

MEMORANDUM FOR Record

SUBJECT: Minutes of River Resources Forum Meeting #79, 29 August 2007

1. Introductions / Approve Minutes/ Meetings– A meeting of the River Resources Forum (RRF) was held on 28 & 29 August 2007 at the AmericInn in Wabasha, MN. Attached is the attendance list and handouts from the meeting. Following introductions, the Minutes from RRF #78 were approved as prepared. The next meeting is scheduled for 4 & 5 December 2007 with location TBD.
2. Agency Activities – Note: Only the agencies listed below had significant information to report.
 - A. USFWS (Wege): The bald eagle has been delisted so it is no longer endangered, but it is still protected. The Refuge-wide meeting is today (28 Aug).
 - B. WI DOT (Kieck). They do not have a budget. Have been receiving applications for the Harbor Program, including one from Brennan Marine in LaCrosse, WI. The City and County of LaCrosse will have a joint Harbor Committee.
 - C. COE (Tapp): The new District Engineer, Jon Christensen, took office on 8 June. The Channel Maintenance Coordinator position remains open and is in the process of being advertised. Bill Meier continues the temporary promotion as a Channel Maintenance Coordinator until mid October. LD 3 will be dewatered this winter. Rehabilitation of LD 10 will continue until 2008.

(Baumgard): The Corps is looking at a High Performance Organization (HPO) for the Locks and Dams which will affect the lock operations, Maintenance & Repair, and the Dredge.

(Otto): The LUAP maps have been reproduced in digital format for the Mississippi River and public meetings will be scheduled for Mar/Apr 2008.
 - D. WI DNR (Benjamin): The DNR secretary resigned and a new secretary will be appointed.
 - E. MN DOT (Lambert): Busy with I-35W bridge collapse. Minneapolis port transports million tons/yr. No funding for port development in 2007. Pelzer St. in Winona should be operational by the end of Sept.
 - F. USCG (Dentry): Involved with the I-35W bridge collapse recovery efforts. Staffed the EOC for the SE MN flooding, but not needed. The LaCrosse office has been closed. Board vessels at locks for investigations.
 - G. MPCA (Mader): Involved with I-35W collapse rebuild and the SE MN flooding. There are concerns with lowering Lake Goodview in Winona and trenching to Kohner Pit due to contaminants (sewage, feed lots, septic systems) from the flood waters. There is no reorganization taking place at this time.
 - H. LMRWD (Schwalbe): Kraemer site is nearing full capacity and negotiating with Kraemer on renewing the lease for future use. The Cargill East River site is under development. The pursuit of other sites is on hold for now. The Watershed District wants to know what steps are needed to include the MN River funding with the Upper Miss River funding. The MN River has triple the tonnage of Minneapolis.

- I. MN DNR (Wooden): Involved with SW MN floods. Documenting damage due to floods. Working with FEMA standards for rebuilding in the flood plain. There are many retirements in the office.
 - J. IA DNR (Konrad): Regulating shovel nose sturgeon 1500' below the dams. (Griffin): Working on MOU with COE for dredging.
 - K. UMWA (Genz): River boats being affected by the I-35W collapse. The annual meeting is scheduled for 20 Sept.
3. I-35W Update (Dentry)
- A slide show was presented on the rescue mission at I-35W. Discussed the use of the Pool 1 placement site which will be available for dredge material otherwise the city of Mpls will be responsible for paying the difference in using an emergency site. An OSIT meeting would be scheduled prior to the use of an alternate site. The NTSB is trying to remove enough debris to open a 60 ft. channel downstream of Lower St. Anthony Falls to allow commercial barge traffic to pass.
4. Channel Maintenance Program [Handout #79-1].
- A. MN River (Tapp)
 - Explained the funding issue due to the restrictions in reprogramming funds from Miss River to MN River and the Continuing Resolution. HQ denied the waiver to reprogram funds. Letters were sent to Congressionals requesting funds and funds were finally received on 28 July. Dredging started on 29 July. It was recommended by Col Christensen to dual track the request to combine the MN and Miss River funds. Both the COE and the politicians should work on the request. When FY08 funds are received, the Cargill East River site will be developed by M&R. An OSIT meeting will be scheduled prior to the start of construction.
 - B. Dredge Schedule (Meier)
 - The dredge schedule for 2007 was reviewed. High flows delayed dredging on MN River. Andrie Inc. subcontracted all mechanical dredging work in 2007 to L&S. Red Wing Harbor dredging underway with COE authorities and local funding.
 - C. Channel Maintenance and Placement Site Schedule (Machajewski, Lund)
 - The schedules were reviewed. The West Newton Chute access dredging is awaiting EA approval.
5. Environmental Management Program (Powell)
- A. 2007 MVP budget
 - \$5.983M - expected \$4M, but an additional \$2M was received in order to award the Pool 8 Phase III Stage 2B construction contract.
 - B. FY07 Construction Update
 - (1) Pool 8 Phase III Stage 2A (\$280K) – M&R started construction in July. Completed seed islands and are working on island N1.
 - (2) Pool 8 Phase III Stage 2B [(\$6.1M (\$4.85M EMP/\$1.25M OM))] – Awarded to Matteson on 8 Aug. Three options will be awarded based on future funding (\$1.6M, \$530K, \$1.0M).

(3) Clear Lake – P&S for dredging topsoil for the LD 4 Embankment project is delayed due to funding shortage. If bid price is excessive, the wetland scrapes will be reconsidered for topsoil.

(4) Pool Slough completed.

C. FY07 Planning

(1) Harpers Slough and Capoli Slough delayed due to mussel survey protocol issue (maybe Sep 08).

(2) Conway Lake, Lake Winneshiek, and McGregor Lake deferred due to funding shortage.

D. FY08 Budget – Anticipating \$4.5M for MVP

E. Drawdowns

(1) EMP Coordinating Committee gave the ok to fund drawdowns with EMP funds. This will be discussed in more detail at the Dec RRF.

(2) RRF requests the WLMTF initiate a project proposal/fact sheet for a specific pool to be presented to the FWWG for review then presented to RRF in Dec.

6. Water Level Management (DeZellar)

A. Handouts – Links to the handouts can be viewed by accessing the St. Paul Districts Environment web site ([Drawdown Reports](#)). Putting in for Chief's Award for the Water Level Management Program. It was suggested by Steve Tapp to update the tables in the reports to reflect current dredging results.

(1) Water Level Management Update, August 2007

(2) Summary of Results of the Pool 5 & 8 Drawdowns

(3) Upper Mississippi River Pool 8 Drawdown Report

B. Drawdowns

(1) Pool 6 - Scheduled for a minor drawdown in 2008 with a maximum of 1.0' at the dam and a maximum of 0.5' at the control point. There will be monitoring of vegetation, sediment and mussel mortality. There will be no advance main channel dredging. Recreation access dredging may be required. Need to update the Letter Report/Environmental Assessment and have a new FONSI signed by the DE. Completed the pool wide survey of mussels in Pool 6. Public meetings are scheduled for 25 Sep at Winona State and 26 Sep at Trempealeau Village Hall.

(2) Pool 9 – On hold for now.

(3) Pool 3 – Working on Fact Sheet. Many challenges, but looks feasible at this time.

7. Xcel Powerline Update (Lilley & Rasmussen) [Handout #79-2]

- Public meeting in Winona on 11 Sep. Discussed the Certificate of Need (CON).

8. Navigation & Ecosystem Sustainability Program (DeZellar)

A. Handouts were provided prior to the RRF meeting and discussed during the meeting.

B. WRDA - Passed both the House and the Senate.

C. FY 07 Work Plan - Economic Re-Evaluation Report

D. Institutional Arrangements – all RRF partners need to be involved with EMP/NESP integration.

9. Fish & Wildlife Work Group (Wege)

- White paper on the Environmental Impacts of Recreation Boating was discussed. Pursue GIS identification of areas of concern and use this information to educate the public.

10. Recreation Work Group (Otto)

A. Beach Plans

- (1) Pool 9 – Draft will be distributed to RWG members in Sep and plan to have endorsed at Dec RRF

- (2) Pool 10 – Hold OSIT with Friends of Pool 10

B. Boating Study

- 9 of 10 flights are completed with the last on Labor Day. Data will be compiled in Sep

11. Navigation Work Group (Machajewski)

- Mooring buoy near LD8 is not used by towing industry. Industry would prefer a cluster of pilings.
- The UMRBA added more flexibility to the language in NESP for mooring buoys. It now states “Construct mooring facilities at Locks 12, 14, 18, 20, 22, 24, and LaGrange Lock or other alternative locations that are economically and environmentally feasible.”

12. Pool 2 (Genz)

- The Nav Work Group is reviewing the options to reroute Freeborn in Pool 2. Dick Lambert will look into POC for pipelines.
- Partner initiative to look at Lower Pool 2 regarding dredging, sediment, and Spring Lake.
- TMDL group efforts – meeting 21 Sep in Farmington

Steve Tapp
Co-Chairman, RRF

Att:

Agenda

Attendance Sheet

#79-1 2007 Dredge Schedule/Channel Management and Placement Site Schedule

#79-2 Xcel Powerline

River Resources Forum #79

Tuesday, August 28, 2007 10:00 am – 4:00 pm
Wednesday, August 29, 2007 8:00 am - 12:00 pm
AmericInn, 150 Commerce Drive, Wabasha, MN

See page 2 for location and lodging information

Agenda

August 28, 2007

10:00 – 10:15	Introductions, Approve Minutes, Next Meetings & Locations - 4 & 5 Dec, MN Valley NWR, Bloomington, MN	Tapp/Benjamin
10:15 – 10:45	Agency Activities	All
10:45 – 11:30	I-35W Update	Tapp/Dentry
11:30 – 11:45	<i>Break</i>	
11:45 – 12:00	Channel Maintenance Program Activities	OP-CH
12:00 – 12:30	Environmental Management Program - Discuss EMP funding for drawdowns	Powell
12:30 – 1:00	Water Level Management Task Force Activities	DeZellar
1:00 – 1:45	<i>Lunch</i>	
1:45 – 2:00	Board vans at hotel for LD4 Embankment	
2:00 – 2:15	Drive to LD 4 Embankment	
2:15 – 2:40	Tour LD4 Embankment	
2:40 – 2:55	Drive to Eagle Center	
3:00 – 4:00	Eagle Center	

August 29, 2007

8:00 - 9:00	Xcel Energy Powerline Update	Rasmussen Lilley
9:00 – 10:00	Navigation & Ecosystem Sustainability Program (NESP)	DeZellar
10:00– 10:15	<i>Break</i>	
10:15 – 11:00	Fish & Wildlife Work Group Activities - Whitepaper on Impacts of Recreational Boat Traffic	Wege
11:00 – 11:15	Recreation Work Group Activities	Berg
11:15 – 11:30	Navigation Work Group Activities	Machajewski
11:30 – 12:00	Pool 2 Navigation Hazards	Genz

RIVER RESOURCE FORUM #79

28 & 29 August 2007

NAME	ORG	EMAIL	PHONE NO.
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Bliss Lilley		bliss.lilley@edaw.com	303-308-3585

ST. PAUL DISTRICT (MVP) - CORPUS OF ENGINEERS
2007 Dredging Schedule by Equipment

0830hrs 28 August 2007

Pool	Dredge Cut Name	River Mile	Dredging Dates	Depth & Est. Quantity	Equip.	Placement Site	Dredging Notice #	Job Order #	Cat. ^
Scheduled Dredging Jobs									
5A	** Betsy Slough	731.3-732.0	05/30-06/06	13 45,017	GTZ	5A-731.9-LWP	DN-07-02	07-02	R
5A	** Betsy Slough	731.0-731.1	06/07-06/08	13 7,216	GTZ	5A-730.5-LWT	DN-07-04	07-04	R
5A	** Wilds Bend	730.3-730.6	06/08-06/14	12 30,097	GTZ	5A-730.5-LWT	DN-07-04	07-04	R
5	** Fisher Island	745.0-745.3	06/18-06/21	12 24,765	GTZ	5-744.7-LWT	DN-07-05	07-05	R
5	** Mule Bend	748.5-748.9	06/22-06/27	12 15,759	GTZ	5-748.0-RMT	DN-07-07	07-06	R
5	** West Newton	747.8-748.3	06/27-07/02	12 16,982	GTZ	5-748.0-RMT	DN-07-06	07-07	R
4	** Reads Landing	762.6-762.8	07/05-07/10	12 20,268	GTZ	4-762.7-LWT	DN-07-09	07-09	R
4	** Crats Island	758.9-759.2	07/12-07/18	12 40,926	GTZ	4-759.3-LWT	DN-07-11	07-10	R
4	** Teepeeota Point	757.4-757.9	07/19-07/30	12 19,209	GTZ	4-757.5-LW	DN-07-12	07-11	R
8	** Above Brownsville	690.0-690.9	08/06-08/23	12 48,897	GTZ	8-690.4-LWT	DN-07-17	07-13	R
9	* Lansing Upper Light	664.1-664.8	08/28-08/30	12 20,268	GTZ	9-663.5-LWP	DN-07-19	07-18	I
10	McMillian Island Dredging For MVR	618.1-618.9	09/05-09/11	12 23,749	GTZ	10-618.7-RIT			R
7	** Lower Dresbach Island	703.2-703.6	04/10-05/03	12 6,107	GM	7-706.5-RMT	DN-07-01	07-01	I
CH									
7	** Lower Dresbach Island	703.1-703.6	06/08-07/02	12 31,455	CM1	7-714.1-LWP	DN-07-03	07-03	R
7	** Winters Landing	707.7-708.1	07/03-07/20	12 32,663	CM1	7-714.1-LWP	DN-07-08	07-08	R
MN	** Peterson's Bar	11.8-12.5	07/29-08/10	12 16,007	CM1	MN-12.1-RMP	DN-07-14	07-12	E
MN	** Cargill	12.6-12.8	08/10-08/14	12 7,939	CM1	MN-12.1-RMP	DN-07-16	07-14	E
MN	** Abv. Savage RR BR.	14.6-14.7	08/15-08/20	12 8,912	CM1	MN-12.1-RMP	DN-07-15	07-16	E
2	** Boulanger Bend LL	820.0-820.2	08/22-08/28	12 11,130	CM1	2-821.5-LMT	DN-07-21	07-17	R
2	* Freeborn Island	818.4-818.8	08/28-09/07	12 19,747	CM1	2-821.5-LMT	DN-07-20	07-19	R
MN	Peterson's Bar	12.1-12.3	09/11-09/14	12 5,500	CM1	MN-12.1-RMP	DN-07-14A		R
3	Coulters Island	801.6-802.0	09/17-09/21	12 17,592	CM1	3-799.2-RMT	DN-07-13		I
4	Beef Slough	753.9-754.3	09/24-09/26	12 3,681	CM1	4-754.0-LWP			R
8	Head of Raft Channel	688.0-688.1	09/27-10/01	12 3,097	CM1	8-688.7-RMP			R
8	Deadmans Slough	686.5-687.5	10/02-10/10	12 18,048	CM1	8-688.7-RMP			R
9	Indian Camp Light	665.5-665.8	10/15-10/18	12 8,483	CM1	9-663.5-LWP			I
4	Teepeeota Point Ex	757.5	09/17-	12 75,000	CM2	LD4 Embankmn			
4	* Red Wing SBH	791.1-791.2	8/20-10/31	6 21,000	CM3	4-791.6-RMP	DN-07-18	07-15	R
* Currently operating at this job. ** Dredging has been completed.									
Total quantities scheduled by equipment:									
Government Hydraulic - GOETZ (GTZ) =				313,153					
Government Hydraulic - DUBUQUE (DUBQ) =				0	Scheduled	578,514			
Government Mechanical - HAUSER/WADE (GM) =				6,107	Unscheduled	335,424			
Contract Hydraulic - (CH) =				0	TOTAL	913,938			
Contract Mechanical - (CM1) =				259,254					
Contract Mechanical - (CM2) =				0					
Contract Mechanical - (CM3) =				21,000					
Total Scheduled Dredging Quantities =				578,514					
E = Emergency I = Imminent Closure R = Routine Dredging									
Potential Jobs That Have Not Been Scheduled									
USAF	Turning Basin	856.5-857.2		12 9,117	CM	U-856.6-RMP			I
USAF	Above Lowry Ave. Br.	856.4-856.6		12 11,103	CM	U-856.6-RMP			R
1	Above Franklin Ave. Br.	851.5-852.1		12 16,647	CM	1-853.2-LMP			I
1	Below Franklin Ave. Br.	850.8-851.2		12 18,115	CM	1-853.2-LMP			R
1	Above Lake Street Br.	850.0-850.4		12 26,256	CM	1-853.2-LMP			I
1	Below Lake Street Br.	848.7-849.3		12 21,825	CM	1-853.2-LMP			I
1	Upper Approach L/D1	848.1-848.3		12 6,039	CM	1-853.2-LMP			R
2	Grey Cloud Landing	822.7-822.9		12 13,400	GTZ	2-823.8-LMT			R
2	Grey Cloud Slough	827.5-827.7		12 10,000	CM	Island 112			R
2	Boulanger Bend	820.6-820.9		12 13,159	GTZ	2-821.1-LMT			R
3	Morgans's Coulee	802.2-802.4		12 11,461	CM	3-799.2-RMT			R
3	Diamond Bluff	800.4-800.6		12 9,434	CM	3-799.2-RMT			R
4	Trenton	794.3-794.6		12 12,074	CM	4-791.6-RMP			R
4	Cannon River	793.7-793.9		12 2,087	CM	4-791.6-RMP			R
4	Red Wing	791.2-791.7		12 15,927	CM	4-791.6-RMP			R
4	Red Wing Hwy. Br.	790.8-791.0		12 7,823	CM	4-791.6-RMP			R
4	Head of Lake Pepin	784.2 - 785.5		12 90,928	CM	4-791.6-RMP			R
6	Gravel Point	722.8-723.1		12 5,895	CM	6-720.5-RMP			R
6	Below Winona RR Bridge	723.5-723.7		12 7,137	CM	6-720.5-RMP			R
8	LaCrosse	698.6-698.7		12 1,914	CM	8-695.7-LWP			R
8	Behind Pool 8 Island 116	690.2-690.3		4.5 200	GM	8-687.7-RMP	DN-07-10		R
10	Mississippi Gardens	642.9-643.4		12 24,883	CM	10-642.4-LWP			R
Total quantity for jobs that have not been scheduled =				335,424					

St. Paul District - Corps of Engineers

2007 Channel Management & Placement Site Activities Schedule

Updated: 27 August 2007 11:00 am

Pool(s)	Status	Job Name/Desc.	Work Type (see Key)	River Mile(s)	Work Dates	Approximate Construction Time	Equip	Cubic Yards Dredged	Rock (Tons)	Comments/Job Notes
Scheduled Channel Management Activities										
8		Pool 8 Is. 116 - Dredging Behind Closure Structure	DR	690.2R	Sep	1 day	MR	200		Dredge sand plug from behind structure. OSIT held 5/30/07.
Potential Channel Management Activities										
2		Sand Berm along Is. 112 (LP2 CMS)	DR/RE	827.5R	2007		MR			Material from Grey Cloud Slough cuts.
2		Secondary Channel (LP2 CMS)	EX	826.7R	2008		MR	5,000		Pending Design, MnDNR permits. Work funded via NESP.
2		Notch 31 Wing Dams (LP2 CMS)	EX	NA	2008		MR	11,000		Pending Design, MnDNR permits. Work funded via NESP.
8		Crosby Slough Protection (P8 CMS)	CU/BS	690.3L	2008	1 week	MR		1,000	OSIT held 5/30/07. Design pending.
8		Raise & Extend 3 Wing Dams (P8 CMS)	WD	690.2L	2008	1 week	MR		1,500	OSIT held 5/30/07. Design pending.
Scheduled Placement Site Activities										
4		Tepeeota Island	EX	757.5	2007		CT			Mechanical contractor will unload material for LD 4 Embankment (Plant 2).
4	**	Alma Marina P.S.	LS, SM	754.0L	21 June		MR			Install boulders along fence during LD 4 embankment job.
4	**	Alma Marina P.S.	LS, SM	754.0L	11 July		MR			Update landscaping by placing mulch around trees.
7	**	Dredging Lower Dresbach Island	DR	703.4	10 Apr - 2 May	3 weeks	MR	6,100		Material placed at Dakota Island and used as a closure.
8	*	Above Brownsville	EX	690.4	2007-2009		MR			Unload material for Pool 8 Ph III Stg 2A contract.
8	*	Brownsville	LS, IN	688.7R	Oct 2007		MR/CT			Landscaping. Install Kiosk.
9	**	Lansing Hwy Bridge	RE, LS, SM	663.5	2007		MR/CH/CT			Reshape site for better access to beneficial use material. Update Kiosk info. Landscaping.
10	**	Heitman Property	LS	618	July 2007		CT			Remove dead/dying cottonwood trees.
Potential Placement Site Activities										
MN		Cargill East River	RE	14.1	2008	4 weeks	MR			Build berms and prepare the site for dredged material placement
2		Pine Bend	RE	823.8L	2008		MR			Expand to CMMP limits.
4		Red Wing Commercial Harbor	IN	791.6	2009		MR			Relocate placement site according to the cities overall plan.
4		Wabasha Gravel Pit	RE	761.0R	2008		CT			HTRW review and railroad tie removal.
4		Reads Landing	BS	762.7L	2009		CT	2200		Public review of EA complete; sign FONSI after OSIT. WDNR permits
4		Crats Island	BS	759.3L	2009		CT/MR	3000		Public review of EA complete; sign FONSI after OSIT. WDNR permits
4		Tepeeota Island	BS	757.5L	2008		MR	3500		Public review of EA complete; sign FONSI after OSIT. WDNR permits
4		Tepeeota Island	EX	757.5L	2008		CT			Contract to unload material to Bennett Pit in Wabasha, MN.
5		West Newton Chute	RE, SM	749.8	Sep	1 week	MR/CT			Build beneficial use pile. Install kiosk.
5		Fisher Island	EX	745.8R	2008		CT			Contract to unload dredge material.
5A		Fountain City	SM	731.9	2007		CH			Update Kiosk info
8		Above Brownsville	EX	690.4	2008		CT			Unload material for Pool 8 Ph III Stg 2B contract.
10		Buck Creek	LS, IN	618	2007		MR			Install Kiosk. Install berm signs.
Other Scheduled M&R Work										
4	**	LD 4 Embankment Rock Work	BS	752.8	14 May - 28 June	6 weeks	MR			Add rock to embankment.
8	*	Pool 8 Ph III Stg 2 EMP	IS	687R	9 Jul - Sep		MR			Building seed islands for EMP.

Key

* Currently operating at this job.	BS Bank Stabilization	CH Contract Hydraulic
** Work has been completed.	CL Closure	CM Contract Mechanical
WS Work Suspended	DR Dredging	CT Contract or Purchase Order
CMS Channel Management Study	DS Drop Structure	DUBQ COE Dredge Dubuque
WC Work Canceled	EX Excavation	MR COE Maintenance & Repair Unit
	FB Fabrication	GTZ COE Dredge Goetz
	IN Installation	IaDNR Iowa Department of Natural Resources
	IS Island	MnDNR Minnesota Department of Natural Resources
	LS Landscaping	WIDNR Wisconsin Department of Natural Resources
	RE Reshaping	NRM COE Natural Resource Management Project Office
	WD Wing Dam	/// Italicized numbers are estimates.
	SM Structure Modification	

CapX
 Building Electric Transmission We All Will Rely On



Twin Cities – North Rochester – North La Crosse 345 kV Transmission Line

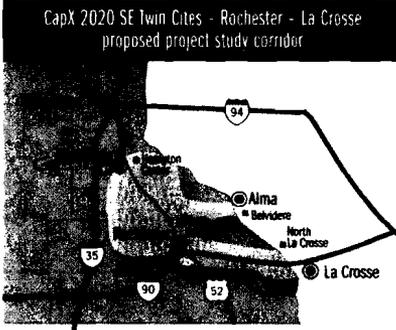
Public Outreach, Notice & Siting Processes

CapX 2020 2007

CapX S.E. Twin Cities–Rochester- La Crosse

PROJECT NEED

- Improves reliability for south metro Twin Cities, Rochester and La Crosse areas
- Improves access to generation in south and east
- 120-150 Miles long
- 345 kilovolt design
- Proposed in-service: 2012-2014



*The shaded areas are potential corridors for the proposed line.

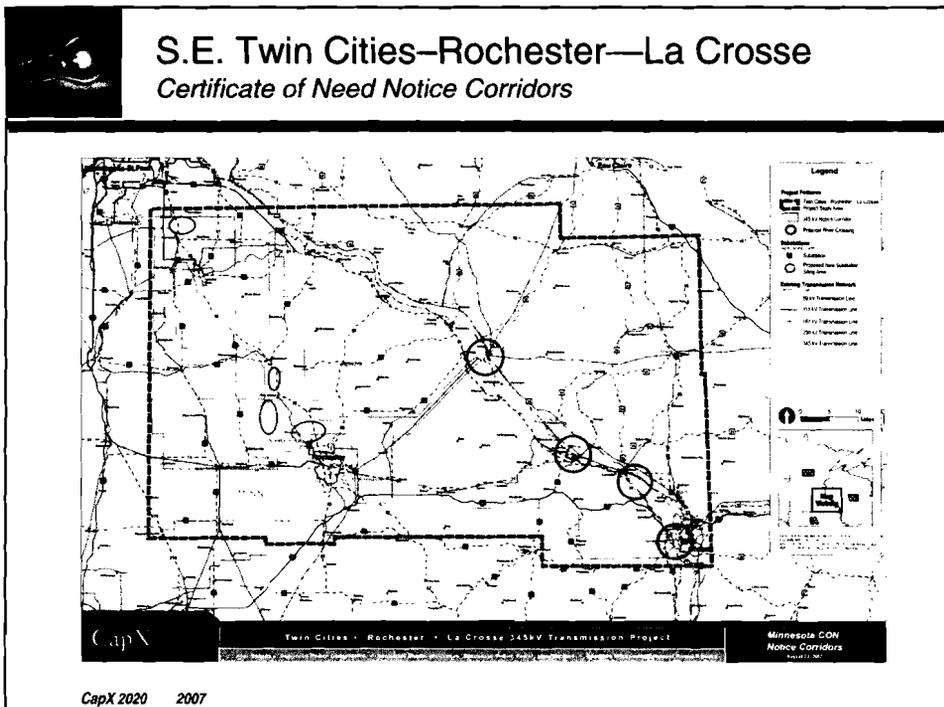
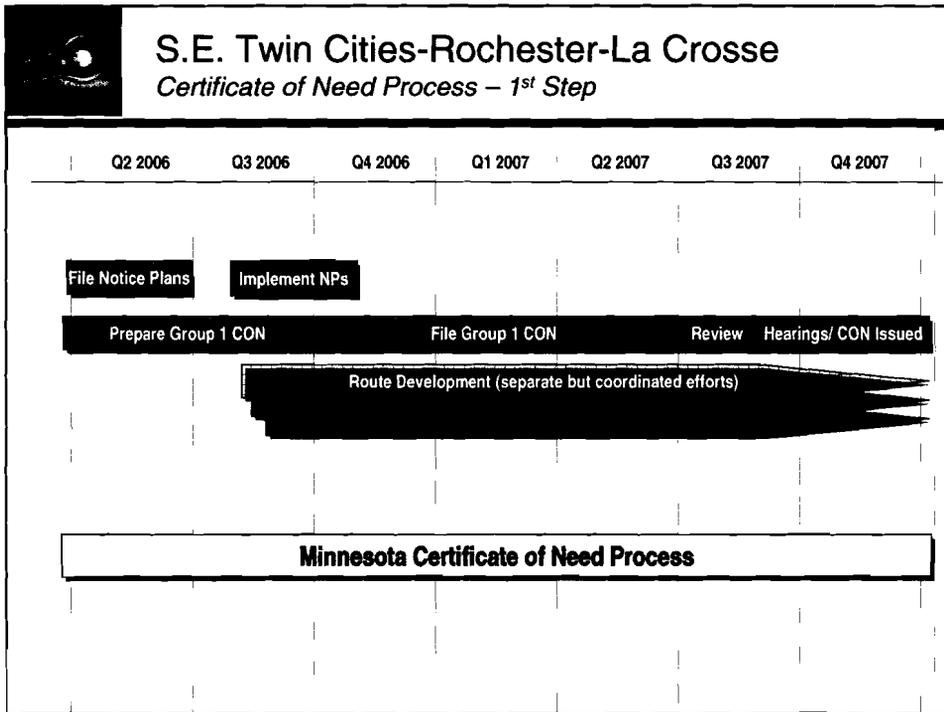
Participating CapX 2020 utilities in the La Crosse project:

- Oakland Power Cooperative
- Rochester Electric Utility
- Southern Minnesota Municipal Power Agency
- Wisconsin Gas Service
- Xcel Energy

Proposed Substations:

- Belvidere
- North La Crosse
- North Rochester

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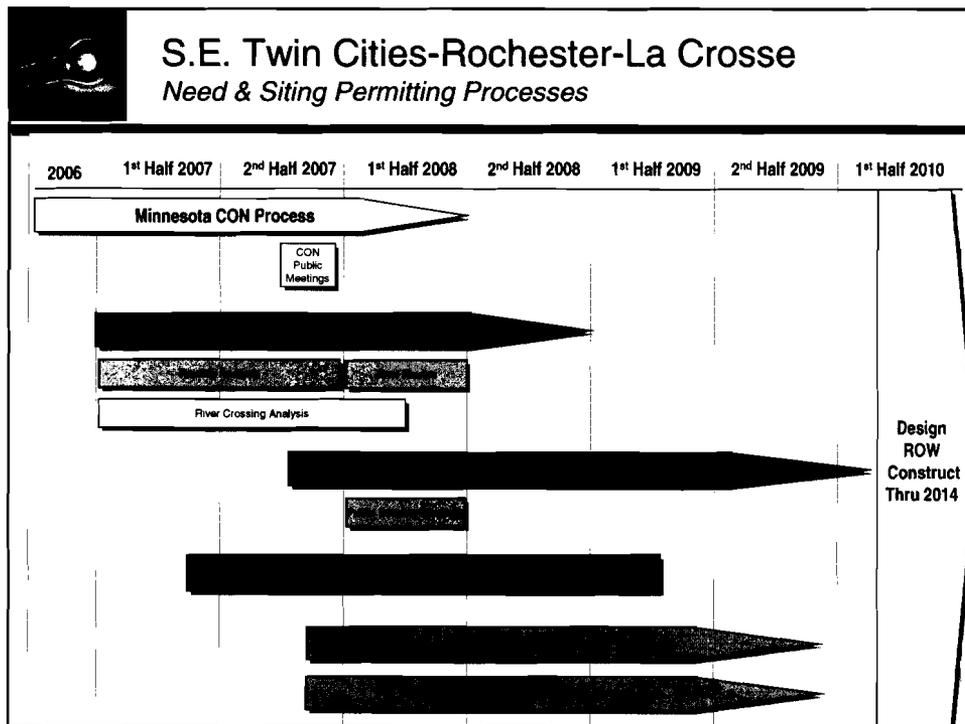


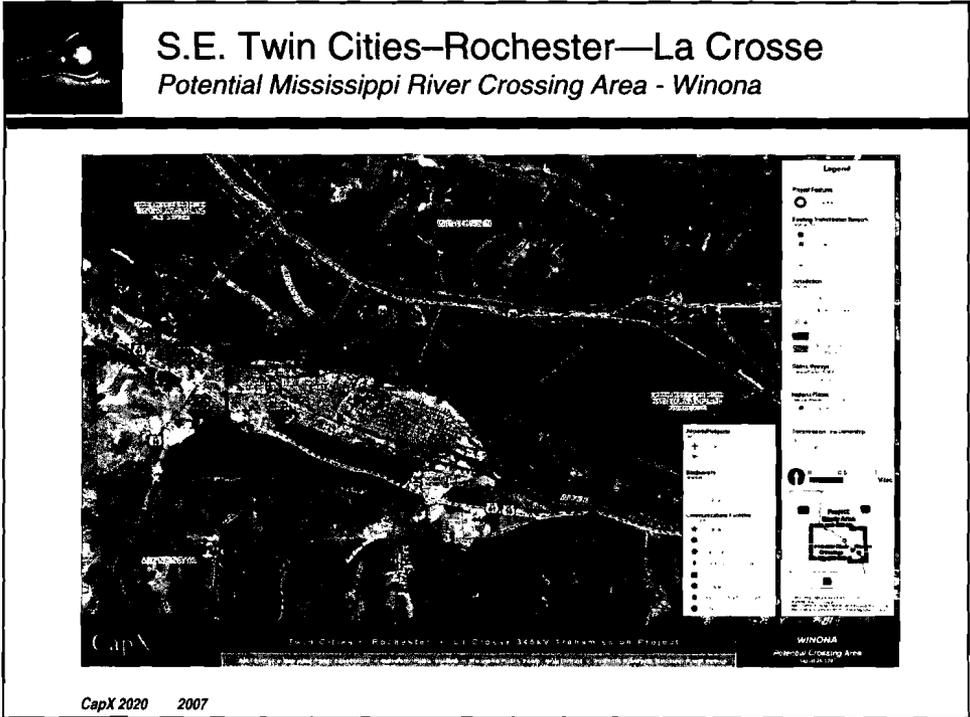
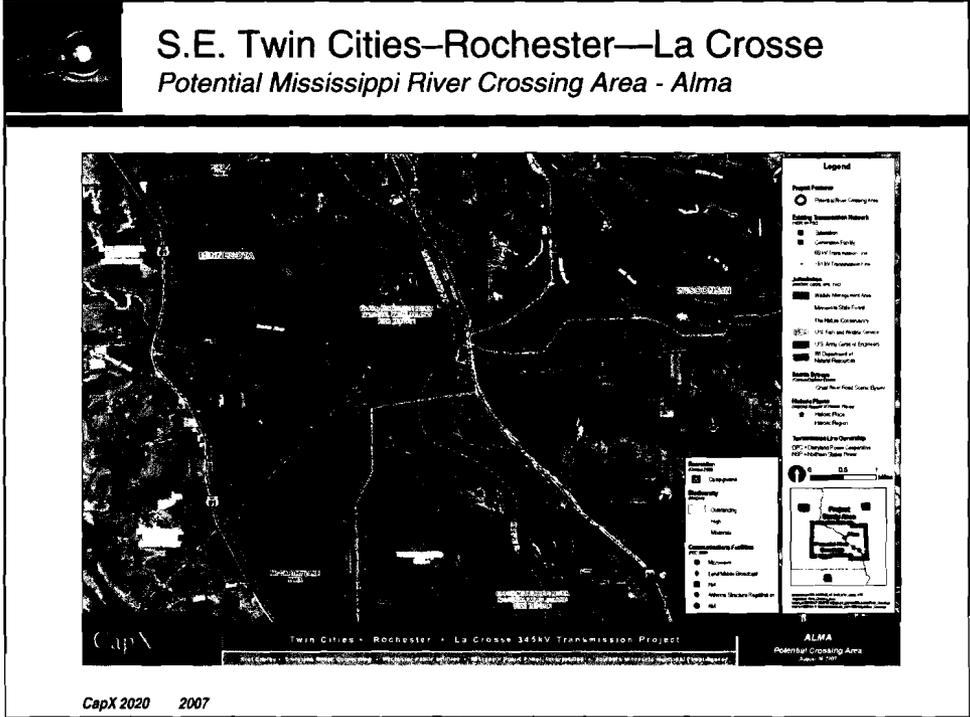
S.E. Twin Cities-Rochester-La Crosse

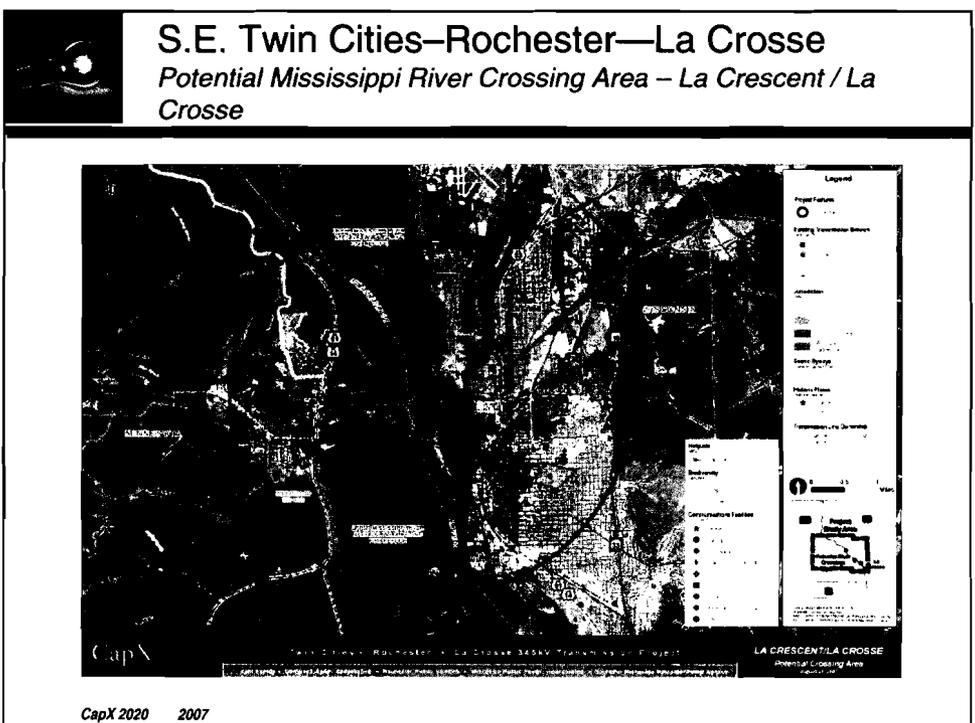
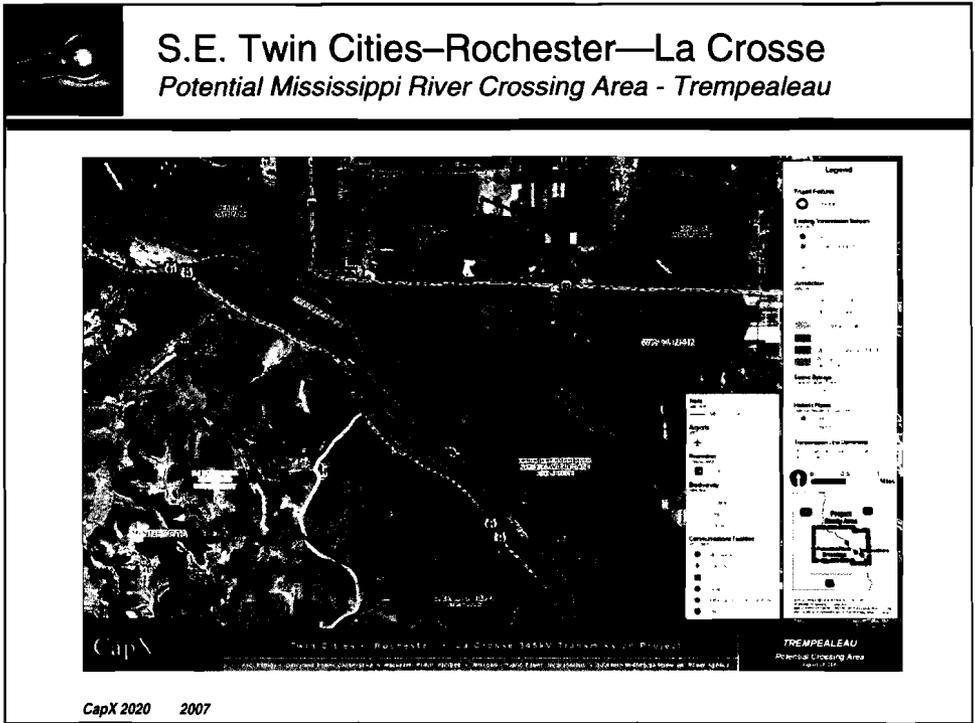
Permitting and Routing

- Minnesota Public Utilities Commission
 - Certificate of Need (CON)
 - Route Permit
- Wisconsin Public Service Commission
 - Certificate of Public Convenience & Necessity (CPCN)
 - Need and Routing Combined
 - Joint process with Wisconsin Dept. of Natural Resources
- Federal permits
 - Rural Utilities Service
 - Corps of Engineers
 - U.S. Fish & Wildlife Service (if line crosses lands)
 - Tribal approvals (if line crosses lands)
- Process to coordinate reviews will be developed with all major agencies
- Timeline: 2007 through 2010

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S.E. Twin Cities—Rochester—La Crosse
Next Steps

- **CON Project Information Meetings**
 - Winona, Sept. 11th
 - Rochester, Sept. 12th
 - Wabasha, Sept. 13th
 - Red Wing, Sept. 25th
 - Northfield, Sept. 26th
 - Lakeville, Sept. 27th
- **Collect public input on the CON notice corridors**
- **Refine siting criteria based on public input**

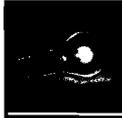
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S.E. Twin Cities—Rochester—La Crosse
Mississippi River Siting

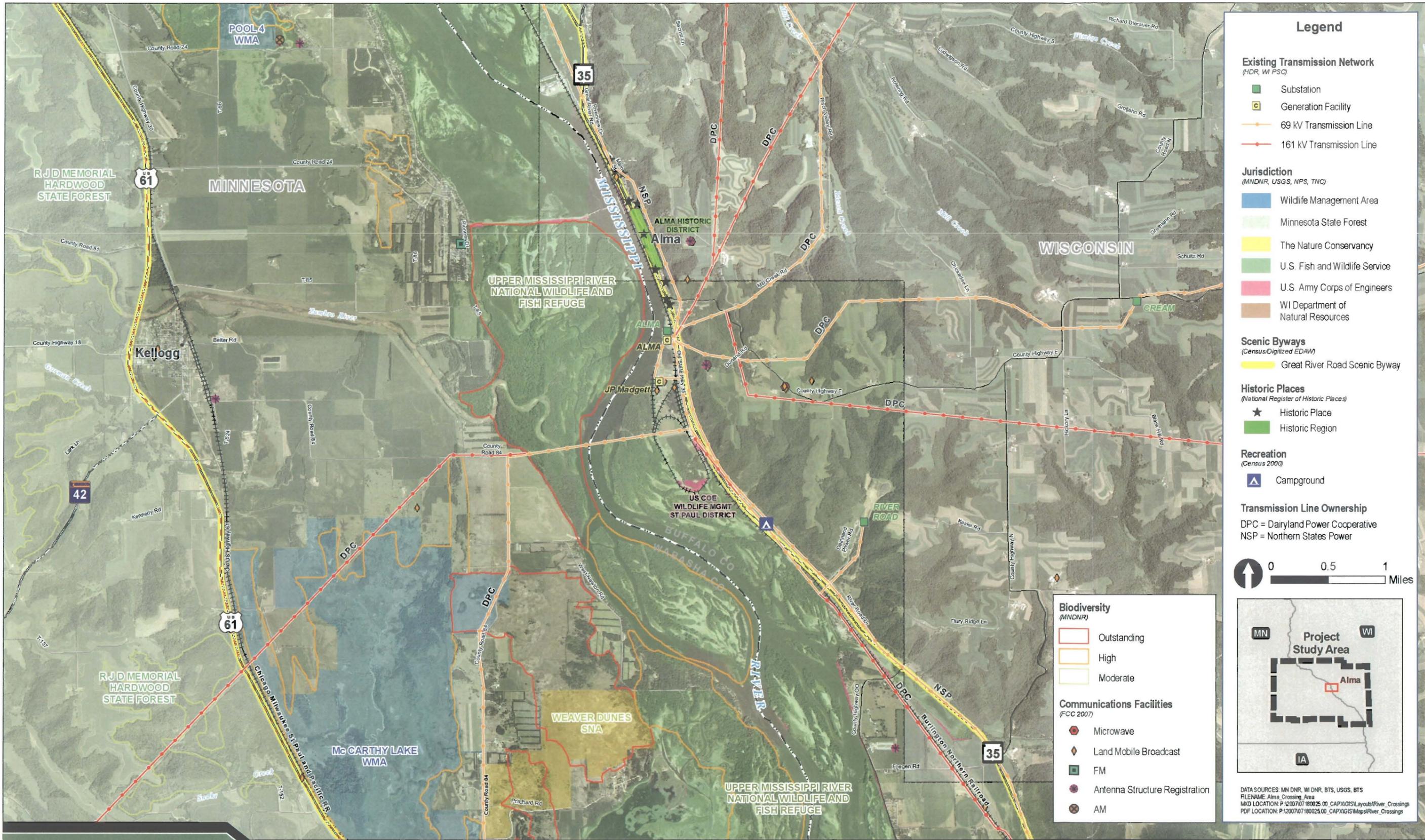
- **River Crossing Analysis**
 - Attend River Resources Forum
 - Obtain member input
 - Collect additional data such as River Management Plans, Bluff Impact Zones, Shore Impact Zones, TES, etc.
 - Conduct macro corridor study to verify potential river crossing areas
 - Aerial and river surveys of crossing areas
 - Schedule small group/stakeholder meetings for river crossing areas
 - Develop alternative routes at crossings
 - Comparative analysis for potential routes
 - Identify preferred and alternative route selection with associated river crossing(s)

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S.E. Twin Cities—Rochester—La Crosse
Agency/Tribal Coordination – Federal & State Processes

- Please provide contact information for agency personnel
- Direct Xcel and the CapX Partners to relevant resource issues and management plans
- Visit www.capx2020.com for additional information
- Attend CON Project Information Meetings in September
- Participate in upcoming joint-interagency coordination
- Continue involvement throughout the state permitting and NEPA processes



Legend

Existing Transmission Network
(HDR, WI PSC)

- Substation
- Generation Facility
- 69 kV Transmission Line
- 161 kV Transmission Line

Jurisdiction
(MNDNR, USGS, NPS, TNIC)

- Wildlife Management Area
- Minnesota State Forest
- The Nature Conservancy
- U.S. Fish and Wildlife Service
- U.S. Army Corps of Engineers
- WI Department of Natural Resources

Scenic Byways
(Census/Digitized EDAM)

- Great River Road Scenic Byway

Historic Places
(National Register of Historic Places)

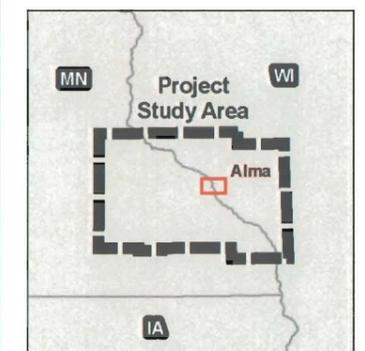
- Historic Place
- Historic Region

Recreation
(Census 2000)

- Campground

Transmission Line Ownership

- DPC = Dairyland Power Cooperative
- NSP = Northern States Power



Biodiversity
(MNDNR)

- Outstanding
- High
- Moderate

Communications Facilities
(FCC 2007)

- Microwave
- Land Mobile Broadcast
- FM
- Antenna Structure Registration
- AM

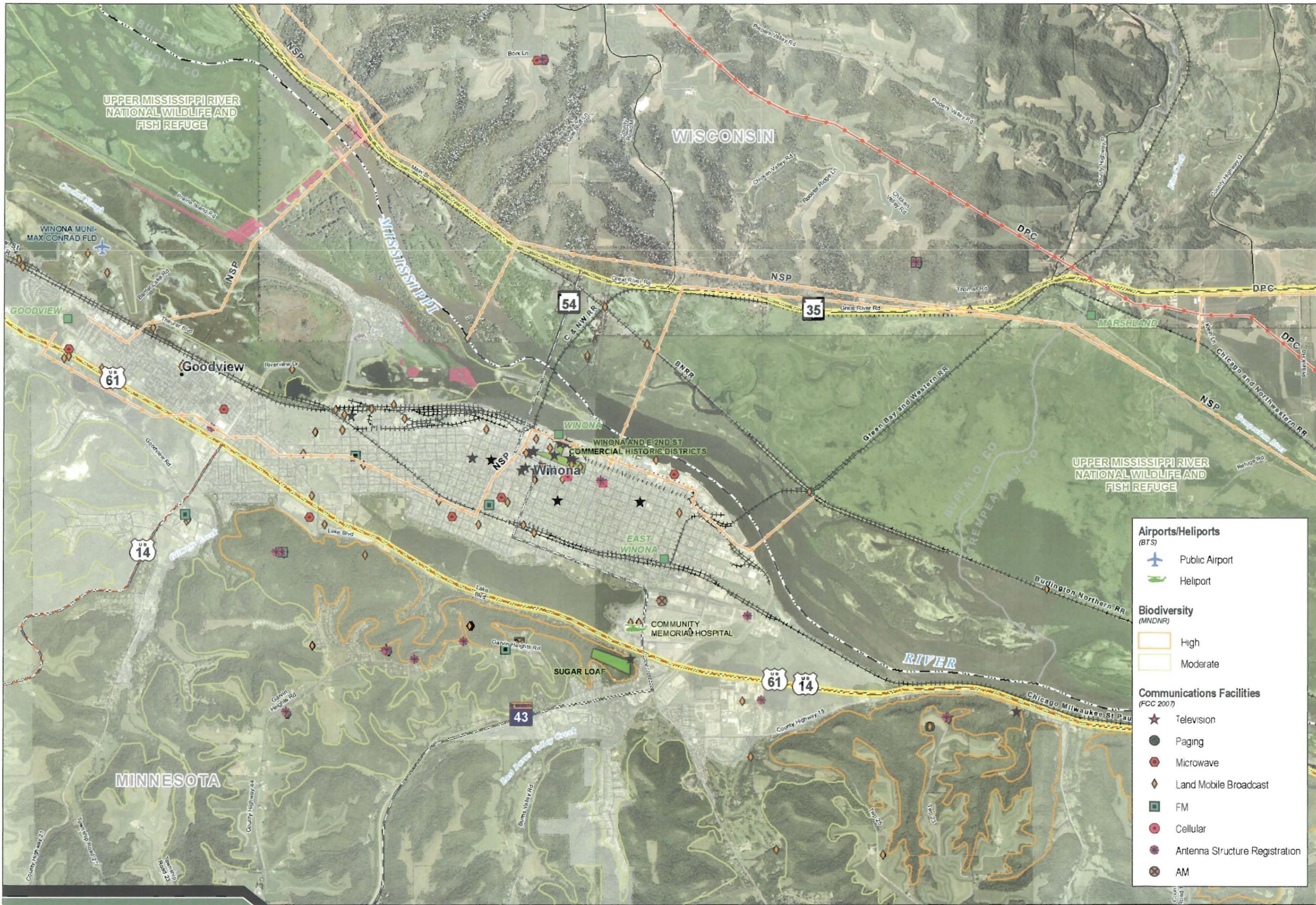
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Xcel Energy • Dairyland Power Cooperative • Rochester Public Utilities • Wisconsin Public Power, Incorporated • Southern Minnesota Municipal Power Agency

ALMA
 Potential Crossing Area
 August 20, 2007



Legend

- Existing Transmission Network**
(HDR, WI, PSG)
- Substation
 - Generation Facility
 - 69 kV Transmission Line
 - 161 kV Transmission Line

- Jurisdiction**
(MNDNR, USGS, NPS, TNC)
- Municipal Boundary
 - Minnesota State Forest
 - U.S. Fish and Wildlife Service
 - U.S. Army Corps of Engineers
 - WI Department of Natural Resources

- Scenic Byways**
(Census/Digitized ED/AW)
- Great River Road Scenic Byway

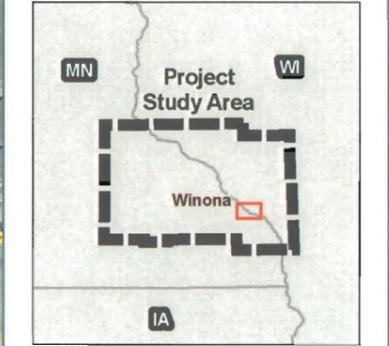
- Historic Places**
(National Register of Historic Places)
- Historic Place
 - Historic Region

- Airports/Heliports**
(BTS)
- Public Airport
 - Heliport

- Biodiversity**
(MNDNR)
- High
 - Moderate

- Communications Facilities**
(FCC 2007)
- Television
 - Paging
 - Microwave
 - Land Mobile Broadcast
 - FM
 - Cellular
 - Antenna Structure Registration
 - AM

- Transmission Line Ownership**
DPC = Dairyland Power Cooperative
NSP = Northern States Power



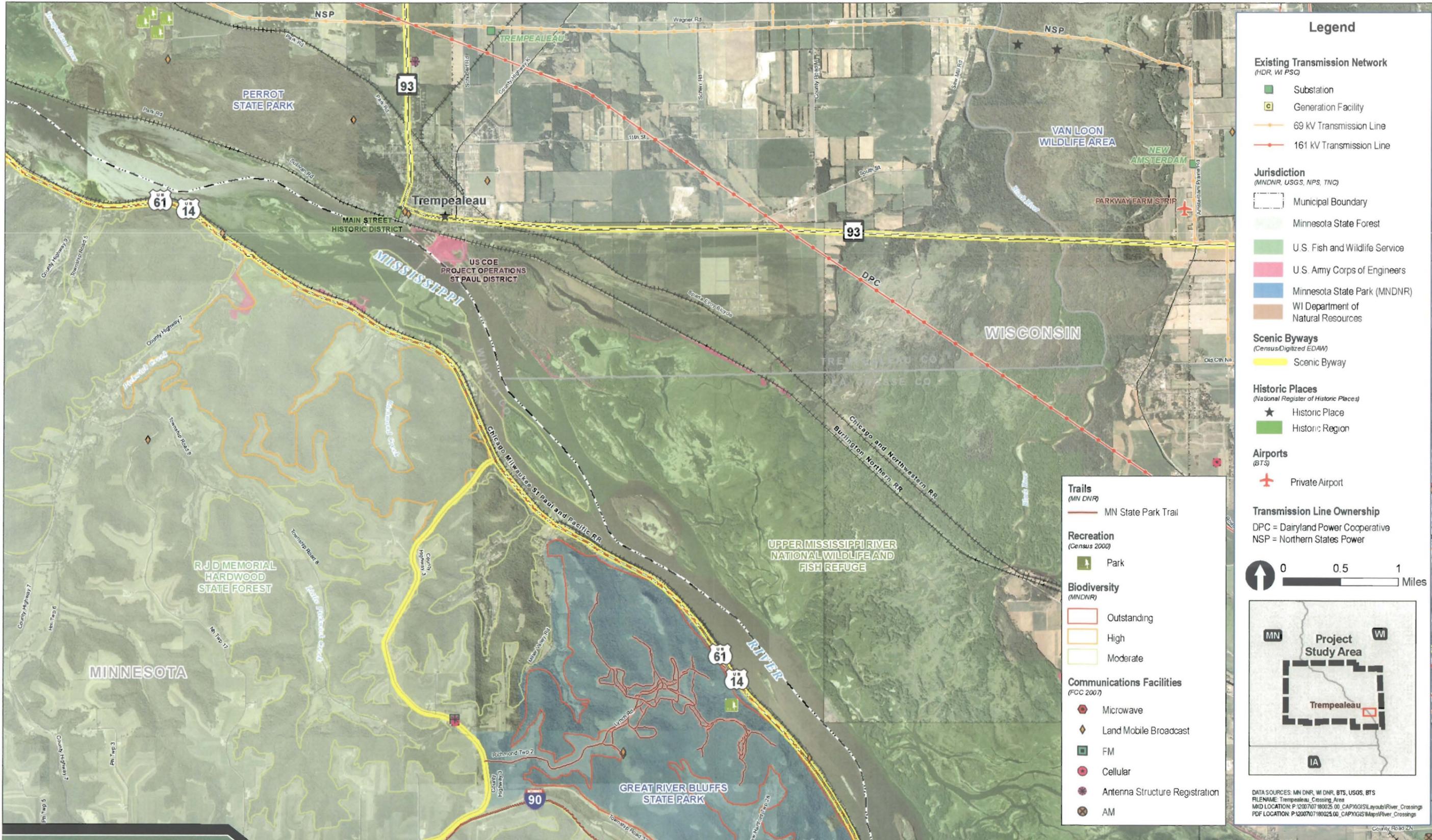
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WINONA
 Potential Crossing Area
 August 20, 2007



Legend

Existing Transmission Network
(HDR, WI PSC)

- Substation
- Generation Facility
- 69 kV Transmission Line
- 161 kV Transmission Line

Jurisdiction
(MNDNR, USGS, NPS, TWQ)

- Municipal Boundary
- Minnesota State Forest
- U.S. Fish and Wildlife Service
- U.S. Army Corps of Engineers
- Minnesota State Park (MNDNR)
- WI Department of Natural Resources

Scenic Byways
(Census/Digitized EDAW)

- Scenic Byway

Historic Places
(National Register of Historic Places)

- Historic Place
- Historic Region

Airports
(BTS)

- Private Airport

Transmission Line Ownership
DPC = Dairyland Power Cooperative
NSP = Northern States Power

Trails
(MN DNR)

- MN State Park Trail

Recreation
(Census 2000)

- Park

Biodiversity
(MNDNR)

- Outstanding
- High
- Moderate

Communications Facilities
(FCC 2007)

- Microwave
- Land Mobile Broadcast
- FM
- Cellular
- Antenna Structure Registration
- AM

0 0.5 1 Miles

Project Study Area

MN WI IA

Trempealeau

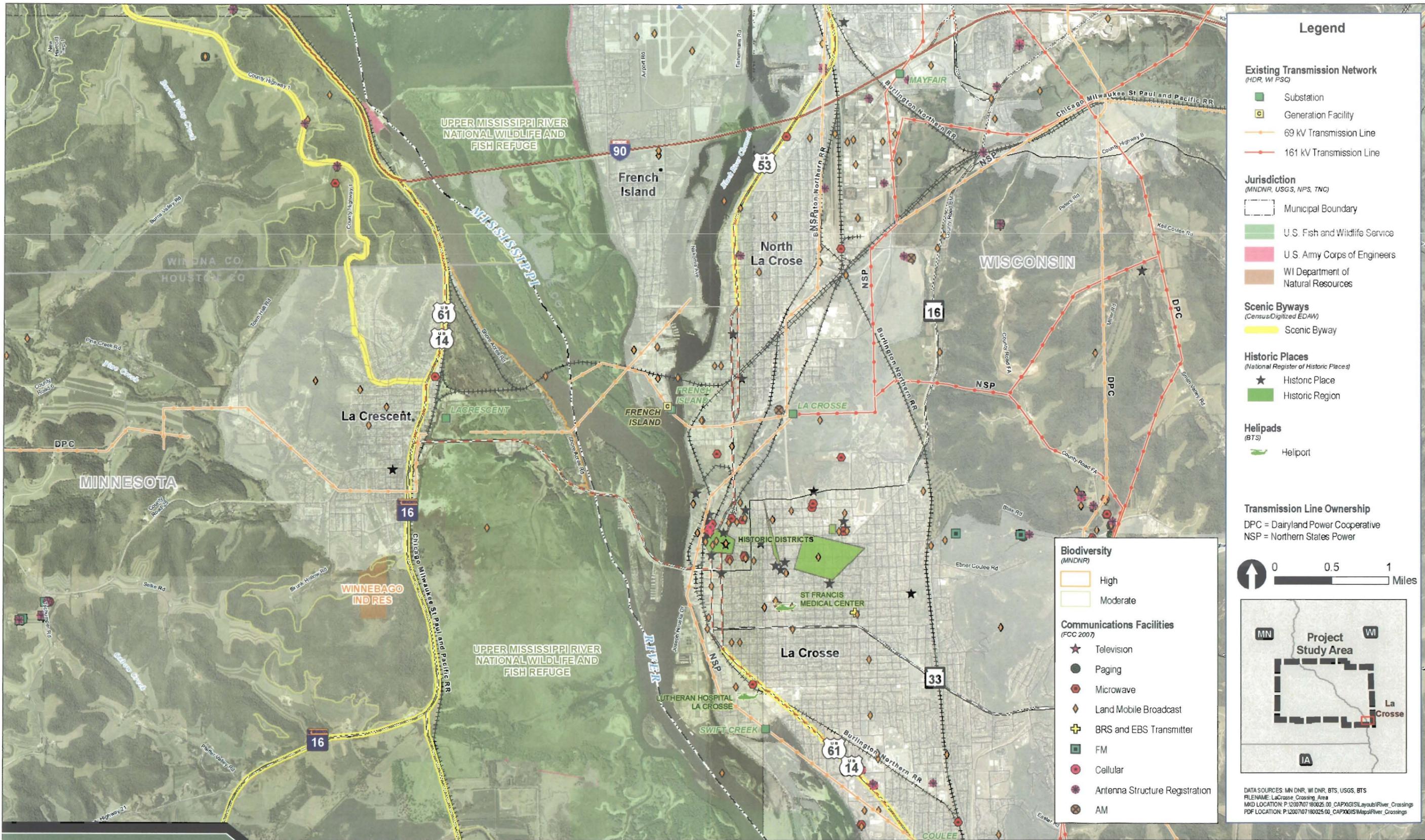
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TREMPEALEAU
Potential Crossing Area
August 20, 2007

Xcel Energy • Dairyland Power Cooperative • Rochester Public Utilities • Wisconsin Public Power, Incorporated • Southern Minnesota Municipal Power Agency



Legend

Existing Transmission Network
(HDR, WI PSC)

- Substation
- Generation Facility
- 69 kV Transmission Line
- 161 kV Transmission Line

Jurisdiction
(MNDNR, USGS, NPS, TNC)

- Municipal Boundary
- U.S. Fish and Wildlife Service
- U.S. Army Corps of Engineers
- WI Department of Natural Resources

Scenic Byways
(Census/Digitized EDAW)

- Scenic Byway

Historic Places
(National Register of Historic Places)

- Historic Place
- Historic Region

Helipads
(BTS)

- Helipad

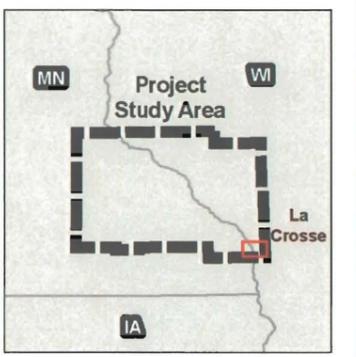
Transmission Line Ownership
DPC = Dairyland Power Cooperative
NSP = Northern States Power

Biodiversity
(MNDNR)

- High
- Moderate

Communications Facilities
(FCC 2007)

- Television
- Paging
- Microwave
- Land Mobile Broadcast
- BRS and EBS Transmitter
- FM
- Cellular
- Antenna Structure Registration
- AM



DATA SOURCES: MN DNR, WI DNR, BTS, USGS, BTS
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Twin Cities • Rochester • La Crosse 345kV Transmission Project

LA CRESCENT/LA CROSSE
 Potential Crossing Area
 August 20, 2007

Xcel Energy • Dairyland Power Cooperative • Rochester Public Utilities • Wisconsin Public Power, Incorporated • Southern Minnesota Municipal Power Agency