

NICTD DT NWI - Culvert Matrix

Sheet	Culvert Location (MP)	Near Station (Approx.)	County	Corporate	Drainage Area (sq. miles)	Affected Environment Map Sheet No.	Existing Culvert	Proposed Culvert	Proposed Culvert (OLD)	IDNR Permit Required	Local Gov Jurisdiction	Proposed Pipe Length (LF)	ROW Width (FT)	Environmental Impacts North of ROW	Environmental Impacts South of ROW	Overhead Catenary Conflict? (Y or N)	Construction Access Notes	Recommended Construction Method	
1	35.98	1901+50	La Porte	Michigan City	0.070	53	Parallel Culvert (1) - 18" Dia. CMP Ex Inv Up = 604.79 Ex Inv Dwn = 604.79	(1) - 24" Dia. SP Pro Inv Up = 606.40 Pro Inv Dwn = 605.40	(1) - 24" Dia. SP Pro Inv Up = 606.40 Pro Inv Dwn = 605.41	No	Michigan City	124	66	N/A	National Lakeshore, Aquatic Resource	No	US 12 will be completely shut down to perform construction. Access to both North and South of tracks along US 12.	Open Trench, riprap ends.	
Large	36.2 Kintzele Ditch	1914+00	Porter	Pines	6.606	52	(1) - 75" Dia. RCP Ex Inv Up = 601.38 Ex Inv Dwn = 600.56	(3) - 84" Dia. SP Pro Inv Up = 601.57 Pro Inv Dwn = 600.05	(3) - 84" Dia. SP Pro Inv Up = 601.57 Pro Inv Dwn = 600.06	Yes	IDNR Porter County	75				Yes-South Side Ex Main	North access from east at US 12 along the existing access road (new Main 2). South access from abandoned Lake Park Ave. Contractor crane staging on NE quadrant of culvert.	Open trench, plug and fill existing, regrade banks.	
Large	37.54 Brown Ditch	1981+80	Porter	Pines	3.401	49	(1) - 12'x12' Box Ex Inv Up = 602.79 Ex Inv Dwn = 601.34	Rehabilitate only, no invert changes.	Rehabilitate only, no invert changes.	Yes	IDNR Porter County	37 (ex.)					Yes-South Side Ex Main	North access from east at Central Avenue along the existing access road (new Main 2). South access not readily available. Need temporary crossing and crane mats.	Replace headwalls, repair wingwalls.
2	38.20		Porter	Pines	0.036	48	(1) - 24" Dia. CMP Ex Inv Up = 611.51 Ex Inv Dwn = 611.96	(3) - 36" Dia. SP Pro Inv Up = 610.30 Pro Inv Dwn = 610.00	(3) - 36" Dia. SP Pro Inv Up = 610.30 Pro Inv Dwn = 610.01	No	Porter County	55				Yes, portals on both sides.	Explore Temp Easement from US 12 - One location is Town of Pines and one is a local church. Portals on both sides restrict crane movement.	Open Trench, riprap ends.	
	38.47		Porter	Beverly Shores	0.048		(1) - 12" Dia. Ex Inv Up = Ex Inv Dwn =	no change	no change	No	Porter County								
3	38.57	2046+00	Porter	Beverly Shores	0.035	47	(1) - 18" Dia. CMP Ex Inv Up = 610.34 Ex Inv Dwn = 610.24	(3) - 36" Dia. SP Pro Inv Up = 610.35 Pro Inv Dwn = 610.37	(3) - 36" Dia. SP Pro Inv Up = 610.50 Pro Inv Dwn = 610.48	No	Porter County	42	80	High Quality Aquatic Resource	None	Yes-South Side Ex Main	North access from east at Lake Shore County Road along the existing access road (new Main 2). South access not readily available. Need temporary crossing and crane mats.	Open Trench, riprap ends.	
4	39.48	2084+00	Porter	Beverly Shores	0.309	45	(1) - 48" Dia. CMP Ex Inv Up = 610.218 Ex Inv Dwn = 609.76	(1) - 48" Dia. SP Pro Inv Up = 611.16 Pro Inv Dwn = 611.08	(1) - 48" Dia. SP Pro Inv Up = 611.60 Pro Inv Dwn = 611.51	No	Porter County	46	80	High Quality Aquatic Resource	National Lakeshore, NWI Wetland	Yes-South Side Ex Main	North access from east at Broadway along the existing access road (new Main 2). South access not readily available. Need temporary crossing and crane mats.	Open Trench, riprap ends.	
Large	39.93		Porter	Beverly Shores	1.949	44	(1) - 39" Dia. CMP Ex Inv Up = 609.52 Ex Inv Dwn = 608.66	(2) - 84" Dia. SP Pro Inv Up = 608.50 Pro Inv Dwn = 608.00	(2) - 84" Dia. SP Pro Inv Up = 608.50 Pro Inv Dwn = 608.01	Yes	IDNR No FEMA floodplain	94					Yes-South Side Ex Main	North access from east at Broadway along the existing access road (new Main 2). South access not readily available. Need temporary crossing and crane mats.	Plug and fill existing, regrade banks.
5	40.80	2153+00	Porter	Town of Porter	0.036	42	(1) - 18" Dia. CMP Ex Inv Up = 615.65 Ex Inv Dwn = 615.67	(3) - 24" Dia. SP Pro Inv Up = 615.00 Pro Inv Dwn = 614.90	(3) - 24" Dia. SP Pro Inv Up = 615.00 Pro Inv Dwn = 614.90	No	Porter County	42	80	High Quality Aquatic Resource	National Lakeshore	Yes-South Side Ex Main	North access from east at CR 300 along the existing access road (new Main 2). South access not readily available. Need temporary crossing and crane mats.	Open Trench, riprap ends.	
6	41.40	2180+75	Porter	Town of Porter	0.039	41	(1) - 15" Dia. CMP Ex Inv Up = 615.72 Ex Inv Dwn = 615.44	(3) - 36" Dia. SP Pro Inv Up = 613.50 Pro Inv Dwn = 613.46	(3) - 36" Dia. SP Pro Inv Up = 613.50 Pro Inv Dwn = 613.45	No	Porter County	54	80	High Quality Aquatic Resource	National Lakeshore	Yes-South Side Ex Main	North access from east at CR 300 along the existing access road (new Main 2). South access not readily available. Need temporary crossing and crane mats.	Open Trench, riprap ends.	
7	41.74	2201+75	Porter	Town of Porter	0.043	40	(1) - 24" Dia. CMP Ex Inv Up = 615.51 Ex Inv Dwn = 614.99	(3) - 24" Dia. SP Pro Inv Up = 613.01 Pro Inv Dwn = 612.92	(3) - 24" Dia. SP Pro Inv Up = 613.00 Pro Inv Dwn = 612.91	No	Porter County	54	80	High Quality Aquatic Resource	National Lakeshore	Yes-South Side Ex Main	North access from east at CR 300 along the existing access road (new Main 2). South access from Furnessville Substation/RR ROW. Still need temporary crossing and crane mats.	Open Trench, riprap ends.	
8	42.00	2214+75	Porter	Town of Porter	0.048	39	(1) - 15" Dia. CMP Ex Inv Up = 614.31 Ex Inv Dwn = 614.13	(3) - 24" Dia. SP Pro Inv Up = 612.26 Pro Inv Dwn = 612.18	(3) - 24" Dia. SP Pro Inv Up = 612.60 Pro Inv Dwn = 612.51	No	Porter County	48	80	High Quality Aquatic Resource	National Lakeshore	Yes-South Side Ex Main	North access from east at CR 300 along the existing access road (new Main 2). South access from Furnessville Substation/RR ROW. Still need temporary crossing and crane mats.	Open Trench, riprap ends.	
9	42.39	2240+75	Porter	Town of Porter	0.036	38	(1) - 18" Dia. CMP Ex Inv Up = 611.09 Ex Inv Dwn = 610.52	(3) - 24" Dia. SP Pro Inv Up = 611.00 Pro Inv Dwn = 610.62	(3) - 24" Dia. SP Pro Inv Up = 611.00 Pro Inv Dwn = 610.61	No	Porter County	44	80	High Quality Aquatic Resource	National Lakeshore	Yes-South Side Ex Main	North access from east at CR 300 along the existing access road (new Main 2). South access from Furnessville Substation/RR ROW. Still need temporary crossing and crane mats.	Open Trench, riprap ends.	
Large	42.60		Porter	Town of Porter	1.276	37	(1) - 84" Dia. CMP Ex Inv Up = 604.04 Ex Inv Dwn = 603.89	(2) - 84" Dia. SP Pro Inv Up = 604.04 Pro Inv Dwn = 603.89	(2) - 84" Dia. SP Pro Inv Up = 604.04 Pro Inv Dwn = 603.90	Yes	IDNR No FEMA floodplain	76						Open trench, plug and fill existing, regrade banks.	
10	43.22	2281+32	Porter	Town of Porter	0.335	36	(1) - 27" Dia. HDPE Ex Inv Up = 609.64 Ex Inv Dwn = 607.97	(2) - 48" Dia. SP Pro Inv Up = 608.49 Pro Inv Dwn = 608.13	(2) - 48" Dia. SP Pro Inv Up = 608.50 Pro Inv Dwn = 608.11	No	Porter County	55						Open Trench, riprap ends.	

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11	43.50	2295+82	Porter	Town of Porter	0.035	36	(1) - 52" Dia. Ex Inv Up = 606.95 Ex Inv Dwn = 605.33	(1) - 60" Dia. SP Pro Inv Up = 607.50 Pro Inv Dwn = 607.20	(1) - 60" Dia. SP Pro Inv Up = 607.50 Pro Inv Dwn = 607.21	No	Porter County	71						Open Trench, riprap ends.	
	43.92		Porter	Town of Porter	0.181		(2) - 7"x4' Box Ex Inv Up = 612.8 Ex Inv Dwn = 612.60	no change	no change	No	Porter County	36							no work planned.
	44.06		Porter	Town of Porter	0.035		(1) - 24" Dia. Ex Inv Up = Ex Inv Dwn =	no change	no change	No	Porter County								no work planned.
12	44.33	2339+50	Porter	Town of Porter	0.040	34	(1) - 18" Dia. CMP Ex Inv Up = 614.45 Ex Inv Dwn = 613.99	(3) - 36" Dia. SP Pro Inv Up = 611.14 Pro Inv Dwn = 611.04	(3) - 36" Dia. SP Pro Inv Up = 612.20 Pro Inv Dwn = 612.11	No	Porter County	76	80	High Quality Aquatic Resource	National Lakeshore, High Quality Aquatic Resource	Yes-South Side Ex Main		Open Trench, lower invert 2-3 feet. Channel regrading, riprap on NPS.	
Large	44.51		Porter	Town of Porter	0.131	33	(3) - 7"x4' Box Ex Inv Up = 612.00 Ex Inv Dwn = 611.60	culvert box extension	culvert box extension	No	Porter County	42							Extend precast box and regrade channel.
13	44.65*	2357+00	Porter	Town of Porter	0.038	33	(1) - 18" Dia. CMP Ex Inv Up = 613.17 Ex Inv Dwn = 612.56	(2) - 24" Dia. SP Pro Inv Up = 612.60 Pro Inv Dwn = 612.49	(2) - 24" Dia. SP Pro Inv Up = 612.60 Pro Inv Dwn = 612.51	No	Porter County	76	80	High Quality Aquatic Resource	National Lakeshore	No		Open Trench, riprap on NPS.	
14	44.72	2360+50	Porter	Town of Porter	0.035	33	(1) - 18" Dia. CMP Ex Inv Up = 614.39 Ex Inv Dwn = 613.53	(2) - 36" Dia. SP Pro Inv Up = 611.50 Pro Inv Dwn = 611.46	(2) - 36" Dia. SP Pro Inv Up = 611.50 Pro Inv Dwn = 611.47	No	Porter County	77	80	High Quality Aquatic Resource	National Lakeshore, High Quality Aquatic Resource	No		Open Trench, riprap on NPS.	
15	44.86	2368+00	Porter	Town of Porter	0.048	32	(1) - 24" Dia. CMP Ex Inv Up = 613.48 Ex Inv Dwn = 613.21	(3) - 24" Dia. SP Pro Inv Up = 612.30 Pro Inv Dwn = 612.19	(3) - 24" Dia. SP Pro Inv Up = 612.30 Pro Inv Dwn = 612.21	No	Porter County	76	80	High Quality Aquatic Resource	National Lakeshore, High Quality Aquatic Resource	No		Open Trench, riprap on NPS.	
	45.18		Porter	Town of Porter	0.039		(1) - 24" Dia. Ex Inv Up = Ex Inv Dwn =	no change	no change	No	Porter County								no work planned.
	46.05		Porter	Burns Harbor	0.054		(1) - 12" Dia. Ex Inv Up = Ex Inv Dwn =	no change	no change	No	Porter County								no work planned.
	48.51		Porter	Burns Harbor	0.341		(3) - 96" Dia. Ex Inv Up = Ex Inv Dwn =	no change	no change	No	Porter County								no work planned.

*At MP 44.65, existing MOW track assumed to be removed prior to culvert construction.