

MOODY AND MINNEHAHA COUNTY ORDINANCE BUFFER IMPLICATIONS ON ROUTE

Factors Considered and Evaluated	Moody	Minnehaha	Totals
Application Route	26.7	28.2	54.9
Avoidance Route Miles (unvetted*)	28.3	33.3	61.6
Net Additional Miles	1.6	5.1	6.7
~Additional Costs based on Miles Only (million)	\$2.24	\$7.14	\$9.38
~Miles on Application Route in Conflict (direct and indirect)	19.5	22.8	42.3
Direct Conflict (miles inside Buffers)	5.6	10.9	16.5
Indirect Conflict (miles)**	13.9	11.9	25.8
% of Route in Conflict (direct/indirect)	73.0%	80.9%	77.0%
Incurring Costs on Application Route Miles in Conflict (direct/indirect)(millions)	\$4.14	\$4.84	\$8.98
Net Impact of Avoidance Route (million)	\$6.38	\$11.98	\$18.36
Parcels on Application Route	65	89	154
Parcels in Buffers	26	58	84
Parcels Acquired to Date	10	42	52
Acquired Parcels to Amend for Avoidance Route	6	17	23
% Acquired to Amend for Avoidance	60%	40%	44%
Negotiating parcels to Amend	17	19	36
# of New landowners on Avoidance Route	12	13	25
# Parcels Outside Corridor on Avoidance Route	8	28	36
Waivers from Landowners needed on Application Route	15	29	44
Waivers from Centerline Landowners	0	16	16
Waivers from Adjacent Landowners	15	13	28
Waivers from Signed Landowners	0	6	6
Average Distance to Residence Triggerig Waiver	1,116	1,435	1,331
Median Distnace to Residence Triggerig Waiver	1,152	1,182	1,159
Total Miles of Existing Pipelines in County (NPMS) ***	37.75	167.09	204.84
Miles of Existing HPL	3.35	61.03	64.38
Miles of Existing Natural Gas	34.4	106.06	140.46
*Demonstrative alternative route performed via desktop and not vetted for all routing criteria			
* miles of original route that would no longer be used due if routing around buffers			
** approximate miles based on digitized routes from NPMS county viewer			
NPMS = National Pipeline Mapping System			
HPL = Hazardous Liquid Pipeline			