

**TABLES**

<b>NAC</b>	<b>Day (0700-2200)</b>		<b>Night (2200-0700)</b>	
	<b>L<sub>50</sub></b>	<b>L<sub>10</sub></b>	<b>L<sub>50</sub></b>	<b>L<sub>10</sub></b>
1	60	65	50	55
2	65	70	65	70
3	75	80	75	80

**TABLE 4-1 Noise Area Classifications and Standards**

LAND COVER TYPE	AREA (ACRES)	PERCENT OF ROUTE
Coniferous forest	1,680.1	16.4%
Deciduous forest	2,780.5	27.2%
Shrubland	1,542.2	15.1%
Grassland (including pasture)	1,219.7	11.9%
Wetlands	973.9	9.5%
Open water	133.4	1.3%
Cropland	1,873.5	18.3%
Developed	13.1	0.1%

Source: MDNR, Forestry Division, 2002. GAP-based Land Cover - Vector.

**TABLE 4-2 GAP Land Cover Types**

Common Name	Number of Occurrences	Scientific Name	Federal Status	MN Status*	State Rank**	Habitat
Bald Eagle	3	<i>Haliaeetus leucocephalus</i>	Threatened	SPC	S3B,S3N	Forested areas near lakes and rivers
Blanding's Turtle	4	<i>Emydoidea blandingii</i>	Not Listed	THR	S2	Wetlands and adjacent grasslands
Yellow Rail	1	<i>Coturnicops noveboracensis</i>	Not Listed	SPC	S3B	Marshes and wet meadows
Least Darter	2	<i>Etheostoma microperca</i>	Not Listed	SPC	S3	Shallow, weedy stream water in spawning and growing season; deep stream pools in winter
Greater Prairie-chicken	9	<i>Tympanuchus cupido</i>	Not Listed	SPC	S3	Mesic prairies
Northern Goshawk	1	<i>Accipiter gentilis</i>	Not Listed	NON	SNRB,SNRN	Coniferous forests
Eastern Hognose Snake	1	<i>Heterodon platirhinos</i>	Not Listed	NON	S4	Dry prairies
Colonial Waterbird Nesting Site	1		Not Listed	None	SNR	
Jack Pine - (Yarrow) Woodland, Ericaceous Shrub Subtype	1		Not Listed	None	S2	Dominated by Jack pine ( <i>Pinus banksiana</i> ) with occasional red pine ( <i>Pinus resinosa</i> ) and paper birch ( <i>Betula papyrifera</i> ). Northern red oak ( <i>Quercus rubra</i> ) common in tall-shrub layer. Cow wheat ( <i>Melampyrum lineare</i> ), starflower ( <i>Trifolium borealis</i> ), tessellated rattlesnake plantain ( <i>Goodyera tessellata</i> ), and large-leaved aster ( <i>Aster macrophyllus</i> ) in herb layer.

\* THR – Threatened; SPC – Special Concern; NON – no legal status, data being gathered for possible future listing; None – Terrestrial communities and colonial waterbird sites do not have assigned status, but are considered important ecologically.

\*\* State rank is assigned to species and terrestrial communities to reflect the extent and condition of that element. Ranks range from S1 – in greatest need of conservation, to S5 – secure under present conditions. SNR – not ranked; B (qualifier) – status applies to breeding population; N (qualifier) – status applies to non-breeding population

Source: Minnesota Natural Heritage and nongame Wildlife Program. 2006. Threatened Natural Communities and Rare Species List

**TABLE 4-3 Rare & Unique Resources**

<b>County</b>	<b>Site number</b>	<b>Description</b>
Crow Wing	None	None
Cass	21CAbb	Cemetery
Cass	21CA0214	Trading post ruins
Hubbard	21HB0002	Lithic scatter
Hubbard	21HB0020	Earthwork, artifact scatter
Hubbard	21HB0058	Artifact scatter, structural ruins
Hubbard	21HBp	Artifact Scatter

**TABLE 4-4 Archaeological Resources w/in ¼ mile of the Proposed Route**

<b>County</b>	<b>Site number</b>	<b>Description</b>
Crow Wing	None	None
Cass	CA-HSC-001	School
Cass	CA-HSC-002	Church
Cass	CA-HSC-003	Village building
Cass	CA-PRC-052	Farmstead
Cass	CA-WLS-001	Bridge
Hubbard	HB-NVT-001	Camp Recreation

**TABLE 4-5 Architectural Resources w/in ¼ mile of the Proposed Route**

County	Name	Type	Location
CASS	Paquet (381 P) – 2 crossings	Lake	T140N, R30W, Sections 20 and 29
	North Haynes (449 P)	Lake	T139N, R31W, Sections 5 and 6
	Unnamed (667P)	Lake	T137N, R29W, Section 19
	First Trestle (837 P)	Lake	T139N, R31W, Section 2
	Unnamed (838 P)	Lake	T139N, R31W, Sections 2 and 11
	Pine River (4 crossings)	River/stream	T139N, R30W; Section 18
			T138N, R31W; Section 14
			T138N, R30W; Section 32
			T137N, R30W; Section 12
	Unnamed Tributary between Birch Lake and Paquet Lake	River/stream	T140N, R30W; Section 19
Behler Creek	River/stream	T137N, R30W; Section 11	
Wilson Creek	River/stream	T137N, R30W; Section 3	
HUBBARD	Fifth Crow Wing (92 P)	Lake	T140N, R33W, Section 29
	Unnamed (320 W)	Wetland	T139N, R32W; Sections 23 - 25
	Tamarack (94 W)	Wetland	T140 N, R33W; Section 25
	Mud (168 W)	Wetland	T140N, R34W; Sections 20 and 21
	Crow Wing River	River/stream	T140N, R33W; Section 29
	Wallingford Creek	River/stream	T140N, R33W; Section 36

Source: MDNR, 2005. *Public Waters Inventory Maps and Lists*.

**TABLE 4-6 PWI Waters**

Wetland Type	No. of Basins	% of Wetland Type in Route
Lacustrine	3	4.1%
Palustrine	-	-
Emergent	26	35.1%
Forested	6	8.1%
Scrub/shrub	32	43.2%
Unconsolidated bottom	6	8.1%
Riverine	1	1.4%
<b>Total</b>	<b>74</b>	

Source: USFWS, 2005. *National Wetlands Inventory*.

**TABLE 4-7 NWI Wetlands**

<b>Name</b>	<b>Width (feet)</b>	<b>No. of Structures in PWI</b>	<b>Temporary Impact (sq. feet)</b>	<b>Permanent Impact (sq. feet)</b>
North Haynes (449P)	1,200	1	158	26
Unnamed (320 W)	8,520	8	1,264	208

**TABLE 4-8 PWI Wetlands (wider than HVTL maximum span)**

**Houses/Businesses in Peysenske Lake Area**  
**Distance Measured from**  
**Existing MP 34.5 kV Line**  
**209<sup>th</sup> Avenue Centerline**  
**MP Distribution Line (North Side of TH 34)**  
**or**  
**Highway 34 Centerline (South Side of TH 34)**

	<150 feet	150-300 feet	300-500 feet	Total
CSAH 20/178 <sup>th</sup> Street (Peysenske Lake) Route	2, 4, 6, 16 Total 4	1, 5, 7, 8, 9 Total 5	3, 10, 11, 12, 13, 14, 15 Total 7	16
Alternate Route 209 <sup>th</sup> Ave + No. Side TH 34	18 30, 33, 34, 35, 36, 46, 51, 52, 53 Total 10	20, 21 22, 23, 24, 25, 26, 31, 40, 43, 49 Total 11	17, 19 28, 29, 32, 39 Total 6	27
Alternate Route 209 <sup>th</sup> Ave + So. Side TH 34	18 47, 50 Total 3	20, 21 38, 41, 45 Total 5	17, 19 27, 37, 42, 44, 48 Total 7	15

**TABLE 5-1**

<b>Permit</b>	<b>Jurisdiction</b>
<b>LOCAL APPROVALS</b>	
Road Crossing Permits	County, Township, City
Lands Permits	County, Township, City
Building Permits	County, Township, City
Over-width Loads Permits	County, Township, City
Driveway/Access Permits	County, Township, City
<b>STATE OF MINNESOTA APPROVALS</b>	
Route Permit Application (Alternative Process)	Commission
Utility Permit (TH crossings)	MNDOT
License to Cross Public Waters	MDNR Division of Lands and Minerals
License to Cross State Lands	MDNR Division of Lands and Minerals
National Pollutant Discharge Elimination System (NPDES) Permit - Stormwater	MPCA
Section 401 Water Quality Certification	MPCA
<b>FEDERAL APPROVALS</b>	
Section 404 Approval	USACE

**Table 6-1 Potential Permits/Approvals**