge Deck	6	0.04	0.23	0.03	0.04
09060/70	Slough Ditch Bridge Deck	6	0.08	0.47	0.05	0.08
Total				201.32	22.81	35.64

Dry Weight of Material (lb) = Lane Miles Swept x 324 lb/mile
Once the dry weight of material has been calculated, the TP and TN mass in pounds is calculated by the following formulas:
Mass of TP (lb) = Dry Weight of Material (lb) x 0.00034964016
Mass of TN (lb) = Dry Weight of Material (lb) x 0.00054630650

Okeechobee County Street Sweeping in Lake Okeechobee BMAP Basin

Road Section/SR/US#	Description	Annual Cycles	Pavement Miles Swept Per Cycle in Basin (miles)	Pavement Miles Swept Per Year in Basin (miles)	TP (lbs / year)	TN (lbs / year)
91070/70	EB & WB .037 miles west of SW 24th Ave. to Okeechobee City limits	6	1.22	7.34	0.83	1.30
91070/70	EB & WB SW 13th Ave. to just past Interceptor Creek	6	4.72	28.30	3.21	5.01
91020/15N/441	NB & SB SR78 to SW 23rd St.	6	3.55	21.29	2.41	3.77
91020/15N/441	NB & SB Okeechobee City limits to .083 miles north of NW 36th St.	6	6.09	36.53	4.14	6.47
91050/15/441 SE	EB & WB East of intersection	6	0.06	0.36	0.04	0.06
91010/78	Kissimmee River Bridge Deck	6	0.25	1.50	0.17	0.27
91010/78	Lemkin Creek Bridge Deck	6	0.11	0.65	0.07	0.11
91050/15/441 SE	Taylor Creek Bridge Deck	6	0.09	0.55	0.06	0.10
91060/710	Mosquito Creek Bridge Deck	6	0.03	0.19	0.02	0.03
91070/70	Kissimmee River Bridge Deck	6	0.16	0.96	0.11	0.17
91070/70	Poplash Slough Ditch Bridge Deck	6	0.05	0.28	0.03	0.05
91070/70	Mosquito Creek Bridge Deck	6	0.07	0.41	0.05	0.07
91090/700/98	Bridge #910096 deck	6	0.12	0.70	0.08	0.12
91090/700/98	Changler Ditch	6	0.04	0.26	0.03	0.05
91090/700/98	Cypress Slough Ditch	6	0.09	0.52	0.06	0.09
Total				99.82	11.31	17.67

Dry Weight of Material (lb) = Lane Miles Swept x 324 lb/mile
Once the dry weight of material has been calculated, the TP and TN mass in pounds is calculated by the following formulas:
Mass of TP (lb) = Dry Weight of Material (lb) x 0.00034964016
Mass of TN (lb) = Dry Weight of Material (lb) x 0.00054630650

Hendry County Street Sweeping in Lake Okeechobee BMAP Basin

Road Section/SR/US#	Description	Annual Cycles	Pavement Miles Swept Per Cycle in Basin (miles)	Pavement Miles Swept Per Year in Basin (miles)	TP (lbs / year)	TN (lbs / year)
07010/SR80	City of LaBelle from Grandma's Grove to Clark Street	12	10.06	120.72	13.68	21.37
07060/SR29	City of Labelle from north of Caloosahatchee Bridge to Winn Dixie	12	4.61	55.37	6.27	9.80
07030/SR25	City of Clewiston from Industrial Canal to Wal-Mart	12	19.69	236.22	26.76	41.81
			Total	412.31	46.71	72.98

Dry Weight of Material (lb) = Lane Miles Swept x 324 lb/mile
Once the dry weight of material has been calculated, the TP and TN mass in pounds is calculated by the following formulas:
Mass of TP (lb) = Dry Weight of Material (lb) x 0.00034964016
Mass of TN (lb) = Dry Weight of Material (lb) x 0.00054630650

Road Section/SR/US#	Description	Annual Cycles	Pavement Miles Swept Per Cycle in Basin (miles)	Pavement Miles Swept Per Year in Basin (miles)	TP (lbs / year)	TN (lbs / year)
05010/SR25	City of Moore Haven from south of Caloosahatchee Bridge to SR 78	12	9.89	118.70	13.45	21.01
			Total	118.70	13.45	21.01

Dry Weight of Material (lb) = Lane Miles Swept x 324 lb/mile
Once the dry weight of material has been calculated, the TP and TN mass in pounds is calculated by the following formulas:
Mass of TP (lb) = Dry Weight of Material (lb) x 0.00034964016
Mass of TN (lb) = Dry Weight of Material (lb) x 0.00054630650