

Produced by the United States Geological Survey  
 Topography compiled 1953. Planimetry derived from imagery taken 1991 and other sources. Photos inspected using imagery dated 1997; no major culture or drainage changes observed. PLSS and survey control current as of 1958. Boundaries, other than corporate, revised 1999  
 North American Datum of 1927 (NAD 27). Projection and 10 000-foot ticks: Minnesota coordinate system, south zone (Lambert conformal conic)  
 1000-meter Universal Transverse Mercator grid, zone 15  
 North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map  
 Information shown in purple may not meet USGS content standards and may conflict with previously mapped contours

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

UTM GRID AND 1999 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

ROAD CLASSIFICATION

- Primary highway hard surface
- Light-duty road, hard or improved surface
- Secondary highway hard surface
- Unimproved road

Interstate Route U.S. Route State Route

QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	9

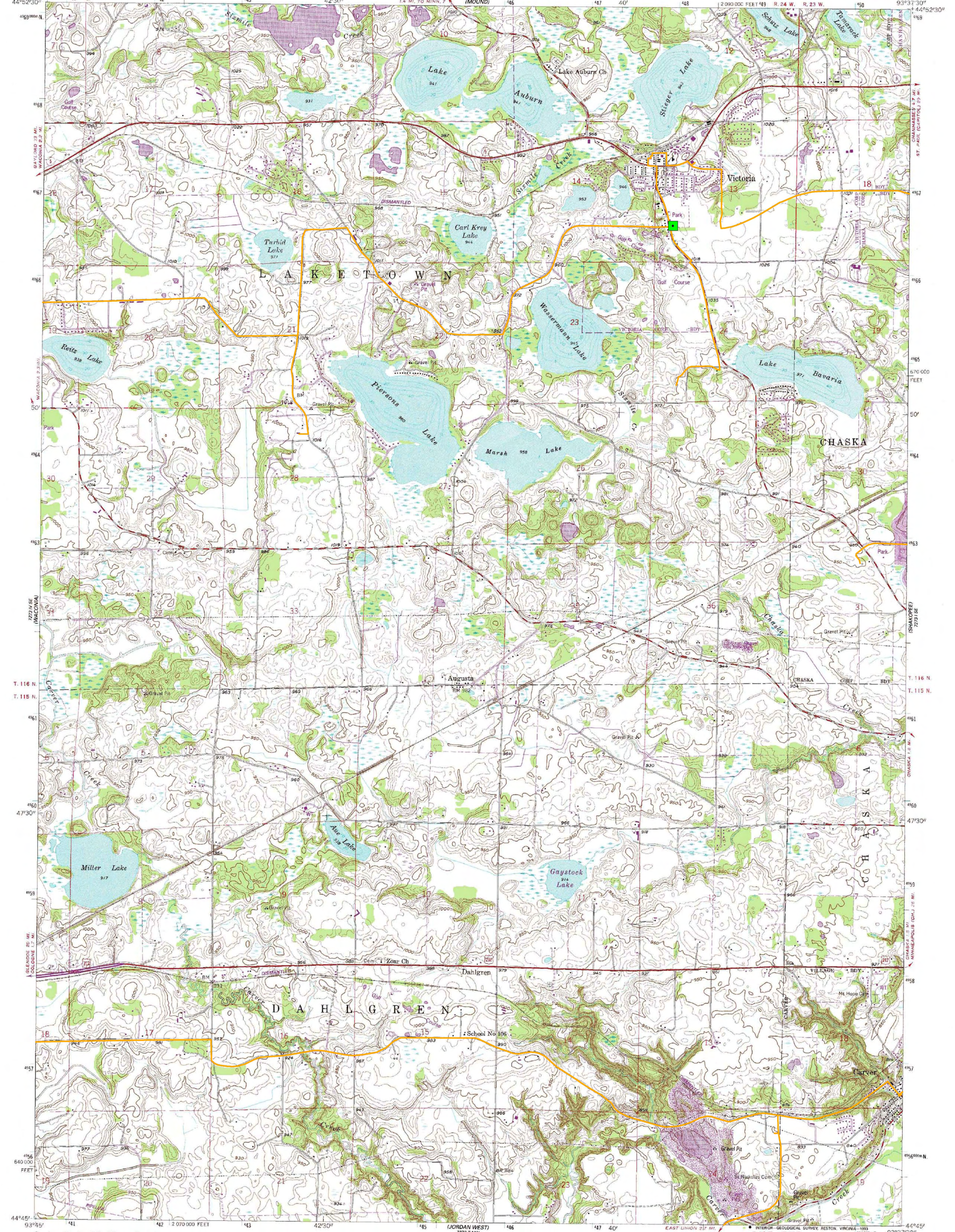
1 Rockford  
 2 Hamel  
 3 Osseo  
 4 Mound  
 5 Hopkins  
 6 Victoria  
 7 Shakopee  
 8 Eden Prairie

ADJOINING 7.5' QUADRANGLE NAMES

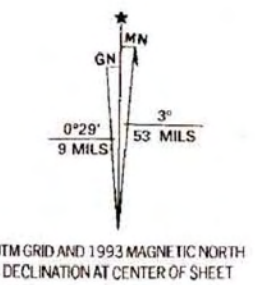
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
 FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

EXCELSIOR, MN  
 1997  
 NIMA 72731 NE-SERIES V872

ISBN 0-607-91725-3  
 9 780607 917253



Produced by the United States Geological Survey  
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Topography by photogrammetric methods from aerial photographs taken 1953. Field checked 1958. Map edited 1958.  
Hydrography compiled from information furnished by Minnesota Department of Natural Resources  
Projection and 10,000-foot grid ticks: Minnesota coordinate system, south zone (Lambert conformal conic)  
1000 meter Universal Transverse Mercator grid ticks, zone 15, shown in blue 1927 North American Datum (NAD 27)  
North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are given in USGS Bulletin 1875  
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SCALE 1:24,000  
CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

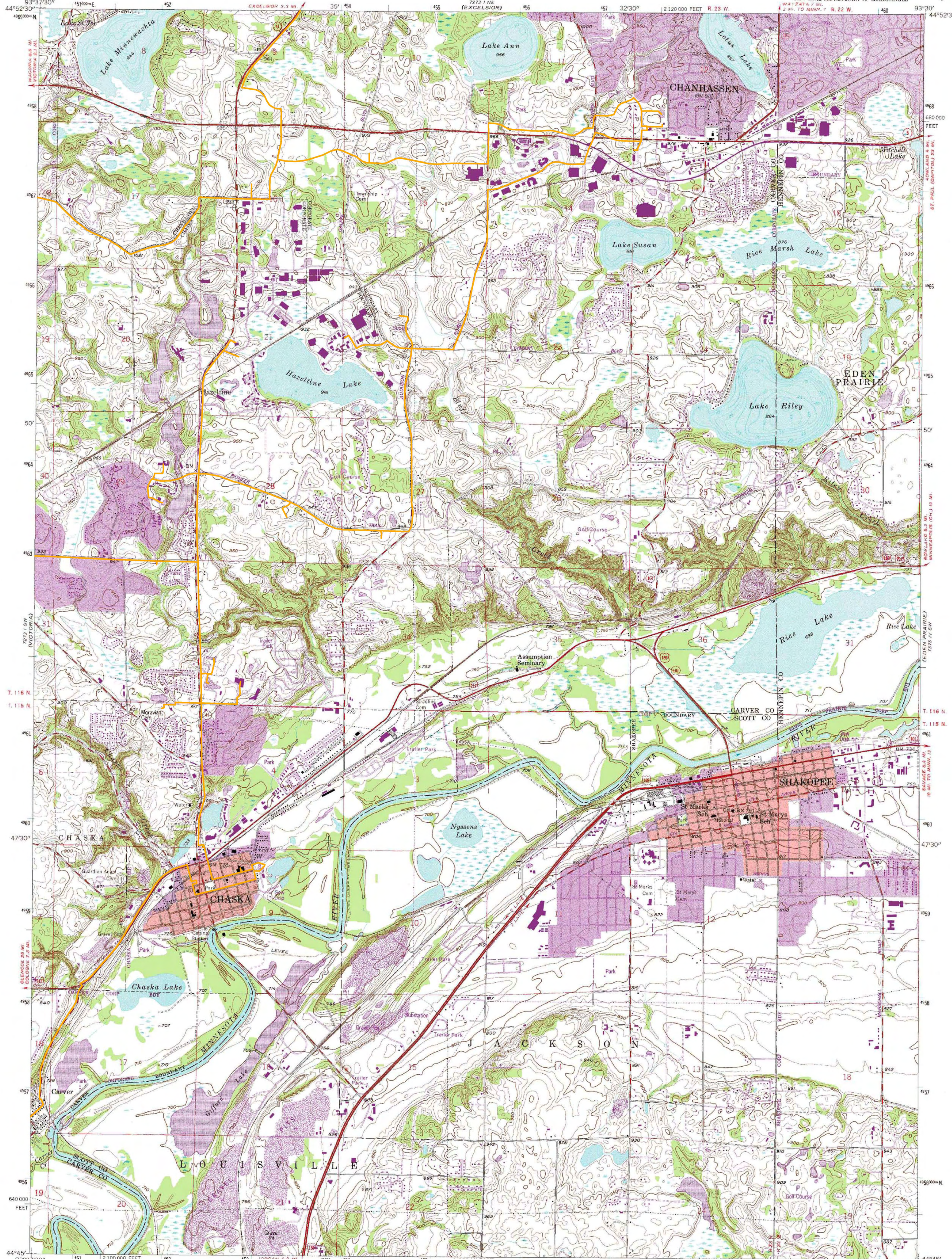
ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
U. S. Route ——— State Route ———



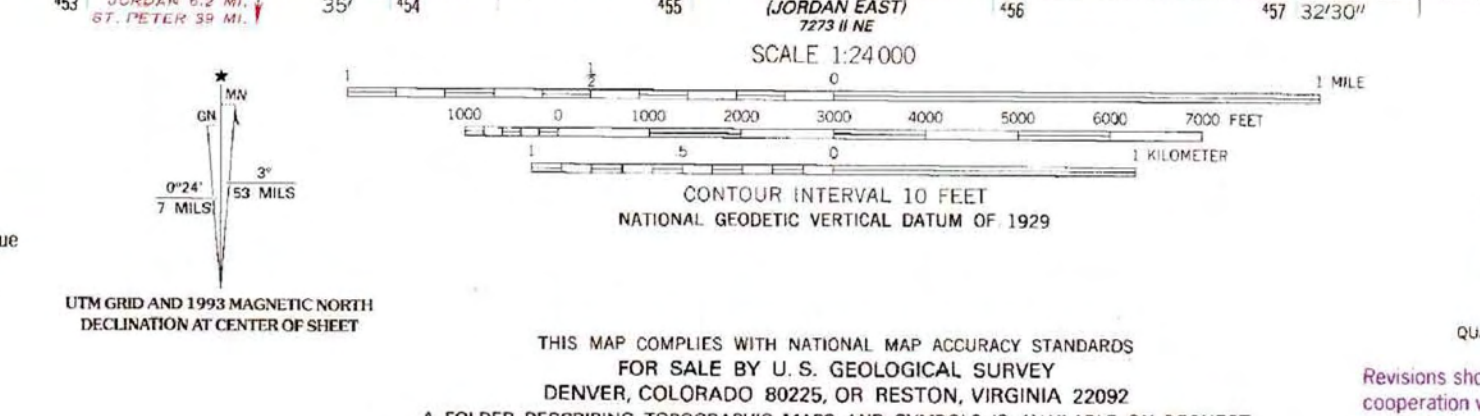
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Map edited 1993

VICTORIA, MINN.  
SW 1/4 LAKE MINNETONKA 15' QUADRANGLE  
44093 G6-TF-024  
1958  
REVISED 1993  
DMA 7273 1 SW - SERIES V872



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Topography by photogrammetric methods from aerial photographs taken 1953. Field checked 1958  
Hydrography compiled from information furnished by Minnesota Department of Conservation  
Projection and 10,000-foot grid ticks: Minnesota coordinate system, south zone (Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue  
1927 North American Datum (NAD 27)  
North American Datum of 1983 (NAD 83) is shown by dashed corner ticks  
The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are given in USGS Bulletin 1875  
Red tint indicates areas in which only landmark buildings are shown  
Purple tint indicates extension of urban areas



ROAD CLASSIFICATION

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road

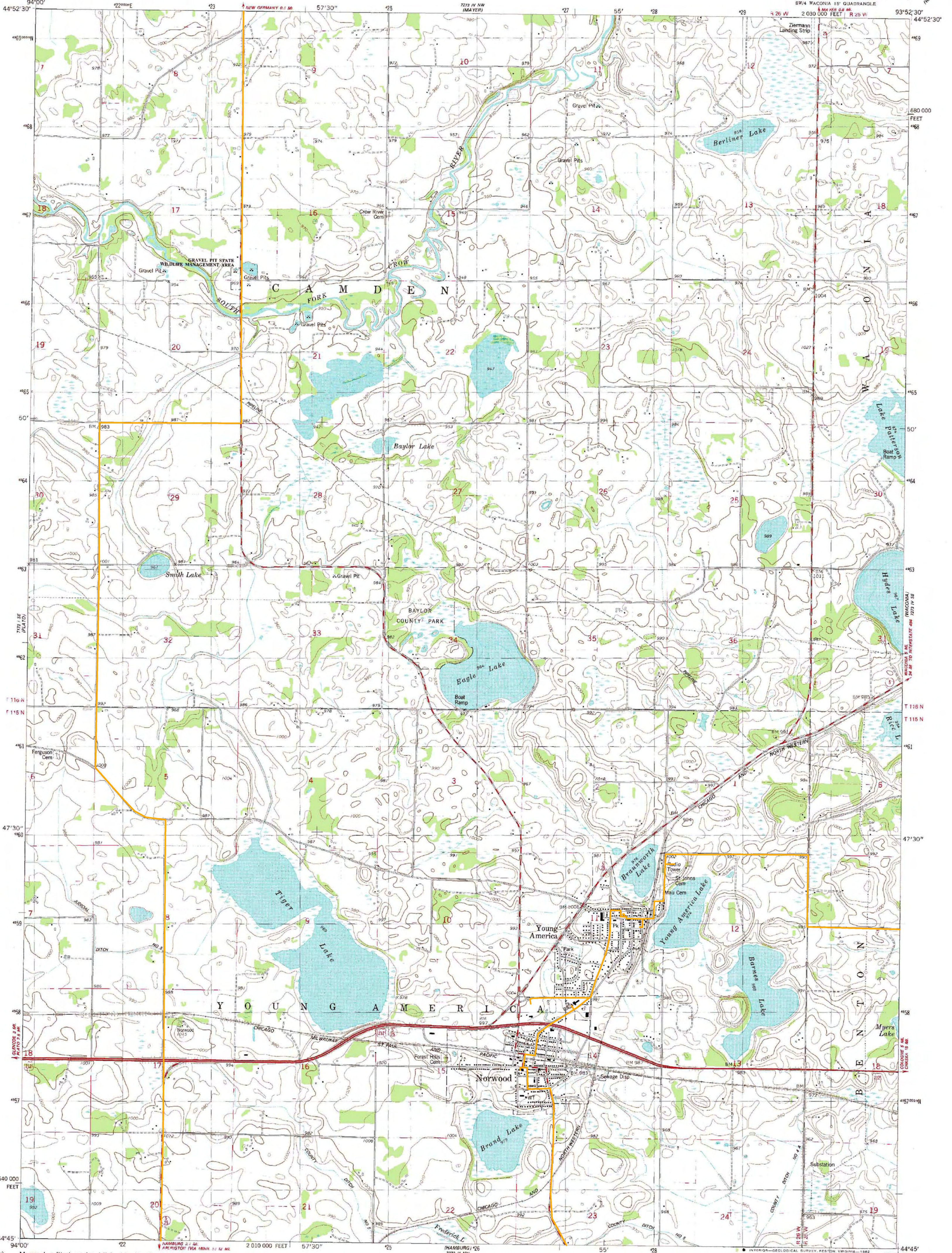
○ Interstate Route ○ U.S. Route ○ State Route

SHAKOPEE, MINN.  
SE/4 LAKR MINNETONKA 15' QUADRANGLE  
44095-G5-1F-024

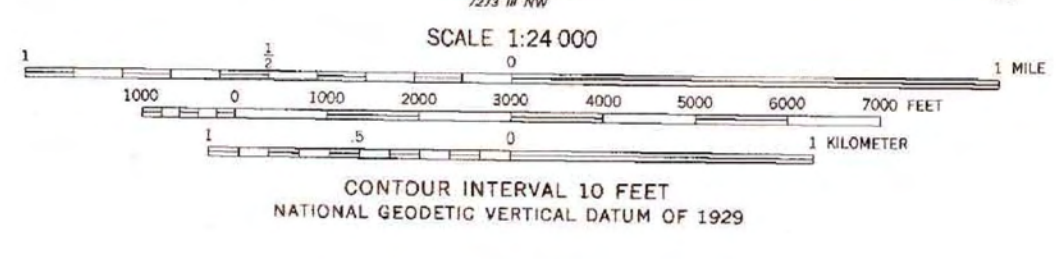
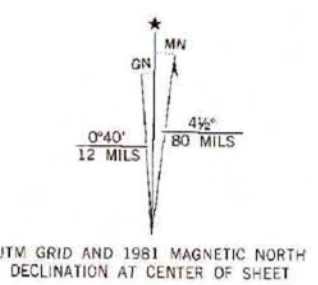
1958  
REVISED 1993  
DMA 7273 1 SE-SERIES V872

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Contours not revised. This information not field checked  
Map edited 1993



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Topography by photogrammetric methods from aerial photographs  
taken 1975. Field checked 1976. Map edited 1981  
Hydrography compiled from information furnished by  
Minnesota Department of Natural Resources  
Projection and 10,000-foot grid ticks: Minnesota coordinate  
system, south zone (Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid, zone 15  
1927 North American Datum  
To place on the predicted North American Datum 1983  
move the projection lines 6 meters north and  
19 meters east as shown by dashed corner ticks  
There may be private inholdings within the boundaries of the  
National or State reservations shown on this map



ROAD CLASSIFICATION

Primary highway, hard surface	Light duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route

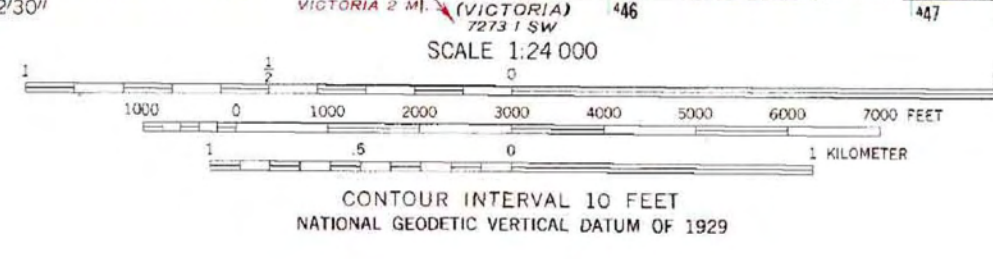


NORWOOD, MINN.  
SW/4 WACONIA 15' QUADRANGLE  
N4445-W9352.5/7.5  
1981  
DMA 7273 IV SW-SERIES V672

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Hydrography compiled from information furnished by Minnesota Department of Natural Resources  
Projection and 10,000-foot grid ticks: Minnesota coordinate system, south zone (Lambert conformal conic)  
1000 meter Universal Transverse Mercator grid ticks, zone 15, shown in blue  
1927 North American Datum (NAD 27)  
North American Datum of 1983 (NAD 83) is shown by dashed corner ticks  
The values of the shift between NAD 27 and NAD 83 for 7.5 minute intersections are given in USGS Bulletin 1875  
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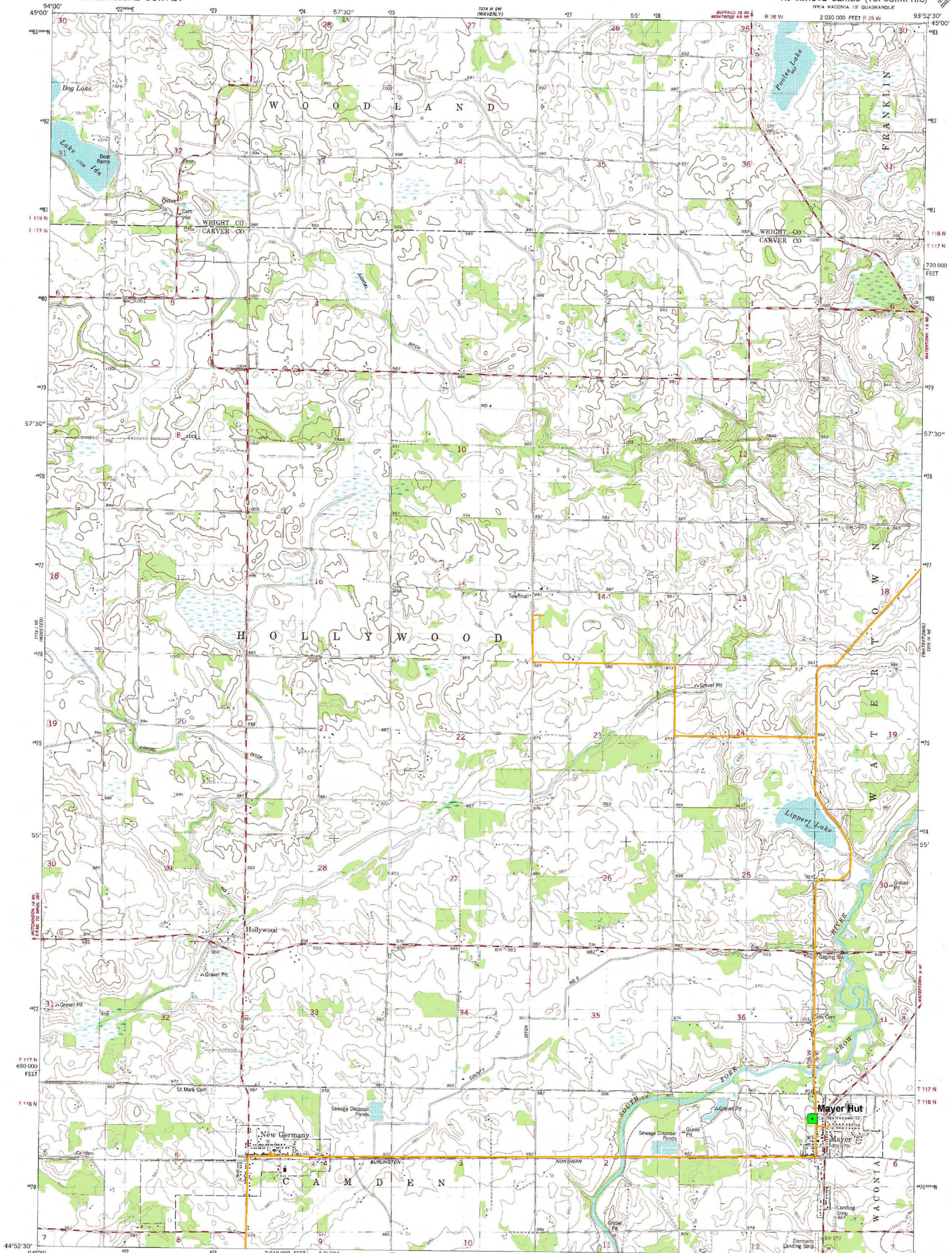
ROAD CLASSIFICATION  
Primary highway, hard surface  
Secondary highway, hard surface  
Light duty road, hard or improved surface  
Unimproved road  
Interstate Route  
U. S. Route  
State Route



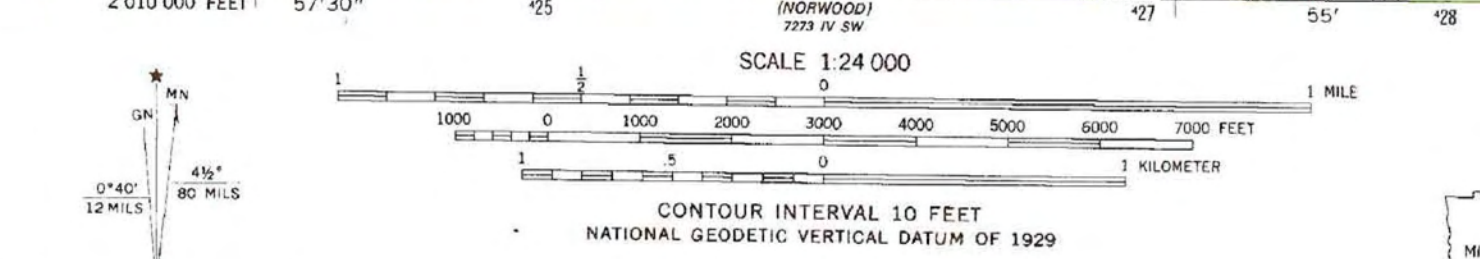
SCALE 1:24 000  
CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
MOUND, MINN.  
NW 1/4 LAKE MINNETONKA 15' QUADRANGLE  
44093 H6-TF-024  
Revisions shown in purple and woodland compiled in cooperation with State of Minnesota agencies from photographs taken 1991 and other sources  
Contours not revised. This information not field checked. Map edited 1993  
DMA 7273 1 NW-SERIES V872

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MAYER QUADRANGLE  
MINNESOTA  
7.5 MINUTE SERIES (TOPOGRAPHIC)



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Topography by photogrammetric methods from aerial photographs  
taken 1975. Field checked 1976. Map edited 1981  
Hydrography compiled from information furnished by  
Minnesota Department of Natural Resources  
Projection and 10,000-foot grid ticks: Minnesota coordinate  
system, south zone (Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid, zone 15  
1927 North American Datum  
To place on the predicted North American Datum 1983  
move the projection lines 7 meters north and  
19 meters east as shown by dashed corner ticks  
Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked

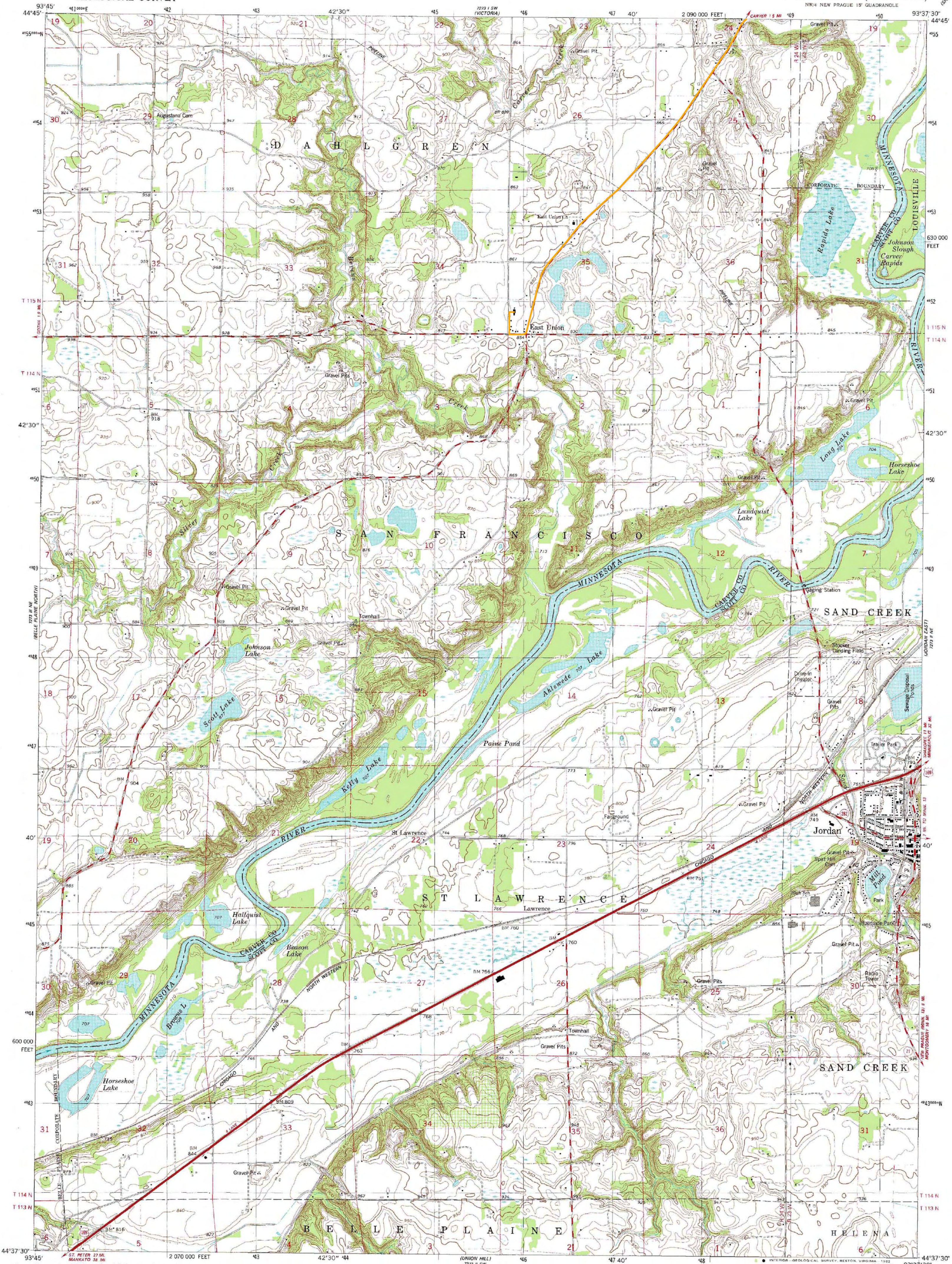


ROAD CLASSIFICATION

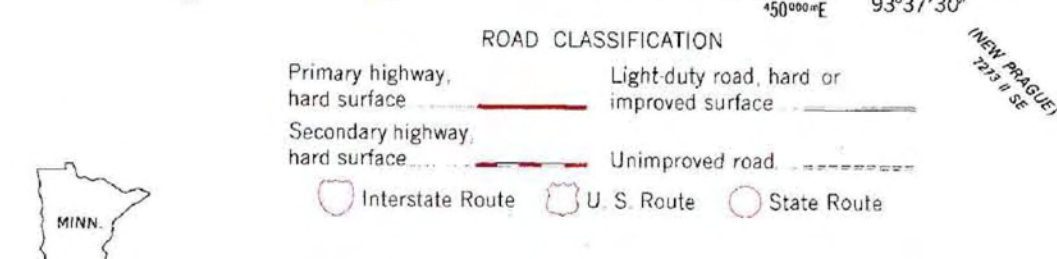
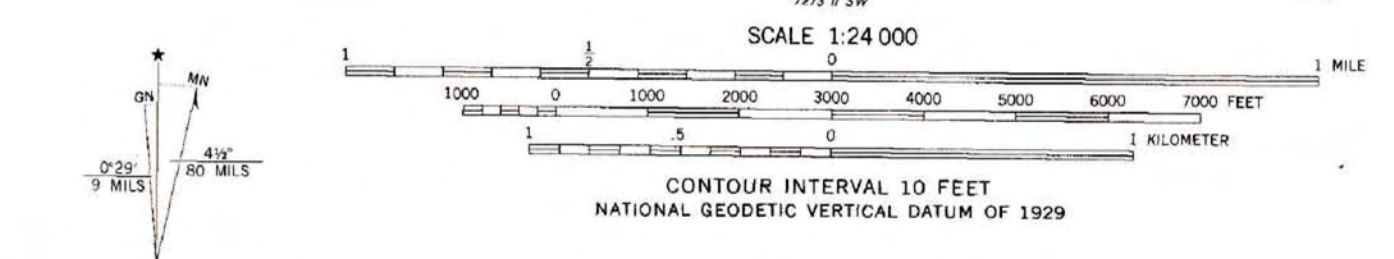
Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route

MAYER, MINN.  
NW¼ WACONIA 15' QUADRANGLE  
N4452.5-W9352.5/7.5  
1981  
DMA 1273 IV NW-SERIES 9872

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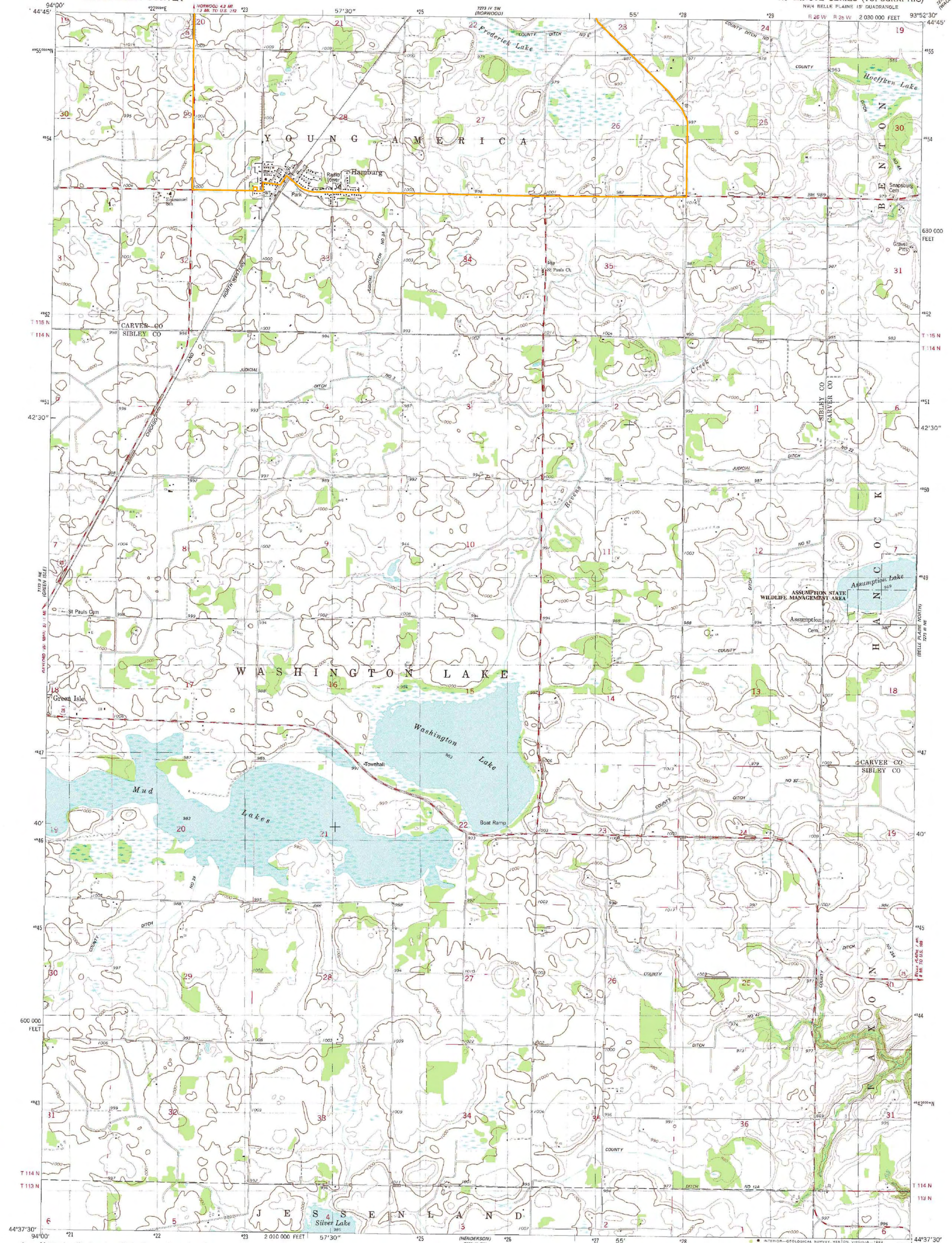


Mapped, edited, and published by the Geological Survey  
Control by USGS, NOS/NOAA, and Minnesota Highway Department  
Topography by photogrammetric methods from aerial photographs  
taken 1975. Field checked 1976. Map edited 1981  
Hydrography compiled from information furnished by  
Minnesota Department of Natural Resources  
Projection and 10,000-foot grid ticks, Minnesota coordinate  
system, south zone (Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid, zone 15  
1927 North American Datum  
To place on the predicted North American Datum 1983  
move the projection lines 6 meters north and  
18 meters east as shown by dashed corner ticks  
Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is un-checked

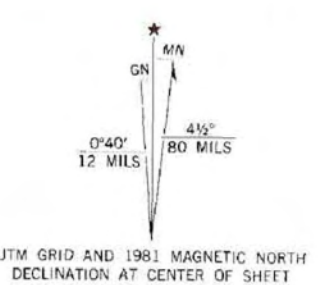


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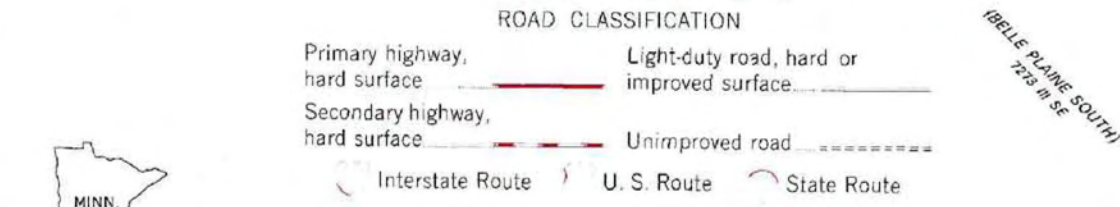
JORDAN WEST, MINN.  
NW¼ NEW PRAQUE 15' QUADRANGLE  
N4437.5-W9337.5/7.5  
1981  
DMA 7273 II NW-SERIES V872



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Projection and 10,000-foot grid ticks. Minnesota coordinate system, south zone (Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid, zone 15 1927 North American Datum  
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SCALE 1:24 000  
CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

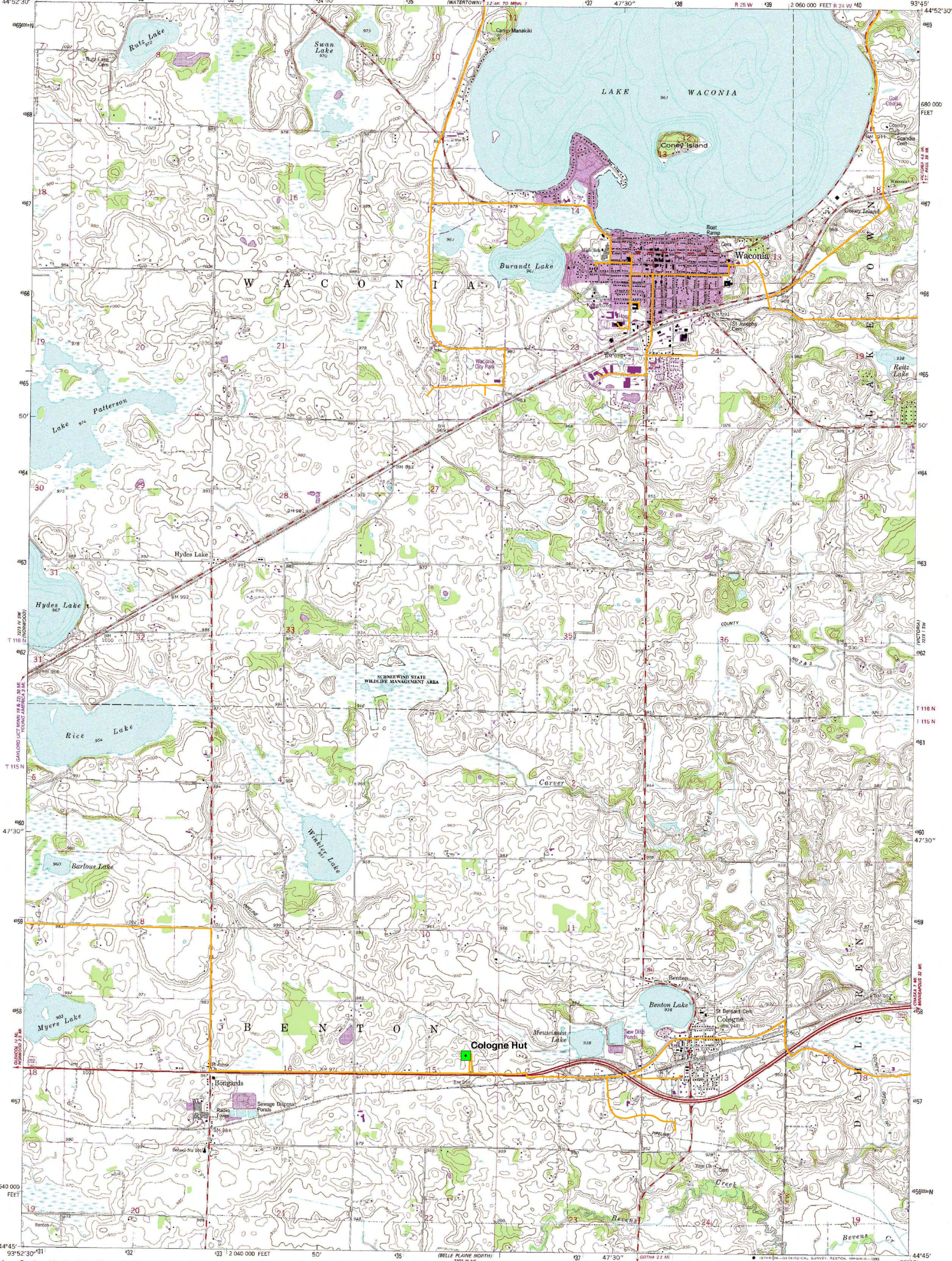


HAMBURG, MINN.  
NW/4 BELLE PLAINE 15 QUADRANGLE  
N4437.5-W9352.5/7.5

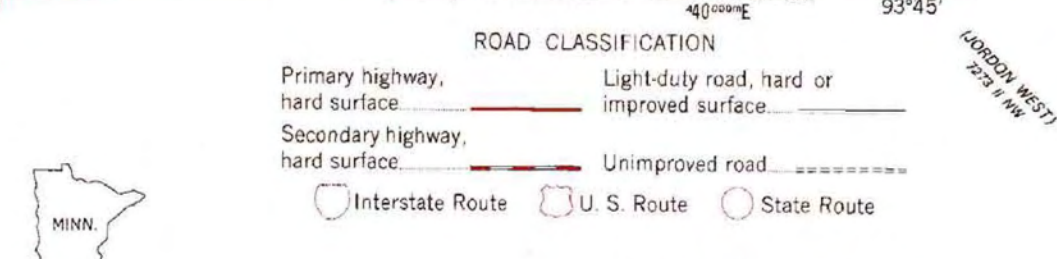
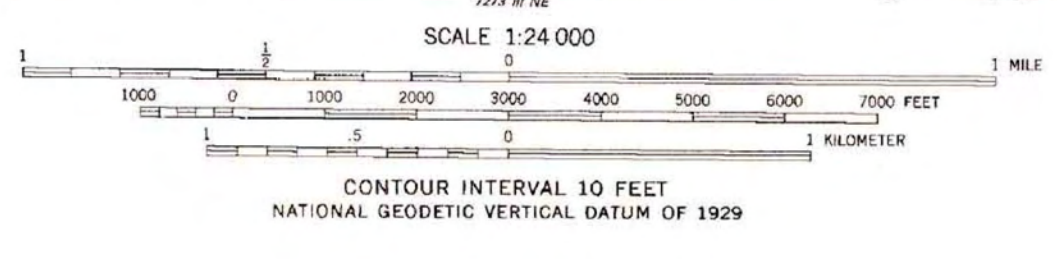
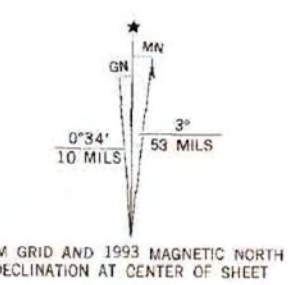
1981  
DMA 7273 III NW-SERIES 5672

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Purple tint indicates extension of urban areas

WACONIA, MINN.  
81/4 WACONIA 15' QUADRANGLE  
44093-G7-TF-024  
1981  
REVISED 1993  
DMA 7273 IV SE-SERIES V872

## **Carver County Open Fiber Initiative (CCOFI) Management Team and Organizational Chart**

The Management Team for the fiber optic project starts at the top of the organization with County Administrator/CEO Mr. David Hemze. As the County Administrator, Mr. Hemze oversees the County's day to day operations including over 600 employees and \$100 million annual budget. He has over 20 years of senior management experience including a 15 year tenure at Carver County.

Mr. Dave Frischmon reports directly to Administrator Hemze and serves as the County's Finance Director. Mr. Frischmon has over 20 years of financial, administration and project management experience. He is a CPA and his expertise in financial leadership has earned the County a AAA bond rating. Mr. Frischmon and his staff have extensive experience in managing grants with the County receiving over \$4.5 million in federal grants in 2008 alone.

Mr. Steve Taylor is the Director of Administrative Services and also reports directly to Administrator Hemze. Mr. Taylor oversees multiple county operations including technology. He has been directly involved in many multi-million dollar capital projects.

Mr. Fazil Bhimani has been retained as a consultant by Carver County to assist the leadership team with technical requirements of the fiber project.

Ms. Rhonda Lynch reports to Mr. Taylor and is responsible for overseeing Carver County's Information Services (IS) Department. The Information Services Department includes 24.5 FTEs in Technical Services, GIS, Project Management, Central Services, Records Management, SharePoint and Website. Ms. Lynch has over 38 years of experience in technology and has spent the last 26 years building Carver County's technology infrastructure.

Mr. Randy Lehs is the Technical Services Supervisor at Carver County and reports to Ms. Lynch. He has 19 years of technology experience and currently oversees the county's technical services team.

# DAVID J. HEMZE

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## OBJECTIVE:

Seeking a challenging executive-level position in a progressive public sector organization where employees take pride in their work, excellence is the goal, and high quality service to the public is vital.

## EDUCATION:

**M.A. in Public Administration** from Hamline University (St. Paul, Minnesota) received May, 1990.

**B.A. in Public Administration** from St. Cloud State University (St. Cloud, Minnesota) received May, 1987.

## EXPERIENCE:

County  
Administrator

**Carver County, Administrator's Office** (Interim January 2003 to April 2004; permanent April 2004 to Present)

- Manage the overall operation of over 600 employees under the direction of the County Board of Commissioners.
- Directly supervise eight divisions.
- Oversee County finances including the preparation and implementation of a \$100 million annual budget.
- Serve as liaison between public and private agencies and the County.

Assistant County  
Administrator

**Carver County, Administrator's Office** (May 1995 to January 2003)

- Provided support to County Administrator and served as acting Administrator in that person's absence.
- Supervised departments and individuals as assigned.
- Directed certain human resource responsibilities such as negotiating labor contracts and implementing a performance evaluation system.
- Managed special projects such as building and remodeling facilities and developing long-range strategic plans.

Assistant to the  
County  
Administrator

**Stearns County, Administrator's Office** (Aug. 1989 to May 1995)

- Provided support to County Administrator and Human Resources Director.
- Analyzed \$70 million budget and updated budget process.
- Participated in negotiations, developed policies, and performed other duties related to managing human resources.
- Coordinated special projects such as organizing a move of over 400 employees to new facilities and developing a comprehensive Community Corrections Plan.
- Implemented and updated a strategic plan.

Budget Analyst

**City of Minneapolis, Budget and Evaluation Office** (Feb. 1989 to Aug. 1989)

- Provided support to Budget Director.
- Aided six departments in preparing budgets totaling over \$20 million.
- Recommended funding and programming that created efficient and effective services.

Labor Relations  
Assistant

**City of Minneapolis, Human Resources Department** (Sept. 1987 to Feb. 1989)

- Provided support to Labor Relations and Human Resources Directors.
- Analyzed personnel data, developed new pay structure, participated in negotiations, and performed other duties related to human resources.
- Chaired fifteen-member Employee Communications Committee.

Research Intern

**City of St. Cloud, City Administrator's Office** (June 1986 to Sept. 1987)

- Provided support to City Administrator.
- Analyzed various issues including licensing, civil service hiring, and computerized property appraisal.

**TEACHING  
EXPERIENCE:**

**Hamline University**, St. Paul, Minnesota (2004 to Present), Adjunct Instructor.

- Teach graduate level public administration courses with city and county government emphasis.

**ORGANIZATIONS:**

- *ICMA* (International City/County Management Association), 1986 to Present.
- *APMP* (Association of Public Management Professionals), 1988 to Present. President, 1995 to 1996. Secretary, 1994 to 1995. Executive Board Member, 1992 to 1995.
- *AMC* (Association of Minnesota Counties), 1989 to Present.
- *MCMA* (Minnesota City/County Management Association), 1989 to Present.
- *MICA* (Metropolitan Inter-County Association), 1989 to Present.
- *NACA* (National Association of County Administrators), 1989 to Present.

**REFERENCES:**

Mr. David Twa  
County Administrator  
Contra Costa County  
651 Pine Street, 11<sup>th</sup> Floor  
Martinez, CA 94553  
925-335-1080

Mr. James Ische  
County Board of Commissioners, Chairperson  
Carver County  
602 East 4<sup>th</sup> Street  
Chaska, Minnesota 55318  
952-466-5851

Mr. Bill Joynes  
Dean  
School of Public Administration and Management  
Hamline University  
St. Paul, Minnesota 55104  
651-523-2517

Mr. George Rindelaub  
County Administrator  
Stearns County  
Administrator's Office  
705 Courthouse Square  
St. Cloud, Minnesota 56303  
320-656-3601

## David Frischmon



20+ years of diverse experience with government operations in the following areas:

- ◆ FINANCIAL:
  - Budgeting, Annual reporting, Year-end closing of books in preparation for an audit
  - Management Accounting - Develop systems to measure performance and provide information to formulate strategy, make decisions and maintain control.
  - Miscellaneous: Bond Sales and Tax Increment/Abatement Financing
- ◆ ADMINISTRATION: Human resources, Union negotiations, Employee benefits, Insurance, Cable TV. Supervised personnel responsible for payroll, records retention, research, elections, ordinances, resolutions, assessments and agendas.
- ◆ PROJECT MANAGER: Develop and manage projects to address complex challenges.

### **POSITIONS:**

- ◆ Director of Financial Services for Carver County, MN
- ◆ Owner of Frischmon Associates – Consulting firm which assist small businesses and local governments achieve their goals by providing high-level managerial and financial services
- ◆ Director of Finance and Administration for City of Wayzata, MN
- ◆ Certified Public Accountant for Deloitte, Haskins and Sells - specialized in auditing small businesses, non-profits, local governments and hospitals.

### **EDUCATION/PROFESSIONAL ASSOCIATIONS/VOLUNTEER:**

- ◆ University of Minnesota – B.S. in Accounting
- ◆ American Institute of Certified Public Accountants
- ◆ MN Society of Certified Public Accountants: Former Chair of Government Accounting and Auditing Committee
- ◆ MN Government Finance Officers of America: Former At-Large Board of Director, Co-chair of Conference Committee and Chair of Social Committee
- ◆ Campaign Treasurer: John Berns MN House Representative 33B
- ◆ BLSH Investment Club: President and Treasurer
- ◆ Asbury United Methodist Church: Treasurer
- ◆ Hennepin County Community Development Block Grant Review Committee
- ◆ Eden Prairie Schools Financial Advisory Committee

# Steven H. Taylor



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## Executive Manager

### Resource Optimization... County Administration... Communications

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An energetic and enthusiastic executive with expertise in a variety of high profile public agencies and suppliers; including the Carver County MN, City & County of Denver, the Department of Navy, and Lockheed-Martin. A Master of Public Administration degree combined with strong communications abilities, I possess the theoretical grounding and people skills to succeed. Awarded numerous Commendations and Letters of Appreciation, I have over 20 years of progressive success achieving and defending the organization's mission. My ability to wear a variety of "hats" uniquely positions me as a valuable contributor. I have established a reputation for delivering the highest quality results with the greatest efficiency while ensuring excellent customer service. My history demonstrates the consistent and successful application of five essential activities for success: *Executive Leadership; Fiscally Sound Budget Development & Management; Resourceful Problem Solving; Strategic Vision & Tactical Planning; Sharply Honed Analytical Skills.*

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## Career Overview

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**(2005-Present)** As the **Administrative Services Division Director** with *Carver County*, participate as a member of the county executive team charged by the County Board with the overall management of the County which employs over 600 employees and is among the fastest growing in the state. Responsible for over 25% of the County's levy funded operating budget including Information and Facility Services, Library, and other departments, as well as management of several multi-million dollar capital improvement projects. Implement performance measurement processes into line departments to demonstrate results, ability to provide high quality services with reduced resources, provide county-wide policy recommendations involving complex issues, reorganize various operations to enhance efficiency, and coordinate and provide leadership on matters having interdepartmental application. Significant public interaction with elected officials, community groups, print and news media and stakeholders. Serve as acting County Administrator in the Administrator's absence.

**(1999-2005)** As the **Director of Finance and Administration** for the *Denver Public Library, CO* included formulating and directing practices and procedures in budget, finance, facilities, accounting, payroll, purchasing and other business matters through management of a staff of 100. Responsible for the preparation and monitoring of the Library's \$35+ million budget, evaluation of organizational effectiveness and implementing change based on citizen input and statistical data. I assisted the City Librarian in developing broad-based policy for consideration and formal adoption by the Library Commission. Prepared and delivered complex operational reports to elected City officials, Board of Trustees and senior staff to further the mission of the organization. Responsible for planning, construction support and maintenance of 800,000 s.f. of office space.

**(1997-1999)** As a **Senior Budget & Management Analyst** with the *City and County of Denver* I provided detailed oversight and fiscal management of approximately \$82 million in agency budgets. Analyzed activity costs as they affect agency work programs and service levels of City agencies and developed performance measures to ensure cost effective operations. Developed detailed accounting reports on expenditures and encumbrances against appropriations.

**Steven H. Taylor**

**Page 2**

(1992-1997) Promoted to **Program Manager** with *Douglas County Government*, I managed two county operating divisions for the fastest growing county in the nation. Responsible for budget development and implementation, proposal / bid analysis, policy development, contract administration and purchasing. I implemented the use of computer applications into the two divisions. Fiscal accountability included overseeing a \$2 million operating budget and a \$1 million of capital funds. Assistant project manager of a new \$45 million Justice Center.

Initially serving as a **Financial Analyst** for the county, I developed budgets and provided in-depth oversight for departmental budgets exceeding \$20 million. I monitored and evaluated capital and internal service funds, analyzed indirect costs, prepared and evaluated revenue producing programs, and ensured departmental budgets were not exceeded. Privatized several operations that were subsidized by general fund dollars.

(1989-1992) As **Program Controls Manager** with the *Department of Navy, Seawolf Submarine Program, Wash., DC* I successfully provided direct budget support, justification and analysis for an \$18.9 Billion submarine program, cost estimating, earned value analysis, budget evaluation, and cost / benefit analysis. I provided program cost, schedule, and control trend analyses to senior Navy Officials. Further, I developed a series of five- year alternative budgets for the program and briefed higher-ranking level management on various budgetary and program issues. I analyzed budgetary impacts of contractor initiated contract change orders.

(1986-1989) As a **Project Manager** with *Lockheed Datacom Systems Corporation*, I performed complete management and project administration of several state and local contracts.

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### **Education/Training**

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I was awarded a **Master of Public Administration** and a **Bachelor of Arts Degree in Psychology and Economics** from the *George Washington University*. Other professional training has consisted of numerous seminars, conferences and workshops on a variety of financial management, budgeting, leadership, human resource, tax law, emergency management training (NIMS) and other subjects. Prior and present memberships include Government Finance Officer's Association, Chair of large Homeowner's Association, Minnesota Association of County Administrators, AMC, Minnesota City/County Management Association, MN Association of Public Management Professionals. Graduate of the Denver Metro Chamber of Commerce Leadership Denver Class of 2000. Served on the Board of Directors and Treasurer, Easter Seals of Colorado. ICMA Credentialed Manager Candidate.

# Rhonda Lynch



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## Professional Summary:

I am an innovative and energetic professional with over 38 years of technology experience.

## Education:

Associate Degree in Computer Science from La Crosse Wisconsin received in 1984.

## Experience:

**Carver County**, Information Services Manager (2005 to Present); Information Services Director (1995 to 2005); Data Processing Coordinator (1984 to 1995)

- Manage the Information Services Department which includes 24.5 FTEs in Technical Services, GIS, Project Management, Central Services, Records Management, SharePoint and Website.
- Administrate a \$4.6 million operating and capital budget.
- Oversee technology services provided to over 650 employees at 13 sites.

**Maislin Trucking**, Computer Operations Supervisor/Programming (1976 to 1982)

- Supervisor of computer operations and development

**National Car Rental**, Data Processing Trainer/Applications alpha/beta tester (1972 to 1976)

- Develop and implement training program for data processing department.
- Test software applications for development teams.

## Organizations:

Minnesota metro County IT Directors

Minnesota Counties Computer Cooperative, county Delegate

Minnesota Counties Information Technology Leaders Association, Chair 2009



# RANDY L. LEHS

## Professional Summary

I am a highly driven and skilled Information Technology and Business Management professional with over 19 years of leadership and proven experience integrating technology solutions based on industry and organizational business needs. I think innovatively and thrive in challenging, fast-paced environments where I am able to apply my experience of building, fostering and driving technology teams to success. I am a decisive and focused problem solver with strong analytical and critical thinking skills and robust interpersonal skills, foremost among them, the ability to listen, mentor, and provide guidance. I lead with integrity and honesty and I am a consistent high performer. I have a proven successful track record for developing and leading effective teams that improve operations, stabilize systems and enhance functionality and performance as well as building a strong and cohesive team. I interface at all levels within an organization, from administrative to executive level teams. My successes include founding, managing, and developing a business technology company and most recently, managing the infrastructure team that administers and operates the technology solutions for the Twin Cities Metro county of Carver County, MN.

## Employment Experience

### CARVER COUNTY

Technical Services Supervisor

Chaska, MN 2007 - Present

- Management of County IT infrastructure, telephony and support unit that administers technology for 650+ users in 13 locations. Environment includes 100 physical and virtual Microsoft Windows Servers including AS/400, over 1000 desktops and laptops, 85 work group and desktop printers and 25 work group and desktop copiers with VMware and Citrix solutions in a IBM Blade Center Server, Netapp Storage, Cisco switching and Mitel PBX environment.
- Direct the 24/7 support of technology operations including 911 Dispatch Call Center, Public Works Operations, Public Health On Call Readiness and the County Emergency Operations Center. Oversee security systems that apply HIPAA Compliance along with meeting other State and Federal regulatory security requirements for governmental compliance.
- Leading efforts in a \$4.5 million dollar project to implement an 85 mile fiber optic ring throughout Carver County.
- Technology Manager for the building expansion project of Carver County; managed planning, design and implementation of all technology related to approximately \$10 million of new buildings and remodeled spaces.
- Managed and developed a solid disaster recovery plan.
- Implemented desktop standards for the users of Carver County.
- Managed a 35% increase in user technology capacity in Carver County library system.
- Implemented enterprise technology components of Windows 2008 Server, Office 2007, Exchange 2008, BlackBerry Exchange Server 5.0, WebSense Web Filtering, OnBase, SQL 2008 and SharePoint.
- Implemented cost-saving mobile phone plan throughout Carver County, which gained a \$20K ROI within first year.

## SKILLS

- 17 yrs Director and Senior Level Management
- 19 yrs Product Training
- 17 yrs Project Management
- 17 yrs Technical Consulting

## BUSINESS EXPERIENCE

- Direct Experience with Technology and Infrastructure
- Team Leadership and Mentoring
- Timeline Accountability
- ITIL Understanding
- Business Development and Reporting Account Management Implementation
- Technology Consultation
- Product Technology Solutions
- Project Management
- Strong Presentation Delivery
- Contract Negotiations
- P&L Accountability
- Data Analysis

## SOFTWARE

Microsoft Business Productivity Software: MS Project, Word, Excel, Visio, Outlook, Business Accounting Software: QuickBooks, Peachtree Operating Systems: Windows 98, 2000, XP, Vista, Windows Server Infrastructure: Knowledge and understanding of fundamental server, networking and communication backbone as it relates to technology services and operations.

## EDUCATION

University of Northern Iowa, Cedar Falls, Iowa  
B.A., Business emphasis, 1991

## AFFILIATIONS & MEMBERSHIPS

1/00 - 2/07: City of Le Center (Le-Center.com) Webmaster  
1/02 - 1/04: Le Center/Cordova United Way Chairman  
8/98-3/03: Le Center Planning and Zoning Commission Board Member  
12/99-12/00: Le Center Chamber of Commerce President  
12/97-12/99: Le Center Chamber of Commerce Board Member

## AFFORDABLE BUSINESS PRODUCTS

President/Technical Services and Sales Director

Le Center, MN 1995 – 2007

- Founder and President/CEO of business technology company directing all operations of two business locations along with managing technical and administrative staff
- Project management, leadership, and mentoring to 100+ businesses around small business technology implementation, software distribution, end user computing, enterprise architecture, web technologies, strategic planning, and process development:
  - Directed and facilitated requirements definition and RFP process and equipment/software acquisition
  - Defined, planned and maintained project scope, schedule and resource efforts
  - Managed implementations, upgrades and ongoing operations
  - Directed operational technical support efforts
- Developed and maintained consultative business-to-business relationships and sales for 100+ business clients; relationship selling of capital equipment as well as commodity and intellectual products with gross sales over \$650,000 annually

### Consulting Initiatives (Affordable Business Products) – 1995-2007

#### Hwy Ag (Le Center, Morristown, Le Sueur)

Le Center, MN 2004-2006

Hwy Ag is a \$30 million, 3 location agri-business. I performed due diligence and led the implementation around a technology strategic plan and budget for a \$30 million dollar, 3-location cooperative. I consolidated and streamlined the technological efforts around network, data maintenance, security and ongoing operations from ten outsourcing IT providers to three. I directed the work around upgrading the enterprise-wide technology infrastructure from an 8-year old obsolete system to an up-to-date infrastructure with maintenance, security and backup procedures. The upgrade was inclusive to the entire network structure, AS400 upgrades, and all desktop PC's.

#### First State Bank

Le Center, MN/Henderson, MN 1995-2005

First State Bank is a \$100 million loan banking institution. Their primary facility in Le Center began a multi-year project of upgrading their entire technology network. I developed a project plan that allowed for a systematic implementation that enabled a smooth transition for the business and the end users. As the organization implemented new systems, I worked with the stakeholders to strategically plan their budget around regular system maintenance, upgrades, and to develop future technology plans. As they rolled out a second facility in Henderson, I was vital in managing the entire build out, including designing and installing their network and technology infrastructure, designing the furniture layout and managing the installation of all utilities and furniture. I worked regularly with 3<sup>rd</sup> party federal banking regulatory vendors to integrate, implement and maintain banking guidelines, security and procedures. I transitioned the infrastructure to an operational status and reviewed, maintained and upgraded all internal banking software at both locations.

#### First National Bank

Le Center, MN 2000-2004

First National Bank is a \$100 million loan banking institution. I completed an assessment of their current network technology and from this, developed a recommendation and project plan to upgrade the infrastructure from their old token ring network to a new 10/100 network. I managed the upgrade and also began a multi year plan to upgrade the end user desktops. Once complete, I transitioned the infrastructure to an operational status with regularly scheduled maintenance and upgrades. I worked with 3<sup>rd</sup> party federal banking regulatory vendors to integrate, implement and maintain banking guidelines, security and procedures. I managed all technology operations around reviewing, maintaining and upgrading all their internal banking software.

#### City of Le Center

Le Center, MN 1996-2004

Le Center is a 2,200 population municipality and county seat of Le Sueur County. I was the outsourced technology manager for all city departments, including the city office, the sewer plant, maintenance, the liquor store, the police, fire and ambulance. Over an eight year period I took their technology infrastructure and worked to integrate all departments together to allow for the sharing of software and data. Other aspects of the job included data security confidentiality and compliance, RFP and software selection of city billing management software, along with the implementation and end user training, and operations around ongoing maintenance, upgrades and technology planning.

#### Central Health Care

Le Center, MN 1999-2005

Central Health Care is a 100 bed nursing home facility. Initially, an assessment was completed of the infrastructure and overall technology. I recommended, planned, and implemented an updated infrastructure. I was contracted over a six year period to manage the infrastructure, including ongoing maintenance, upgrades, and technology planning. I was involved with establishing a

security plan, policy, and guidelines around HIPAA, as well as implementing security measures relative to information technology and other private and confidential data. One of many projects I worked on was to work with a variety of 3<sup>rd</sup> party vendors to integrate and implement their payment processing systems that ran through Medicare, the State of Minnesota, and numerous insurance providers.

#### **Factor Motors**

Le Center, MN 2002-2006

Factor Motors is a \$20 million auto dealership. I was outsourced to assume the role of technology manager for Factor Motors. I was responsible for managing the infrastructure, and any projects relative to the infrastructure and desktop environment. I managed the upgrade of the network to a more robust and newer platform, and worked with Ford Motors to migrate from the current mainframe application to a web-based application. This project included analyzing the current state layout, security, and processes, and then the development of the future layout, security and processes. Additionally, I was responsible for any hardware upgrades to diagnostic equipment used by the automotive technicians, which included integrating into the overall infrastructure, and the associated software applications, and technician training.

#### **Busch Brothers**

New Prague, MN 2000-2007

Busch Brothers is a \$20 million CNC manufacturing company. I was outsourced to provide technology management services. After doing an initial assessment on their current state, I developed a technology plan that included adding more resources, upgrading the infrastructure, and refining and improving business process to increase productivity, efficiencies, and overall profitability. Once the infrastructure upgrade was completed, I developed a long-term technology and operations plan to facilitate the growing business. Ongoing information technology operations were also directed by me.

#### **ABC Services**

Le Center, MN 2001-2006

ABC Services is a \$3 million dollar credit and background check provider. I was brought in to provide technical management services around the current infrastructure. Upon the completion of a technology assessment, I recommended the customer upgrade their infrastructure. A plan and timeline were developed, and I managed the overall upgrade of the infrastructure. Additionally, they purchased new space and required project management around developing the space. Once the design work was complete, under a tight timeline, I managed the build out, including working with all utility and technology vendors to ensure an accurate setup that would promote business productivity. I was able to facilitate the successful build out and move of ABC Services.

#### **Holicky Brothers Trucking**

Le Center, MN 2005-2006

Holicky Brothers Trucking is a \$10 million trucking company. This customer was looking for a project manager to facilitate a successful build out of their new office location. I functioned as the project manager in all aspects of the build out, including layout, design and technical and utility specifications. In addition to the build out, I also reviewed their existing business practices and procedures, and re-engineered process to create efficiencies that allowed them to eliminate staff and increase profitability.

#### **Ridges at Sand Creek**

Jordan, MN 2005-2006

Ridges at Sand Creek is a golf course rated #1 in Twin Cities Golf Guide and was nominated as "Best New Course" by Golf Digest in 2001. I was brought in to complete an install that was in a critical status, and was being done by another vendor. Although the install was to be a minor upgrade, my systems analysis pointed to other system-wide issues that were caused by old technology, incorrect maintenance processes and poorly performed installations. I initially provided an interim solution that would allow the business and the end users to operate without much disruption. I developed a strategic plan that was reviewed with the management. The plan included walking through the current issues followed by a proposal that would include process and technology improvements. I managed the overall implementation within an extremely short time-frame. Additionally, I worked with their third party software vendor, Fore Reservations, to enhance the "TeeItUp" software at Ridges at Sand Creek, and I facilitated the development of a software enhancement that was implemented in their next version.

### **ADVANCED DRAINAGE SYSTEMS**

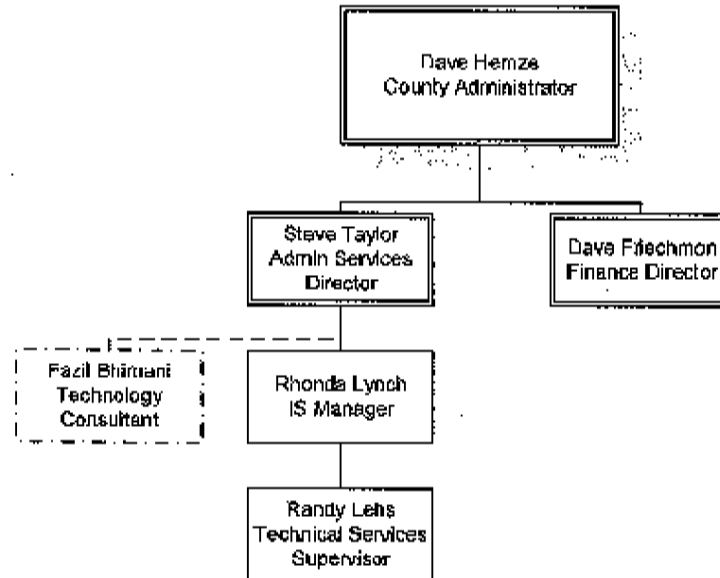
Sales Representative (Outside Sales)

Le Center, MN 1992 – 1996

- Initiated direct business-to-business outside sales of storm and sanitary sewer systems for nation's largest manufacturer of high density polyethylene pipe products.
- Spearheaded territory expansion from \$500,000 to \$2 million in first 6 months; nurtured sales to \$3 million.
- Envisioned, created and implemented key technology solutions in territory that were adopted for company wide use; one solution increased sales of our most profitable product by over 30%.
- Clientele of 250 included contractors and municipalities in territory covering entire state of MN. Maintained and advanced extensive understanding of techniques, regulations and standards including ASTM, to develop educational sales approach to build rapport with city engineers and other decision makers.

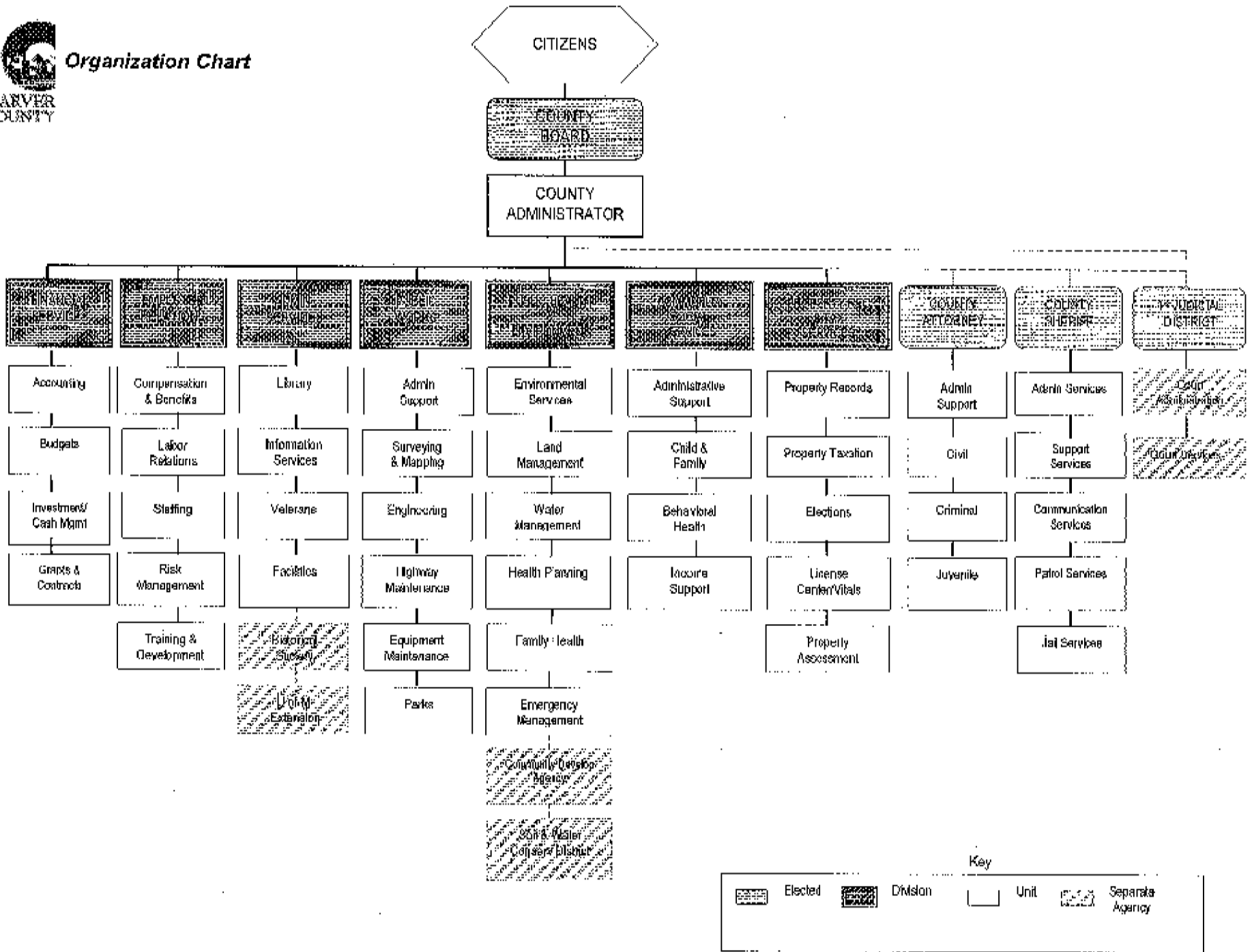
# Carver County Fiber Optic Leadership

3/25/2010





**Organization Chart**



Robert E. Sandhaus, PE

**SUMMARY** Continuously involved in the telecommunications industry since 1972 yielding 38 years of industry experience. Past and present areas of responsibility include all areas of engineering, regulatory, legislative, finance and system support.

## EXPERIENCE

**President, Joseph D. Fail Engineering Co., Inc. and T2C2, Inc.** 2003-Present

- Provide overall direction and management to Joseph D. Fail Engineering Co., Inc., a telecommunications engineering firm in business since 1967. Also, provide overall direction and management to T2C2, Inc., a software development company in business since 1989.
- Following are examples of specific "Broadband" related projects I have been involved with in the past few years:
  - NTS Telephone Company, LLC-application preparation, submission and implementation of a \$12M RUS Broadband Loan project utilizing FTTH technologies to provide broadband, voice, data and video services, including fiber construction, in rural TX.
  - TEC, Inc.-overall management responsibilities associated with \$3.0M of outside plant construction projects including FTTH and FTTP for ILEC's in AL, MS and TN during budget year 2009.
  - Jaguar Communications- application preparation, submission and implementation of a \$17M RUS Broadband Loan project utilizing FTTH, xDSL, and wireless technologies to provide broadband, voice, data and video services, including fiber construction, throughout rural MN.
  - Jaguar Communications- application, submission and implementation of a \$4.6M RUS Broadband Loan project utilizing FTTH, xDSL, and wireless technologies to provide broadband, voice, data and video services, including fiber construction, throughout several counties in rural MN.
  - Dixie-Net Fiber, Inc.- Preparation and implementation of a design change associated with a \$4.8M RUS Broadband Pilot Loan Project utilizing wireless broadband technology to provide high-speed data and VOIP to rural MS.
  - PRIDE Network- Successful preparation and submission and of a round one ARRA Broadband Stimulus Application that was approved to fund the construction of a \$44.5M FTTP and wireless broadband project in the state of TX.
  - PRIDE Network- Successful preparation and submission and of a round one ARRA Broadband Stimulus Application that was approved to fund the construction of a \$19.1M FTTP and wireless broadband project in the rural communities of Burke-Burnett and Iowa Park, TX.
  - Bay Springs Telephone Company- Successful creation and submission of a round one AARA Broadband Stimulus Application that was approved to fund the construction of an \$8.4M FTTP project in the state of MS.

**Vice President/Director/Manager**

1987-2003

- Held Vice President, manager and director level positions covering the areas of capital recovery, land and buildings engineering, revenue requirement, IntraState and

InterState tariff filings, finance, traffic studies, operator services, expense and capital budgeting, planning, engineering and construction (COE, OSP, land and buildings), inventory management, system support (mechanized assignment and record keeping and engineering systems), regulatory and legislative.

Consultant, Coopers and Lybrand Utility Regulated Services Division 1986-1987

- Provided consulting services to regulated utilities in the areas of capital deployment, capital recovery, plant engineering and continuing property records systems.

Consultant, Cottrell & House 1981-1986

- Consulting Engineer (Vice President) responsible for the areas of capital recovery, interactive graphics, broadband engineering (CATV and cellular systems) and mechanized record keeping/physical inventory.

Manager -Engineer, United Telephone Co. 1979-1981

- Worked in the areas of capital recovery and plant engineering for the Midwest Group States (MO, KS, NE, IA, and MN).

Missouri Public Service Commission Staff, Manager 1972-1979

- Covered the areas of utility engineering, capital recovery, allocation of utility plant and capital deployment (telecommunications, electric, gas, and water).

#### ADDITIONAL INFORMATION

- I have presented testimony in over 100 rate proceedings, in over 25 states, addressing many of the aforementioned areas of expertise/involvement.

#### EDUCATION

Bachelor of Science in Engineering, University of Missouri at Rolla, 1972

MBA in Finance, Middle Tennessee State University, 1988

Registered Professional Engineer/consultant since 1978 (by exam) current license

## Scott Mackinaw



### Summary

Telecommunications professional with over 18 years of experience in all aspects of engineering, service, support and operations associated with broadband voice, data and video networks. Strong leadership, project management, personnel management, and technical team building skills combined with a detailed understanding of public and private networks provide a well rounded background that can be relied upon to bring success to any organization.

### Experience

May 2004 – Present      **Joseph D. Fail Engineering Company, Inc.**      Bay Springs, MS  
**Vice President, Inside Plant & Broadband Engineering**

- Manage and direct the Inside Plant Engineering Department's Consultants as Engineering Services are provided to clients in association with wireline and wireless communications networks inclusive of the following, as well as, many similar projects:
  - **Jaguar Communications – application, submission and subsequent implementation of a ~\$17M RUS Broadband Loan project utilizing FTTH, xDSL and wireless technologies to provide broadband voice, data and video services, including the construction of \_\_\_\_ miles of fiber construction, throughout \_\_ counties in rural MN.**
  - **Jaguar Communications - application, submission and subsequent implementation of a ~4.6M RUS Broadband Loan project utilizing FTTH, xDSL and wireless technologies to provide broadband voice, data and video services, including the construction of \_\_ miles of fiber construction, throughout \_\_ counties in rural MN.**
  - **NTS Telephone Company, LLC - application, submission and subsequent implementation of a ~12M RUS Broadband Loan project utilizing FTTH technologies to provide broadband voice, data and video services, including the construction of \_\_\_\_ miles of fiber construction, in rural TX.**
  - **Dixie-Net Fiber, Inc. – Creation and implementation of a system design change associated with a ~4.8M RUS Broadband Pilot Loan project utilizing wireless broadband technology to provide high-speed data and VOIP to rural MS.**
  - **TEC, Inc. – Scheduling and project management responsibilities associated with \$2.8M of outside plant construction projects including FTTH and FTTP across six rural Independent Operating Companies within the 3 states of AL, MS and TN during budget year 2009. Companies included are: Bay Springs Telephone Company, Crockett Telephone Company, National Telephone Company, Peoples Telephone Company, Roanoke Telephone Company, and West Tennessee Telephone company.**
  - **PRIDE Network – Successful creation and submission and of a round one ARRA Broadband Stimulus Application that was approved to fund the construction of an ~44.5\$M FTTP and wireless broadband project consisting of \_\_ miles of fiber construction to serve approx. \_ unserved and underserved subscribers in the state of TX.**
  - **PRIDE Network – Successful creation and submission and of a round one ARRA Broadband Stimulus Application that was approved to fund the construction of a approx 19.1\$M FTTP and wireless broadband project consisting of \_ miles of fiber construction to serve approx. \_ unserved and underserved subscribers in the rural communities of Burke-Burnett and Iowa Park, TX.**
  - **Bay Springs Telephone company – Successful creation and submission and of a round one ARRA Broadband Stimulus Application that was approved to fund the construction of a approx 8.4\$M FTTP project consisting of \_ miles of fiber construction to serve approx. \_ unserved and underserved subscribers in the state of MS.**



- Apply leadership and project management skills to ensure that all client Engineering projects are completed in a high quality fashion and are on schedule and within budget limits.
- Responsible for expanding departmental staffing and conducting the necessary training to provide engineering services associated with client application to and participation in USDA Rural Utility Service (RUS) loan and grant programs. Including acting as a liaison between the client's staff and government personnel, preparation of loan applications, administration of bids and contracts and inspection of jobs to ensure compliance to RUS standards.
- Assist clients in preparation of annual capital expense and Engineering budgets.
- Responsible for corporate IT staff, equipment and operations.
- Provide strategic planning, network design and product selection services to clients during network migration and expansion projects including host-remote switching, fiber to the home/premise build-outs, TDM to Softswitch "cap & grow", optical network development, CATV upgrades to double and triple play platforms, wireless voice, wireless broadband and numerous other technologies.
- Central Office Switch design including software applications as well as all types of copper, fiber and microwave transmission systems.
- New customer acquisition and business development activities with existing clients.

Jun 2002-April 2004

**Telwave Communications**

**Aventura, FL**

**Director of Technology**

- Developing and implementing technical solutions to address the business communication and networking goals of customers.
- Product specification, evaluation and selection for all corporate and customer projects.
- Budget control and project management.
- Responsible for all technical personnel recruitment, hiring and training, including management of all contract labor and outsource initiatives.
- New project validation including feasibility and economic studies as well as the preparation and presentation of Technical Project Presentations to customers, business partners and potential investors.
- Negotiation of all outside service agreements and contracts with third party vendors and service providers.

Mar 1999-May 2002

**CopperCom**

**Boca Raton, FL**

**Director of Customer Support**

- Direction of a Nationwide Customer Service, Technical Support, Training and Installation Department, consisting of distributed Technical Assistance Centers, Web Based Knowledge Banks, Regional Field Engineers and Centralized Call Center personnel.
- Implementation of standardized Product Support and Trouble Reporting procedures (RQMS, TL9000) and CRM Systems.
- Planning, budgeting and execution of roll-out plans for new product introduction related to integrated voice and data systems manufactured by CopperCom, including the installation and turn-up of over 100 Softswitch systems.
- Managing member of Engineering Change Order Release Board and the Corporate Pricing Committee. Management of all interaction, contract negotiation, support, cost accounting and scheduling associated with third party vendors and service providers.
- Administration and inventory control for all customer warranty programs including advance equipment replacement, repair and return, scheduled maintenance, software/hardware release and revision control and system upgrades and expansions.
- Customer dispute resolution and crisis management including serving as technical expert for corporate legal team in any product related litigation.
- Human resource management including; recruiting, coaching and motivating employees, product training and certification programs and the development of team leaders, unit managers and functional supervisors.
- Creation of individual, team and departmental performance goals, conducting personnel

appraisals and executing reward and corrective action programs.

Mar 1997-Feb 1999     **DTI Networks**     **Coconut Creek, FL**  
**Director of Technical Services**

- Responsible for recruiting, staffing, training, budgeting and financial planning associated with pre and post sales Product Support and Quality Control for all switching system product lines.
- Developed and implemented 7X24 Disaster Recovery Procedures including emergency inventory and logistics.
- Worked with design engineers and manufacturing personnel to ensure product quality related to product enhancements and modifications of Class 4, Class 5 and E911 switching systems.
- Instituted Regional Technician Placement to provide rapid response onsite support.
- Chaired Critical Customer Support Issue meetings with Executive Management.
- Expanded onsite support and consulting services to generate additional revenue.
- Provided technical specifications and product configurations in response to customer RFI, RFP and RFQ.
- Implemented Service Order Tracking software to reduce customer disputes, improve turn-around time and increase collections.
- Reduced installation costs by 20% and improved new customer relations by developing strict pre-installation requirements and site survey processes.
- Out-sourced equipment installation activities to reduce expense and increase customer response time as well as volume capacity.
- Reduced recruiting costs by utilizing Engineering Placement Companies.

Apr 1996-Feb 1997     **Digital Telecommunications, Inc.**     **Jackson, TN**  
**Technical Training Manager**

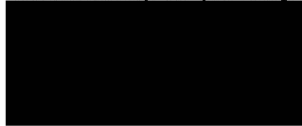
- Worked directly with design engineers, production engineers and managers to create technical product documentation and training materials for all manufactured switching products.
- Responsible for the administration of training and certification programs for internal personnel and customer technicians.
- Redesigned and updated training facilities to include new product lines and increase student capacity.
- Expanded the size and frequency of technical training classes to generate 300 % more revenue and dramatically improve customer satisfaction.

Oct 1991-Apr 1996     **MidCom Communications**     **Jackson, TN**  
**MIS Manager**

- Responsible for all Operations associated with a nationwide facility based Voice and Data Network. Increased overall efficiency and reduced costs and increased revenues by automating all electronic provisioning and error monitoring tasks.
- Responsible for Quality Assurance and Product Improvement associated with co-located equipment manufacturing facility.
- Managed third party reseller and wholesaler support and billing.
- Administered commissions and contracts for outside sales agents and distributors.
- Project Management for development, testing and implementation of a highly customized Provisioning, Billing and Customer Care application software package.
- Managed all corporate IT networks and systems including hardware/software selection, implementation, maintenance and upgrade.
- Planned and executed the consolidation of operations from the Jackson, TN manufacturing facility into corporate headquarters in Seattle, WA within budget and without impacting cash flow.

**Education**     **University of Alabama**     **Tuscaloosa, AL**

**James C. (Pete) Terry**



**Summary**

Telecommunications professional who has worked for more than 40 years as a consultant for engineering and project management services. Mr. Terry has been involved in all phases of outside plant design and construction. His expertise includes right-of-way acquisition, staking, and inspection. He is familiar with copper and fiber design as well as the requirements for proper installation and testing. He has supervised construction projects in numerous locations across the United States.

**Experience**

- |                |   |                        |
|----------------|---|------------------------|
| 1989 – Present | <b>Joseph D. Fail Engineering Company, Inc.</b><br><b>Vice President – Outside Plant</b>  | <b>Bay Springs, MS</b> |
|                | <ul style="list-style-type: none"><li>• Mr. Terry provides leadership and direction to a team of field engineers working in multiple states performing staking, right-of-way acquisition, and inspection work.</li></ul>                |                        |
| 1969 to 1988   | <b>Joseph D. Fail Engineering Company, Inc.</b><br><b>Various hourly and management positions</b>   | <b>Bay Springs, MS</b> |
|                | <ul style="list-style-type: none"><li>• Mr. Terry began his career as an hourly employee performing basic field employee tasks. He advanced through various positions to reach the position of Vice President – Outside Plant</li></ul> |                        |

**Education**

*References Available Upon Request*

## Marion R. Bowman

### Summary

Telecommunications professional who has served for more than 50 years as a consultant for engineering and project management services. Mr. Bowman is currently a licensed professional engineer (PE) in twenty-nine (29) states in the USA and three additional states pending based on applications filed.

Mr. Bowman has designed FTTH and FTTP projects as well as hybrid fiber/coax projects and managed these designs through specification, building, construction, testing, closeout, and implementation while actually involving himself in the field inspection and testing where appropriate. His knowledge of the electronics associated with the entire communication industry is full in both switching and all types of outside plant and field mounted electronics/photonics.

Mr. Bowman is a member of the National Society of Professional Engineers, the Tennessee Society of Professional Engineers, the Professional Engineers in Private Practice, and the Independent Telephone Pioneer Association and also an active member of the Association of Communication Engineers and many other trade associations.

### Experience

- |                |  |                 |
|----------------|--|-----------------|
| 2004 – Present | <b>Joseph D. Fail Engineering Company, Inc.</b><br>Senior Engineer   | Bay Springs, MS |
|                | <ul style="list-style-type: none"><li>• Senior Engineer over all operations with emphasis on developing broadband activities. Involved in multiple broadband loan projects including the application preparation and engineering certification through finalization and PE approval of the projects.</li></ul> |                 |
| 1986 to 2003   | <b>Joseph D. Fail Engineering Company, Inc.</b><br>President, CEO  | Bay Springs, MS |
|                | <ul style="list-style-type: none"><li>• Responsible for all engineering services and operations of Joseph D. Fail Engineering, a telecommunications professional engineering consulting company.</li></ul>   |                 |
| 1983 to 1986   | <b>Cottrell &amp; House, Inc.</b><br>President, CEO & Chairman of Board of Directors   | Nashville, TN   |
|                | <ul style="list-style-type: none"><li>• Supervised all engineering services and operations of Cottrell &amp; House, Inc.</li></ul>   |                 |
| 1981-1983      | <b>Cottrell &amp; House, Inc.</b><br>Vice President, Corporate Secretary and Board Member  |                 |
|                | <ul style="list-style-type: none"><li>• Vice President in charge of engineering services and operations at Cottrell House, Inc. and Telephone Engineering Services</li></ul>   |                 |
| 1968 - 1980    | <b>Cottrell &amp; House, Inc.</b><br>Various Senior Management level positions   | Nashville, TN   |

- Served as secretary of Board of Directors, Chief Engineer, Board member and Vice President

1955-1967

Cottrell & House, Inc.

Nashville, TN

Various staff positions

- Coordinated all office functions, work scheduling, etc
- Design engineer in charge of complete telephone designs for inside and outside plant
- Various positions as draftsman, junior engineer, etc.

*References Available Upon Request*

## Terry Haynes



### Summary

Telecommunications professional with over 30 years of experience in all aspects of engineering, service, support and operations associated with broadband voice, data and video networks. Strong leadership, project management, personnel management, and technical team building skills combined with a detailed understanding of public and private networks provide a well rounded background that can be relied upon to bring success to any organization.

### Experience

- |                |  |                        |
|----------------|--|------------------------|
| 2004 – Present | <b>Joseph D. Fail Engineering Company, Inc.</b><br><b>Director – Mechanized Records &amp; Regulatory Consulting</b>  | <b>Bay Springs, MS</b> |
|                | <ul style="list-style-type: none"><li>• Manage and direct the Mechanized Records Operations Group responsible for the creation of accurate digital facilities records for Fail Engineering clients.</li><li>• Provide expertise in Telecommunications Policy (both state and federal), intercarrier compensation, cost analysis, rate case development, local number portability, number management, Voice over IP, and strategic planning.</li></ul>  |                        |
| 2000 to 2003   | <b>Verizon</b><br><b>Senior Regulatory Consultant</b>  | <b>Irving, TX</b>      |
|                | <ul style="list-style-type: none"><li>• Generated \$250 million savings as a professional witness for Verizon. Received Verizon's Excellence Award for outstanding achievement.</li><li>• Directed the implementation of 711 dialing (allows consumers to reach regional hearing impaired centers) for 28 states. This two-year project included soliciting resource commitments from 7 regional vice presidents and providing direction/leadership to 16 project managers.</li><li>• Advocated Verizon's position before state and federal regulatory leaders with a focus on national numbering issues and voice over IP (VoIP) telephony.</li></ul>             |                        |
| 1997 to 2000   | <b>GTE</b><br><b>Major Program Manager</b>   | <b>Irving, TX</b>      |
|                | <ul style="list-style-type: none"><li>• Directed the deployment of \$450 million in hardware and software to meet an aggressive target date established by the FCC. The LNP Project was completed ahead of schedule with a 10% budget underrun. Nominated for a GTE Presidential Leadership Award.</li><li>• Collaborated with other GTE leaders on an Executive Oversight Team to guide the development of systems and procedures optimized to handle the rapid growth of competitive local exchange carriers. This effort resulted in deployment of a market response center along with new systems and processes to dramatically improve performance.</li></ul> |                        |

Terry Haynes – Resume Continued

- 1994 to 1999      **GTE**      Irving, TX  
Field Technical Manager
- Led 200-member team to select and deploy a new ruggedized laptop. Budget was \$80 million in capital and expense for the 2+year project. Led the development of custom software optimized for field technicians. Deployed the laptops on schedule, under budget and received GTE's highest honor, the President's Individual Leadership Award.
  - Managed a team of 16 employees who developed practices and procedures that resulted in an overall 10% improvement in quality and efficiency.
  - Developed business cases that focused on improved employee quality, efficiency and empowerment. As a result of business case implementation, overall company cost of operation was reduced by \$40 million.
- 1992 to 1994      **GTE**      Irving, TX  
Process Re-engineering Team Leader
- Managed a Process Re-engineering sub-team responsible for reviewing field maintenance processes to identify improvements that ultimately contributed to an annualized \$200 million reduction in operating costs.
  - Team identified multiple savings opportunities including a recommendation to procure and deploy laptops to 13,000 field technicians to improve communication and route them to the nearest customer location. This assignment resulted in a promotion to manage a 200- member team that deployed the new laptop technology.
  - Received Individual Excellence Award for the leadership provided to this team.
- Education      **University of South Carolina**      Columbia, SC  
Bachelor of Art's Degree - 1973

*References Available Upon Request*

## RESUME OF BRUCE G. STRINGER

### Summary:

Telecommunications engineering consultant with over 35 years experience in all aspects of OSP plant facilities, FTTH design, Copper design, staking, construction inspection, and yearly construction budget preparation.

### JOB AND EDUCATION EXPERIENCE:

**Jan. 1995 To Present**  
**Manager**

**Joseph Fall Engineering Company**  
**Bay Springs, Mississippi**

➤ Manager of Network Planning and Design Department. Responsible for long range planning and current yearly outside plant designs and construction budgets.

➤ TEC, Inc. – Network Planning and Design responsibilities associated with \$2.8M of outside plant construction projects including FTTH and FTTP across six rural Independent Operating Companies within the 3 states of AL, MS and TN during budget year 2009. Companies included are: Bay Springs Telephone Company, Crockett Telephone Company, National Telephone Company, Peoples Telephone Company, Roanoke Telephone Company, and West Tennessee Telephone company.

➤ Bay Springs Telephone company – Successful creation

and submission of a round one ARRA Broadband Stimulus Application that was approved to fund the construction of approx 8.4\$M FTTP project consisting of 50 miles of fiber construction to serve unserved and underserved subscribers in the state of MS.



**Jan. 1990 To Dec. 1994  
Consultant Engineer**

**Joseph Fail Engineering Company  
Bay Springs, Mississippi**

➤ Work in preparation of outside plant designs, consisting of map drafting, subscriber forecasting plant designs, and cost estimates. Prepare outside plant plans and specifications and contracts, consisting of schematics, staking sheets, circuit and number assignments, and detail construction directions.

**Aug. 1989 to Dec. 1989  
Field Engineer**

**Southland Professional Engineers  
Montgomery, Alabama**

➤ Responsible for field inventory of outside plant facilities to be used in the development of mechanized records for Kemper and Lauderdale Counties in Mississippi.

**Jan. 1987 to Aug. 1989  
Facilities Engineer**

**Century Telephone Enterprises, Inc.  
Jena, Louisiana**

➤ Responsible for specific outside plant project engineering for Region 1, Northeast and Northwest Divisions.

**July 1984 to Jan. 1987  
Facilities Engineer**

**Century Telephone Enterprises, Inc.  
Jena, Louisiana**

➤ Responsible for routine outside plant engineering for six exchanges in Region 1, Northeast Division.

**Oct. 1983 to July 1987  
Facilities Engineer**

**Century Telephone Enterprises, Inc.  
Ville Platte, Louisiana**

➤ Responsible for routine outside plant

engineering for five exchanges that serve over 10,000 access lines.

**May 1982 to Oct. 1983**  
**Field Engineer**

**Beyers Engineering Company**  
**Pearl, Mississippi**

➤ Engineer in charge of staking crew, preparing As-Built Field Drawings for preparation of outside plant records.

**May 1981 to May 1982**  
**Field Engineer**

**Beyers Engineering Company**  
**Pearl, Mississippi**

➤ Work as Engineer in charge of staking crew, preparing field drawings and notes pertaining to the construction of outside plant. Work with Drafters in preparing final drawings from field work.

**Sept. 1979 to May 1981**  
**Plant Contract Supvr.**

**Beyers Engineering Company**  
**Pearl, Mississippi**

➤ Responsible for construction of outside plant facilities in four exchange of the South Central Bell Telephone Company.

**May 1979 to Sept. 1979**  
**Assistant Office Mgr.**

**Joseph Fail Engineering Company**  
**Bay Springs, Mississippi**

➤ Train and supervise personnel in the preparation of outside plant engineering work for several Independent Telephone Companies. Work with clients in problem solving, and preparation of documents for the Rural Electrification Administration. Prepare contracts for outside plant construction.

**June 1975 to May 1979**  
**Office Engineer**

**Joseph Fail Engineering Company**  
**Bay Springs, Mississippi**

➤ Work in preparation of outside plant designs, consisting of map drafting, subscriber forecasting plant designs, and cost estimates. prepare outside plant plans and specifications and contracts, consisting of schematics, staking sheets, circuit and number assignments, and detail construction directions.

**May 1974 to June 1975**  
**Field Engineer**

**Joseph Fail Engineering Company**  
**Bay Springs, Mississippi**

➤ Work as engineer in charge of staking crew, preparing field drawings and notes pertaining to the construction of outside plant. Supervise drafters in preparing final drawings from field work.

**Sept. 1973 to May 1974**  
**Assistant Engineer**

**Joseph Fail Engineering Company**  
**Bay Springs, Mississippi**

➤ Work on staking crew in the procurement of measurements and drawings for outside plant construction. Inspect the construction of outside plant and maintain As-Built construction notes. Perform drafting of final drawings from field notes. Assist in preparation of schematics.

## Edwin Holt



### Summary

Telecommunications professional with over 25 years of experience in all aspects of outside plant construction associated with broadband voice, data and video networks. Strong leadership, project management, supervisory skills, highly organized. A diligent self-motivated professional accustomed to setting and attaining high goals, able to build, lead and serve on effective teams that get the job done.

### Experience

- Feb 2009 – Present     **Joseph D. Fail Engineering Company, Inc.**     Bay Springs, MS  
**Resident Engineer, Outside Plant & Broadband Engineering**
- Jaguar Communication-implementation of a 17M RUS Broadband Loan, project utilizing FTTH, xDSL and wireless technologies to provide voice, data and video services including the construction of over 150 miles of fiber construction through-out Scott, Dodge, Mower, Steele, and Waseca counties in rural MN.
  - Jaguar Communication-implementation of a 4.6M RUS Broadband Loan, project utilizing FTTH, x DSL and wireless technologies to provide broadband voice, data and Video services, including the construction of 65 miles of fiber construction, through-out Dodge, Freeborn, Mower, Scott, Steele, Olmsted, Rice & Waseca counties in rural MN.
  - Apply leadership and project management skills to ensure that the client's engineering projects are completed in a high quality fashion and are on schedule and within budget limits.
  - Provide strategic planning, network design and product selection services to clients during network migration and expansion projects including fiber to the home/premise build-outs, optical network development, CATV upgrades to double and triple play platforms, wireless voice, wireless broadband and numerous other technologies.
- Jan 2006-Feb 2009     **Suddenlink Communications**     College Station, TX  
**Fiber Manager**
- Budget control and project management. Responsible for all planning, construction and splicing of 7.7M, 154 miles of new fiber projects within the South Texas District.
  - New project validation including feasibility and economic studies as well as the preparation and presentation of Technical Project Presentations to customers.
  - Developing and implementing technical solutions to address the business communication and networking goals of customers.
  - Responsible for the overseeing of over 1M glass miles of fiber.
- May 1984-Jan 2006     **Contracted to Various Telecom Providers & Contractors**     Irving, TX  
**Construction Project Management**
- Verizon: Planning/Construction FTTH in the Irving, Grapevine, & Keller Texas area totaling 10.2M over 200 miles of fiber to the home.
  - Resident Engineering and Inspection for dozens of OSP cable construction projects.
- Education**     **National Institute of Science**     Bethesda, MD  
**School of Clinical Nuclear Medicine**     1976

**Carver County Open Fiber Initiative – CCOFI**

**March 25, 2010**

**Letters of Support**



Office of County Administration  
Carver County Government Center  
Human Services Building  
602 East Fourth Street  
Chaska, Minnesota 55318-2102

**CARVER  
COUNTY**

Phone (952) 361-1510  
Fax (952) 361-1581

Lawrence E. Strickling  
Assistant Secretary  
National Telecommunications and Information Administration  
U.S. Department of Commerce  
Washington, D.C. 20230

March 25, 2010

Dear Mr. Strickling:

Carver County asks that you strongly consider the overall benefits of the three applications for BTOP funding for projects in the seven-county Metropolitan Area of Minneapolis and St. Paul. These three applications, the Ramsey Broadband Coalition, the Carver County Open Fiber Initiative, and the Connect Anoka County project, will facilitate a common high-speed fiber loop that will connect the seven counties (Hennepin, Ramsey, Dakota, Washington, Anoka, Scott and Carver) in the Twin Cities metropolitan region of Minnesota. Having this comprehensive infrastructure in the metro region will make existing government operations more efficient and cost-effective, and it will lay the foundation for addressing a broad range of needs in the future.

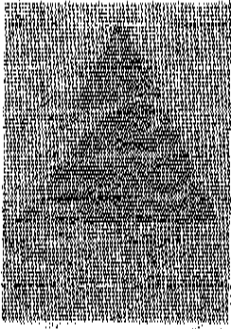
As the third-fastest growing county in Minnesota, Carver County expects to see its current population more than double by 2030. In order to keep pace with this rapid population growth in times of shrinking budgets, public entities must find ways to operate as efficiently as possible and make the best use of data and communication strategies. We have worked in partnership with a far-reaching collection of city, county and township officials, K-12 schools, fire departments, public safety and law enforcement agencies, institutions of higher learning, libraries, community support organizations, social service and healthcare organizations to design our project to be as effective as possible. The end result promises to be a cost-effective, efficient method of providing broadband services throughout the county that could not otherwise be built, a system that will improve government and business operations and the lives of our residents. Being able to connect the county's system to the other metro counties will magnify its value.

Carver County fully supports all three Twin Cities broadband projects, and we urge the National Telecommunications and Information Administration to do the same.

Please contact me if you have any questions or need more information.

Sincerely,

David Hemze  
County Administrator



# COUNTY OF ANOKA

## OFFICE OF COUNTY ADMINISTRATION

GOVERNMENT CENTER  
2100 3RD AVENUE, STE 700 • ANOKA, MN 55303-6024  
(763) 323-5700

March 24, 2010

FERRY L. JOHNSON  
County Administrator

Lawrence E. Strickling  
Assistant Secretary  
National Telecommunications and Information Administration  
U.S. Department of Commerce  
Washington, D.C. 20230

Dear Mr. Strickling:

The seven (7) Minnesota counties (Hennepin, Ramsey, Dakota, Washington, Anoka, Scott and Carver) that comprise the seven-county Metropolitan Area of Minneapolis and St. Paul are working jointly to facilitate a common high speed fiber loop to connect the seven counties and, eventually, the cities, schools and hospitals in the region. To that end, Anoka County supports the applications submitted by the Ramsey Broadband Coalition, the Connect Anoka County project and the Carver County Open Fiber Initiative. These efforts will result in a comprehensive community infrastructure to meet the needs of local government partners and create a broad foundation to address the needs of the community for high speed "open-access" fiber to support next generation applications. I urge you to give all three proposals the strongest possible consideration.

As a County government, we are well aware of the critical role that broadband access and online tools and applications play on region's future - in the development of our economy, our children's education, our access to health care, our public services and public engagement in a democracy, and the quality of our lives. But we also know that thousands of area citizens are not prepared for that future. Whether the reason is cost, education, age, fear, lack of social support, lack of exposure - or any or all of the above, thousands of our neighbors still have or are disconnected from modern broadband access in their homes. This persistent digital divide isn't just a problem for area residents stuck on the wrong side - it's a problem throughout the Twin Cities metropolitan area.

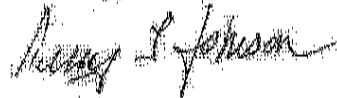
Given BTOP funding, the Ramsey Broadband Coalition, Connect Anoka County, and the Carver County Open Fiber Initiative will provide a model for what significant, forward-thinking investment in broadband can achieve. These projects will use BTOP funds to invest in backbone fiber infrastructure that will guarantee reliable, secure, and efficient high-speed connectivity among public anchor institutions and will lay the foundation for high-speed broadband connectivity to area businesses and residents.

Page 2.

This is a straightforward, common-sense approach to solve the problem that the BTOP grant is designed to solve. I strongly endorse all three projects and urge the National Telecommunications and Information Administration to do the same.

Please do not hesitate to contact us if we can provide any information or assistance.

Sincerely,



Terry L. Johnson  
County Administrator

10/1/11





# FAIL ENGINEERING

JOSEPH D. FAIL ENGINEERING CO., INC.

March 24, 2010

Mr. Donnie Smith  
Carver County Open Fiber Initiative (CCOFI)  
213 South Oak Ave.  
Owatonna, MN 55060

Dear Mr. Smith:

In support of CCOFI's Broadband Stimulus ARRA Application, Joseph D. Fail Engineering Company, Inc. (FE) offers the following pertaining to FE:

- Established in 1967 as a telecommunications engineering consulting company, FE has provided continuous service to the rural telecommunications industry since inception. We have worked with numerous companies specifically in the area of preparation of RUS/governmental loan applications through the implementation of approved loans. Currently we are working with several clients on implementation of approved loans under the RUS broadband loan program.
- Having worked with many telephone and broadband loan applicants, we are very familiar with RUS/NTIA loan application requirements, RUS construction standards and post loan procedures for the telephone and broadband loan program as well as loan application requirements under the new Broadband Infrastructure Application process.
- We have been contracted by CCOFI to aid in the preparation and submission of their ARRA Application. Being involved with their application we are familiar with all parts of the Jaguar ARRA project.
- A FE registered professional engineer in the State of Minnesota has signed off on the necessary documents required under the ARRA Application process.
- FE will comply with all facets of the Davis-Bacon Act as it pertains to ARRA requirements.
- FE is capable and ready to provide CCOFI all assistance required to implement ARRA loan requirements through project completion.
- Attached are resumes of key personnel dedicated to support your projects as required.

Fail Engineering appreciates the opportunity to work with CCOFI on creating their ARRA Application and look forward to assisting in the implementation of the approved loan.

Robert Sandhaus, P.E.  
President  
Fail Engineering

P.O. BOX 925  
27 SOUTH SECOND STREET  
BRY SPRINGS, MS 38922

T:601.769.295  
F:601.769.1000  
E:kait@faileng.com

## Jonathan C. Rodd

---

**From:** Senator Klobuchar [senator\_klobuchar@klobuchar.senate.gov]  
**Sent:** Friday, August 07, 2009 12:12 PM  
**To:** Jonathan C. Rodd  
**Subject:** Responding to your email

Dear Jonathan:

Thank you for taking the time to write to me about access to high speed internet services. This is an important issue, and I appreciate having the benefit of your comments and hearing your personal experience.

I believe that every American should have equal access to broadband technology, an increasingly critical component at home and at work. Franklin Delano Roosevelt brought us rural electrification, Dwight Eisenhower brought us the interstate highway system, and I believe an important next step for our nation's infrastructure is to bring broadband to all corners of this country. In addition to creating educational and health care opportunities, broadband can create opportunities for businesses and employment that would otherwise not exist in our rural communities. In these tough economic times, broadband deployment creates jobs – not only the direct creation of jobs in the tech sector, but also the creation of even more indirect employment opportunities by increasing access to broadband.

As a member of the Senate Commerce Committee, I am committed to bringing high speed internet to every American. I was a very early advocate that broadband communications infrastructure play a significant part of the large-scale economic recovery legislation. In December 2008 I sent a letter to President Obama urging him to consider funding for broadband as a short term and long term economic recovery and development initiative. As you may know, on December 29, 2008, I held a roundtable in St. Paul to specifically address the challenges that Minnesota residents face in gaining access to high speed internet. In early January, I was the first Senator to deliver a speech on the Senate floor describing the importance of broadband internet for the future of our education, telemedicine, employment, and keeping the U.S. competitive in a global market.

The American Recovery and Reinvestment Act that was signed into law in February 2009 included key investments in high speed internet for which I strongly advocated. The legislation allocates nearly \$7 billion to create jobs while strengthening the nation's high speed internet infrastructure and helping to deliver the technologies that can create new opportunities in rural America.

As part of the Recovery Act, the Broadband Technology Opportunities Program (BTOP) will fund eligible entities to develop and expand broadband services to unserved and underserved areas and improve access to broadband by public safety agencies. For more information on this program please visit the Department of Commerce's National Telecommunications and Information Administration's (NTIA) website at <http://www.ntia.doc.gov>.

The Recovery Act also provides \$2.5 billion to the US Department of Agriculture's Rural Utilities Service's Broadband Loan and Grant Program. For more information on this program, please visit <http://www.usda.gov/rus/telecom/broadband.htm>.

The US Department of Agriculture, the Federal Communication Commission (FCC) and the NTIA are jointly developing guidelines for awarding these funds. There was a public comment period from March 12, 2009 to April 13, 2009. Eligibility requirements, the application process, scoring criteria, and deadlines for applying for funds will all be published on the USDA Rural Development and NTIA websites within the coming weeks.

I encourage you to follow the development of the rules for these two programs in order to be aware of when grant applications are due. I will keep your concerns in mind as we in the Senate carry out oversight of these programs and consider future relevant broadband initiatives.

Again, thank you for taking the time to contact me. One of the most important parts of my job is listening to what the people of Minnesota have to say to me. I am here in our nation's capital to do the public's business and to serve the people of our state. I hope you will contact me again about matters of concern to you.

Sincerely,

Amy Klobuchar  
United States Senator

**CITY OF CHANHASSEN  
CARVER AND HENNEPIN COUNTIES, MINNESOTA**

DATE: August 10, 2009 RESOLUTION NO: 2009-60

MOTION BY: Litsey SECONDED BY: McDonald

**A RESOLUTION SUPPORTING CARVER COUNTY'S APPLICATION  
FOR AMERICAN RECOVERY AND REINVESTMENT ACT FUNDS  
TO EXPAND BROADBAND ACCESS IN CARVER COUNTY**

**WHEREAS**, the Chanhassen City Council is the official governing body of the City of Chanhassen; and

**WHEREAS**, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings, and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

**WHEREAS**, the City of Chanhassen will benefit by reducing operating expenses, improving connectivity, and having an additional economic development asset in the community; and


**WHEREAS**, the City of Chanhassen will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

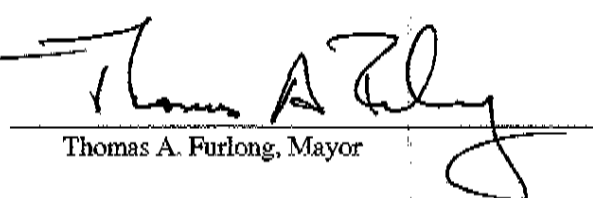
**WHEREAS**, the business owners and residents of the City of Chanhassen will benefit from this public/private partnership by having an opportunity to obtain a broadband connection.

**NOW, THEREFORE, BE IT RESOLVED** that the City of Chanhassen supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

Passed and adopted by the Chanhassen City Council this 10<sup>th</sup> day of August, 2009.

ATTEST

  
Todd Gerhardt, City Manager

  
Thomas A. Furlong, Mayor

YES  
Furlong  
Litsey  
McDonald  
Tjornhom

NO

ABSENT  
Ernst

**BOARD OF COUNTY COMMISSIONERS  
CARVER COUNTY, MINNESOTA**

DATE August 10, 2009 RESOLUTION NO. 2009-2  
 MOTION BY Ken Kassulker SECONDED BY Kent Kassulker

Whereas, the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

Whereas, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

Whereas, the City/Township/School District of \_\_\_\_\_ will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

Whereas, the City/Township/School District of \_\_\_\_\_ will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

Whereas, the residents and business owners in the City/Township/School District of \_\_\_\_\_ will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

Now, Therefore, Be It Resolved, the City/Township/School District of \_\_\_\_\_ hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

YES	ABSENT	NO
<u>Curtis Tharment</u>	_____	_____
<u>Chair Holly Wood</u>	_____	_____
<u>Ken Kassulker</u>	_____	_____
<u>Ken Kassulker</u>	_____	_____
_____	_____	_____

STATE OF MINNESOTA  
 COUNTY OF CARVER

I, \_\_\_\_\_, duly appointed and qualified County Administrator of the County of Carver, State of Minnesota, do hereby certify that I have compared the foregoing copy of this resolution with the original minutes of the proceedings of the Board of County Commissioners, Carver County, Minnesota, at its session held on the 23rd day of June, now on file in the Administration office, and have found the same to be a true and correct copy thereof.

Dated this 14th day of July, 2009

County Administrator \_\_\_\_\_

**Board of Supervisors  
Watertown Township**

DATE 08-03-09 RESOLUTION 08-03-2009  
MOTION BY \_\_\_\_\_ SECONDED BY \_\_\_\_\_

---

Whereas, the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

Whereas, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

Whereas, the Township of Watertown will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

Whereas, the Township of Watertown \_\_\_\_\_ will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

Whereas, the residents and business owners in the Township of Watertown \_\_\_\_\_ will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

Now, Therefore, Be It Resolved, the Township of Watertown hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.


YES	ABSENT	NO
<u>Scott Hoese</u>	<u>Neil Johnson</u>	_____
<u>Si Tesch</u>	_____	_____
_____	_____	_____
_____	_____	_____

---

STATE OF MINNESOTA  
COUNTY OF CARVER

I, Ann Bruner, duly appointed and qualified Clerk of Watertown Township, State of Minnesota, do hereby certify that I have compared the foregoing copy of this resolution with the original minutes of the proceedings of Watertown Township, Minnesota, at its session held on the 3<sup>rd</sup> of August, now on file in the Administration office, and have found the same to be a true and correct copy thereof.

Dated this 3<sup>rd</sup> Day of August 3, 2009  
Watertown Township Clerk



**City of Mayer Resolution in  
Support of the Carver County Fiber Optic Project  
Resolution 7-27-2009-10**

Whereas, the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

Whereas, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

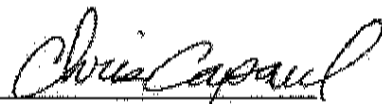
Whereas, the City of Mayer will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

Whereas, the City of Mayer will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

Whereas, the residents and business owners in the City of Mayer will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

Now, Therefore, Be It Resolved, the City of Mayer hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

Adopted by the City Council of the City of Mayer, Minnesota this 27<sup>th</sup> day of July, 2009.

  
Chris Capual, Mayor

ATTEST:  
  
Lois Maetzold, City Clerk

**CITY OF WACONIA  
RESOLUTION NO. 2009-109**

**RESOLUTION IN SUPPORT OF  
CARVER COUNTY FIBER OPTIC PROJECT**

**WHEREAS**, the American Recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

**WHEREAS**, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

**WHEREAS**, the City of Waconia will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

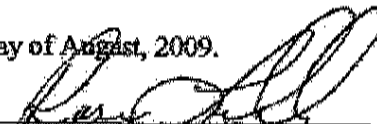
**WHEREAS**, the City of Waconia will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

**WHEREAS**, the residents and business owners in the City of Waconia will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

**NOW, THEREFORE, BE IT RESOLVED**, the City of Waconia hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

Adopted by the City Council of the City of Waconia this 3<sup>rd</sup> day of August, 2009.

ATTEST:   
Susan MH Arntz, City Administrator

  
Roger Kehrk, Mayor

M/ Millender

Bloudek Aye

Millender Aye

S/ Parpart

Nash Aye

Parpart Aye

Lehrke Aye



**CITY OF COLOGNE**  
**RESOLUTION 09\_20 SUPPORTING**  
**CARVER COUNTY'S FIBER OPTIC**  
**FUNDING REQUEST TO THE**  
**AMERICAN RECOVERY AND**  
**REINVESTMENT ACT OF 2009**

Whereas, the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

Whereas, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

Whereas, the City of Cologne will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

Whereas, the City of Cologne will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and


Whereas, the residents and business owners in the City of Cologne will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

Now, Therefore, Be It Resolved, the City of Cologne hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

Adopted by the City Council of the City of Cologne, Minnesota, this 20th day of July, 2009.

I certify that the above resolution is a true and correct copy of the minutes of the Cologne City Council dated July 20, 2009

ATTEST:

  
\_\_\_\_\_  
John Douville  
Clerk/Administrator

**BOARD OF COUNTY COMMISSIONERS  
CARVER COUNTY, MINNESOTA**

DATE July 22, 2009

RESOLUTION NO. 2009-03

Laketown Township

MOTION BY Ken Essig

SECONDED BY Charles Held

**Whereas**, the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

**Whereas**, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

**Whereas**, the Township of Laketown will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

**Whereas**, the Township of Laketown will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

**Whereas**, the residents and business owners in the Township of Laketown will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

**Now, Therefore, Be It Resolved**, the Township of Laketown hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

YES

ABSENT

NO

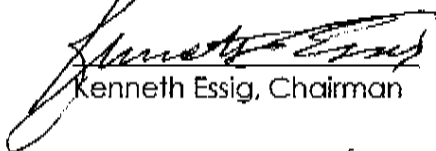
Kenneth Essig  
Charles Johnson  
Charles Held

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Passed this 10<sup>th</sup> day of August 2009

BY THE TOWN BOARD

  
Kenneth Essig, Chairman

Attest: Karen McMullen  
Karen McMullen, Clerk

RESOLUTION NO. 09-86

A RESOLUTION IN SUPPORT OF CARVER COUNTY'S APPLICATION FOR ECONOMIC STIMULUS FUNDING FOR THEIR FIBER PROJECT

WHEREAS, The American Recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and the Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

WHEREAS, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

WHEREAS, The City of Victoria will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

WHEREAS, The City of Victoria will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing.

NOW, THEREFORE, BE IT RESOLVED, that the City of Victoria City Council hereby supports the fiber optic funding requesting being made by Carver County through the American Recovery and Reinvestment Act of 2009.

Adopted this 10<sup>th</sup> day of August, 2009 by the Victoria City Council.

Mary Hershberger Thun, Mayor	AYE	Tim Amundsen	AYE
Tom O'Connor	AYE	Jim Paulsen	AYE
Kim Roden	NAY		

ATTEST:

  
Jennifer Kretsch, City Clerk

  
Mary Hershberger Thun, Mayor

CERTIFICATION

The undersigned, being the duly qualified and acting Clerk of the City of Victoria, hereby certifies the foregoing Resolution No. 09-86 is a true and correct copy of a resolution presented to and adopted by the Council of the City of Victoria at a duly authorized meeting thereof held on the 10<sup>th</sup> day of August 2009, as shown by the minutes of the aforesaid meeting in possession of the undersigned.

  
Jennifer Kretsch, City Clerk

(Seal)

RESOLUTION 125-09  
CITY OF CARVER  
BROADBAND ACCESS TO UN-SERVED AND  
UNDERSERVED COMMUNITIES

WHEREAS the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U. S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

WHEREAS Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

WHEREAS the City of Carver will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

WHEREAS the City of Carver will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

WHEREAS the residents and business owners in the City of Carver will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

NOW, THEREFORE, BE IT RESOLVED that the Carver City Council hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

Adopted by the Council of the City of Carver this 3<sup>rd</sup> day of August 2009 by a vote of 5 Ayes and 0 Nays.

  
James Weygand, Mayor

ATTEST:

  
Patricia Plekkenpol, City Clerk



# BOARD OF INDEPENDENT SCHOOL DISTRICT #108 CARVER COUNTY, MINNESOTA

DATE July 27, 2009

MOTION BY Jim Spille SECONDED BY Craig Pexa

Whereas, the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

Whereas, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

Whereas, the School District #108 will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

Whereas, the School District #108 will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

Whereas, the residents and business owners in the School District #108 will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

Now, Therefore, Be It Resolved, the School District #108 hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

YES	ABSENT	NO
Rich Schug		
Jim Spille	None	None
Dean Lind	_____	_____
Eivoy Lateig	_____	_____
Scott Knight	_____	_____
Carol Lagergren	_____	_____
Craig Pexa	_____	_____

STATE OF MINNESOTA  
COUNTY OF CARVER

I, Carol Lagergren, duly appointed and qualified Clerk of ISD #108 School Board, Carver County, State of Minnesota, do hereby certify that I have compared the foregoing copy of this resolution with the original minutes of the proceedings of the Board of ISD #108, Carver County, Minnesota, at its session held on the 27th day of July, now on file in the Administration office, and have found the same to be a true and correct copy thereof.

Dated this 27<sup>th</sup> day of July, 2009

Carol Lagergren  
Board Clerk

**BOARD OF COUNTY COMMISSIONERS  
CARVER COUNTY, MINNESOTA**

DATE JULY 21, 2009 \_\_\_\_\_ RESOLUTION NO. 2009-012 \_\_\_\_\_  
MOTION BY STEVE VANLITH SECONDED BY JIM PAUL

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Whereas, the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

Whereas, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

Whereas, the City of New Germany will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

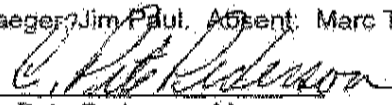
Whereas, the City of New Germany will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

Whereas, the residents and business owners in the City of New Germany will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

Now, Therefore, Be It Resolved, the City of New Germany hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

Motion passed by Steve VanLith, Shirley Jaeger, Jim Paul. Absent: Marc Trujillo

Approved this 21<sup>st</sup> day of July, 2009

  
C. Pete Pederson, Mayor

Attest:   
Joan Guthmiller, City Clerk

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STATE OF MINNESOTA  
COUNTY OF CARVER

I, \_\_\_\_\_, duly appointed and qualified County Administrator of the County of Carver, State of Minnesota, do hereby certify that I have compared the foregoing copy of this resolution with the original minutes of the proceedings of the Board of County Commissioners, Carver County, Minnesota, at its session held on the 23rd day of June, now on file in the Administration office, and have found the same to be a true and correct copy thereof.

Dated this 14th day of July, 2009

County Administrator \_\_\_\_\_

# BOARD OF COUNTY COMMISSIONERS CARVER COUNTY, MINNESOTA

DATE July 14, 2009 RESOLUTION NO. 49-09  
 MOTION BY COMMISSIONER Maluchok SECONDED BY COMMISSIONER Ische

Whereas, the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to un-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

Whereas, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

Whereas, the County of Carver will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

Whereas, the residents and business owners in County of Carver will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

Now, Therefore, Be It Resolved, the County of Carver hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

YES	ABSENT	NO
<u>Depler</u> _____	_____	_____
<u>Ische</u> _____	_____	_____
<u>Lynch</u> _____	_____	_____
<u>Maluchok</u> _____	_____	_____
_____	<u>Workman</u> _____	_____

STATE OF MINNESOTA  
COUNTY OF CARVER

I, David Henze, duly appointed and qualified County Administrator of the County of Carver, State of Minnesota, do hereby certify that I have compared the foregoing copy of this resolution with the original minutes of the proceedings of the Board of County Commissioners, Carver County, Minnesota, at its session held on the 14<sup>th</sup> day of July, 2009, now on file in the Administration office, and have found the same to be a true and correct copy thereof.

Dated this 14th day of July, 2009

  
 \_\_\_\_\_  
 County Administrator



**World Learner School**

11205D Hundertmark Road,  
Chaska, MN 55318  
952-368-7398

Deana Siekmann  
Director  
dsiekman@wlschaska.org

[www.worldlearnerschool.com](http://www.worldlearnerschool.com)

Bob Ruud  
Teaching Principal  
bruud@wlschaska.org

DATE 7-29-2009

Whereas, the American recovery and Reinvestment Act of 2009 appropriated \$7.2 billion and directed the Department of Agriculture's Rural Utilities Service (RUS) and The Department of Commerce's National Telecommunications Information Administration (NTIA) to expand broadband access to on-served and underserved communities across the U.S., increase jobs, spur investments in technology and infrastructure, and provide long-term economic benefits; and

Whereas, Carver County desires to build a fiber optic loop connecting county facilities, libraries, school district facilities, city buildings and other important local government buildings through a public/private partnership to provide service to residents and businesses; and

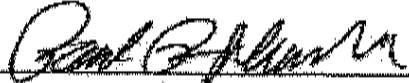
Whereas, the World Learner School will benefit by reducing operating expenses, improving connectivity and having an additional economic development asset in the community; and

Whereas, the World Learner School will benefit by allowing various facilities to connect via currently unfunded laterals to the fiber backbone providing for an interwoven network of high speed information sharing; and

Whereas, the students and faculty in the World Learner School will benefit through this public/private partnership by having an opportunity to obtain a broadband connection and increase competition amongst telecommunication companies.

Now, Therefore, Be It Resolved, the World Learner School hereby supports the fiber optic funding request being made by Carver County through the American Recovery and Reinvestment Act of 2009.

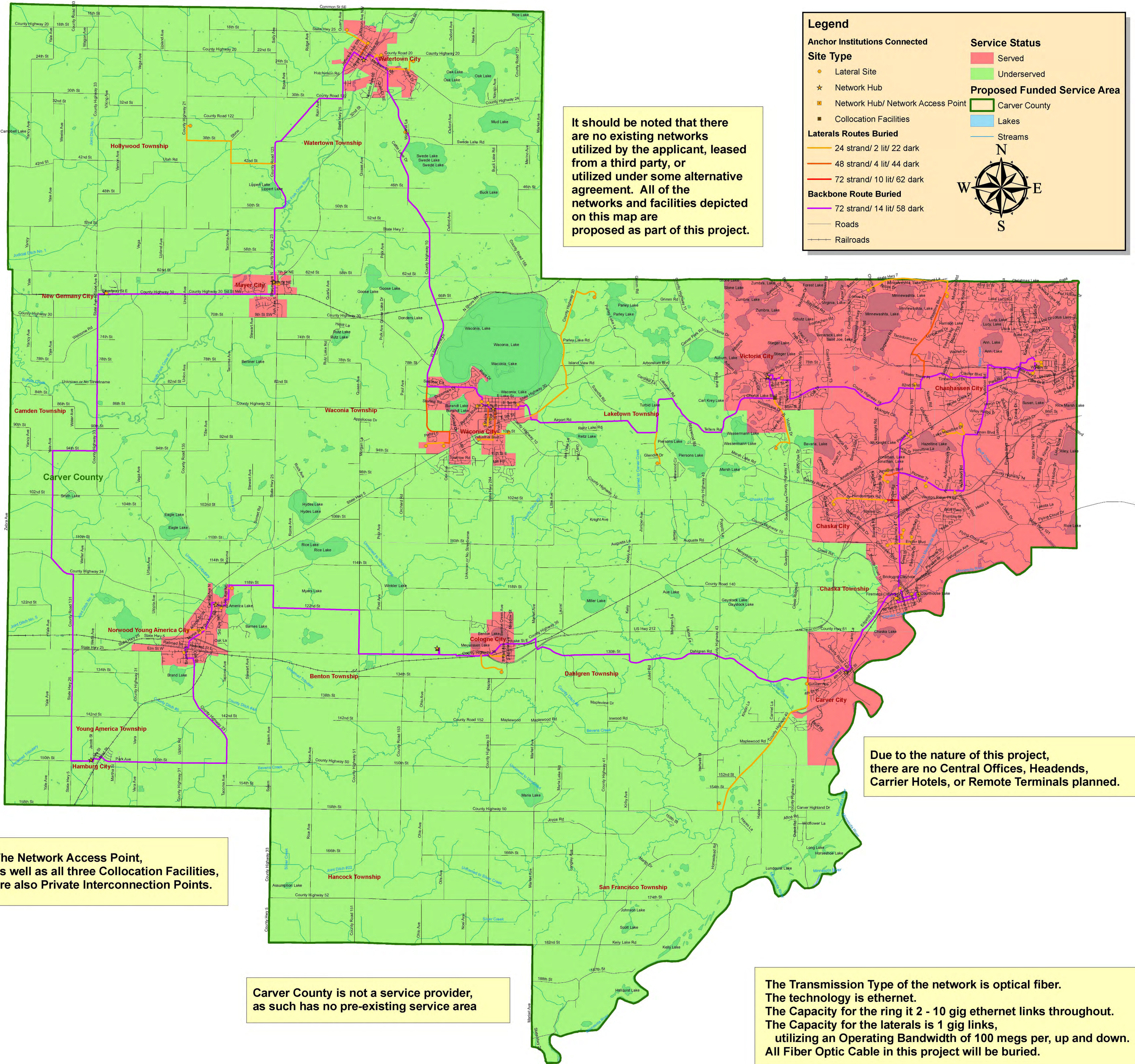
I, Chairman of the Board of Directors of World Learner School, do certify that this Resolution was passed on the 29<sup>th</sup> day of July, 2009.

signed   
PAUL JOHNSTON

Date 7-29-2009



# Carver County Open Fiber Initiative



It should be noted that there are no existing networks utilized by the applicant, leased from a third party, or utilized under some alternative agreement. All of the networks and facilities depicted on this map are proposed as part of this project.

**Legend**

<b>Anchor Institutions Connected</b>	<b>Service Status</b>
<b>Site Type</b>	<span style="display:inline-block; width:15px; height:15px; background-color:lightcoral; border:1px solid black;"></span> Served
<span style="display:inline-block; width:10px; height:10px; border:1px solid black; border-radius:50%;"></span> Lateral Site	<span style="display:inline-block; width:15px; height:15px; background-color:lightgreen; border:1px solid black;"></span> Underserved
<span style="display:inline-block; width:10px; height:10px; border:1px solid black; border-radius:50%;"></span> Network Hub	<b>Proposed Funded Service Area</b>
<span style="display:inline-block; width:10px; height:10px; border:1px solid black; border-radius:50%;"></span> Network Hub/ Network Access Point	<span style="display:inline-block; width:15px; height:15px; border:1px solid black;"></span> Carver County
<span style="display:inline-block; width:10px; height:10px; border:1px solid black; border-radius:50%;"></span> Collocation Facilities	<span style="display:inline-block; width:15px; height:15px; background-color:lightblue; border:1px solid black;"></span> Lakes
<b>Laterals Routes Buried</b>	<span style="display:inline-block; width:15px; height:15px; border:1px solid black;"></span> Streams
<span style="display:inline-block; width:15px; height:15px; border-bottom:2px solid orange;"></span> 24 strand/ 2 lit/ 22 dark	
<span style="display:inline-block; width:15px; height:15px; border-bottom:2px solid red;"></span> 48 strand/ 4 lit/ 44 dark	
<span style="display:inline-block; width:15px; height:15px; border-bottom:2px solid purple;"></span> 72 strand/ 10 lit/ 62 dark	
<b>Backbone Route Buried</b>	
<span style="display:inline-block; width:15px; height:15px; border-bottom:2px solid purple;"></span> 72 strand/ 14 lit/ 58 dark	
<span style="display:inline-block; width:15px; height:15px; border-bottom:1px solid black;"></span> Roads	
<span style="display:inline-block; width:15px; height:15px; border-bottom:1px dashed black;"></span> Railroads	



The Network Access Point, as well as all three Collocation Facilities, are also Private Interconnection Points.

Carver County is not a service provider, as such has no pre-existing service area

Due to the nature of this project, there are no Central Offices, Headends, Carrier Hotels, or Remote Terminals planned.

The Transmission Type of the network is optical fiber. The technology is ethernet. The Capacity for the ring is 2 - 10 gig ethernet links throughout. The Capacity for the laterals is 1 gig links, utilizing an Operating Bandwidth of 100 megs per, up and down. All Fiber Optic Cable in this project will be buried.

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**U.S. Department of Commerce  
Broadband Technology Opportunities Program  
Authentication and Certifications**

---

1. I certify that I am the duly Authorized Organization Representative (AOR) of the applicant organization, and that I have been authorized to submit the attached application on its behalf.
2. I certify that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or claims on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. §1001 and civil violations of the False Claims Act.
3. I certify that the entity(ies) I represent has and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.
4. I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009); the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.
5. I certify that any funds awarded to the entity(ies) I represent as a result of this application will not result in any unjust enrichment of such entity(ies) or duplicate any funds such entity(ies) receives under federal universal service support programs administered by the Universal Service Administrative Corporation (USAC).
6. I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NTIA for a waiver of the matching requirement.

3/25/10  
Date

  
Authorized Organization Representative Signature

DAVID HENZE  
Print Name

COUNTY ADMINISTRATOR  
Title



CARVER  
COUNTY

March 24, 2010

Mr. William E. Lorenzen  
USDA Natural Resources Conservation Services  
375 Jackson Street, Suite 600  
St. Paul, MN 55101-1854

Dear Mr. Lorenzen,

Carver County is currently in the process of applying for Round 2 Stimulus funds as part of the American Reinvestment and Recovery Act. Carver County's application is to create a fiber-based backbone infrastructure to multiple community anchor institutions. This fiber infrastructure will provide the necessary foundation for additional access to high-speed broadband services throughout the county and will allow residents and businesses in rural areas to compete in attracting new jobs and maintaining existing jobs.

While at this time Carver County has not been approved for stimulus funds, the county feels it is important that we keep you informed of the process. We have included a map showing the service areas that we are submitting for. If and when we are approved you will receive detailed maps of our proposed routes so we can move forward in our plans of bringing fiber infrastructure to these areas while at the same time following the guidelines and procedures of complying with rules and regulations of your organization.

When approved the burying of the fiber will be low impact construction in existing public right-of-ways; and performed by using the following construction techniques: digital directional boring and vibratory plow.

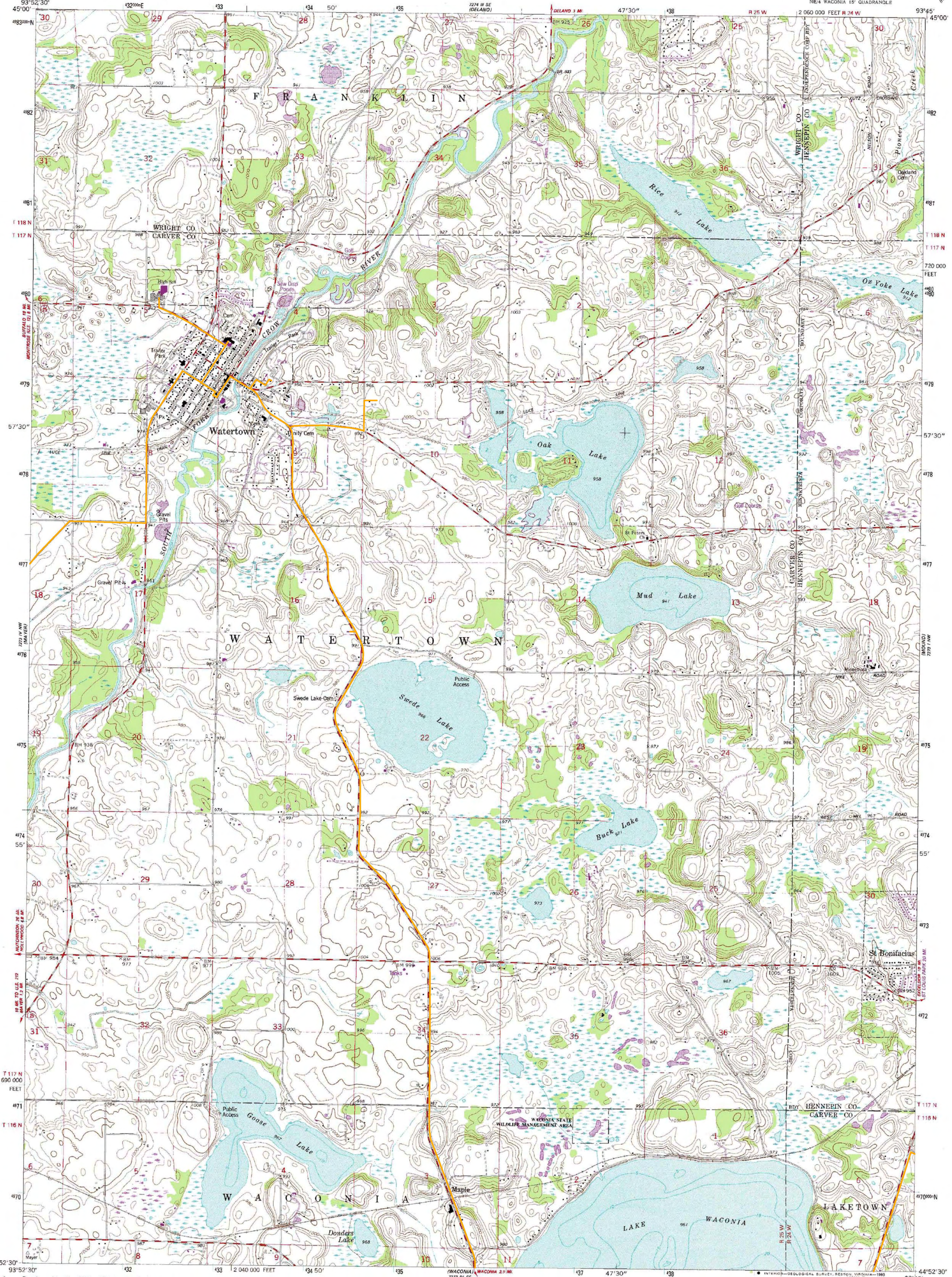
The following federal, state and county agencies are being notified of our project for their recommendations to protect existing native habitat and species of our state.

- State Historic Preservation Office
- Department of Army (COE)
- MN Pollution Control Agency
- USDA (NRCS)
- MN Department of Natural Resources (Lands and Minerals)
- Counties Soil and Water Conservation Districts

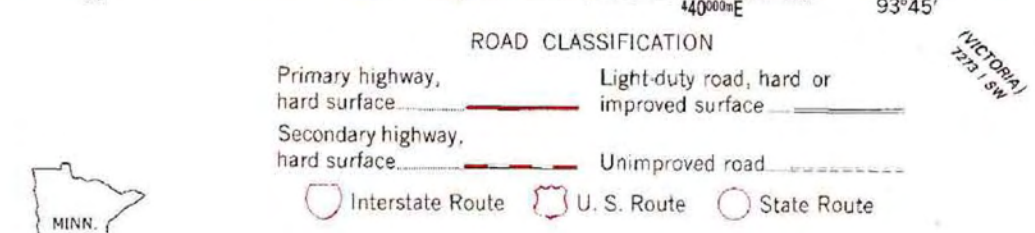
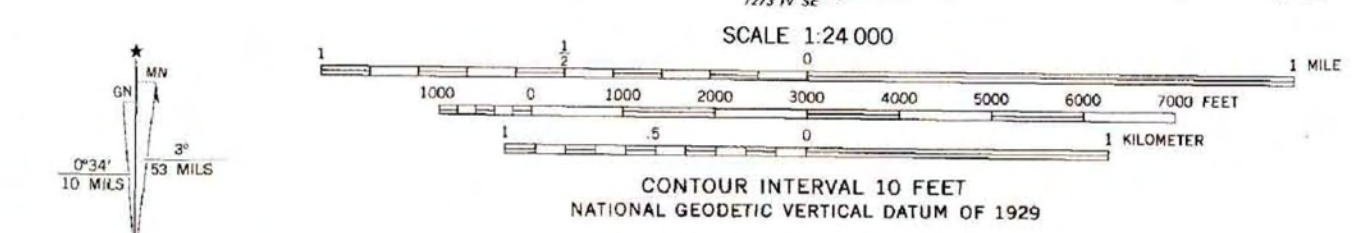
Once again Carver County will have more information sent to your agency when approved. The County and its contractors as in the past will continue to take every precaution necessary to protect our environment and we thank you in advance for your cooperation and recommendations and look forward to hearing from you. I can be contacted at 952.361.1501 or [staylor@co.carver.mn.us](mailto:staylor@co.carver.mn.us).

Sincerely,

Dave Hemze  
Carver County Administrator



Produced by the United States Geological Survey  
Control by USGS, NOS/NOAA and Minnesota Highway Department  
Topography by photogrammetric methods from aerial photographs  
taken 1975. Field checked 1976. Map edited 1981.  
Hydrography compiled from information furnished by  
Minnesota Department of Natural Resources  
Projection and 10,000-foot grid ticks: Minnesota coordinate  
system, south zone (Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue  
1927 North American Datum (NAD 27)  
North American Datum of 1983 (NAD 83) is shown by dashed corner ticks  
The values of the shift between NAD 27 and NAD 83 for 7.5-minute  
intersections are given in USGS Bulletin 1875  
There may be private showings within the boundaries of  
the National or State reservations shown on this map  
Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked



WATERTOWN, MINN.  
NE 4 WACONIA 15' QUADRANGLE  
44093H7-TF 024  
1981  
REVISED 1983  
DMA 7273 IV NE - SERIES V872

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80226, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

## **BTOP Comprehensive Community Infrastructure Service Offerings and Competitor Data Template**

Please complete the complete the following worksheets--either of the Last Mile or Middle Mile Service Offerings worksheets may be omitted if the applicant is not proposing to provide that type.

For both the Last Mile and Middle Mile Service Offerings worksheets, the service offerings should include all relevant tiers and markets (*e.g.* residential, business, wholesale). Applicants should ensure to include details on any services that would be offered at discounted rates to specific classes of customers (*e.g.* community anchor institutions or third party service providers).

In the Last Mile Service Offerings worksheet, applicants are required to provide estimated end user speeds. Average speeds should be the average sustained actual, non-burst end user speed that would be received during a peak hour. For purposes of calculating these speeds, applicants should utilize their subscriber projections for year eight of the project, and develop utilization projections that are consistent with any additional services the applicant proposes. For wireless broadband services, this speed should be an average of the speeds available across the entire cell. Beyond these general guidelines, due to the multiplicity of technical solutions that may be proposed, the applicants may use discretion to determine the most reasonable method to estimate actual speeds on their network. Applicants should explain the underlying methodology used to calculate the average speeds in the space provided.

In the Competitor Data worksheet, applicants are required to provide data on both last mile and middle mile service providers, regardless of whether the applicant proposes to offer last mile and middle mile services. In the column titled Service Areas Where Service Offered, applicants should list all of the Last Mile and Middle Mile Service Areas within their Proposed Project Area in which the listed services are available. Please ensure that the Service Areas are consistent with those provided within the application and the Service Areas attached to the application. If the actual availability of the listed services is limited (*e.g.* the service is only available within a portion of a Last Mile or Middle Mile Service Area), note this in the Other Comments column.

In contrast to several other attachment templates in this application, the data provided in this template will NOT be subject to automated processing. These templates worksheets are provided to demonstrate the level of data required and to provide a suggested format. Applicants may modify the template layouts in order to provide the most effective presentation of data for their specific project. Applicants should, however, ensure that they provide at least as much data as these templates require. To the extent that you modify these templates please ensure that the print layouts are adjusted so that rows do not break across pages in a manner that is difficult to understand. It is recommended that you provide these documents in PDF format when submitting a copy of your application on an appropriate electronic medium, such as a CD-ROM, or flash drive.

Middle Mile  
provide services of

offerings should  
providers should be  
particular  
(riders).

estimated average  
fast speeds that an  
providers, applicants  
subscriber  
plans to offer.  
available across an  
solutions that may  
manner in which  
regarding assumptions

last mile and  
for both last mile  
providers, applicants  
Funded Service  
names are  
relevant. If the  
within part of the

provided via this  
services are provided  
providers are free to  
the data for  
as much detail  
ensure that the  
will be difficult  
: when  
: a DVD, CD-



## Competitor Data

### Competitor Data - Middle Mile Service Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Distance Band or Point-to-Point	Minimum Peak Load Network Bandwidth Capacity	Pricing	Other Comments/Description/Features or Limitations
Qwest	Carver County to Chaska City	Copper- T1	Entry	DS1	1.5 Mbps	249.00 / Month	
		Fiber- Optical Transport	Highest	OC48	2488 Mbps	31,275.00 / Month	Non protected
		Fiber- Optical Transport	Mid - Tier	DS3	45 Mbps	4,072.00 / Month	
		Fiber- Optical Transport	Mid - Tier	OC3	155 Mbps	7875.00 / Month	Non protected
		Fiber- Optical Transport	Mid - Tier	OC12	622 Mbps	14,852.00 / Month	Non protected
Not Available	Carver County to Carver City	NA	NA	NA	NA	NA	
Not Available	Carver County to Chanhassen City	NA	NA	NA	NA	NA	
Not Available	Carver County to Hamberg City	NA	NA	NA	NA	NA	
Qwest	Carver County to Mayer City	Copper- T1	Entry	DS1	1.5 Mbps	440.00 / Month	
		Fiber- Optical Transport	Highest	OC3	155 Mbps	12,037.00 / Month	Non protected
		Fiber- Optical Transport	Mid - Tier	DS3	45 Mbps	4,576.00 / Month	
Not Available	Carver County to Norwood Young America	NA	NA	NA	NA	NA	
Qwest	Carver County to Victoria City	Copper- T1	Entry	DS1	1.5 Mbps	279.00 / Month	
		Fiber- Optical Transport	Highest	OC12	622 Mbps	16,394.00 / Month	Non protected
		Fiber- Optical Transport	Mid - Tier	DS3	45 Mbps	4,109.00 / Month	
		Fiber- Optical Transport	Mid - Tier	OC3	155 Mbps	8,528.00 / Month	Non protected



Qwest	Carver County to Waconia City	Copper- T1	Entry	DS1	1.5 Mbps	308.00 / Month	
		Fiber- Optical Transport	Highest	OC12	622 Mbps	18,863.00 / Month	Non protected
		Fiber- Optical Transport	Mid - Tier	DS3	45 Mbps	4,507.00 / Month	
		Fiber- Optical Transport	Mid - Tier	OC3	155 Mbps	9,685.00 / Month	Non protected