



Memorandum

To: Distribution
 From: Paul Ferry, PE
 Highways Engineer
 Date: December 11, 2013
 Subject: Wetland Table

The Environmental Services Bureau has requested that we include the attached wetland table and associated notes in the plans for projects that have delineated wetlands. The wetland table needs to be included in all projects that have delineated wetlands, even if the total wetland impacts are less than 0.1 acre. The applicable note and the table, if appropriate, will be included in the Notes section of the plans.

The table provides a summary of wetland impacts and other related information. Consequently, it should aid resource and regulatory agencies in their reviews of MDT's applications for permits, and make the contractor aware of wetlands and permitted wetland impacts associated with the project.

We are providing some additional information concerning the help notes (1) - (6) at the bottom of the detail. Note (2) requires that wetlands without impacts be included in the table. The remarks mentioned in note (4) are typically provided by Environmental or Hydraulics personnel.

Show delineated, permanent, and temporary wetland impacts on the Detour Detail Sheet. Show delineated and permanent wetland impacts on the Plan and Profile sheets, unless otherwise directed by Environmental Services. Label delineated wetland areas on the Plan and Profile sheets with the Wetland Designation only.

Incorporate these changes into all projects with ready dates after April 30, 2014.

If you have questions concerning this, please contact me at 444-6244.

Attachment

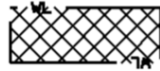
Distribution:		w/ attachment
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WETLANDS

WETLANDS EXIST ADJACENT TO THE ROADWAY AND MAY EXIST BEYOND THE PROJECT LIMITS. WETLAND AREAS AND PERMANENT WETLAND IMPACT AREAS WITHIN THE PROJECT LIMITS HAVE BEEN DELINEATED AND ARE SHOWN ON THE PLANS. ANY ACTION IMPACTING WETLAND AREAS OUTSIDE OF THE PERMANENT IMPACT AREAS SHOWN IS THE RESPONSIBILITY OF THE CONTRACTOR.



DELINEATED WETLAND AREAS



PERMANENT WETLAND IMPACTED AREAS



TEMPORARY WETLAND IMPACT AREAS

(1) WETLAND DELINEATION TABLE						
WETLAND DESIGNATION	STATION		(5) WETLAND AREA (acres)			(4) REMARKS
			DELINEATED AREA	TEMPORARY IMPACTED AREA ##	PERMANENT IMPACTED AREA	
	FROM	TO				
(2) WL-1	102+10	112+65	0.617	(6)		LT. - NO IMPACTS
WL-2A #	137+12	148+08	5.132		1.061	RT.
WL-2B	140+34	150+18	0.656		0.004	LT.
WL-2C	150+63	154+02	0.086			LT. - NO IMPACTS
WL-2D	154+44	165+14	1.220		0.019	LT.
WL-3	154+13	155+75	0.085		0.085	RT.
WL-4	176+97	185+83	0.672			LT. - NO IMPACTS
WL-5	190+03	195+76	0.153			LT. - NO IMPACTS
WL-6	197+44	199+21	0.219		0.219	RT.
WL-7A	198+82	222+95	3.626	1.255	0.583	LT.
WL-7B	207+64	210+86	0.055		0.055	RT.
WL-7C	207+49	210+92	1.039		0.194	RT.
WL-7D	211+57	220+08	0.845		0.402	RT.
WL-8A #	260+35	261+39	0.013	0.007	0.008	RT.
WL-8B #	260+59	261+70	0.012		0.002	RT.
WL-8C #	262+00	262+21	0.005			LT.
WL-9	284+67	285+25	0.017		0.015	RT.
WL-9A	288+33	324+19	2.663		0.868	LT. & RT.
WL-9B #	290+43	299+55	3.750	1.452	0.734	RT.
WL-11A	325+03	331+15	0.127		0.127	RT. - DITCH
WL-11B	332+34	337+65	0.149		0.149	RT. - DITCH
WL-12	333+13	333+93	0.058			LT. - NO IMPACTS
WL-13	366+90	369+11	0.206			RT. - NO IMPACTS
WL-14 #	377+89	384+13	1.730			RT. - NO IMPACTS
WL-15 #	386+45	396+37	2.523		0.097	RT.
WL-16A #	380+05	394+18	0.123		0.002	LT.
WL-16B	391+68	393+66	0.052			LT. - NO IMPACTS
WL-16C	395+20	397+70	0.152		0.089	RT.
WL-16D	395+06	397+22	0.074		0.008	RT.
WL-16E	398+07	398+26	0.006		0.006	RT.
WL-17A	407+28	420+87	0.624	0.259	0.370	RT.
WL-17B	421+18	454+52	0.639		0.037	RT.
WL-18A	454+94	478+11	0.250		0.015	RT. - OLSEN CREEK
WL-18B	410+71	413+74	0.218		0.091	LT. - OLSEN CREEK
Total			27.80	2.97	5.24	

- (3) # AREA OF EXISTING WETLAND EXTENDS BEYOND PLAN LIMITS
TEMPORARY IMPACT AREAS ARE ESTIMATED AND PROVIDED FOR INFORMATIONAL PURPOSES ONLY. TEMPORARY WETLAND IMPACTS SHOWN IN THE TABLE AND ANY OTHER IMPACTS ASSOCIATED WITH CONTRACTOR OPERATIONS ARE TO BE PERMITTED BY CONTRACTOR.

Wetland Delineation Reminders:

- (1) Include a wetland delineation table for all projects with delineated wetlands.
- (2) Include wetland designations for all wetlands delineated on the plan sheets.
- (3) Include frame note(s), when applicable.
- (4) Remarks must describe wetland feature (i.e. ditch, creek, etc.)
- (5) Individual wetland areas are displayed in thousandths of acres, and total wetland areas displayed to the hundredth of an acre.
- (6) Temporary wetland impacts are included for temporary detour alignments, or as requested by Environmental Services Bureau. *If there are no temporary impacted areas, remove the temporary impacted area column and associated notes. Revised 7/21*