

Time and Cost Estimate

City of Rapid City

Basin Electric Intertie Study Area, Noise and Vibration Study, Land Use Assessment, and Drainage Assessment

Work Task	Project QA/QC	Project Manager	Project Scientist	Junior Engineer	Project Engineer	Junior Engineer	Env Scientist	CADD	Senior Engineer	GIS	Clerical	Expenses	Total
Project Management	8	44	8	8	8	6	8	8	5	0	0	\$824	\$10,152
Project Guide		4											
Team Meetings	8	20	8	8	8	6	8	8	5				
Invoicing		4											
Project Tracking		16											
Task 1 - Noise and Vibration Monitoring & Report Prep			80	100			24			16	8	\$1,824	\$21,118
Task 2 - Health Issues			4				8				2	\$112	\$1,608
Task 4 - Land Use Assessment	4	24	0	0	24	0	0	8	0	0	0	\$480	\$5,731
Land Use - Noise and Vibration Limits					8			4					
Incorporate Drainage Assessment					16			4					
Develop Land Use Recommendations													
Property Owner Meetings	4	24											
Task 5 - Mitigation Solutions			4	16			16				4	\$320	\$4,153
Task 6 - Public Information & Participation	2	31	28	16	0	0	0	16	14	0	4	\$888	\$10,256
Public Involvement Plan		2							1				
Develop/Maintain Mailing List		1											
Produce Public Meeting Displays		4	2	8				16	2				
Public Meetings		12	24						6				
Respond to Public Comments		6	2	8					2				
QA/QC/ Proj Man/Admin	2	6							3		4		
Task 7 - Reports & Meetings	11	36	48	0	58	16	0	26	0	0	4	\$1,592	\$18,479
Kickoff Meeting	1	8	8		4								
City Advisory Meeting		8	8		2								
Draft Report	4		8		24	16		14			2		
Final Report	4		8		24			12			2		
Public Comment Documentation		8											
Present Draft Report to City		6	8		2								
Present Final Report to City		6	8		2								
QA/QC	2												
Total Labor Proposal per RFP	25	135	172	140	90	22	56	58	19	16	22	\$ 6,040	\$ 71,496



Expenses include technology charge, mileage, copy, and phone charges.

Technology Charge	\$	3,095.50
Travel/Mileage Expenses	\$	9,835.00
Copy Expenses	\$	1,510.00
Monitoring Equipment Rental	\$	2,900.00
Shipping	\$	400.00
Telephone Expenses	\$	700.00
Expense Subtotal	\$	18,440.50

Labor & Expenses Total

\$ 89,937

Additional Services - Additional Mitigation Modeling			32	12								\$352	\$4,070
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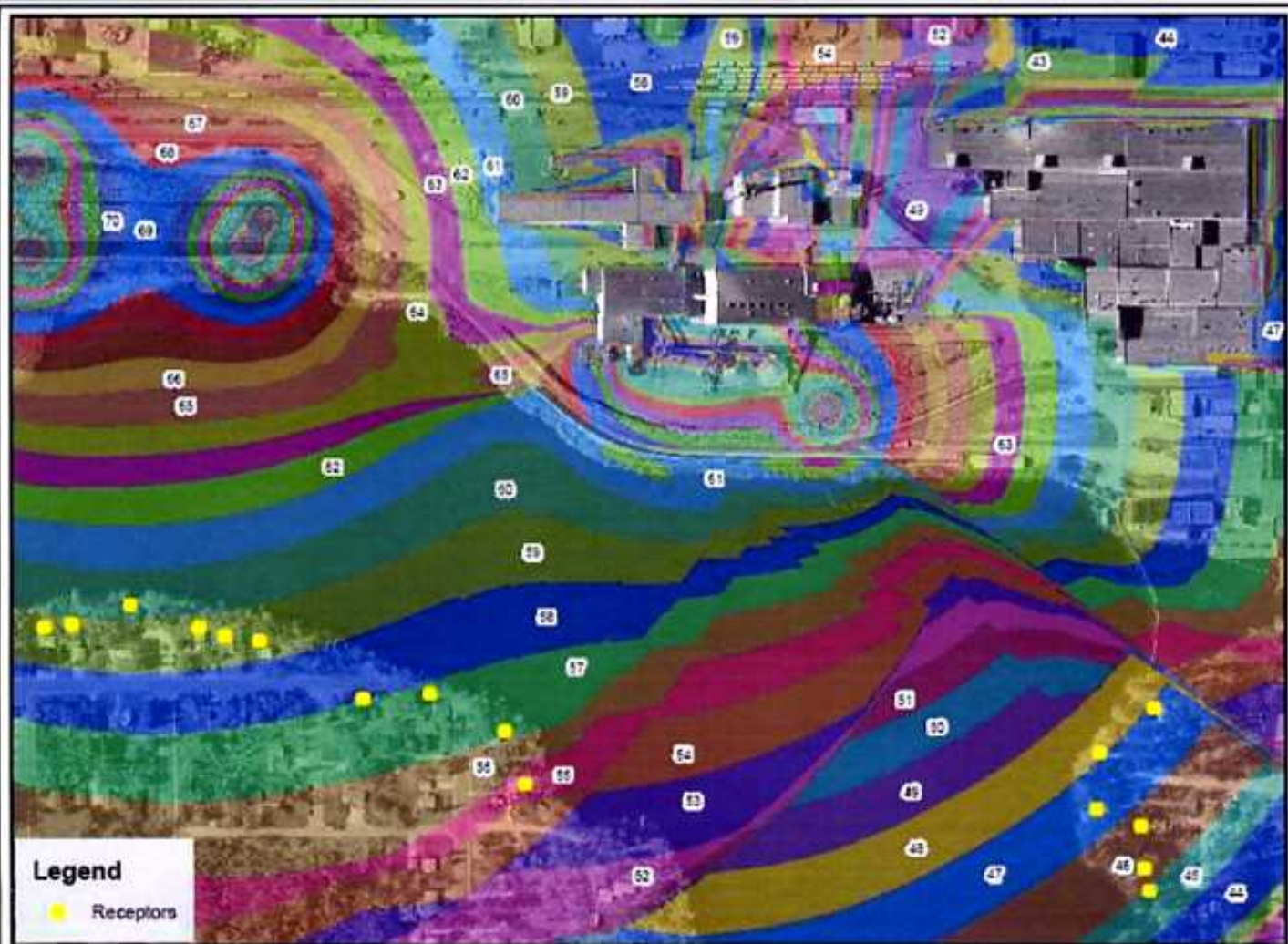


Figure 1-4 - Predicted Noise Levels
 Draft Environmental Impact Statement
 Minnesota Department of Natural Resources
 UPM Blomka Paper Thunderhawk Project

HDR



MINNESOTA
DNR
 DEPARTMENT OF NATURAL RESOURCES