



Proposed Five-Year Capital Improvement Plan 2010-2014

Updated February 1, 2010

SAINT LOUIS COUNTY Board of Commissioners

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Introduction - St. Louis County Capital Improvement Program for Fiscal Years FY 2010 – FY 2014

Each year, as an integral part of its annual budget process, St. Louis County updates its Capital Improvement Program plan. The Capital Improvement Program (CIP) is a plan that matches the county's major capital needs regarding long-term physical development with the financial ability to meet these needs in such a manner as to better ensure the effective and efficient provision of government services and operations. The county's CIP identifies projects that have been designed to support existing or projected needs in the following areas: transportation infrastructure (roads and bridges), county facilities, land improvement/development/acquisition, equipment purchases, and technology. CIP projects require a total expenditure of at least \$100,000 and must provide for or extend the useful life of the asset for at least 5 years.

The CIP is vital to the county because it is the principal planning tool designed, and utilized strategically, to achieve growth and development as envisioned in the county's Departmental Business Plans. The county strives to balance debt issuance with current property tax levels for capital projects in a concerted effort to minimize tax burden while at the same time better aligning the organization to meet the ever changing demands placed upon local governments.

In so doing, the county maintains its strong financial standing with an assigned "Aa3" rating from Moody's Investor Services, which has been achieved on all bonds since 2005. Further, the county continually strives to more effectively and completely integrate its capital and operating budgets. It is in its striving for the balance between capital needs and operating cost implications that the strategy, structure and implementation of a CIP are of the utmost importance to the county.

Through a detailed process of prioritization, project selection, and implementation detail the CIP serves to guide the use of the limited resources that are available for capital projects. By providing a planned schedule, cost estimates, location of public sector improvements, project rationale, operating budget implications, and energy conservation considerations, the CIP local elected officials and the public with valuable information concerning proposed public facilities, transportation infrastructure, technology and capital equipment needs and their associated costs; while at the same time providing private sector decision makers with valuable information upon which to base investment decisions. Ultimately, the county will benefit from the coordination of orderly and efficient programs of private and public investment intended to maximize outside revenue sources and effectively plan for the growth and maintenance of the county's infrastructure.

Goals of the CIP

The CIP is prepared with the guidance of two major goals:

1. To address the County's immediate and long-term capital needs, the CIP is prepared with the guidance of the priorities adopted by the County Board of Commissioners in 2007:

- Maintaining a strong county infrastructure (buildings, equipment, information infrastructure and personnel) in order to protect the County's investment.
- Expanding the tax base in a way that will benefit the health and well-being of citizens.
- Managing and encouraging orderly growth in coordination with other units of government and the private sector to promote a healthy local economy.
- Providing County services in the most efficient, effective and safe manner.
- Maintaining and improving a healthy, viable ecosystem and the community's quality of life.

2. To explore all feasible funding sources (as time and resources permit) in order to finance the County's capital needs.

Funding Priorities: Projects with the following characteristics are given priority for funding:

- Enhancement of County service delivery.
- Public health and public safety – prevents or corrects a major health or safety hazard.
- Legal requirements – clearly demonstrates a mandate by State or Federal law.
- Economic development – directly increases net annual revenues and creates indirect community wealth, i.e. jobs, business retention, etc.
- Budget impact – reduces operating costs or is eligible for available funding sources.
- Relationship to other projects – completes a project that is underway or advances the effectiveness of another project.
- Implementation of Business Plans or governing body policies – directly referenced in existing plan or policy or is essential to the implementation of programs adopted by the Board of Commissioners.
- Joint use – combines two or more projects resulting in immediate or future savings.

Relationship of the CIP to the Operating Budget

The operating budget and the CIP are closely related. The CIP is a plan that matches the County's major capital needs with the financial ability to meet them. As a plan, it is subject to change, however, a sound and reliable CIP is an invaluable planning tool that serves to aid the process of maintaining the good financial health of the County. That said, the CIP remains a living document that provides a constant reference point for broad ranging organizational discussions relating to the intrinsic relationship of capital infrastructure to the operation and mission of the county as expressed in the exploration of program and service delivery modalities, the increasing need for organizational efficiencies, downward budgetary pressures from state and federal sources, and increased burdens on tax payers. As local governments are forced to evolve in a climate trending toward increasing budgetary restriction, the continued refinement of strategies that integrate all elements of an organization into any decision-making matrix is paramount to the effective provision of government services in this day and age.

CIP projects that are proposed to be funded by General Fund revenues are intended to be included in the Budget in the appropriate year(s). Even so, because circumstances may change between the adoption of the CIP and the Budget, CIP projects must be resubmitted as part of each department's annual budget request, a step which promotes additional review of project details in light of new budget realities. Funds for such projects are not available unless and until they are included in the budget approved by the County Board of Commissioners.

The completion of capital projects directly impacts a department's operating budget as projects are completed and require maintenance and upkeep. Also, some facilities may require additional staffing and utilities, such as electricity and water, above current levels. Or, conversely, some departments may find that capital investments will positively impact their operating budget through energy conservation, strategic co-locations, and other operational impacts that influence how departmental resources are utilized. County-wide strategies which are moving the organization toward energy efficiency, co-located departments, consolidated customer service centers, and the like are continually influencing CIP decision-making in a manner that seeks to improve rather than detract from operational budgets. Said impacts may not be readily evident when projects are funded and are constructed over several years. Consequently, the impacts of capital projects on the annual operating budget are estimated when available. Most projects will not have an operating impact in the year during which they are funded, thus continual tracking of associated costs on operations due to completed CIP projects feeds back into the decision-making process on CIP projects under consideration. Efforts in the area of tracking project cost payback due to energy efficiencies or other cost saving measures, which have been engineered into a CIP project, can prove to be a cost-saving measure for the county over time.

CIP Strategy, Review & Adjustment

In an effort to further the integration of capital and operating budgets while defining appropriate levels of capital infrastructure investment, St. Louis County Administration Department has worked together with the Auditor's Office, Sheriff's Office, Public Works, Property Management, MIS, Land, Environmental Services and the Planning & Development departments to strategically improve the CIP process by bringing it into closer alignment with overall county strategies as represented in the Board of Commissioner's key priority areas as stated above.

Over the past year, strategic CIP efforts have included:

- Working with Public Works to streamline its CIP submission process by building on their 10-year State Transportation Improvement Plan.
- Working with Property Management more closely on submissions so that prioritization, energy efficiency, departmental lease costs (for office space), co-locations of departments/functions, and project decision-making happens in advance of bonding cycles and in-line with broad county facility goals.
- Working with the Auditor's Office to continue to improve the information collected as part of the annual update to the CIP so as to provide the most solid basis for bond work possible.
- Working with the MIS and Planning departments to include a technology section for the first time in the CIP, this inclusion provides for large-scale infrastructure projects and systems such as our Land Records Portal.
- Working with all departments on CIP submission to enhance the information provided.
- The county is purchasing and implementing an asset management system that will help the Property Management Department more effectively track and measure facility and system life cycles, manage energy consumption and measure facility efficiency, replacement and/or improvement cost which will in turn promote more effective alignment of capital improvement needs with operating budget realities by providing a tool to measure the impact of capital investment on departmental operational budgets.
- County Administration has been working closely with departments to identify more customer friendly interface options for county facilities, which would serve to ensure public and employee safety, create a welcoming center for the delivery of county services, promote inter-departmental synergies across like or complimentary service areas, and provide for more effective and efficient utilization of current county facilities. Such projects include the Public Health and Human Services Department's centralized client in-take centers (Duluth, Virginia, Hibbing), the property/planning/records/taxation customer center (Virginia), and other projects that encourage collaboration and enhance customer service.
- Changes in the CIP submission form included the addition of an *Energy Conservation Considerations* narrative section required for all projects. As the county seeks to align its function with the Board of Commissioner's key priority area *Healthy Viable Ecosystem* coupled with its continual efforts to strive for more *Efficient and Effective Government*, county efforts to conserve energy for purposes of environmental stewardship as well as reducing the financial impacts from energy consumption in county facilities, has emerged as a key component in the county CIP project prioritization process.
- Additional strategic CIP submission form changes include the requirement to provide the date of the last project cost estimate update to ensure more accurate cost estimation or to trigger the cost estimate updates; and guidance to county departments to select "other" as

the funding sources on the form to trigger discussion on potential funding sources, strategies, and other considerations at present undefined.

- In 2009, a new federal program emerged as part of the American Recovery and Reinvestment Act. This new program provides for Recovery Zone Bonds to support and promote economic development within the county and across the country. St. Louis County may decide to utilize Recovery Zone Economic Development bonds (public-use) based on existing capital needs, timing and current debt levels. As there are major financial challenges facing the county, a thorough review of current debt levels has indicated that St. Louis County is well within established debt level parameters, has leverage debt conservatively, and is well positioned within the current market to receive competitive bid prices on projects (as has been the case throughout 2009 and is holding true in 2010). The availability of Recovery Zone Bonds has served as a catalyst for intensified review and updating of the CIP to make determinations of whether and (if) how to utilize the public allocation of this special bonding authority from the federal government. As always, the identification of capital need versus the consideration of debt levels, present market conditions, project bids and the like are viewed in light of operating budget realities both current and projected.

Financial Assumptions

The FY 2010- FY 2014 CIP has been prepared with the following financial assumptions:

- A bond issuance in 2008 which included financing for new construction and building upgrades.
- The emergence of Recovery Zone Bonds has served as a catalyst to update and review bonding opportunities in light of the current financial climate, county debt levels well within established parameters, and competitive bids received on recent county projects.
- All contributions from the General Fund have been incorporated into forecasted budgets for 2010 and 2011. Projects funded through contributions from the General Fund include transportation and operations infrastructure (buildings, roads, communications tower). The planned contributions are included in the five year projection for financial planning purposes. However, funds for such projects will not be available unless and until they are approved by the Board of Commissioners. As such, contributions to specific projects in later years are subject to change.

Criteria for Inclusion in the CIP

Conformance with Chapter 383C

Chapter 383C of the Minnesota State Statutes contains laws that are specific to St. Louis County. In 1989, the legislature amended this chapter by including a provision allowing St. Louis County to develop and implement a capital improvement program. The 2008-2013 Capital Improvement Program is intended to fulfill this statutory authority.

Conformance with Chapter 373.40 Criteria

Chapter 373.40 requires the County to prepare its capital improvement program (CIP) consistent with the eight criteria contained in Section 2, Subdivision 3 of Chapter 373.40. The information required is summarized below for each of the eight criteria.

Condition of the County's Infrastructure

St. Louis County's infrastructure includes roads and bridges, three court houses, office buildings, highway maintenance facilities, and landfill service stations and the like totaling 170 structures, 3,000 miles of road and 938 bridges. The condition of the infrastructure is reviewed on an annual basis. The CIP contains several projects that are intended to upgrade and preserve these facilities

in-line with the Board of Commissioner's strategic focus area *Strong County Infrastructure*. Additionally, proactive management, upgrade and maintenance of county facilities directly translates to cost-savings overall when facilities and infrastructure investments are planned and implemented as part of an overall county asset management strategy.

The Likely Demand for the Improvement

All the improvements proposed in the CIP have been evaluated for alternative actions including the "do nothing" alternative. Also, the CIP projects for each department are reviewed by the County Administrator's Office to ensure that each project is designed to meet a future demand of the public and the county. County efforts to develop and implement broad infrastructure improvements are continually refined in light of overall budget strategies, staffing and service efficiencies, energy efficiency, existing long-range plans, present cost-effectiveness, projected financial implications, and Board of Commissioner's key priority areas.

Estimated Costs of the Improvements

The County's CIP process requires each project's cost estimate to be as accurate as possible at the time the project is proposed. The process requires annual review and updating of each non-capital budget item. The continual review of project cost estimates, as a practice, is a critical component of the county's strategy for CIP decision-making and implementation. On-going collaborative planning between Administration and other county departments will be further enhanced by the integration of the county's new asset management system into the cost estimation process made possible by virtue of system tools and data informed by continually updated *RS Means* construction cost estimation matrix (market based national construction index).

Available Public Resources

St. Louis County has examined all potential funding alternatives to each proposed project, and has carefully protected its ability to borrow funds for infrastructure projects. The County's low level of direct debt is evidence of the success of this policy. The County Board reviews the level of direct debt on a regular basis and strives to maintain direct debt at a consistently low level. Additional consideration has been and will continue to be given to expanded bonding opportunities and strategies, which may, in turn, provide for accelerated project implementation in cases where current market conditions matched with internal county operational strategies may indicate a favorable congruence for such investment initiatives.

The Level of Overlapping Debt in St. Louis County

The CIP contains information required by Subdivision 3 of Chapter 373.40, and the process is mindful of the impacts of overlapping debt. The CIP process includes an analysis of the financial and property tax ramifications for all projects proposed for general obligation bond funding.

Relative Costs and Benefits of Alternative Uses of Funds

The CIP process requires each department to evaluate alternatives to the proposed project, as well as alternative funding for each identified project option. The CIP process further requires that the County Administrator's Office review all proposed projects to ensure that the financing options are viable and all encompassing. All projects are evaluated for lease financing versus other financing options. The county's capital infrastructure needs exceed available resources, and the county is always forced to make choices among numerous projects. Thus, careful consideration of county-wide as well as departmental priorities and strategies are a must, and as currently expressed, the CIP process allows for an open debate of the relative costs and merits of each major project. During said debates, alternative means of producing the resources necessary to complete a given project may emerge as a viable alternative to the use of bond proceeds for capital improvements.

Operating Costs of the Proposed Improvements

The CIP process requires that each department and the County Administrator's Office examine the estimated annual operating cost for each proposed project. Projects are reviewed for their impacts

on utility costs, employee safety and productivity, number of employees, and any other factor that would have a negative impact on the County's general fund or require substantial increases in fees charged to facility users. County Administration continually strives to align capital improvement needs with the regular operations of the county as an organization. The impact of capital projects on the operating budget can be severe and as such Administration works to thoroughly examine all impact areas and to develop viable methods to provide for the impact of said projects; and, in some case, to eliminate projects from the CIP due to adverse and/or cost-ineffective project proposals. Throughout the project review process, deference is given to the tempering impacts of current budgetary realities, overarching strategies and priorities of elected officials, current departmental business plans, and defined needs in light of all of the preceding elements.

Alternatives for Providing Services More Efficiently Through Shared Facilities with Other Counties or Local Units of Government

The CIP process requires each department to examine alternatives that involve the use of shared facilities. The County Administrators' Office provides a final review to ensure that each CIP and annual capital budget item has been thoroughly reviewed for use with existing facilities in other governmental jurisdictions, and for opportunities for sharing new facilities.

The county is continuing to seek methods to improve inter-departmental synergies for internal management and external service functions, and has been making great strides in this direction over the last year. Property Management, with its asset management system will endeavor to eventually include all county facilities such as those serving Public Works, Land, and Environmental Services departments' functions/needs. As a policy, the St. Louis County Board of Commissioners has directed the county Property Manager to work toward housing all county departments in county facilities. The cost-benefit analysis of using external leases versus housing county departments in county facilities has shown that the latter is more cost-effective for the taxpayers of St. Louis County.

St. Louis County 2010-2014 Capital Improvement Program

Procedures

For each proposed capital improvement project, departments are required to complete a CIP inventory form. These forms provide both general background information pertaining to the projects and detailed information, which is used to evaluate the projects. The projects are compiled by the county administrator's office. Using the inventory forms as a basis for its review, the county administrator produces a preliminary list of items. Final approval and authorization comes from the county board.

In order to provide direction and conformity in compiling the CIP, it is essential that policies and guidelines are identified to direct county decisions regarding physical improvements and the sources of funding to be utilized. In prior budgets and related documents, the St. Louis County Board has identified the following policies regarding capital budgeting:

Capital Improvement Budget Policies

- The county makes all capital improvements in accordance with an adopted capital improvement program.
- The county develops a multi-year plan for capital improvements and updates it annually.
- The county enacts an annual capital budget based on the multi-year capital improvement plan. Future capital expenditures necessitated by changes in population, real estate development, or economic base are reviewed and included in capital budget projections.
- The county coordinates development of the capital improvement budget with development of the operating budget. Future operating costs associated with new capital improvements are projected and included in operating budget forecasts.
- The county uses intergovernmental assistance to finance only those capital improvements that are consistent with the adopted capital improvement plan and county priorities in which operating and maintenance costs have been included in operating budget forecasts.
- The county maintains its assets at a level adequate to protect its capital investment and minimize future maintenance and replacement costs.
- County staff identifies the estimated costs and potential funding sources for each capital project proposal before it is submitted to the county board for approval.
- Expenditures must be a minimum of \$100,000.
- Equipment purchases must have a minimum life of five years.
- The county determines the least costly financing method for all new county projects.
- Each capital project should be fully justified in terms of reducing operating costs, improving quality or quantity of service, adhering to appropriate regulations, protecting the health and safety of employees or clients, or meeting a clearly demonstrated demand for a service.
- There should be a thorough review of alternative actions to the proposed project including the development of shared facilities, the use of non-county services or methods to meet the need, or the use of non-capital alternatives.
- Each capital project should be reviewed to determine the amount of coordination required between county departments and with non-county agencies to implement the project.
- Projects should be evaluated regarding possible deferment to a later date if such action would not adversely affect the program.
- All auxiliary costs, such as site development, utilities, or parking, must be considered as part of the capital project.
- With one exception, the Property Management Department will serve as the Capital Improvement Construction Management Unit for county facilities in St. Louis County. All Department of Public Works infrastructure and road and bridge projects will be managed by the department of Public Works in coordination with the Administrator's Office. All departments are instructed to coordinate capital improvement projects with the Director of Property Management.

Debt Policies

- The county maintains its ability to support current debt and incur additional debt at minimal interest rates and in the amounts required for infrastructure and other capital assets without endangering the ability of the county to finance essential services.
- Projects should be evaluated regarding possible deferment to a later date if such action would not adversely affect the program.
- Debt is used sparingly and only after other means of financing are fully investigated.
- No debt which becomes an obligation of the county or any of its agencies may be issued for a term longer than the reasonably expected useful life of the asset being funded, but in no event for longer than 20 years for real property or 5 years for equipment.
- The proceeds of all debt issues must be expended in compliance with all applicable state and federal laws and rules and in conformity with all covenants of the issue. Such laws, rules, and covenants must be strictly construed.
- No debt may be issued to fund normal operations of the county or any of its agencies. This does not exclude the possibility of issuing Tax Anticipation Notes as a financial and investment strategy.
- Debt must not be issued in excess of any statutory limit. The county must strive to keep the total debt burden of the county when measured as a percent of taxable market value from exceeding the median of similarly sized counties in the nation based upon figures available at the time of authorizing the issuance.
- Property tax supported debt including capital notes must not be issued beyond the point where annual debt service levy demands exceed 10% of the property tax levy (including HACA and disparity aid).
- The county must avoid, where possible, the issuance of general obligation debt by utilizing available funds, reserves, and revenue or other types of issues.

CIP Process

The CIP process begins at the beginning of the year (January) with a request to county departments for modifications, updates, additions or deletions from the previous CIP as part of the budget process. Detailed instructions for submission are provided by the Administration Department to guide the preliminary submission process, and, once complete, are followed up by in-depth project discussions, board workshop(s), public hearing and formal adoption of the CIP (updated) each winter.

Implementation Rate

Not all projects included in the 2010 capital budget will be completed during the budget year. Many projects require coordination with other agencies and businesses. St. Louis County accounting policies allow for carry forward of encumbered funds to allow for completion of projects started in one year but not finalized.

CIP Format

The 2010-2014 Capital Improvement Program is comprised of four major areas for capital improvement: roads and bridges, equipment, facilities, and technology. The project description form provides a brief description of the project and its location, the underlying purpose and justification for the project, estimated impacts on the operating budget, energy conservation considerations (if applicable), implementation details (date), funding source, cost breakdown and total project cost (estimates).

2010-2014 Capital Improvement Program by Category

Facilities Capital Projects

Projects initiated under this category include improvements aimed at maintaining the life and integrity of all county-owned facilities, reducing operating or maintenance costs through initiatives such as energy efficiency projects, acquiring new/additional office space, providing a safe and productive work environment, and ensuring safe access for the public.

The following table shows the planned contributions to capital projects:

Project	Department	FY2010	FY2011	FY2012	FY2013	FY2014
Camp Esquagama Roof Replacement	Property Mgmt	87,500	0	0	0	0
Downtown Duluth Parking Lot Repair	Property Mgmt	700,000	0	0	0	0
GSC Data Center	Property Mgmt	225,000	0	0	0	0
GSC Exterior Repairs	Property Mgmt	0	0	0	195,000	0
GSC HVAC Replace/Remodel – Phase II	Property Mgmt	0	0	0	4,200,000	0
GSC Roof Replacement	Property Mgmt	0	0	0	350,000	0
Jail Energy Upgrades – Phase I	Property Mgmt	238,000	0	0	0	0
Jail Security Control Upgrade	Property Mgmt	110,000	0	0	0	0
Old Jail Deconstruction	Property Mgmt	330,000	0	0	0	0
Property Management Capital Improvement	Property Mgmt	975,000	975,000	975,000	975,000	975,000
Public Safety Storage Barn Repair	Property Mgmt	0	0	0	280,000	0
Public Safety Campus Office Bldg.	Property Mgmt	0	0	0	0	3,500,000
Public Safety Campus Road/Storm Repair	Property Mgmt	0	0	0	680,000	0
Virginia Courthouse Campus	Property Mgmt	0	4,000,000	0	0	0
Northland Office Building Remodel – VA	Property Mgmt	0		0	3,600,000	0
Jail Expansion	Sheriff's Office	0	0	3,975,000	0	0
Rescue Squad Storage: Cook & Duluth	Sheriff's Office	0		2,500,000	0	0
TOTAL FACILITIES		2,665,500	4,975,000	7,450,000	10,280,000	4,475,000

Sources of revenue include property tax, fees, interest earnings, unrestricted grants and aids, and other forms of unrestricted local income. Actual expenditures are based on the costs of the projects and the use of carry-over balances.

Solid Waste Projects

The Solid Waste Fund accounts for the management and operations of solid waste activities in St. Louis County outside of the Western Lake Superior Sanitary District Service area. This department is now called the Environmental Services Department. The fund includes general management of solid waste activities, recycling, canister sites, transfer stations, demolition facilities, household hazardous waste, and landfill operations.

The CIP projects for this category include:

Project	Department	FY2010	FY2011	FY2012	FY2013	FY2014
Regional Landfill Access Road	Env't Svcs	430,000	0	0	0	0
Transfer Station/Road Upgrade	Env't Svcs	0	250,000	0	0	0
Regional Landfill Construction	Env't Svcs	30,000	60,000	1,100,000	0	50,000
Household Hazardous Waste – Virginia	Env't Svcs	0	150,000	0	0	0
Additional Storage Space/Recycle – Virginia	Env't Svcs	150,000	0	0	0	0

Landfill Methane Utilization/Heat/Electrical	Envnt Svcs	100,000	75,000	1,500,000	0	0
TOTAL ENVT SERVICES		710,000	535,000	2,600,000	0	50,000

Adequate cash flows are available in the Solid Waste Fund accounts to deliver the projects shown. The Environmental Services Department has provided cash flow analyses for the revenue that tie to each project.

Land Department

The Land Department manages tax forfeited trust lands for St. Louis County maximize forest health and productivity and to optimize revenue-generating capabilities. Proposed projects include:

Project	Department	FY2010	FY2011	FY2012	FY2013	FY2014
Virginia Land Office Space Addition	Land	0	276,000	0	0	0
Natural Resource Center	Land	0	0	2,700,000	0	0
TOTAL LAND		0	276,000	2,700,000	0	0

Communications

The Sheriff's Office - Communications Division is responsible for Public Safety Wireless Voice Communications throughout the County. The Federal Communications Commission has mandated that all VHF and UHF licensees meet new narrowband requirements by December 31, 2012 forcing the replacement of all of St. Louis County and partner agency communications infrastructure and end user equipment.

Project	Department	FY2010	FY2011	FY2012	FY2013	FY2014
Public Safety Wireless Communications	Sheriff	1,649,675	3,245,230	3,107,025	0	0
TOTAL COMMUNICATIONS		1,649,675	3,245,230	3,107,025	0	0

Technology

The 2010 CIP includes a section on planned technology investments submitted by the Management Information Systems (MIS) Department and the Planning and Development Department.

Project	Department	FY2010	FY2011	FY2012	FY2013	FY2014
Primary DC Server Replacement	MIS	30,000	45,000	45,000	45,000	45,000
Backup DC Server Purchase & Replacement	MIS	15,000	30,000	30,000	30,000	30,000
Primary DC/Backup Storage Network Upgrades	MIS	0	0	150,000	0	150,000
Enterprise Applications & Interfaces	Planning & Dvpt	250,000	300,000	0	0	275,000
IT Enterprise Network & Infrastructure	Planning & Dvpt	0	0	100,000	0	0
IT/GIS Enterprise Geo Data Infrastructure	Planning & Dvpt	0	300,000	300,000	300,000	300,000
TOTAL TECHNOLOGY		295,000	675,000	625,000	375,000	800,000

Public Works Building Improvements

These projects consist of constructing or maintaining the garages, shops and support facilities used by the Public Works Department in performing road and bridge construction and maintenance activities. They are aimed at reducing the operating and maintenance costs through energy savings, extending the lives of the facilities, and reducing the degradation to facilities.

The CIP projects for this category include:

Projects	Department	FY2010	FY2011	FY2012	FY2013	FY2014
Cold Storage Facilities	Public Works	225,000	0	0	0	0
Duluth Motor Pool Maintenance & Windows	Public Works	420,000				

VA Main Facility Roof Replacement	Public Works	125,000	0	0	0	0
Energy Efficient Lighting/C02 Sensors	Public Works	130,000	0	0	0	0
Meadowlands Facility Site Work	Public Works	300,000	0	0	0	0
Hibbing Roof Replacement	Public Works	0	100,000	0	0	0
Linden Grove Yard Paving	Public Works	0	150,000	0	0	0
Paint Shop Ceilings/Walls/Crane	Public Works	0	125,000	0	0	0
Maintenance Repair Facilities/Warm Storage	Public Works	0	109,000	0	0	0
Heated Wash Bay – Virginia	Public Works	0	0	550,000	0	0
Maintenance Facility Embarrass	Public Works	0	0	0	1,000,000	0
Maintenance Facility Repairs	Public Works	0	0	0	495,000	495,000
TOTAL PW FACILITIES		1,200,000	484,000	550,000	1,495,000	495,000

Public Works Road and Bridge

Projects under this category are road construction, maintenance overlays, and bridge construction and repairs financed through various sources including local funds, state and federal aid.

St. Louis County is responsible for almost 3,000 miles of road. The St. Louis County Public Works Department annually updates their 10-Year Project Plan of all construction and repairs projects. Projects are completed either by county Road and Bridge Maintenance crews or through a competitive bidding process. State and federal funding for St. Louis County averages over \$15,000,000 per year. Projects open for bid, under construction, or completed in the current year can be reviewed on the Public Works Department home page at <http://www.stlouiscounty.org/slcportal/>.

Projects	Department	FY2010	FY2011	FY2012	FY2013	FY2014
Road and Bridge Projects	Public Works	43,263,369	24,099,228	29,013,601	19,125,000	18,717,500
TOTAL ROAD & BRIDGE		43,263,369	24,099,228	29,013,601	19,125,000	18,717,500

2010-2014 CAPITAL IMPROVEMENTS PROGRAM SUMMARY

Project	Department	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Camp Esquagama Roof Replacement	Property Mgmt	87,500	0	0	0	0	87,500
Downtown Duluth Parking Lot Repair	Property Mgmt	700,000	0	0	0	0	700,000
GSC Data Center	Property Mgmt	225,000	0	0	0	0	225,000
GSC Exterior Repairs	Property Mgmt	0	0	0	195,000	0	195,000
GSC HVAC Replace/Remodel – Phase II	Property Mgmt	0	0	0	4,200,000	0	4,200,000
GSC Roof Replacement	Property Mgmt	0	0	0	350,000	0	350,000
Jail Energy Upgrades – Phase I	Property Mgmt	238,000	0	0	0	0	238,000
Jail Security Control Upgrade	Property Mgmt	110,000	0	0	0	0	110,000
Old Jail Deconstruction	Property Mgmt	330,000	0	0	0	0	330,000
Property Management Capital Improvement	Property Mgmt	975,000	975,000	975,000	975,000	975,000	4,875,000
Public Safety Storage Barn Repair	Property Mgmt	0	0	0	280,000	0	280,000
Public Safety Campus Office Bldg.	Property Mgmt	0	0	0	0	3,500,000	3,500,000
Public Safety Campus Road/Storm Repair	Property Mgmt	0	0	0	680,000	0	680,000
Virginia Courthouse Campus	Property Mgmt	0	4,000,000	0	0	0	4,000,000
Northland Office Building Remodel – VA	Property Mgmt	0	0	0	3,600,000	0	3,600,000
Jail Expansion	Sheriff's Office	0	0	3,975,000	0	0	3,975,000
Rescue Squad Storage: Cook & Duluth	Sheriff's Office	0	0	2,500,000	0	0	2,500,000
TOTAL FACILITIES		2,665,500	4,975,000	7,450,000	10,280,000	4,475,000	29,845,500
Regional Landfill Access Road	Env't Svcs	430,000	0	0	0	0	430,000
Transfer Station/Road Upgrade	Env't Svcs	0	250,000	0	0	0	250,000
Regional Landfill Construction	Env't Svcs	30,000	60,000	1,100,000	0	50,000	1,240,000
Household Hazardous Waste – Virginia	Env't Svcs	0	150,000	0	0	0	150,000
Additional Storage Space/Recycle – Virginia	Env't Svcs	150,000	0	0	0	0	150,000
Landfill Methane Utilization/Heat/Electrical	Env't Svcs	100,000	75,000	1,500,000	0	0	1,675,000
TOTAL ENVT SERVICES		710,000	535,000	2,600,000	0	50,000	3,895,000
Virginia Land Office Space Addition	Land	0	276,000	0	0	0	276,000
Natural Resource Center	Land	0	0	2,700,000	0	0	2,700,000
TOTAL LAND		0	276,000	2,700,000	0	0	2,976,000
Public Safety Wireless Communications	Sheriff	1,649,675	3,245,230	3,107,025	0	0	8,001,930
TOTAL COMMUNICATIONS		1,649,675	3,245,230	3,107,025	0	0	8,001,930
Primary DC Server Replacement	MIS	30,000	45,000	45,000	45,000	45,000	210,000
Backup DC Server Purchase & Replacement	MIS	15,000	30,000	30,000	30,000	30,000	135,000
Primary DC/Backup Storage Network Upgrades	MIS	0	0	150,000	0	150,000	300,000
Enterprise Applications & Interfaces	Planning & Dvpt	250,000	300,000	0	0	275,000	825,000
IT Enterprise Network & Infrastructure	Planning & Dvpt	0	0	100,000	0	0	100,000
IT/GIS Enterprise Geo Data Infrastructure	Planning & Dvpt	0	300,000	300,000	300,000	300,000	1,200,000
TOTAL TECHNOLOGY		295,000	675,000	625,000	375,000	800,000	2,770,000

2010-2014 CAPITAL IMPROVEMENTS PROGRAM SUMMARY (continued)

Projects (continued)	Department	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Cold Storage Facilities	Public Works	225,000	0	0	0	0	225,000
Duluth Motor Pool Maintenance & Windows	Public Works	420,000					420,000
VA Main Facility Roof Replacement	Public Works	125,000	0	0	0	0	125,000
Energy Efficient Lighting/C02 Sensors	Public Works	130,000	0	0	0	0	130,000
Meadowlands Facility Site Work	Public Works	300,000	0	0	0	0	300,000
Hibbing Roof Replacement	Public Works	0	100,000	0	0	0	100,000
Linden Grove Yard Paving	Public Works	0	150,000	0	0	0	150,000
Paint Shop Ceilings/Walls/Crane	Public Works	0	125,000	0	0	0	125,000
Maintenance Repair Facilities/Warm Storage	Public Works	0	109,000	0	0	0	109,000
Heated Wash Bay – Virginia	Public Works	0	0	550,000	0	0	550,000
Maintenance Facility Embarrass	Public Works	0	0	0	1,000,000	0	1,000,000
Maintenance Facility Repairs	Public Works	0	0	0	495,000	495,000	990,000
TOTAL PW FACILITIES		1,200,000	484,000	550,000	1,495,000	495,000	4,224,000
Road and Bridge Projects	Public Works	43,263,369	24,099,228	29,013,601	19,125,000	18,717,500	134,218,698
TOTAL ROAD & BRIDGE		43,263,369	24,099,228	29,013,601	19,125,000	18,717,500	134,218,698

2010 – 2014 CAPITAL IMPROVEMENTS SUMMARY OF REVENUES BY DEPARTMENT

	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Property Management/Facilities						
Property Tax	1,675,400	975,000	975,000	975,000	975,000	5,575,400
Bonding	110,000	4,000,000	6,475,000		3,500,000	14,085,000
Federal/State	92,600					92,600
Other	787,500					787,500
Total Property Management/Facilities	2,665,500	4,975,000	7,450,000	975,000	4,475,000	20,540,500
Environmental Services						
Bonding	-	-	-	-	-	0
Federal/State	-	-	-	-	-	0
Other	710,000	535,000	2,600,000	0	50,000	3,895,000
Total Environmental Services	710,000	535,000	2,600,000	-	50,000	3,895,000
Land Department						
Bonding	-	2,700,000	-	-	-	2,700,000
Other	276,000	-	-	-	-	276,000
Total Land Dept	276,000	2,700,000	-	-	-	2,976,000
Communications						
Bonding	1,649,675	-	-	-	-	1,649,675
Other	-	3,245,230	3,107,025	-	-	6,352,255
Total Communications	1,649,675	3,245,230	3,107,025	-	-	8,001,930
Technology						
Other	295,000	675,000	625,000	375,000	800,000	2,770,000
Total Technology	295,000	675,000	625,000	375,000	800,000	2,770,000
Public Works Facilities						
Property Tax	480,000	484,000	550,000	495,000	495,000	2,504,000
Bonding	300,000	-	-	1,000,000		1,300,000
Other	420,000					420,000
Total PW Facilities	1,200,000	484,000	550,000	1,495,000	495,000	4,224,000
Public Works Road & Bridge						
Local Cost	7,704,299	6,752,700	6,619,728	6,257,500	5,880,000	33,214,227
State Cost	9,155,111	10,438,611	9,976,470	7,592,000	10,782,500	47,944,692
Federal Cost	13,839,800	2,745,943	6,680,387	2,875,500	1,585,000	27,726,630
Miscellaneous Cost	12,564,159	4,161,974	5,737,016	2,400,000	470,000	25,333,149
Total PW Road & Bridge	43,263,369	24,099,228	29,013,601	19,125,000	18,717,500	134,218,698

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Camp Esquagama Main Lodge Roof Replacement

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2010

End Year: 2010

Purpose & Justification

The Camp's main lodge roof is well beyond its life expectancy. It is leaking in several locations. To ensure the viability of the 75 year old structure and to ensure it is still in existence for the next 75 years, a new roof is required. Continued patching and the persistent leaks have begun to compromise the building's structural components.

Description & Location

The Camp is located 4.5 miles south of Biwabik and has been owned by St. Louis County since it was built in 1934. The St. Louis County Promotional Bureau operates the Camp. The main lodge is constructed of logs and has an existing asphalt shingle roof in very poor condition. The lodge contains camper sleeping quarters, business office, commercial size kitchen, a dining hall, and a performance area with a stage.

Attachments Prepared:

Effect on Operating Budget

No net effect on the County's operating budget. This project will reduce repair, maintenance, and long term capital costs for the county, and commence a new life cycle for the main lodge roof. It will ensure the integrity of the building and structure, and with an insulated roof the camp would be able to extend the shoulder season (spring & fall) operations creating more revenue opportunities, thereby potentially lowering the county's contribution for the camp's budget.

Energy Conservation Considerations, if applicable

Having an insulated roof on the camp's main lodge would lower heating costs.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$87,500	\$87,500	Land Acquisition	
2011						Construction	\$87,500
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$87,500	\$87,500	Other	
						Total Cost	\$87,500

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Downtown Duluth Area Parking Lot Repairs/Upgrades & Ramp Access Road Repairs

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2010

End Year: 2010

Purpose & Justification

The parking ramp access road has a 180 degree radius and years of use, salt, and erosion have resulted in a need for total replacement of bituminous, curbs, butters and storm water control means. The small lot behind the motor pool building is included in this project. The GSC lot is comprised of over 1/2 city block and is in need of retaining wall replacement, sub-surface preparation, and bituminous replacement. There is presently no storm water retention, but this project will meet this mandate. All the parking surfaces are basically filled in basements and foundations of demolished buildings. The resulting layout and use of space is inefficient and contains much "wasted" space. Lot security will be improved - pedestrian safety will be improved.

Description & Location

The Courthouse parking ramp access road is located directly between the ramp and the courthouse. It is situated on a steep hill and has 180 degree radius. The flat surface lot adjacent to the 3rd St. ramp will be extended. One small lot directly behind the motor pool building will be renovated. The GSC flat surface lot is located on the upper side of Second Street across from the GSC. All of these driving / parking surfaces, curbs, and gutters are in very poor condition and require major repairs. This project will incorporate environmental considerations for cooler surface (gray bituminous), storm water control, shade trees, solar powered lighting, aestically pleasing, and implement other similar design considerations. It will be an environmental model project.

**Attachments
Prepared:**
Effect on Operating Budget

Lower maintenance and repair costs, commence new parking lot and driveway life cycles (20 years). Ongoing electrical lighting costs will be greatly reduced.

Energy Conservation Considerations, if applicable

The solar lighting will eliminate monthly electrical costs.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$700,000	\$700,000	Land Acquisition	
2011						Construction	\$630,000
2012						Consulting	\$70,000
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$700,000	\$700,000	Other	
						Total Cost	\$700,000

Date project estimate last updated: **Jan 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Duluth Government Services Center (GSC) Data Center Relocation/Upgrade

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2010

End Year: 2010

Purpose & Justification

The current County data center is in a poor location, is oversized, obsolete, in poor condition, and in need of a new location with a new HVAC system. Relocating from the 4th floor of the Government Services Center (GSC) to the basement will reduce the utility costs by approximately half. This will also open up office space on the GSC 4th Floor to continue implementing the master space plan. The data center presently has no dedicated back-up power supply and the uninterruptable power supply (UPS) is at the end of its life cycle. Its present location, design, HVAC system, and operations are remnants of county leasing days at the GSC.

Description & Location

The main County MIS data center is located on the 4th floor of the GSC at 320 West 2nd Street in Duluth. Presently, the computer system has a very nice view of Lake Superior. The new data equipment center would be located in the GSC basement level in a "self-contained" environment. The new data center will be dark (unmanned), have a dedicated emergency generator, a new un-interruptible power supply (UPS), a dedicated HVAC system, and dedicated electrical and communications infrastructure.

Attachments Prepared:

Effect on Operating Budget

This project will save space, significantly lower utility costs (estimates exceeding 50%), increase MIS reliability, and allow for the continued implementation of the master space plan use of the vacated space. MIS network maintenance and downtime will be reduced via new UPS and dedicated emergency power supply.

Energy Conservation Considerations, if applicable

The existing data center uses extremely inefficient and outdated HVAC, UPS, and related equipment & systems. A "free cooling" system would be designed to capture "waste" chilled water and cold outdoor climate opportunities. The data center presently uses approx. \$3,500 per month in electricity, and this relocation and upgrade will reduce this by 50% to 70%.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$180,000		\$45,000		\$225,000	Land Acquisition	
2011						Construction	\$125,000
2012						Consulting	\$20,000
2013						Furnishing/Equip	\$80,000
2014						Contingency	
TOTAL	\$180,000		\$45,000		\$225,000	Other	
						Total Cost	\$225,000

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Government Services Center Exterior Repairs

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2013

End Year: 2013

Purpose & Justification

The Government Services Center (GSC) facility is approximately 30 years old. Exterior tuck pointing, flashing, window sealing, face brick repair / replacement, and other exterior repairs are necessary. Water is infiltrating the building shell causing damage and affecting the maintenance, repair and operating budgets. Face bricks are working loose and delaminating, and the potential for inner wall cavity mold growth is increasing.

Description & Location

The GSC facility is located at 320 West 2nd Street in Duluth. The facility presently houses most non-court / non-law enforcement related county staff for the Duluth area. The public visits the GSC more than any other facility in the county. The acquisition of this facility is the king pin for resolving the Duluth area space needs and public service needs, and diligent maintenance & repair are paramount.

Attachments Prepared:

Effect on Operating Budget

Lower operating, maintenance, and repair costs and prevent water and potential mold damage. Exterior maintenance will commence a new life cycle.

Energy Conservation Considerations, if applicable

A tighter building envelope will lower heating and cooling expenses.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$180,000
2012						Consulting	\$15,000
2013		\$195,000			\$195,000	Furnishing/Equip	
2014						Contingency	
TOTAL		\$195,000			\$195,000	Other	
						Total Cost	\$195,000

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Government Services Center HVAC Upgrades and Related Remodeling - Phase II

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2013

End Year: 2014

Purpose & Justification

The Government Services Center's (GSC) HVAC system has a poor design, is 30 years old, is failing, and does not do an adequate job of meeting current fresh air and energy codes. Major HVAC replacement (Phase II) and office space remodeling cannot commence until the State office leases expire in August of 2012. The new HVAC system will meet all energy, ventilation, life safety, and building codes. A new building control system / energy management system will be included in this project.

Description & Location

This project would upgrade the core HVAC, electrical, fire safety and other basic infrastructure systems in the facility. The GSC is located at 320 West 2nd Street in Duluth. Phase I (GSC 6th Floor) was completed 4 years ago at a cost of \$600,000. The cost estimates are based on this historic cost plus funding for modular office furniture & equipment that is also 30 years old and will require replacement in several areas. This phase includes major office space remodeling to satisfy the master space plan for Duluth. This project will address the staff and public safety issues existing in the present design.

Attachments Prepared:

Effect on Operating Budget

New, efficient, properly operating HVAC systems would lower operating, maintenance and repair costs, and start new equipment life cycles. Remodeled office space would increase staff efficiency in the delivery of public services. Indoor air quality issues will be resolved resulting in improved staff satisfaction and productivity.

Energy Conservation Considerations, if applicable

This project will allow for the complete control of the building's operating systems, high efficiency HVAC, lighting, water conservation, heating & cooling cost reductions, and other energy savings. The estimated utility cost savings are approx. 20%.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$3,150,000
2012						Consulting	\$300,000
2013		\$4,200,000			\$4,200,000	Furnishing/Equip	\$750,000
2014						Contingency	
TOTAL		\$4,200,000			\$4,200,000	Other	
						Total Cost	\$4,200,000

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Government Services Center (GSC) Roof Replacement

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2013

End Year: 2013

Purpose & Justification

The GSC roof will be 32 years old in 2013, and has outlived the standard roof life cycle. The roof has several leaks, several areas of wet insulation, and requires on-going maintenance and repairs. The roof has only marginal insulation and is in need of total replacement. The new roof will be constructed with a "white" membrane to extend it's life, reduce repairs, and lower utility costs.

Description & Location

The GSC building is located in downtown Duluth and is the main office building for the County.

Attachments Prepared:

Effect on Operating Budget

Lower operating, maintenance and repair costs for the County. Commence a new life cycle for the GSC roof.

Energy Conservation Considerations, if applicable

This project will lower utility costs from the additional insulation, removal of the compromised insulation, and UV heat reflection via the roof's white membrane. The roof will be designed and constructed to accept future Photo Voltaic (PV) electricity generating panels. The installation of PV will greatly reduce the electrical demand costs experienced in this facility.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$329,000
2012						Consulting	\$21,000
2013		\$350,000			\$350,000	Furnishing/Equip	
2014						Contingency	
TOTAL		\$350,000			\$350,000	Other	
						Total Cost	\$350,000

Date project estimate last updated: **Jan 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Jail Energy Upgrades - Phase 1

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2010

End Year: 2011

Purpose & Justification

The County Jail was built in 1995 with no consideration to energy conservation. The utility costs for gas, water, sewer, and electricity are staggering - electricity approx \$110,000, natural gas approx \$145,000, water & sewer approx \$80,000, and those are 2009 rates. Phase 1 of the jail energy conservation project will concentrate on water conservation and hot water production (gas consumption reduction). The heating boilers presently heat the domestic hot water which is cheap to initially install, but grossly expensive to operate. We will install 2 commercial gas water heaters and shut down the boilers during the non heating season. Water saving fixtures will be installed throughout, and a solar hot water heating system will be installed on the roof.

Description & Location

The county jail is located on Haines Road in Duluth, and was constructed in 1995. It is a 24/7/365 facility housing 168 prisoners, and is at full occupancy.

**Attachments
Prepared:**
Effect on Operating Budget

This will significantly reduce gas, water and sewer utility costs. It will reduce overtime for boiler start up calls, and emergency repairs. It will extend the life cycle of the boilers. It will reduce electrical costs for pumps and fans that can be turned off. It will reduce ongoing maintenance and repair costs. The payback is estimated at less than 5 years.

Energy Conservation Considerations, if applicable

This project will reduce water heating costs by an estimated 50%, water & sewer cost savings are estimated at 30%, and electricity reduction of approx 5%.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$190,400		\$47,600		\$238,000	Land Acquisition	
2011						Construction	\$220,000
2012						Consulting	\$18,000
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$190,400		\$47,600		\$238,000	Other	
						Total Cost	\$238,000

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Jail Security Control Upgrade

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2010

End Year: 2010

Purpose & Justification

The jail security control and door access hardware is 12 years old. The controller is in operation 24/7/365 and is used hundreds of times per day. The software system was replaced in 2009, but now the hardware components have also begun to fail at an increasing frequency. We have minimal spare parts, and the manufacturer no longer carries the parts as they have become obsolete. To bring the hardware and touch screens up to date for the next decade, they need replacement. The door control system's continued operation is vital to the jail's security and function, and failure or extended downtime would be disastrous and constitute an emergency.

Description & Location

The County Jail is located on Haines Road in Duluth, and was built in 1995. It continues to experience full occupancy, and the building infrastructure, equipment, security system, walls, floors, HVAC systems, and all structures and components all take a constant beating.

Attachments Prepared:

Effect on Operating Budget

Reduce maintenance and repair expenses. Cost avoidance for per diem & transportation (relocation of prisoners) and/or very significant overtime cost for additional Corrections Officers to physically open each door to accompany prisoner movement hundreds of times per day.

Energy Conservation Considerations, if applicable

N/A

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010		\$110,000			\$110,000	Land Acquisition	
2011						Construction	
2012						Consulting	
2013						Furnishing/Equip	\$110,000
2014						Contingency	
TOTAL		\$110,000			\$110,000	Other	
						Total Cost	\$110,000

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Old Jail Deconstruction

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2010

End Year: 2010

Purpose & Justification

This building has been vacant for several years and is considered surplus for the county. Several re-use studies have been performed, with no viable re-use discovered. The county has attempted to sell the property, but to date there has been no firm interest. All of the utility connections to the building have been disconnected for safety reasons, and the continued presence of this structure continues to be a liability to the county.

Description & Location

Located in downtown Duluth across 2nd St., and directly behind the courthouse. The building was built in 1923, condemned for prisoner holding in the late 1980's, and replaced by a new jail in 1995.

**Attachments
Prepared:**
Effect on Operating Budget

The conversion of this site to a parking area will provide additional parking revenue of approximately \$17,000 annually.

Energy Conservation Considerations, if applicable

All energy consumption - both by utilities and county staff will be eliminated.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$330,000				\$330,000	Land Acquisition	
2011						Construction	\$320,000
2012						Consulting	\$10,000
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$330,000				\$330,000	Other	
						Total Cost	\$330,000

Date project estimate last updated: **Jan 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Property Management Capital Improvement

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2010

End Year: 2013

Purpose & Justification

This capital budget is used for all major county capital improvement project's planning and designing expenses. This fund is also used for all capital repairs, upgrades, emergency repairs, equipment replacement, and improvements that are not individually large enough for their own CIP plan or are unscheduled unplanned changes and emergencies.

Description & Location

All facilities that the Property Management Department is responsible for require a wide variety of repairs, maintenance, improvements, and equipment replacement. This fund is also used for all major capital improvement projects (including bonded) for planning and design funding.

**Attachments
Prepared:**
Effect on Operating Budget

Proper planning reduces project cost by minimizing change orders, unrealistic schedules compression, general material/labor waste and other project related inaccuracy costs. Preventive maintenance, timely equipment repairs/replacement, and correct general maintenance practices ensure maximum life cycle and performance on County facility assets.

Energy Conservation Considerations, if applicable

All capital projects (maintenance, repair, remodeling, and upgrades) performed by Property Management are designed and implemented to reduce energy consumption, extend life cycles, and lower maintenance/repair costs. Renewable energy projects are also funded from this budget resulting in continued reduction in energy use.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$975,000				\$975,000	Land Acquisition	
2011	\$975,000				\$975,000	Construction	\$3,575,000
2012	\$975,000				\$975,000	Consulting	\$300,000
2013	\$975,000				\$975,000	Furnishing/Equip	\$1,000,000
2014	\$975,000				\$975,000	Contingency	
TOTAL	\$4,875,000				\$4,875,000	Other	
						Total Cost	\$4,875,000

Date project estimate last updated: **Jan 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Public Safety Campus Storage Barn Repairs

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2013

End Year: 2013

Purpose & Justification

The Public Safety Campus storage barn roof is failing, the exterior stucco coating is falling off, the fascia, trim, and soffit are rotting, the windows have fallen out, and the structural columns need to be reinforced. This building is well worth saving and needs to be revitalized, as the replacement cost is estimated at \$680,000. The Sheriff's Rescue Squad has dire secure space storage needs, and uses this building for storage of equipment and small vehicles.

Description & Location

The Public Safety Campus storage barn was originally the dairy barn / hay barn for the Cook Home Poor Farm. It is presently utilized as a storage building for the Sheriff's Rescue squad equipment. It is located on the Public Safety Campus and is approximately 8,500 sq/ft in size.

Attachments Prepared:

Effect on Operating Budget

Lower operating, maintenance, and repair costs. Eliminate storage space lease costs. If not repaired, the replacement cost is estimated to be \$680,000 (\$80 sq/ft @ 8,500 sq/ft).

Energy Conservation Considerations, if applicable

N/A

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$250,000
2012						Consulting	\$30,000
2013		\$280,000			\$280,000	Furnishing/Equip	
2014						Contingency	
TOTAL		\$280,000			\$280,000	Other	
						Total Cost	\$280,000

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** St. Louis County Public Safety Campus Office Building

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2012

End Year: 2013

Purpose & Justification

The headquarters for the St. Louis County Land Department and Extension Service are presently housed in the GSC building in downtown Duluth. Their operations and clientele do not require close physical proximity to other county departments and the space they occupy is identified for use by county departments that do require close physical adjacencies. Additionally, the County Safety & Risk Management division will also be located in this facility eliminating their parking and lease issues. Offices and storage areas for other county departments are possible if ample space is available. These relocations are in the master space plan.

Description & Location

This project is a joint use facility which would house the St. Louis County Land Department, the County Extension Service, and County Safety & Risk Management. The former Chris Jensen building will be remodeled for this purpose. This facility is located on the Public Safety campus and is presently leased to HDG for a nursing home. The building is oversized for county's needs, so the older sections of the building would likely be demolished, leaving only the 3 story core building, as it has new boilers, a new roof, and other infrastructure upgrades.

Attachments Prepared:

Effect on Operating Budget

The facility operational costs for the County would increase when HDG terminates the lease, as they presently pay all building expenses. The efficiency of County departments at the GSC work increase as we move toward in the master space plan. Increased facility operating costs would be offset by reductions in county leased space at the Messbi Bldg, Palladio Bldg, and the Arvig Bldg. The end result will likely have no net county budget increase, as these leases total \$294,745 annually. The laundry building could also be demolished if there are no county needs, thereby decreasing county budgets further.

Energy Conservation Considerations, if applicable

The reduction in the size of the building, upgrading the HVAC system, replacing the windows, and misc. remodeling and upgrades will all be designed for maximum efficiency.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$3,125,000
2012						Consulting	\$175,000
2013						Furnishing/Equip	\$200,000
2014		\$3,500,000			\$3,500,000	Contingency	
TOTAL		\$3,500,000			\$3,500,000	Other	
						Total Cost	\$3,500,000

Date project estimate last updated: **Jan 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Public Safety Campus Roadway Repairs and Storm Water Management

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2013

End Year: 2013

Purpose & Justification

The Public Safety Campus roadway, culverts, ditches, storm water retention ponds, and storm water management system are in very poor condition. Ditches require excavation, culverts have failed, the asphalt has disintegrated, storm water ponds have filled with silt and vegetation, and outlet ditches are clogged and in need of rip/rap and excavation. Erosion of the roadway and property have become a safety issue. The City of Duluth will share in the cost of this project to serve their new Police Facility co-located with the County Sheriff's Office.

Description & Location

The Public Safety Campus access road serves the Chris Jensen Health Care facility (future county office building), the Arrowhead Juvenile Center, the County's Public Safety Building & 911 Center, and the City of Duluth Police Department facility. The bituminous road, ditches, culverts, storm water retention ponds, and storm water system infrastructure serves the entire campus and are all in need of significant repair and upgrading. Additionally, there are new storm water runoff control mandates to satisfy.

Attachments Prepared:

Effect on Operating Budget

Lower operating, repair, and maintenance costs. Start a new life cycle for the roadway and bring the storm water retention system up to MPCA standards.

Energy Conservation Considerations, if applicable

N/A

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$660,000
2012						Consulting	\$20,000
2013				\$680,000	\$680,000	Furnishing/Equip	
2014						Contingency	
TOTAL				\$680,000	\$680,000	Other	
						Total Cost	\$680,000

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Virginia Courthouse Campus

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2011

End Year: 2012

Purpose & Justification

The Virginia courthouse suffers from over-crowding, critical security issues, obsolete HVAC and mechanical infrastructure, an inefficient exterior shell, & windows, and has no energy management system. The building is long overdue for a total overhaul inside and out, including expanded space and the relocation of the Sheriff's Office staff, and reassignment of their existing space to appropriate but necessary ancillary uses. The Corrections office needs to be relocated to an expanded Virginia Annex building (an addition to be included in this project).

Description & Location

The Virginia Courthouse is located downtown and presently houses State Court staff, court rooms, 72 hour lock up, Sally Port, Sheriff's Office staff, Recorder's Office staff, County Attorney's Office staff, County Commissioners office, and ARC Probation offices. The original building was built in 1914, has 3 additions, and is on the National Register of Historic Places. It is the only courthouse in the US that has interpreter chairs built in each courtroom. This was designed to accommodate all the different languages spoken on the Iron Range (melting pot) at the turn of the last century. It is a solid building, but needs to be brought up to current standards for space use, security, technology, building envelope, and building operating systems.

**Attachments
Prepared:**
Effect on Operating Budget

This project will lower operating, maintenance, and repair costs. A new life cycle will start for the building shell and internal operating systems.

Energy Conservation Considerations, if applicable

Improving the building envelope, updating the HVAC and mechanical infrastructure, and installing an energy management system will greatly decrease the energy consumption.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011		\$4,000,000			\$4,000,000	Construction	\$3,575,000
2012						Consulting	\$240,000
2013						Furnishing/Equip	\$185,000
2014						Contingency	
TOTAL		\$4,000,000			\$4,000,000	Other	
						Total Cost	\$4,000,000

Date project estimate last updated: **Jan 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Virginia Northland Office Building Remodeling

Department: Property Management

Contact: Tony Mancuso

Extension: 5085

Start Year: 2013

End Year: 2014

Purpose & Justification

Arrowhead Regional Corrections (ARC) and the Northern Communities Credit Union have moved out of the Northland Office Building. Several County departments have experienced staffing changes. All of these issues and changes have created an opportunity to move forward on the Virginia Master Space Plan for the long term design and use of the facility. The building is laid out very inefficiently with split departments and wasted space, and with no consideration for safety or security. The HVAC and mechanical infrastructure is a cobbled configuration that is long past its life cycle.

Description & Location

The Northland Office Building (NOB) is located in downtown Virginia. This project will include remodeling of office space to consolidate department's needs and staff. The project will also include HVAC, mechanical infrastructure & systems replacement, life safety systems upgrades, and a HVAC / Energy Management system. A limited use "egress only" emergency generator will be included in this project.

Attachments Prepared:

Effect on Operating Budget

The overall County operating budget will be reduced as some rental costs in the US Bank Building would be eliminated. (the County is a lease holder in the US Bank building). The operational, utility, maintenance, and repair costs will be reduced. A new life cycle for all HVAC / building systems infrastructure will commence.

Energy Conservation Considerations, if applicable

This project is estimated to save at least 30% in utility consumption from 2008 usage. There are several "competing" mechanical systems operating in the building and they are outdated, inefficient, and past their useful life. Maintenance and repair costs will also be significantly reduced.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$3,175,000
2012						Consulting	\$200,000
2013		\$3,600,000			\$3,600,000	Furnishing/Equip	\$225,000
2014						Contingency	
TOTAL		\$3,600,000			\$3,600,000	Other	
						Total Cost	\$3,600,000

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** St. Louis County Jail Expansion

Department: Sheriff

Contact: Sheriff Litman

Extension:

Start Year: 2012

End Year: 2013

Purpose & Justification

To provide 60 additional male beds and 16 additional female beds to the existing 187 beds at the County Jail. this expansion will provide the needed beds to lessen our reliance on other counties in addressing jail overcrowding.

Description & Location

Expansion on the existing structure. The existing structure was initially designed to accommodate this expansion.

The current structure opened in July, 1995. The cost must include furniture, fixtures and equipment.

**Attachments
Prepared:**

Effect on Operating Budget

The jail extension will increase operating costs. There will be a need to increase staff (approximately \$500,000), programs, food, laundry, medical, supplies, and utilities (electrical, heat, and water). Although the jail's operating costs would increase, the decrease in per diem costs for housing inmates in other facilities could greatly offset the in-house increases.

Energy Conservation Considerations, if applicable

For Tony to provide

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	\$0
2011						Construction	\$3,250,000
2012		\$3,975,000				Consulting	\$300,000
2013						Furnishing/Equip	\$225,000
2014						Contingency	\$200,000
TOTAL		\$3,975,000			\$3,975,000	Other	
						Total Cost	\$3,975,000

Date project estimate last updated:

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Rescue Squad Storage Facilities: Cook and Duluth

Department: Sheriff

Contact: Sheriff Ross Litman

Extension:

Start Year: 2012

End Year: 2012

Purpose & Justification

The St. Louis County Rescue Squad uses and maintains many different items of search and rescue equipment. These items include boats, trailers, command vehicles, zodiacs, snow machines, all-terrain vehicles, etc. The equipment needs to be stored out of the elements to protect them from both the elements and vandalism, and to increase their usefulness by having them ready for immediate use when needed. The EOC Building houses much of the equipment for the southern part of the County. However, the north Rescue Squad region needs to have a central location. The Virginia Public Works Campus is centrally located and would be a good location for the building.

Description & Location

The above-listed equipment is currently stored in a number of different locations throughout the County, including private homes, unused and abandoned County facilities, rented areas, and at the EEOC. There is a desperate need for new and adequate storage facility in a central, easily accessible area, such as within the Virginia Midway complex. The new building would include a North Squad meeting area, rest rooms, lockers, showers, 2 offices, the equipment garage, and storage for some Sheriff's equipment.

Attachments Prepared:

Effect on Operating Budget

The effect on the operating budget would be minimal. Utilities, maintenance, and cleaning would be at least partially offset by eliminating some of the current sites.

Energy Conservation Considerations, if applicable

This may be an excellent project in which to incorporate some alternative energy sources.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$2,500,000
2012		\$2,500,000				Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL		\$2,500,000			\$2,500,000	Other	
						Total Cost	\$2,500,000

Date project estimate last updated:

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Access Road Improvements to the Regional Landfill - Virginia

Department: Environmental Services

Contact: Ted Troolin

Extension: 7639

Start Year: 2010

End Year: 2010

Purpose & Justification

The entrance road to the landfill was constructed/completed in 1994 and has heavy traffic travel it all year around. The constant maintenance and upgrades to keep this 2 mile road in optimal, safe working order for public travel is key for the continual operation of the landfill and recycling facilities.

Description & Location

Access road to the Regional Landfill in Virginia. The milling and new overlay of the blacktop roadway that leads to the Regional Landfill and County Recycling Facility

Attachments Prepared:

Effect on Operating Budget

The new road surface will improve the safety of this public roadway and eliminate the initial need for seasonal maintenance of the roadway.

Energy Conservation Considerations, if applicable

The Department intends to utilize waste shingles within the blacktop mix to save money and resources

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$430,000	\$430,000	Land Acquisition	
2011						Construction	\$400,000
2012						Consulting	\$30,000
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$430,000	\$430,000	Other	
						Total Cost	\$430,000

Date project estimate last updated: Jan 2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Environmental Services Hibbing Transfer Station Road Upgrade

Department: Environmental Services

Contact: Ted Troolin

Extension: 7639

Start Year: 2011

End Year: 2011

Purpose & Justification

A blacktop overlay and overall improvement of the access road into the Hibbing Transfer Station.

Description & Location

Blacktop overlay and road improvements for the Hibbing Transfer Station - 2011 - 604001: \$250,000

Attachments
Prepared:

Effect on Operating Budget

Only utility and maintenance costs for the continual safe operation of the Transfer Station

Energy Conservation Considerations, if applicable

The Department intends to utilize waste shingles within the blacktop mix to save money and resources

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$250,000	\$250,000	Construction	\$250,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$250,000	\$250,000	Other	
						Total Cost	\$250,000

Date project estimate last updated: Jan 2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: St. Louis County Regional Landfill Construction

Department: Environmental Services

Contact: Ted Troolin

Extension: 7639

Start Year: 2010

End Year: 2014

Purpose & Justification

The Regional Landfill is the key component in the integrated management system in St. Louis County. As capacity limits for municipal solid waste are reached, additional capacity construction is necessary for the continual operation of the landfill.

Description & Location

Regional Landfill in Virginia- expansion of the landfill footprint to accommodate additional capacity - 607001 - \$1,240,000

Attachments Prepared:

Effect on Operating Budget

The Environmental Services Department is trying to limit the number of construction projects at the landfill. Projects are coordinated as much as possible to coincide with closure of a completely filled cell. Effects on the operating budget are very slight as all work is completed by contractors. Additional staff and buildings are not needed.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$30,000	\$30,000	Land Acquisition	
2011				\$60,000	\$60,000	Construction	\$1,100,000
2012				\$1,100,000	\$1,100,000	Consulting	\$140,000
2013				\$0	\$0	Furnishing/Equip	
2014				\$50,000	\$50,000	Contingency	
TOTAL				\$1,240,000	\$1,240,000	Other	
						Total Cost	\$1,240,000

Date project estimate last updated: Jan 2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Additional Space for the Household Hazardous Waste Program - Virginia

Department: Environmental Services

Contact: Ted Troolin

Extension: 7639

Start Year: 2010

End Year: 2011

Purpose & Justification

Provide additional space for storage and safe operation of the County's Household Hazardous Waste program. The construction of additional area will allow for a safer work environment for staff and the public. In addition, the space will allow for the future potential expansion of the program.

Description & Location

The County's Household Hazardous Waste facility near Virginia. Includes adding onto the existing Household Hazardous Waste Facility building.

Attachments
Prepared:

Effect on Operating Budget

Only utilities and maintenance costs for the continued and safe operations of this facility.

Energy Conservation Considerations, if applicable

This additional area will serve to recycle as much hazardous waste as possible that is generated in the County's service area.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$150,000	\$150,000	Construction	\$135,000
2012						Consulting	\$15,000
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$150,000	\$150,000	Other	
						Total Cost	\$150,000

Date project estimate last updated: **Jan 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Additional Storage Capacity for Recyclables - Virginia

Department: Environmental Services

Contact: Ted Troolin

Extension: 7639

Start Year: 2010

End Year: 2010

Purpose & Justification

Provide additional storage space to collect bales of recyclable materials. The construction of additional area will allow the County the flexibility of collecting the highest value in the ever-changing recyclables market.

Description & Location

The County's Recycling facility near Virginia. Includes adding onto the existing Materials Recycling Facility building.

Attachments
Prepared:

Effect on Operating Budget

Only utilities and maintenance costs for the continued and safe operations of this facility

Energy Conservation Considerations, if applicable

This additional area will only be cold storage.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$150,000	\$150,000	Land Acquisition	
2011						Construction	\$135,000
2012						Consulting	\$15,000
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$150,000	\$150,000	Other	
						Total Cost	\$150,000

Date project estimate last updated: **Jan 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Methane (Landfill) Gas Utilization for Heating/Electrical Generation - Regional Landfill - Virginia

Department: Environmental Services

Contact: Ted Troolin

Extension: 7639

Start Year: 2010

End Year: 2012

Purpose & Justification

Utilization of methane gas produced by the St. Louis County Regional Landfill will be evaluated with recommendations for Environmental Services review. Possible utilization of this gas for heating the St. Louis County Recycling Facility will begin construction and operation in 2012. The flaring of this gas for the prevention of the methane release is also an option that is being considered.

Description & Location

Methane gas utilization for heating the St. Louis County Recyclable Materials Processing Facility - 601004 - \$1,675,000

Attachments
Prepared:**Effect on Operating Budget**

Burning of methane gas from the landfill will substantially lower the heating costs at the recycling facility.

Energy Conservation Considerations, if applicable

The energy consumption of the County's Recycling Facility will be totally supplied by this project. In addition, surplus energy might be transferred to the electric grid.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$100,000	\$100,000	Land Acquisition	
2011				\$75,000	\$75,000	Construction	\$1,500,000
2012				\$1,500,000	\$1,500,000	Consulting	\$175,000
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$1,675,000	\$1,675,000	Other	
						Total Cost	\$1,675,000

Date project estimate last updated: **Jan 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Virginia Land Department Office Space Addition

Department: Land

Contact: Bob Krepps

Extension: 2606

Start Year: 2011

End Year: 2012

Purpose & Justification

The Land Department's facilities in Virginia currently houses 11 staff serving the Virginia area and zone of Land Department Operations. The 2006 - 2007 budget increased field staff in both working areas of the County. An increase in staff in the Virginia office will require additional office space to accommodate them as the building can no longer provide office space for additional staff.

Description & Location

This project would place an addition onto the existing Land Department facility in Virginia. The estimated size of the addition would be 1,600 square feet or approximately 40 feet by 40 feet. This facility would house Land Department staff that encompasses all Land Department operations involved with land transactions, forest management and land surveying.

**Attachments
Prepared:**
Effect on Operating Budget

The facility operation costs for the County would increase with the construction of additional space in the Virginia office. Land Department operations would be more efficient, as additional space will allow for needed staff that can complete the Departments operation plans.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$276,000	\$276,000	Construction	
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$276,000	\$276,000	Other	

Total Cost

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** St. Louis County Natural Resources Center

Department: Land

Contact: Bob Krepps

Extension: 2606

Start Year: 2012

End Year: 2013

Purpose & Justification

The St. Louis County Land Department functions and operations do not require physically close proximity to other county departments. The Land Department is presently housed in the GSC building in downtown Duluth. The space they occupy would be better utilized by county departments requiring close physical proximity to each other. The downtown location limits customer service and public availability for the type of service provided by the land and extension departments due to the unique client base these departments serve. The downtown location is not readily accessible for the clientele served.

Description & Location

This project is a joint use facility which would house the St. Louis County Land Department, the County Extension Service, South St. Louis County Soil & Water Conservation District offices, and potentially, the City of Duluth Forestry Office. The Chris Jensen location would be investigated as the initial site, due to the availability of utilities and providing better access to tax forfeited lands managed by the department. This access will save on staff travel time in managing these parcels. The estimated size of the building would be 12,000 square feet with a 3,500 square foot cold vehicle storage building. This facility would encompass all the county operations involved with land, forest and water conservation, management and stewardship. The facility will also allow better

**Attachments
Prepared:**
Effect on Operating Budget

The facility operation costs for the County would increase with the construction of a new facility. The efficiency of County departments at the GSC work increase as this would be a move forward in the Duluth area master space plan. Land Department and County Extension operations would be more efficient, as a new location would align with the type of services these departments provide to the public. Facility operating costs would be offset by reductions in county leased space, plus lease revenue from other agencies co-located in the new facility. The county could terminate private leases in downtown Duluth and red

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	
2012		\$2,700,000			\$2,700,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL		\$2,700,000			\$2,700,000	Other	
						Total Cost	

Date project estimate last updated: NOV . 2008

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Public Safety Wireless Voice Communications

Department: Sheriff

Contact: Ross Litman, Sheriff

Extension: 2341

Start Year: 2010

End Year: 2012

Purpose & Justification

This project will transition our Public Safety wireless voice communication to the State of Minnesota Allied Radio Matrix for Emergency Response (ARMER) 800 MHz digital trunked radio system. The Federal Communications Commission has mandated that all VHF and UHF licensees meet new narrowband requirements by December 31, 2012 forcing the replacement of all of our and our partner agency communications infrastructure and end user equipment. The State of Minnesota through E911 telephone funding is building the ARMER system throughout Greater Minnesota. The transition to ARMER will avoid building and maintaining our own duplicate communications system when St. Louis County taxpayers will already be paying for the ARMER system.

Description & Location

Dispatch consoles and related equipment will be replaced or upgraded at the Duluth and Virginia Public Safety Answering Points and the Emergency Operations Center. A narrowband VHF paging system for Fire and EMS partner agencies will be built at the ARMER sites. Basic end user equipment (radios) will be provided to partner agencies that St. Louis County represents on the Northeast Regional Radio Board. The ARMER system sites will be enhanced for coverage and capacity to meet our requirements. The state will build and maintain 24 tower sites for the ARMER system throughout St. Louis County.

**Attachments
Prepared:**
Effect on Operating Budget

Savings in leased tower expenses, electricity and propane will be realized with the transition to the State owned ARMER system. Additional training will be required for end users, technical staff and dispatchers. Additional technical staff may be required to manage, maintain and program the infrastructure, end user equipment and related equipment.

Energy Conservation Considerations, if applicable

Energy savings in electricity and propane will be realized in that St. Louis County will be using a cooperative multiagency Public Safety communications system instead of operating our own duplicate 31 site communications system.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010		\$1,649,675			\$1,649,675	Land Acquisition	
2011				\$3,245,230	\$3,245,230	Construction	
2012				\$3,107,025	\$3,107,025	Consulting	
2013						Furnishing/Equip	\$8,001,930
2014						Contingency	
TOTAL		\$1,649,675		\$6,352,255	\$8,001,930	Other	
						Total Cost	\$8,001,930

Date project estimate last updated: **January 12, 2010**

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Primary Data Center Server Replacement

Department: Management Information

Contact: Martin Buscombe

Extension: 2019

Start Year: 2010

End Year: 2014

Purpose & Justification

The County's production server hosts in our virtual server environment are replaced on a four year cycle. Since their inception four years ago these servers have saved the County considerable expense due to the reduction in physical footprint required to house the machines and in electrical consumption due to the economy of running one larger platform instead of multiple smaller platforms. Additionally, the use of these platforms has allowed MIS to more dynamically manage the allocation of server power as needed.

Description & Location

The County replaces two to three of these large servers per year. In 2010 we plan to replace two platforms and then three each year from 2011 through 2014

Attachments Prepared:

Effect on Operating Budget

N/A

Energy Conservation Considerations, if applicable

The County's move to virtual servers has saved a considerable amount in reduced energy consumption. However, most of the reduction is now in the past.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$30,000	\$30,000	Land Acquisition	
2011				\$45,000	\$45,000	Construction	
2012				\$45,000	\$45,000	Consulting	
2013				\$45,000	\$45,000	Furnishing/Equip	\$210,000
2014				\$45,000	\$45,000	Contingency	
TOTAL				\$210,000	\$210,000	Other	
						Total Cost	\$210,000

Date project estimate last updated: 1/14/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Backup Data Center Server Purchase and Replacement

Department: Management Informatio

Contact: Martin Buscombe

Extension: 2019

Start Year: 2010

End Year: 2014

Purpose & Justification

The County's backup server hosts in our virtual server environment are replaced on a four year cycle. Since the inception of the Public Safety Building data center in 2007, MIS has maintained a backup data center. To meet the County's disaster recovery needs we have been increasing the capacity of servers located at that location. Planned growth of that data center's equipment includes additional servers and then replacement of the devices as they age over the next five years.

Description & Location

The Public Safety Building in Duluth currently houses 2 virtual server host platforms with planned expansion to five by 2014.

Attachments
Prepared:

Effect on Operating Budget

N/A

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$15,000	\$15,000	Land Acquisition	
2011				\$30,000	\$30,000	Construction	
2012				\$30,000	\$30,000	Consulting	
2013				\$30,000	\$30,000	Furnishing/Equip	\$135,000
2014				\$30,000	\$30,000	Contingency	
TOTAL				\$135,000	\$135,000	Other	
						Total Cost	\$135,000

Date project estimate last updated: 1/14/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Primary Data Center and Backup data Center Storage Area Network Upgrades

Department: Management Informatio

Contact: Martin Buscombe

Extension: 2019

Start Year: 2010

End Year: 2014

Purpose & Justification

The County explosive growth of information being converted into its Geographic Information System requires expansion of the existing electronic data storage infrastructure at both the primary and backup data centers.

Description & Location

The County's primary Storage Area Network equipment is located at the data center in the Government Services Center. That data is mirrored at the back data center located in the Public Safety Building in Duluth to support continuity of operations. Anticipated growth will require the addition of 5 terabytes of data storage at both the primary and backup sites in 2012 and in 2014.

Attachments Prepared:

Effect on Operating Budget

Slight increase in ongoing annual maintenance costs of larger SAN's

Energy Conservation Considerations, if applicable

N/A

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	
2012				\$150,000	\$150,000	Consulting	
2013						Furnishing/Equip	\$300,000
2014				\$150,000	\$150,000	Contingency	
TOTAL				\$300,000	\$300,000	Other	
						Total Cost	\$300,000

Date project estimate last updated: 1/14/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Enterprise Applications & Interfaces

Department: Planning and Developm

Contact: Barbara Hayden

Extension: 5008

Start Year: 2010

End Year: 2014

Purpose & Justification

Enterprise (county-wide) land information applications are mission critical interfaces to manage and support county core operations for improved efficiency and productivity. Land record information is used by many county departments and stakeholders to conduct business operations including 9-1-1 emergency operations, public safety, planning, community and economic development, transportation, natural resource management and general operations. These internal (county) and external (public) enterprise interfaces will provide a Common Operating Picture (COP) to catalog, access, retrieve, query, process, analyze, model, map and disseminate spatial and non-spatial data.

Description & Location**Enterprise Applications**

Develop and enhance the internal and external enterprise (county-wide) land information systems and complimentary applications and web services. These enterprise applications and interfaces include the land information portal, Rich Light Weight Internet Interactive Mapping Application (public), Enterprise Maps-on-Demand Application, and an Enterprise Automated Data Distribution System.

**Attachments
Prepared:**
Effect on Operating Budget

Effects both levy and non-levy budget.

Investment in IT and web applications has provided the county with the tools to increase productivity and efficiency, while keeping up with core service delivery with reduced staff levels.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$250,000		Land Acquisition	
2011				\$300,000		Construction	
2012						Consulting	\$425,000
2013						Furnishing/Equip	
2014				\$275,000		Contingency	\$25,000
TOTAL				\$825,000		Other	\$375,000
						Total Cost	\$825,000

Date project estimate last updated:

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** IT Enterprise Network & Infrastructure

Department: Planning and Developm

Contact: Barbara Hayden

Extension: 5008

Start Year: 2011

End Year: 2014

Purpose & Justification

To improve enterprise GIS mobile operations and department efficiency and productivity, it is critical to begin to transform business operations into a mobile workforce to manage department and enterprise GIS operations in the field which covers 7,000 square miles. The department will provide mobile equipment and required tools for staff to conduct field operations for land-use planners and enterprise GIS personnel. This will streamline data entry, improve quality of field operations, and allow enterprise GIS personnel to support enterprise spatial needs.

Description & Location

Acquire Mobile (GPS and GIS enabled) tablets and handheld equipment and required infrastructure interfaces.

Attachments
Prepared:

Effect on Operating Budget

Effects both levy and non-levy budget.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	
2012				\$100,000		Consulting	
2013						Furnishing/Equip	\$75,000
2014						Contingency	\$10,000
TOTAL				\$100,000		Other	\$15,000
						Total Cost	\$100,000

Date project estimate last updated:

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: IT/GIS Enterprise Geospatial Data Infrastructure

Department: Planning and Developm

Contact: Barbara Hayden

Extension: 5008

Start Year: 2011

End Year: 2014

Purpose & Justification

Aerial Imagery is a core element of county business operations. It is used extensively in 9-1-1 CAD Dispatch, emergency operations, public safety, planning, community and economic development, transportation, natural resource management, surveying, land records management, and general county operations. It is mission critical to maintain a yearly aerial imagery program so that county operations can function efficiently and effectively. It provides many benefits to departments by reducing transportation and staff costs to carry-out department business functions in a county of 7,000 square miles. Every effort will be made to partner with strategic partners to reduce yearly costs.

Description & Location

Acquire Aerial Imagery and supporting spatial datasets county-wide to support county enterprise business operations.

Attachments Prepared:

Effect on Operating Budget

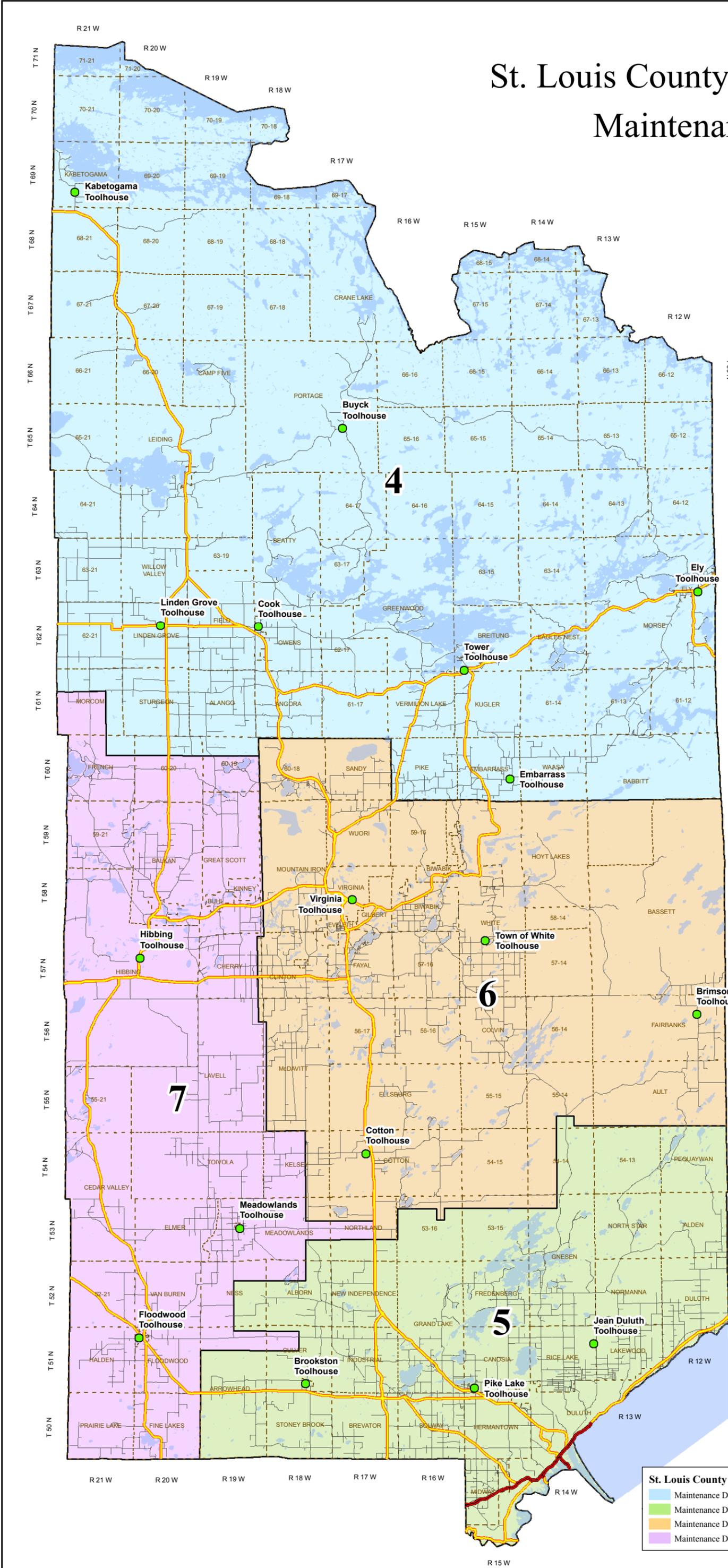
Effects both levy and non-levy budget. Every effort will be made to partner with strategic partners to reduce yearly costs.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$300,000		Construction	
2012				\$300,000		Consulting	\$1,000,000
2013				\$300,000		Furnishing/Equip	
2014				\$300,000		Contingency	\$100,000
TOTAL				\$1,200,000		Other	\$100,000
						Total Cost	\$1,200,000

Date project estimate last updated:

St. Louis County Public Works Maintenance Districts 2010



Maintenance District 4
 Linden Grove Garage
 11193 Highway 1
 Cook, MN 55723
 Supt. Jack Schelde 666-5261
 Ely Garage 365-2381

Maintenance District 5
 Pike Lake Garage
 4787 Midway Road
 Duluth, MN 55811
 Supt. Patrick McCarthy 625-3849
 Jean Duluth Garage 525-7010

Maintenance District 6
 Virginia Maintenance Facility
 St. Louis County Garage
 7823 Highway 135
 Virginia, MN 55792
 Supt. Bob Lloyd 742-9803

Maintenance District 7
 Hibbing Garage
 1425 East 23rd Street
 Hibbing, MN 55746
 Supt. Mike Lopac 262-0270

St. Louis County Maintenance Districts

- Maintenance District 4
- Maintenance District 5
- Maintenance District 6
- Maintenance District 7



Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Cold storage facilities.

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To construct cold storage buildings at the Virginia and Ely Campuses to house equipment and vehicles to protect them from the elements which will extend their life. This will also create a secure area to prevent theft and vandalism.

Description & Location

2500 square foot cold storage facility in Virginia. \$ 75,000

4000 square foot cold storage facility in Ely. \$150,000

**Attachments
Prepared:**

District map showing the facilities location.

Effect on Operating Budget

Allow us to move equipment that is stored outside to inside storage to lengthen the life of the equipment and improve the overall appearance of the facilities. Additionally, this will allow us to sell the Markam garage where we store equipment for Virginia and reduce liability and insurance costs.

Energy Conservation Considerations, if applicable

We will use energy efficient light fixtures.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$225,000				\$225,000	Land Acquisition	
2011						Construction	\$225,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$225,000				\$225,000	Other	
						Total Cost	\$225,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Duluth Motorpool Maintenance and Windows

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

The Duluth Motor Pool garage is considered a parking garage and as such is under code requirement of the City of Duluth. Yearly we must have the garage inspected by a licensed consultant to make sure of the structure's integrity. In September of 2009 we had this done and have found several deficiencies which will require some major maintenance. The garage is also in need of windows, as many of the windows are still glass block, which are very inefficient.

Description & Location

Duluth Motor Pool Garage. 2nd street, Duluth

Attachments
Prepared:**Effect on Operating Budget**

Windows will make the building more energy efficient, saving money on the utility bills.

Energy Conservation Considerations, if applicable

The windows will conserve energy, lowering heating costs.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$420,000	\$420,000	Land Acquisition	
2011						Construction	\$420,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$420,000	\$420,000	Other	
						Total Cost	\$420,000

Date project estimate last updated:

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Virginia Public Works, main facility, roof replacement.

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

Protect structure from water damage and provide a safe and healthy work environment for department employees. The present roof is originally installed when the facility was built in 1976, making it 34 years old.

Description & Location

Main building on the Virginia campus. Replace roof over the shop and warm storage areas.

Attachments Prepared:

District map showing the facilities location.

Effect on Operating Budget

Roof replacement will include additional insulation, lowering heating costs.

Energy Conservation Considerations, if applicable

Added insulation to lower heating costs.

Investigate a white roof to help lower cooling costs and extend the life of the roof.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$125,000				\$125,000	Land Acquisition	
2011						Construction	\$125,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$125,000				\$125,000	Other	
						Total Cost	\$125,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Energy efficient lighting and CO2 sensors

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To provide adequate lighting to allow for a healthy and safe work environment for our employees.

Description & Location

Provide energy efficient lighting at all Public Works shops and warm storage areas:
 Jean Duluth repair facility and warm storage areas.
 Pike Lake repair facility and warm storage areas.
 Virginia repair facility and warm storage areas.
 Hibbing repair facility and warm storage areas.
 Linden Grove repair facility and warm storage areas.

Attachments
Prepared:

District map showing the facilities location.

Effect on Operating Budget

The energy efficient lighting will reduce the operating budget for electric utilities. At present Minnesota Power and Lake Country Power are offering rebates and incentives to help defer costs for energy efficiency, helping to recoup costs quicker.

Energy Conservation Considerations, if applicable

Energy efficient lighting will cut down on our use of electricity.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$130,000				\$130,000	Land Acquisition	
2011						Construction	\$130,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$130,000				\$130,000	Other	
						Total Cost	\$130,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Site Work for the new Meadowlands facility

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

Paving, curbs, and landscaping. This needs to be done as the old facility was razed and all of the old asphalt and green space has been removed to allow for construction of the new facility.

Description & Location

9967 Highway 133, Meadowlands Minnesota

Attachments
Prepared:

District map showing the facilities location

Effect on Operating Budget

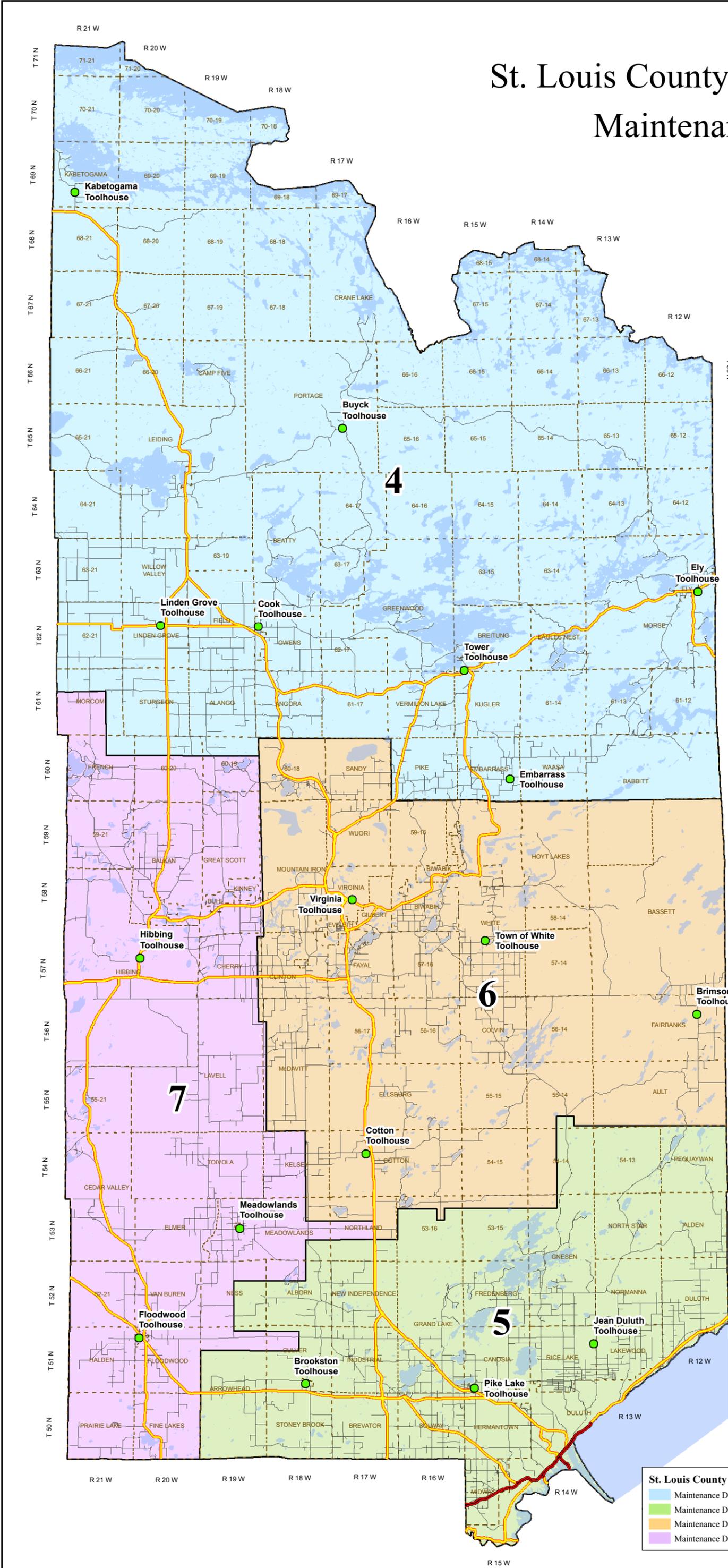
This money was bonded for in the fall of 2008 to build the Meadowlands facility.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010		\$300,000			\$300,000	Land Acquisition	
2011						Construction	\$300,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL		\$300,000			\$300,000	Other	
						Total Cost	\$300,000

Date project estimate last updated: 1/2010

St. Louis County Public Works Maintenance Districts 2010



Maintenance District 4
 Linden Grove Garage
 11193 Highway 1
 Cook, MN 55723
 Supt. Jack Schelde 666-5261
 Ely Garage 365-2381

Maintenance District 5
 Pike Lake Garage
 4787 Midway Road
 Duluth, MN 55811
 Supt. Patrick McCarthy 625-3849
 Jean Duluth Garage 525-7010

Maintenance District 6
 Virginia Maintenance Facility
 St. Louis County Garage
 7823 Highway 135
 Virginia, MN 55792
 Supt. Bob Lloyd 742-9803

Maintenance District 7
 Hibbing Garage
 1425 East 23rd Street
 Hibbing, MN 55746
 Supt. Mike Lopac 262-0270

St. Louis County Maintenance Districts

- Maintenance District 4
- Maintenance District 5
- Maintenance District 6
- Maintenance District 7



Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Hibbing roof replacement

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

Protect structure from water damage and provide a safe and healthy work environment for department employees. The section of roof being replaced is approximately 30 years old.

Description & Location

Main building on the Hibbing Campus. Replace roof over the shop and warm equipment storage areas. The estimated cost is \$5.60 a square foot X 17,770 square feet. Shop area is 6,600 square feet and warm storage is 11,160 square feet.

Attachments Prepared:

District map showing the location of the facilities.

Effect on Operating Budget

Roof will be installed with additional insulation, lowering heating costs. The cost will be shared between St. Louis County, the City of Hibbing, and MNDOT.

Energy Conservation Considerations, if applicable

See above.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$100,000				\$100,000	Construction	\$100,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$100,000				\$100,000	Other	
						Total Cost	\$100,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Linden Grove yard paving

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

Replace deteriorated asphalt at our Linden Grove facility. This maintenance needs to be done in order to keep our yard from deteriorating further. This will also enhance the overall appearance of the facility to the public, and make for a better working environment for our employees.

Description & Location

This work will be done at the Linden Grove facility, at the front and both sides of the main building.

Attachments Prepared:

District map showing the location of the facilities.

Effect on Operating Budget

Less maintenance and easier to maintain.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$150,000				\$150,000	Construction	\$150,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$150,000				\$150,000	Other	
						Total Cost	\$150,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Paint shop and warm storage ceilings and upper walls and extend crane.

Department: Public Works Contact: Jim Foldesi Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

Painting will make our shops and warm storage areas brighter allowing for a better and safer working environment. Ceilings and walls in our shops and Warm storage areas are black from years of exhaust smoke. Extend the crane to cover the complete shop in Virginia to allow for a more versatile use of the crane in that shop.

Description & Location

Paint:
Virginia Shop and Warm Storage.
Linden Grove Shop and Warm Storage.
Hibbing Shop.
Jean Duluth Shop and Warm Storage.
Extend crane to cover the complete Virginia shop.

Attachments Prepared:

District map showing the location of the facilities.

Effect on Operating Budget

More productivity due to better lighting and capability to reach with the crane places it currently cannot be used.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$125,000				\$125,000	Construction	\$125,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$125,000				\$125,000	Other	
						Total Cost	\$125,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Maintenance to our repair facilities and warm storage buildings.

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To do preventive maintenance to our present facilities to keep them in good working order.

Description & Location

Replace garage doors and openers. Replace CO2 sensors, replace septic field:

Floodwood, 3 doors:	\$18,000	Jean Duluth cold storage: 2 doors:	\$12,000
Hibbing Car wash, 1 door:	\$ 6,000	Jean Duluth main shop: 4 doors:	\$12,000
Linden grove Back Shop, 1 door:	\$ 6,000	Linden Grove septic field replacement:	\$15,000
Pike Lake, CO2 sensors:	\$30,000		
Automatic door closures, Hibbing warm storage:	\$10,000		

**Attachments
Prepared:**

District map showing the location of the facilities

Effect on Operating Budget

New garage doors will reduce energy costs.

Co2 sensors will reduce energy costs.

Automatic openers/closures will reduce energy costs.

Septic field will require less maintenance due to clogging and freezing.

Energy Conservation Considerations, if applicable

New garage doors will be better insulated and have thermal glass to reduce energy costs.

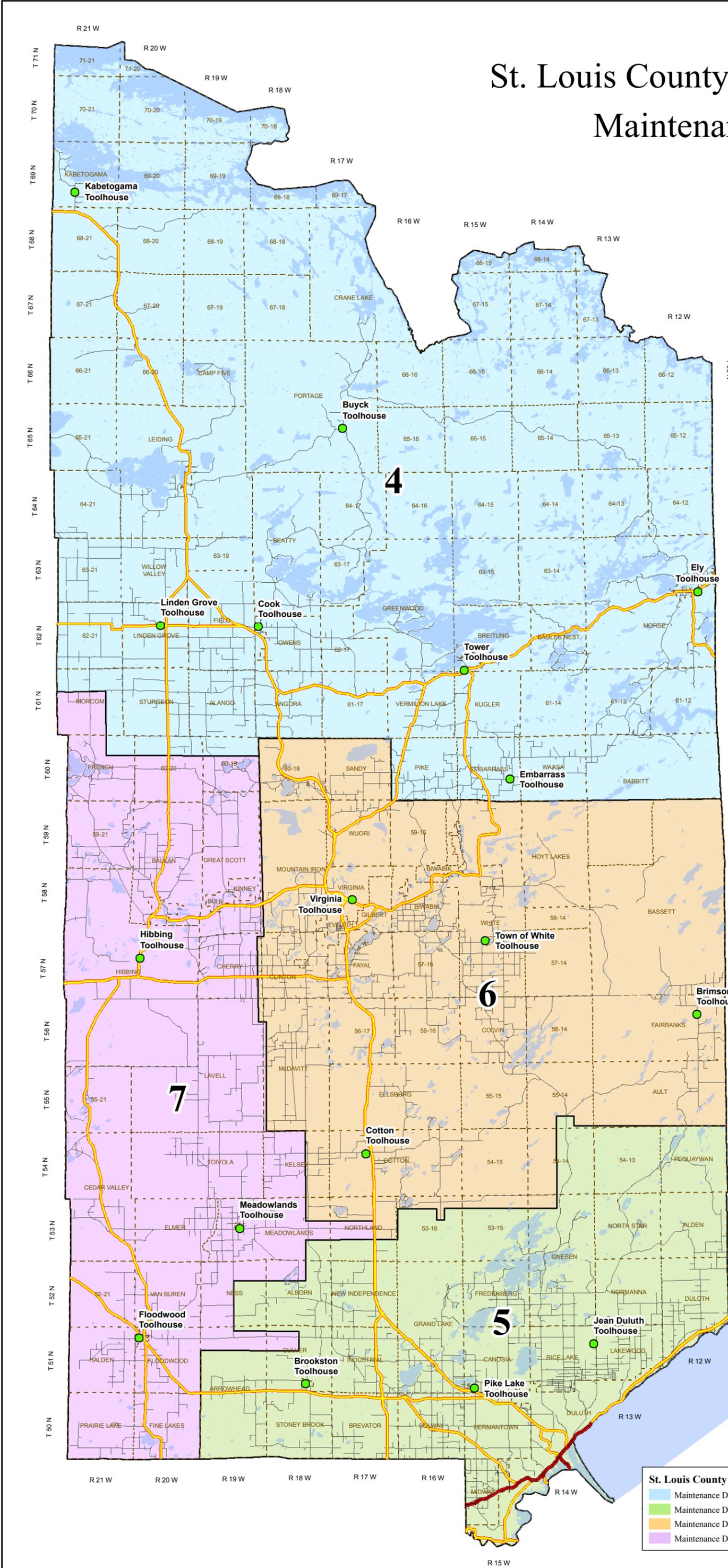
Co2 sensors will allow for automatic activation of make up air units reducing the time these units run reducing energy costs.

Automatic openers/closures will keep the doors closed more reducing energy costs.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$109,000				\$109,000	Construction	\$109,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$109,000				\$109,000	Other	
						Total Cost	\$109,000

Date project estimate last updated: 1/2010

St. Louis County Public Works Maintenance Districts 2010



Maintenance District 4
 Linden Grove Garage
 11193 Highway 1
 Cook, MN 55723
 Supt. Jack Schelde 666-5261
 Ely Garage 365-2381

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 Hibbing, MN 55746
 Supt. Mike Lopac 262-0270

St. Louis County Maintenance Districts	
■	Maintenance District 4
■	Maintenance District 5
■	Maintenance District 6
■	Maintenance District 7



Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Heated wash bay addition to the Virginia maintenance facility.

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

Construct a heated wash bay to the Virginia Maintenance building. The wash bay will be similar to existing wash bays at our Hibbing, Pike Lake and Ely maintenance facilities. Removal of salts and other corrosive materials from our fleet improves our safety and increases the life of our equipment.

Description & Location

Construct a 30' X 120', one level structure next to the existing Virginia maintenance building to be used as a heated wash bay.

Attachments
Prepared:

District map showing the location of the facilities.

Effect on Operating Budget

The wash bay will reduce the time it takes to perform this operation and thus allow for more time for our fleet in the field.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$550,000
2012	\$550,000				\$550,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$550,000				\$550,000	Other	
						Total Cost	\$550,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Embarrass maintenance facility

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2013

End Year: 2014

Purpose & Justification

Replace the existing facility built in the 1930's. Present facility does not have running water. Toilet is a satellite type, outside. Present facility lacks indoor storage space to accommodate new and larger maintenance equipment. The new facility would provide a safer, healthier, work environment for department employees.

Description & Location

Construct a maintenance garage similar in size to Tower. This facility will be across the highway from its present location on land now owned by Embarrass Township.

Attachments Prepared:

District map showing the location of the facilities.

Effect on Operating Budget

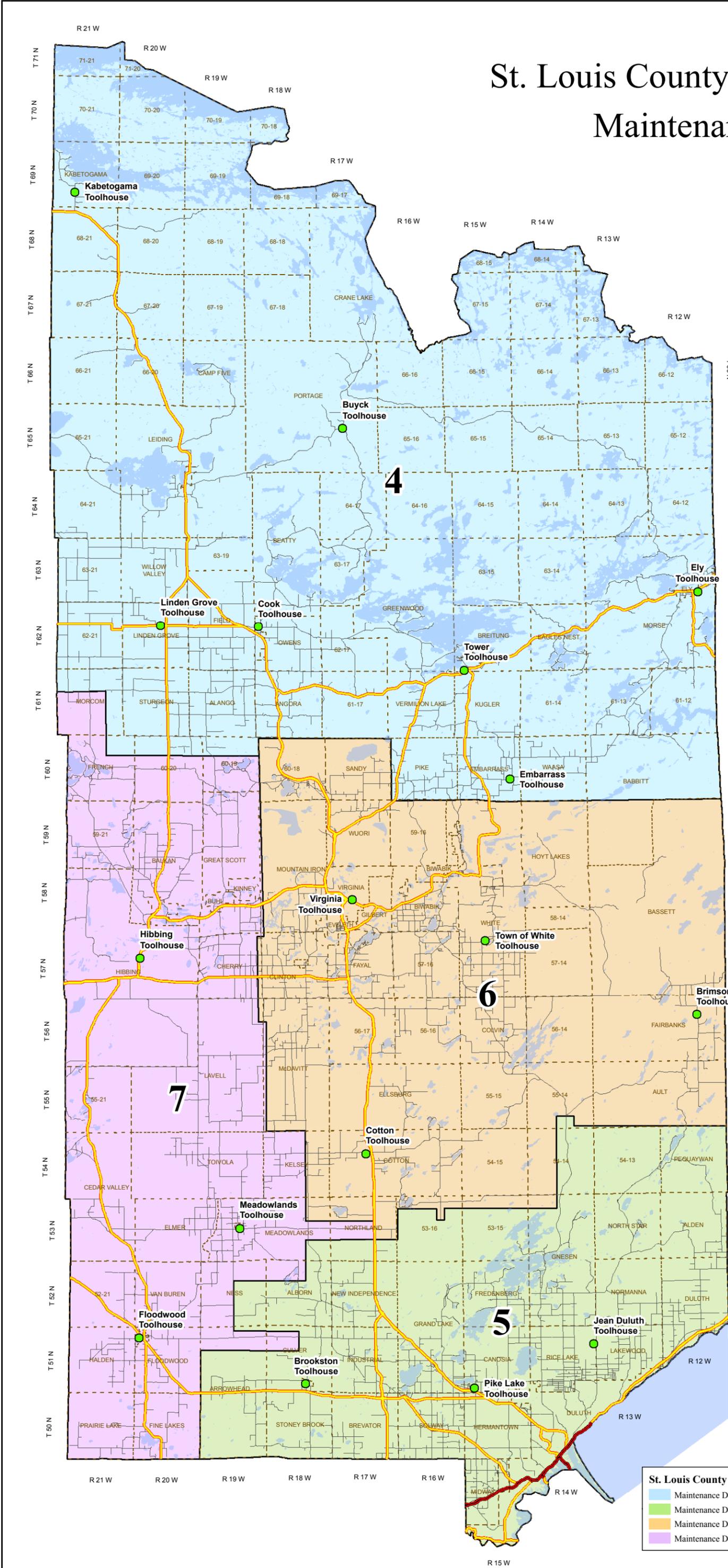
New energy efficient building will cut down on utility costs.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	\$50,000
2011						Construction	\$925,000
2012						Consulting	\$25,000
2013		\$1,000,000			\$1,000,000	Furnishing/Equip	
2014						Contingency	
TOTAL		\$1,000,000			\$1,000,000	Other	
						Total Cost	\$1,000,000

Date project estimate last updated: 1/2010

St. Louis County Public Works Maintenance Districts 2010



Maintenance District 4
 Linden Grove Garage
 11193 Highway 1
 Cook, MN 55723
 Supt. Jack Schelde 666-5261
 Ely Garage 365-2381

Maintenance District 5
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 Duluth, MN 55811
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 Supt. Mike Lopac 262-0270

St. Louis County Maintenance Districts

- Maintenance District 4
- Maintenance District 5
- Maintenance District 6
- Maintenance District 7



Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Maintenance facility repairs (existing buildings)

Department: Public Works

Contact: Jim Foldesi

Extension: 3840

Start Year: 2013

End Year: 2014

Purpose & Justification

Maintain and increase energy efficiency of maintenance facilities. Protect structures from further water damage, maintain a safe and healthy work environment for department employees.

Description & Location

Maintenance projects such as roofs, windows, lighting, and heating plants for Public Works buildings making for a better safer working environment.

Attachments Prepared:

District map showing facilities locations.

Effect on Operating Budget

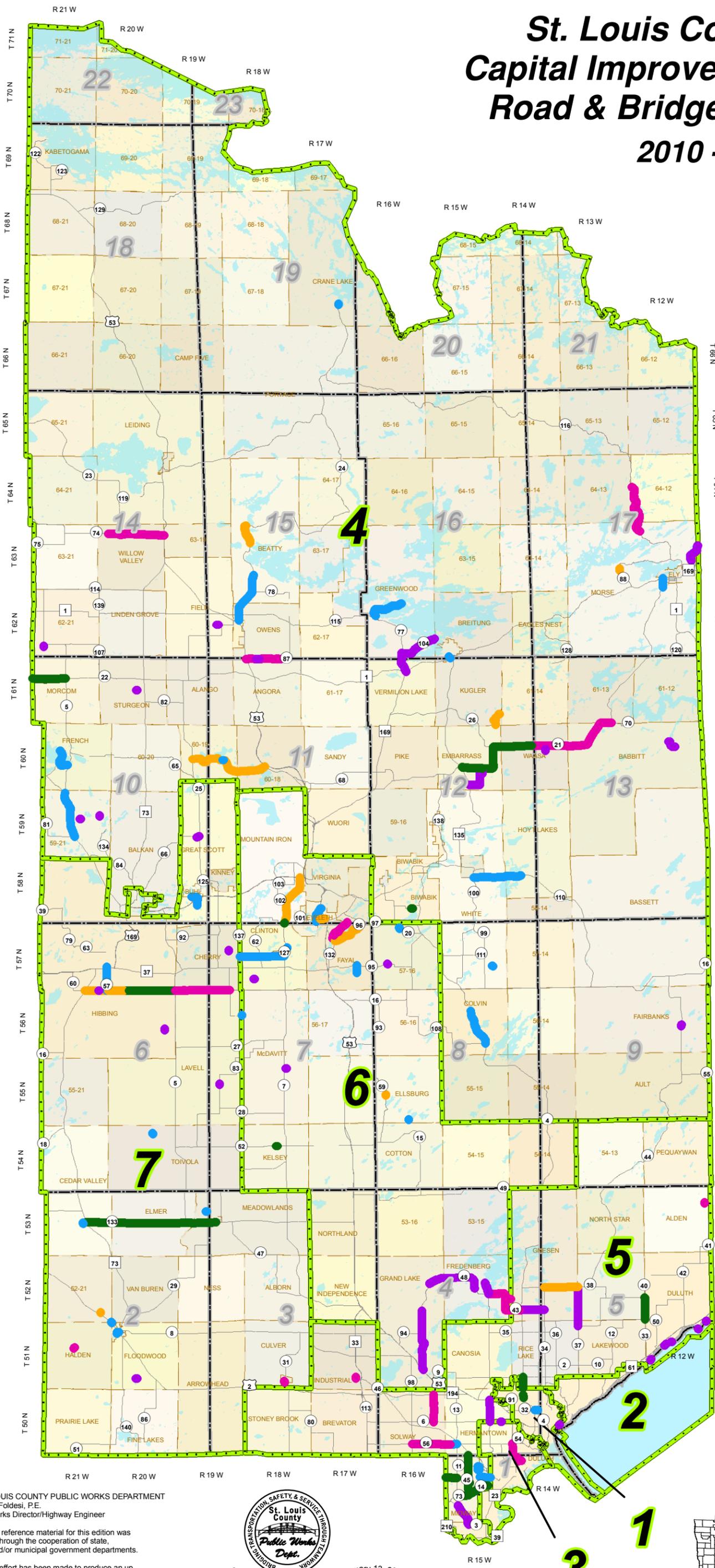
Reduce energy costs by choosing energy efficient products, and increasing insulation.

Energy Conservation Considerations, if applicable

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$990,000
2012						Consulting	
2013	\$495,000				\$495,000	Furnishing/Equip	
2014	\$495,000				\$495,000	Contingency	
TOTAL	\$990,000				\$990,000	Other	
						Total Cost	\$990,000

Date project estimate last updated: 1/2010

St. Louis County 5 Year Capital Improvement Plan (CIP) Road & Bridge Construction 2010 - 2014



- 1st District**
 Commissioner Dennis Fink
 100 N. 5th Avenue West Rm. #208
 Duluth, MN 55802
 (218) 726-2458
- 2nd District**
 Commissioner Steve O'Neil
 Vice Chair
 100 N. 5th Avenue West Rm. #208
 Duluth, MN 55802
 (218) 726-2359
- 3rd District**
 Commissioner Chris Dahlberg
 100 N. 5th Avenue West Rm. #208
 Duluth, MN 55802
 (218) 726-2562
- 4th District**
 Commissioner Mike Forsman
 Government Services Center
 118 S. 4th Avenue East
 Ely, MN 55731
 (218) 365-8200
- 5th District**
 Commissioner Peg Sweeney
 100 N. 5th Avenue West Rm. #208
 Duluth, MN 55802
 (218) 726-2450
- 6th District**
 Commissioner Keith Nelson
 Virginia Courthouse
 300 S. 5th Avenue
 Virginia, MN 55792
 (218) 749-7108
- 7th District**
 Commissioner Steve Raukar
 Board Chair
 Hibbing Courthouse
 1810 12th Avenue East
 Hibbing, MN 55746
 (218) 262-0201

Map Components

5 Year Program

- █ 2010
- █ 2011
- █ 2012
- █ 2013
- █ 2014

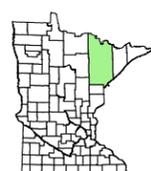
- 1 Commissioner District
- 1 Page Number
- Township

SAINT LOUIS COUNTY PUBLIC WORKS DEPARTMENT
 James T. Foldesi, P.E.
 Public Works Director/Highway Engineer

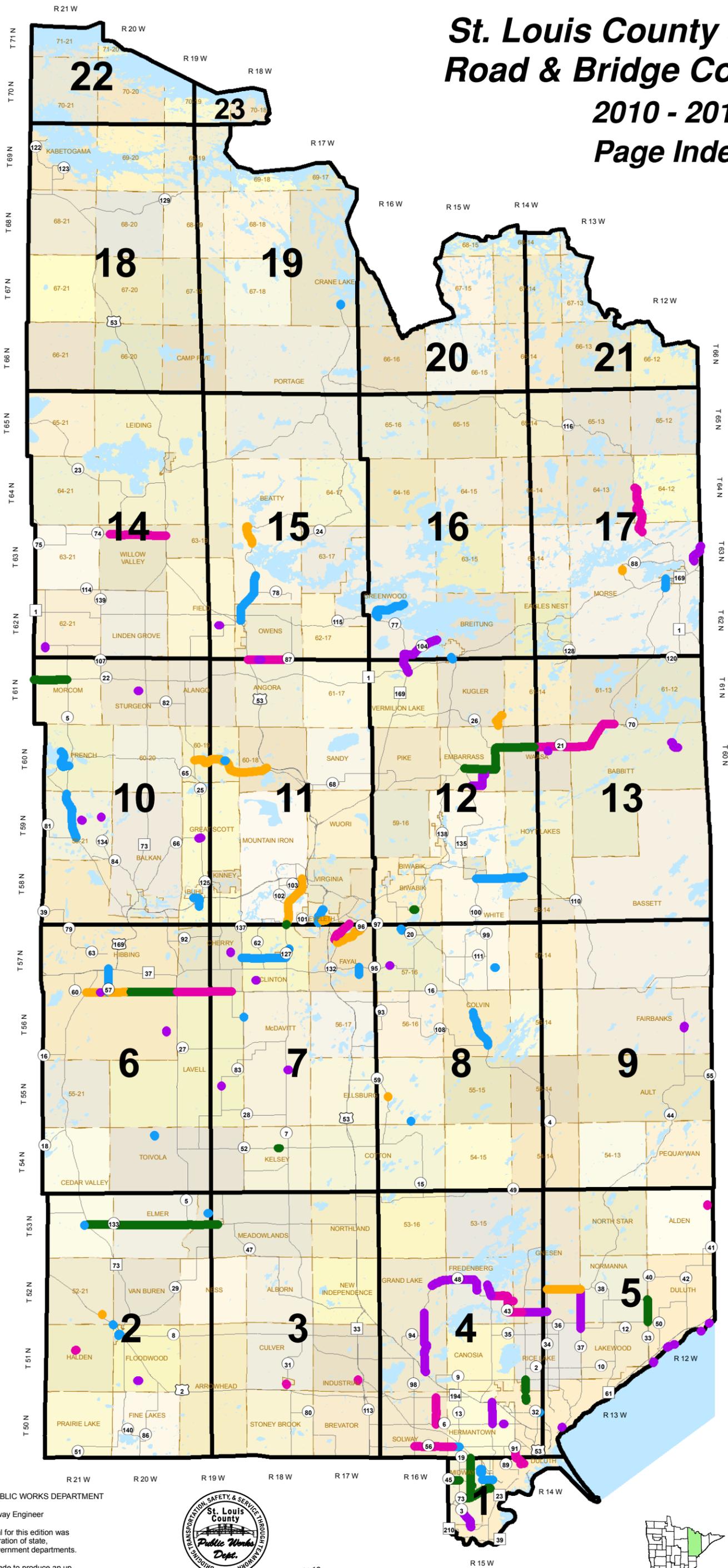
Note: The reference material for this edition was obtained through the cooperation of state, county and/or municipal government departments.

A sincere effort has been made to produce an up to date map. However, with the various sources we have to rely on, no guarantee can be made.

All voluntary input for updating our next edition will be accepted with gratitude.



St. Louis County 5 Year CIP Road & Bridge Construction 2010 - 2014 Page Index



Map Components

5 Year Program

- 2010
- 2011
- 2012
- 2013
- 2014

1 Page Number

Township

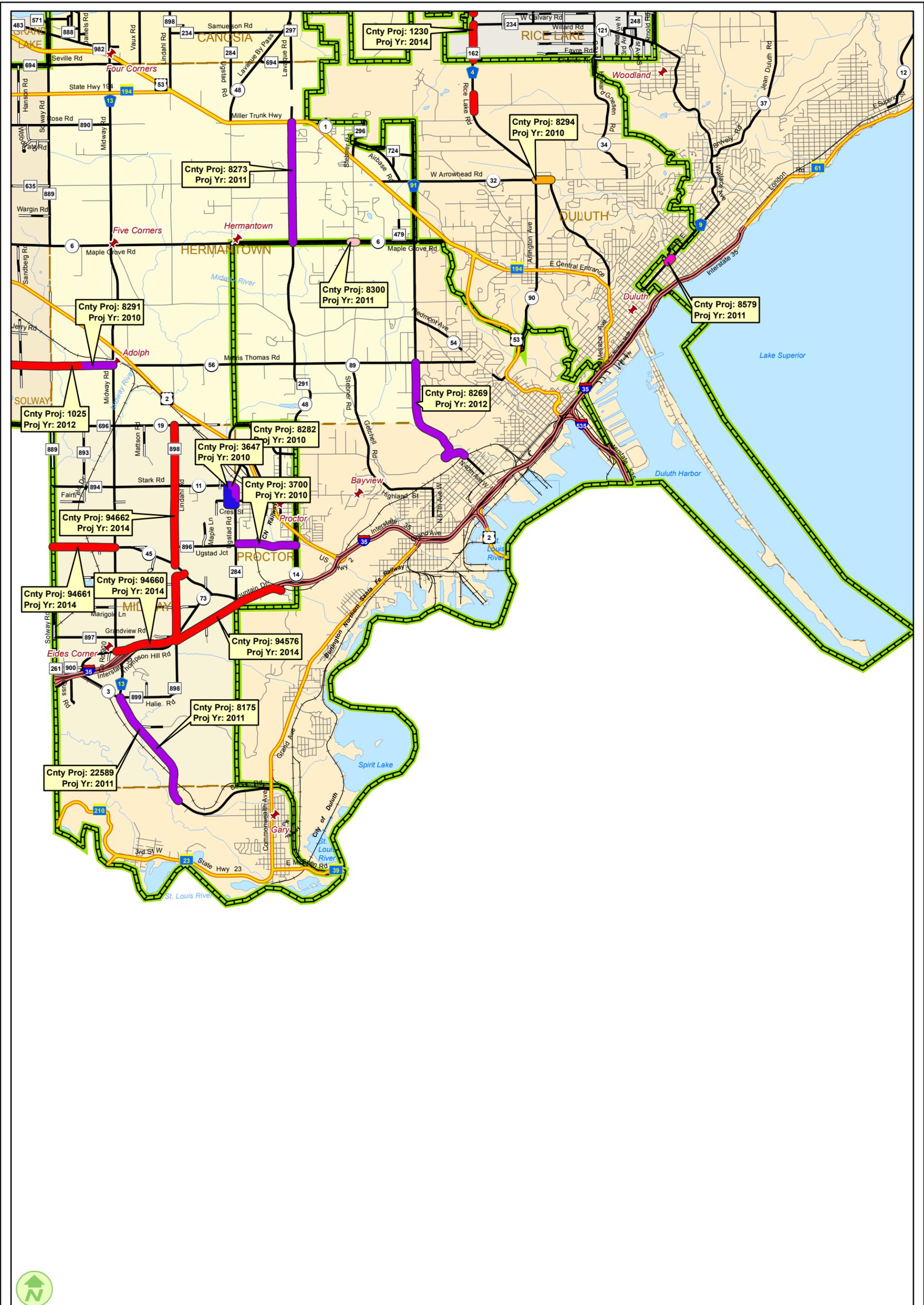
SAINT LOUIS COUNTY PUBLIC WORKS DEPARTMENT
James T. Foldesi, P.E.
Public Works Director/Highway Engineer

Note: The reference material for this edition was obtained through the cooperation of state, county and/or municipal government departments.

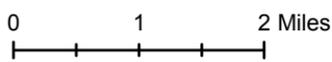
A sincere effort has been made to produce an up to date map. However, with the various sources we have to rely on, no guarantee can be made.

All voluntary input for updating our next edition will be accepted with gratitude.



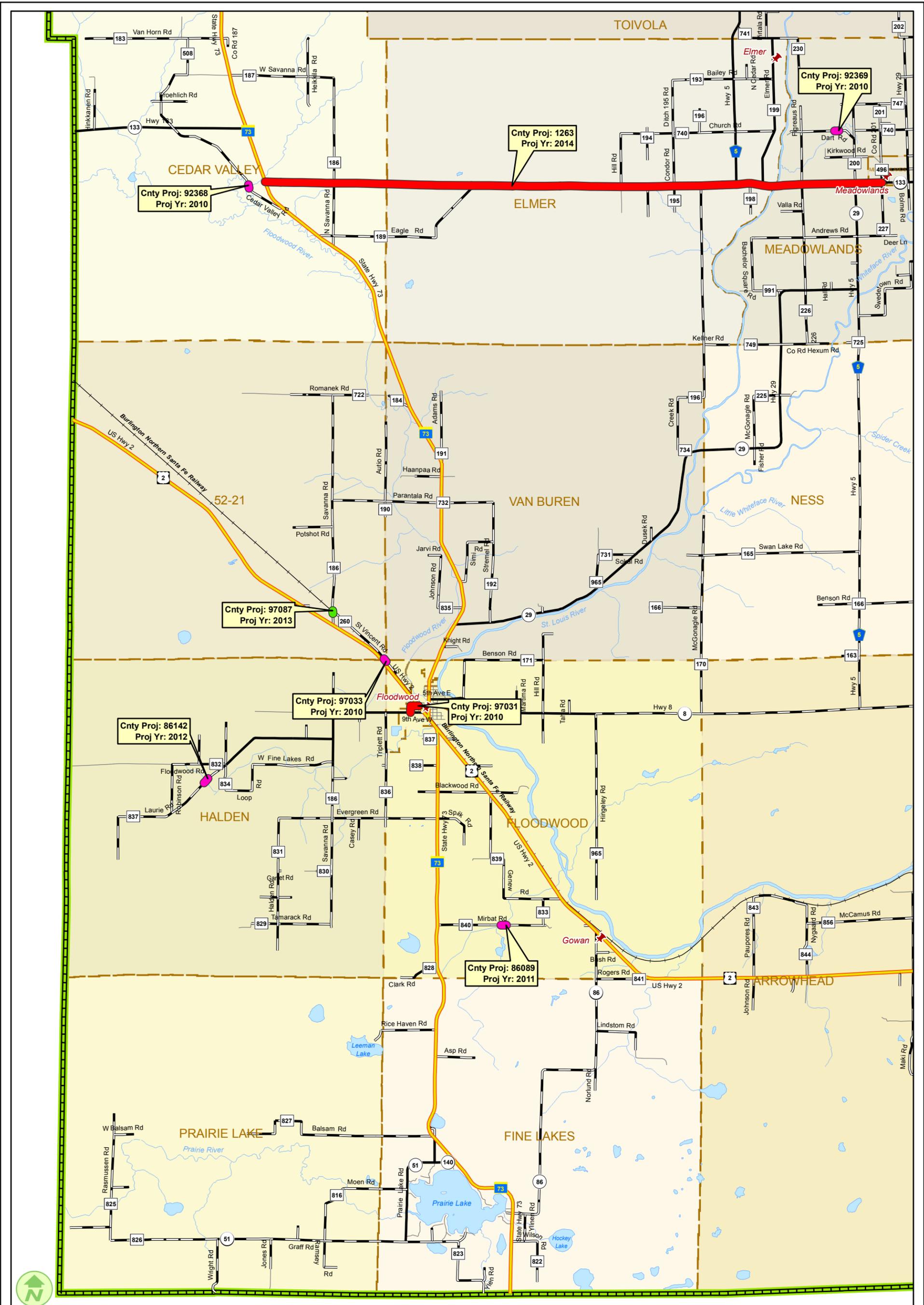


St. Louis County 5 Year CIP: Road & Bridge Construction

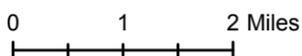


Map Components

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|--------------------------------------|---------------------------------|--------------------|-----------------------|
| 5 Year CIP: Road Construction | Mill & Overlay | Interstate Highway | Commissioner District |
| Bituminous Overlay | RR Xing Improvement | U.S./State Highway | Township |
| Bridge Construction | Reclaim & Overlay | Paved County Road | City/Town |
| Complete Rebuild | Reclaim & Overlay, Turn Lanes | Gravel County Road | Lake |
| Culvert Construction | Sanitary Sewer | Named Road | |
| Culvert Replacement | Traffic Signals | Railroad | |
| Intersection Realignment | Turn Lanes/Signal Modifications | | |

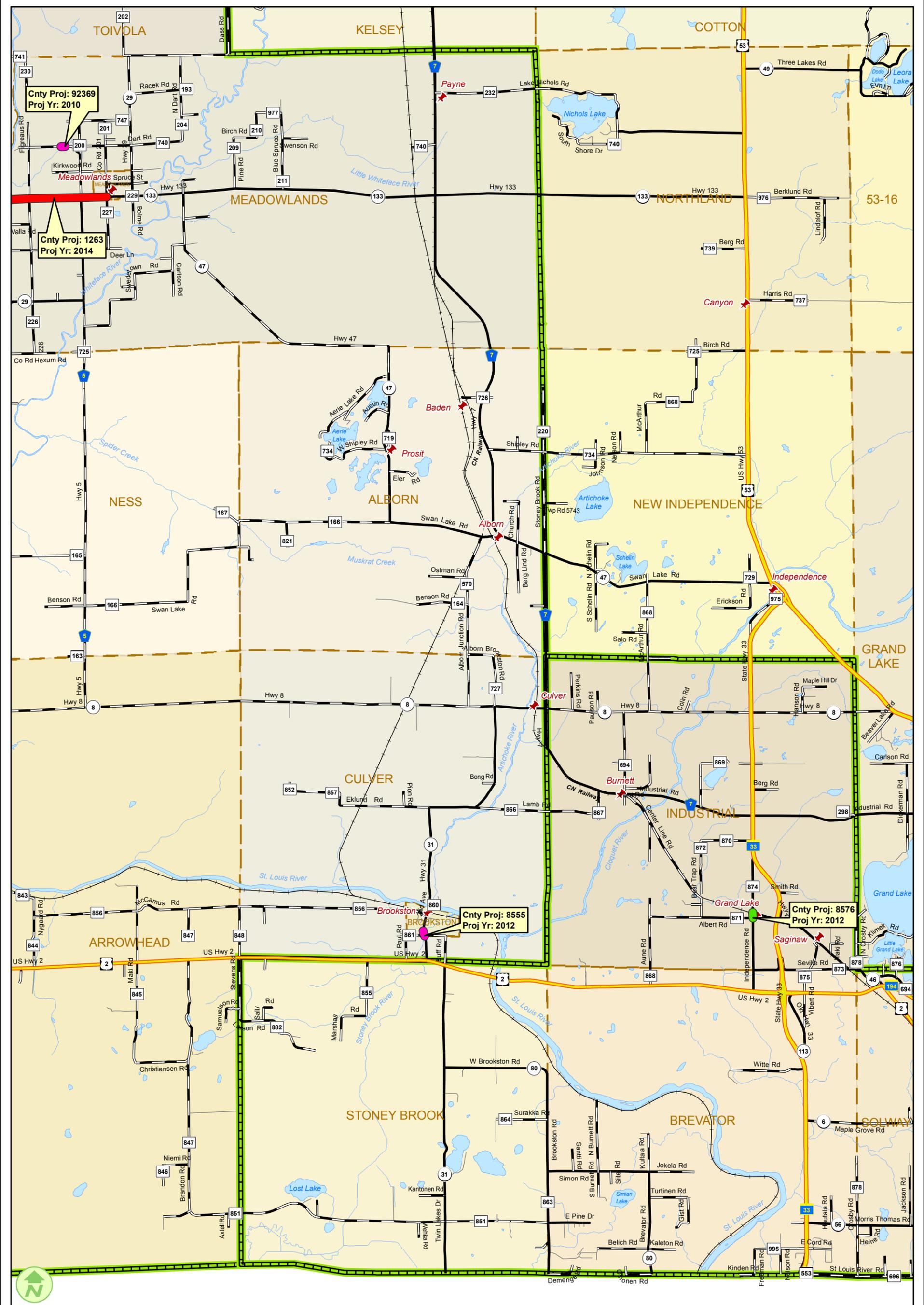


St. Louis County 5 Year CIP: Road & Bridge Construction

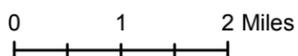


Map Components

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| <ul style="list-style-type: none"> ■ 5 Year CIP: Road Construction ■ Bituminous Overlay ■ Bridge Construction ■ Complete Rebuild ■ Culvert Construction ■ Culvert Replacement ■ Intersection Realignment | <ul style="list-style-type: none"> ■ Mill & Overlay ■ RR Xing Improvement ■ Reclaim & Overlay ■ Reclaim & Overlay, Turn Lanes ■ Sanitary Sewer ■ Traffic Signals ■ Turn Lanes/Signal Modifications | <ul style="list-style-type: none"> ■ Interstate Highway ■ U.S./State Highway ■ Paved County Road ■ Gravel County Road — Named Road — Railroad | <ul style="list-style-type: none"> Commissioner District Township ★ City/Town ■ Lake |
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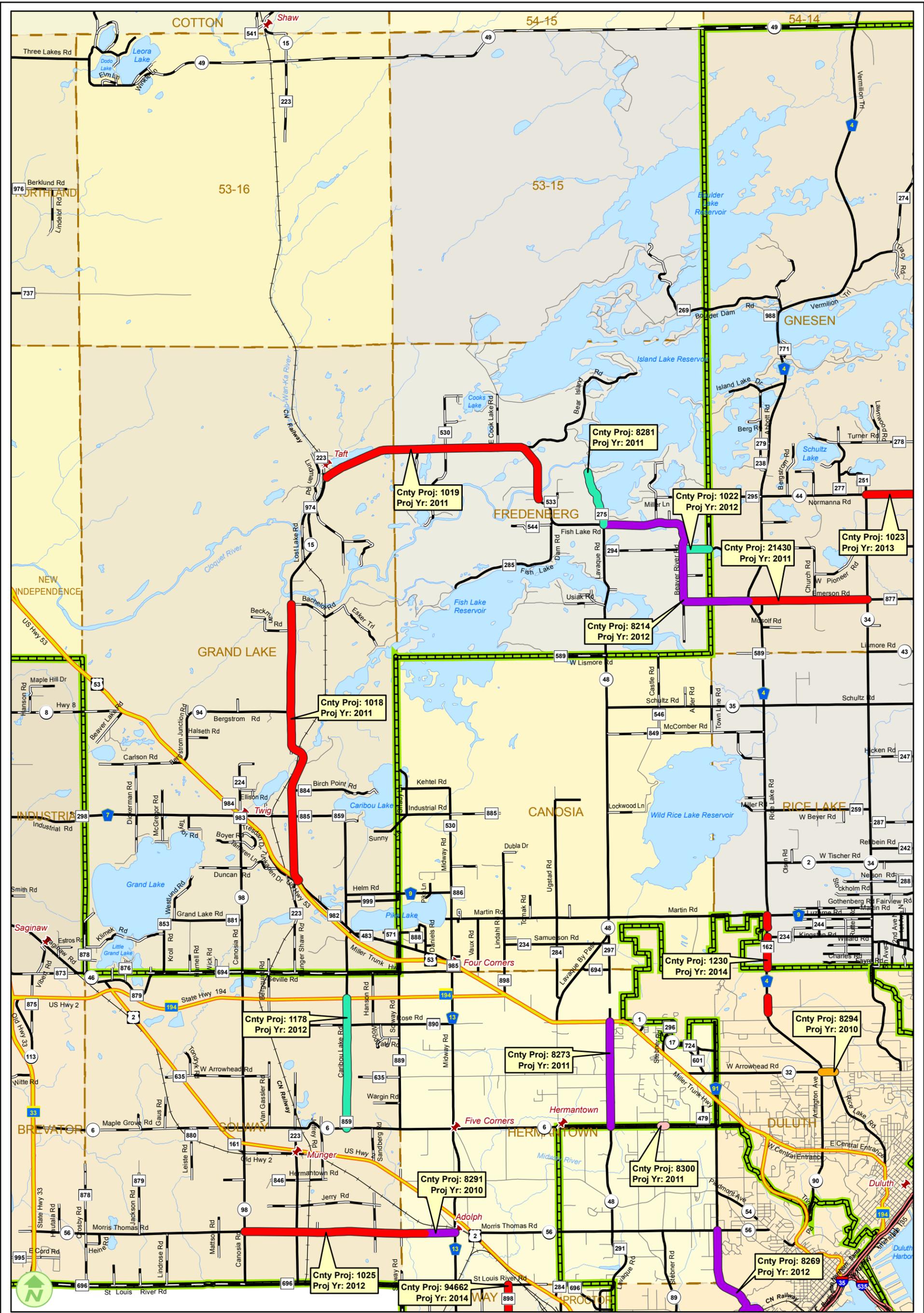


St. Louis County 5 Year CIP: Road & Bridge Construction



Map Components

5 Year CIP: Road Construction	Mill & Overlay	Interstate Highway	Commissioner District
Bituminous Overlay	RR Xing Improvement	U.S./State Highway	Township
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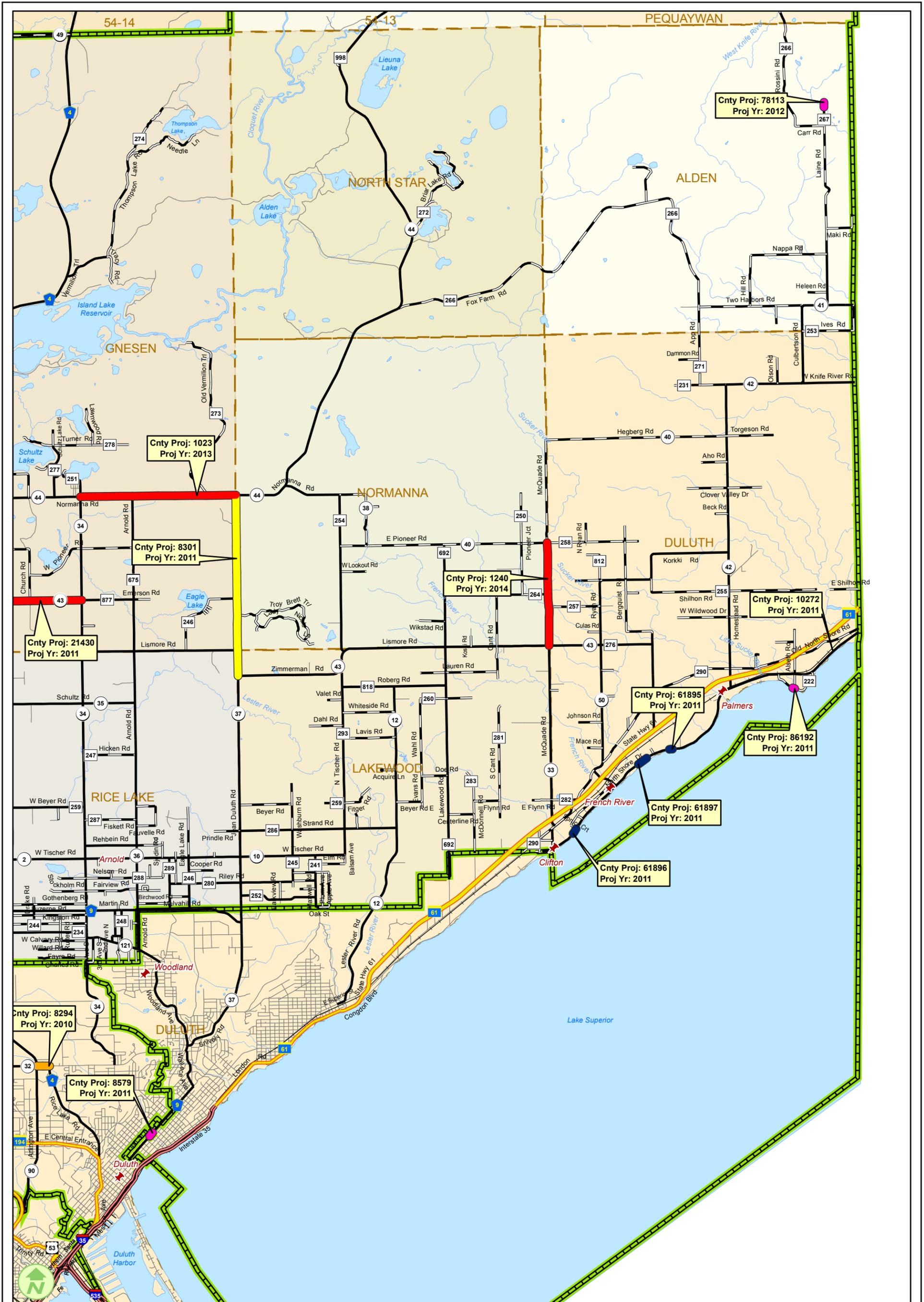


St. Louis County 5 Year CIP: Road & Bridge Construction

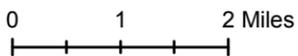
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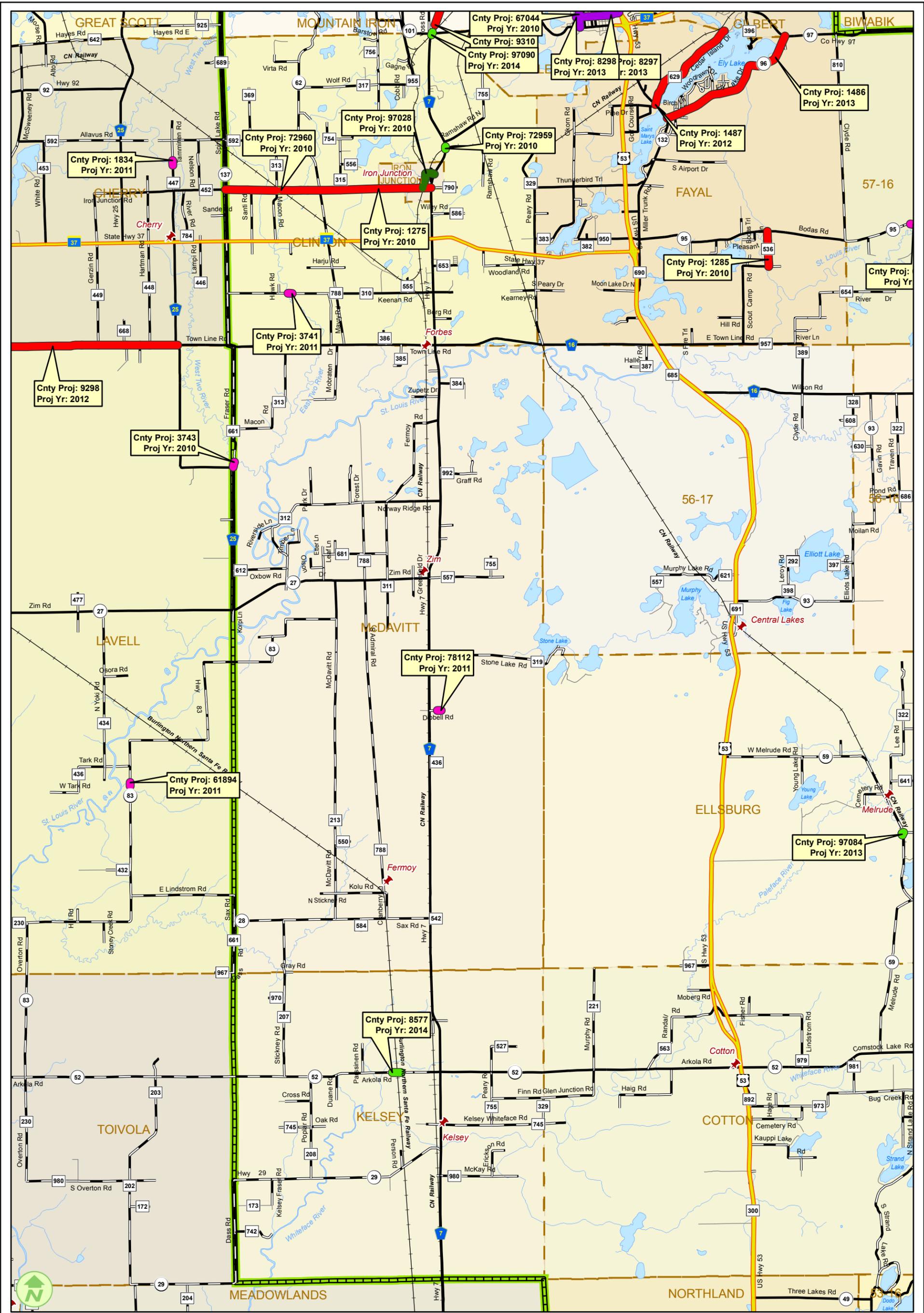


St. Louis County 5 Year CIP: Road & Bridge Construction

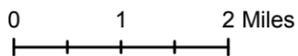


Map Components

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|--|---|--|---|
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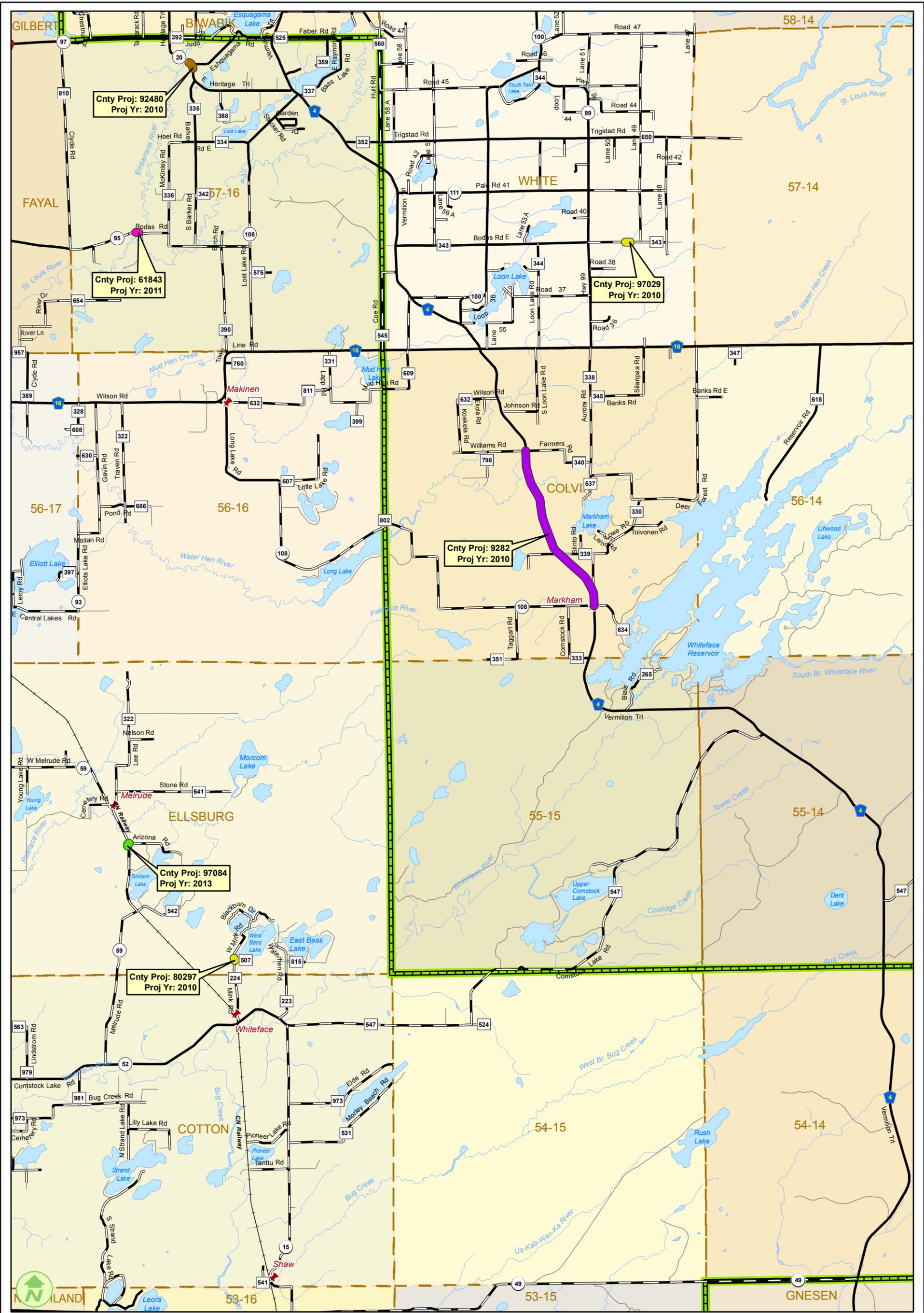


St. Louis County 5 Year CIP: Road & Bridge Construction

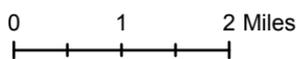


Map Components

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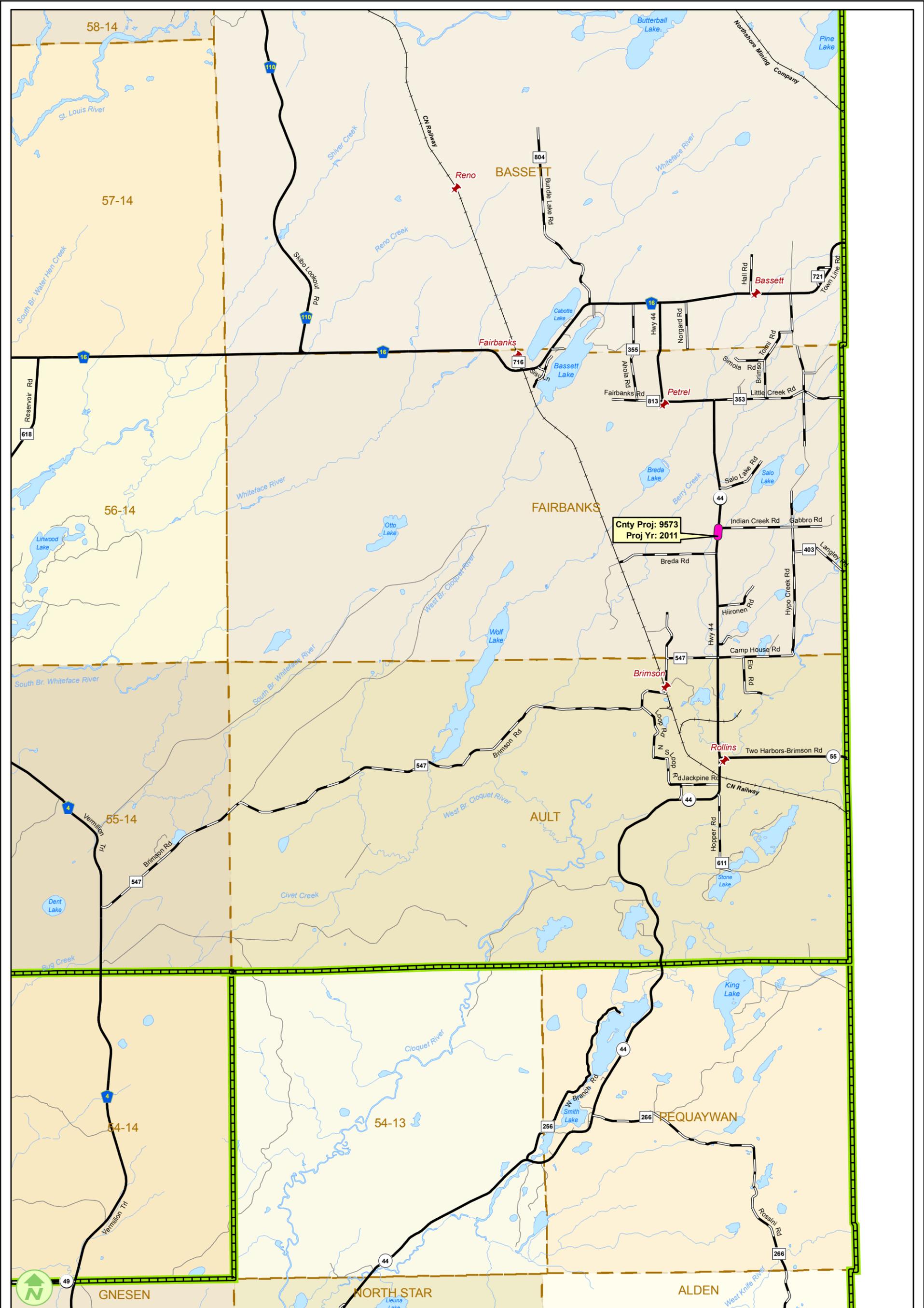


St. Louis County 5 Year CIP: Road & Bridge Construction

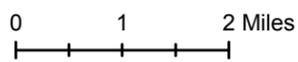


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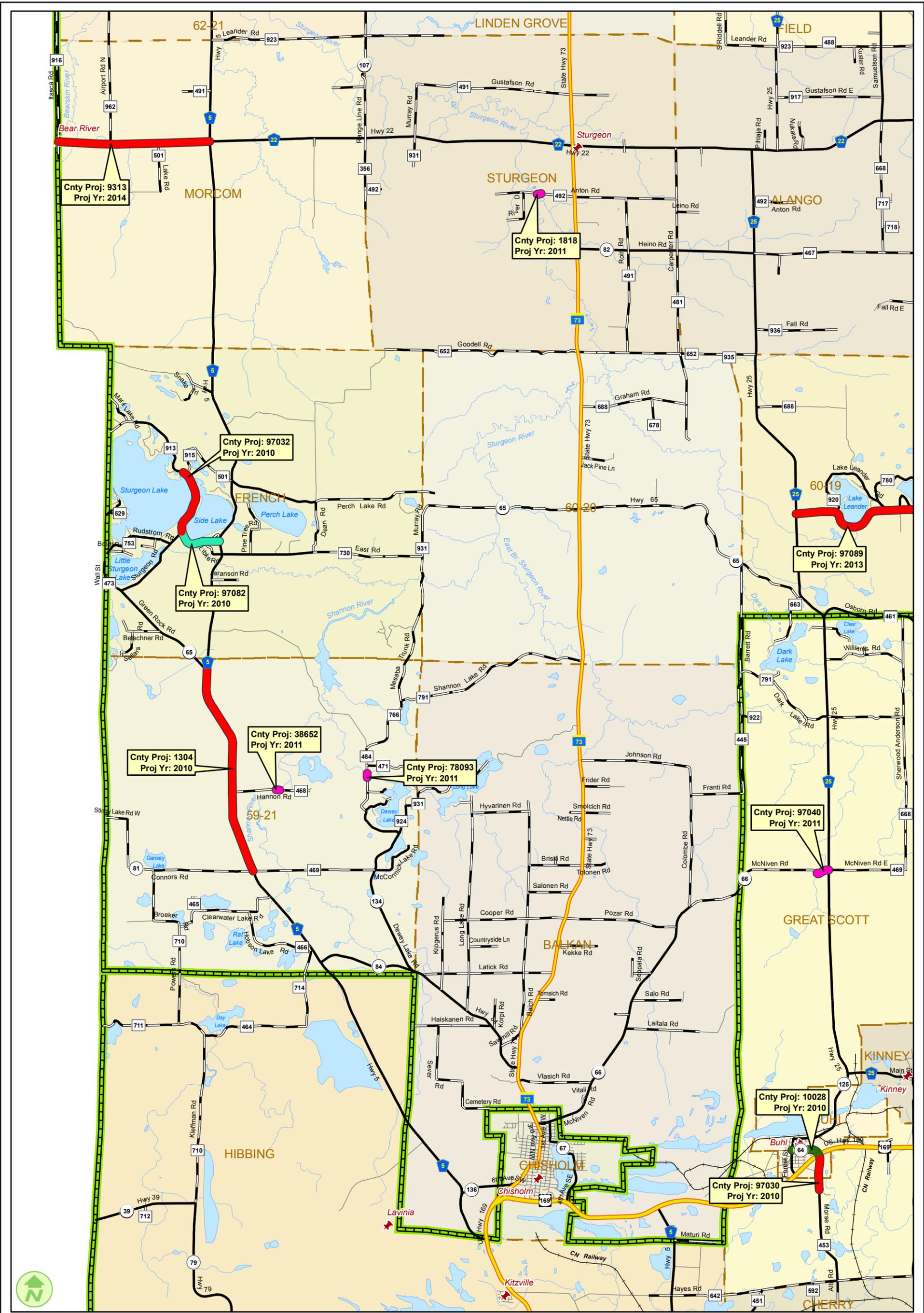


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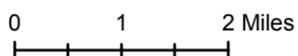


Map Components

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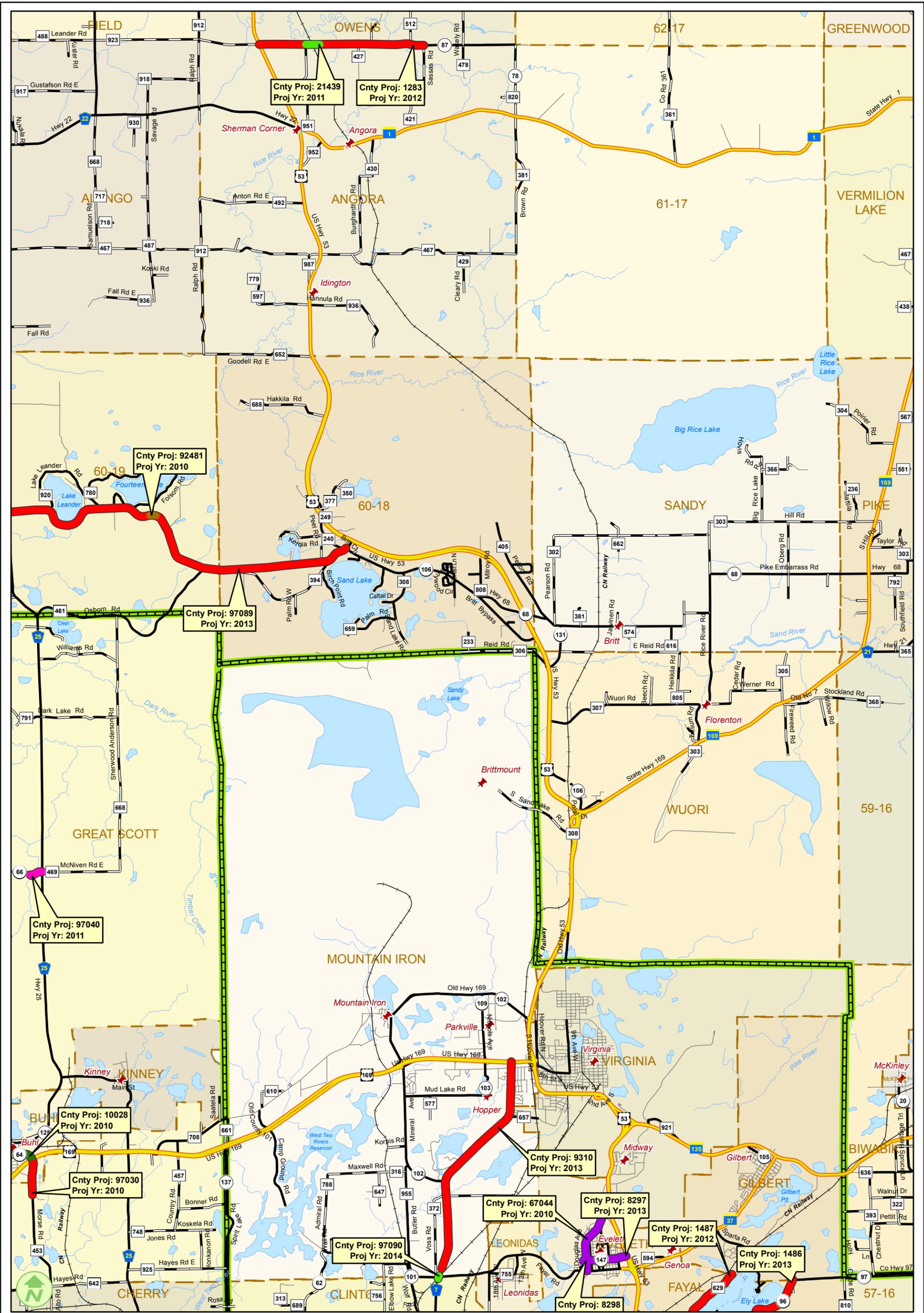


St. Louis County 5 Year CIP: Road & Bridge Construction

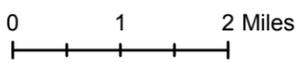


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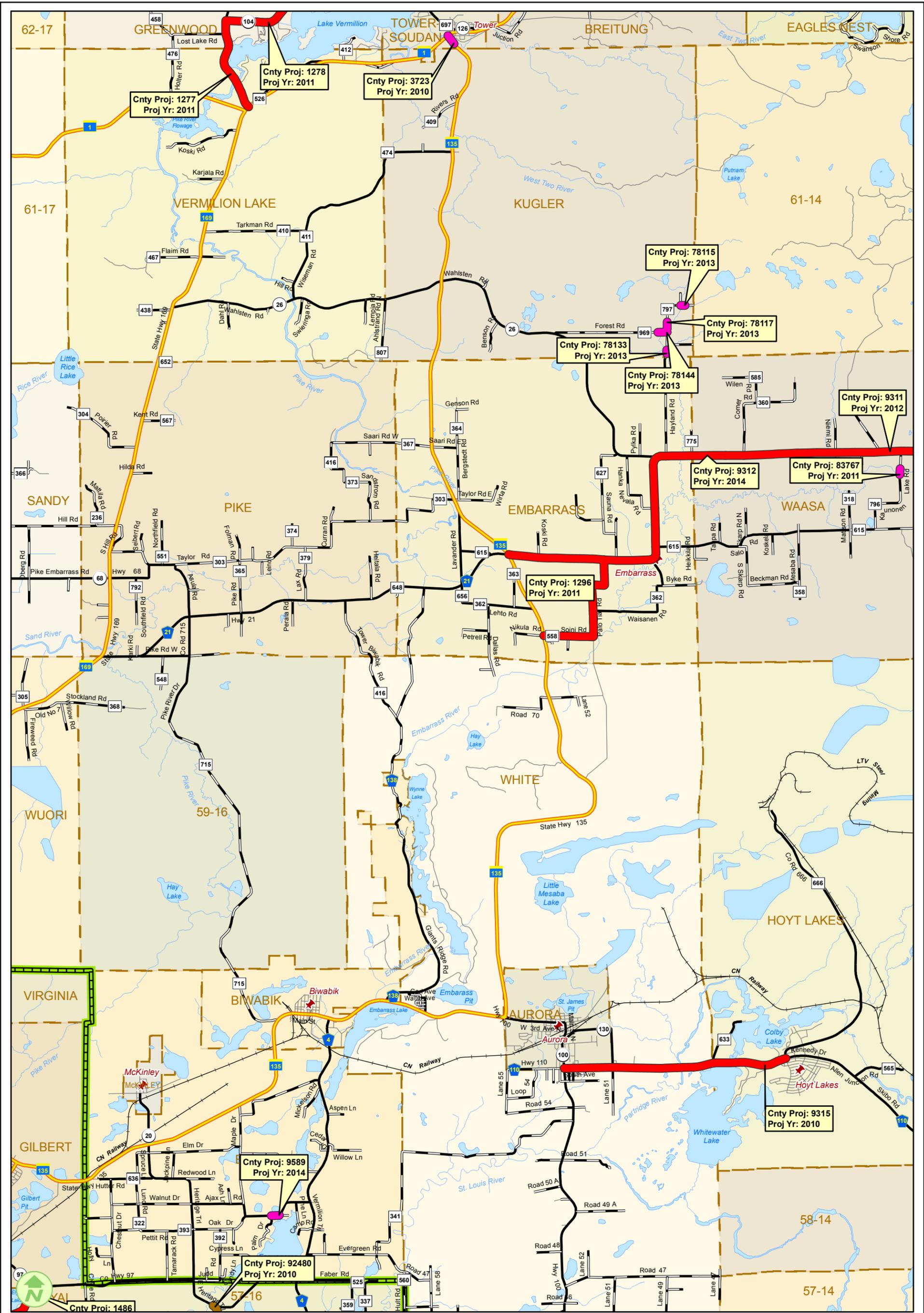


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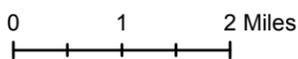


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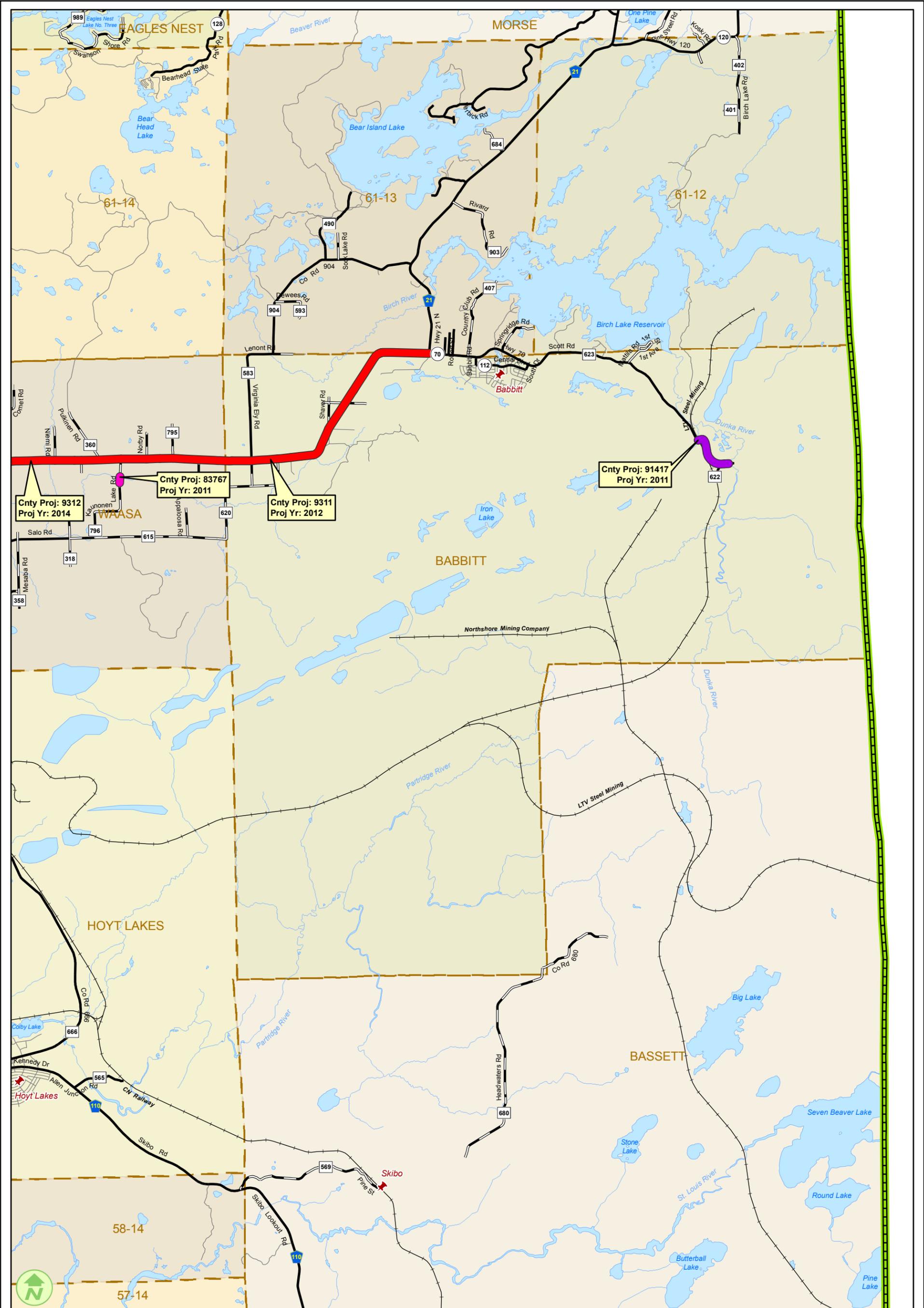


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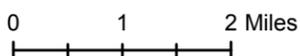


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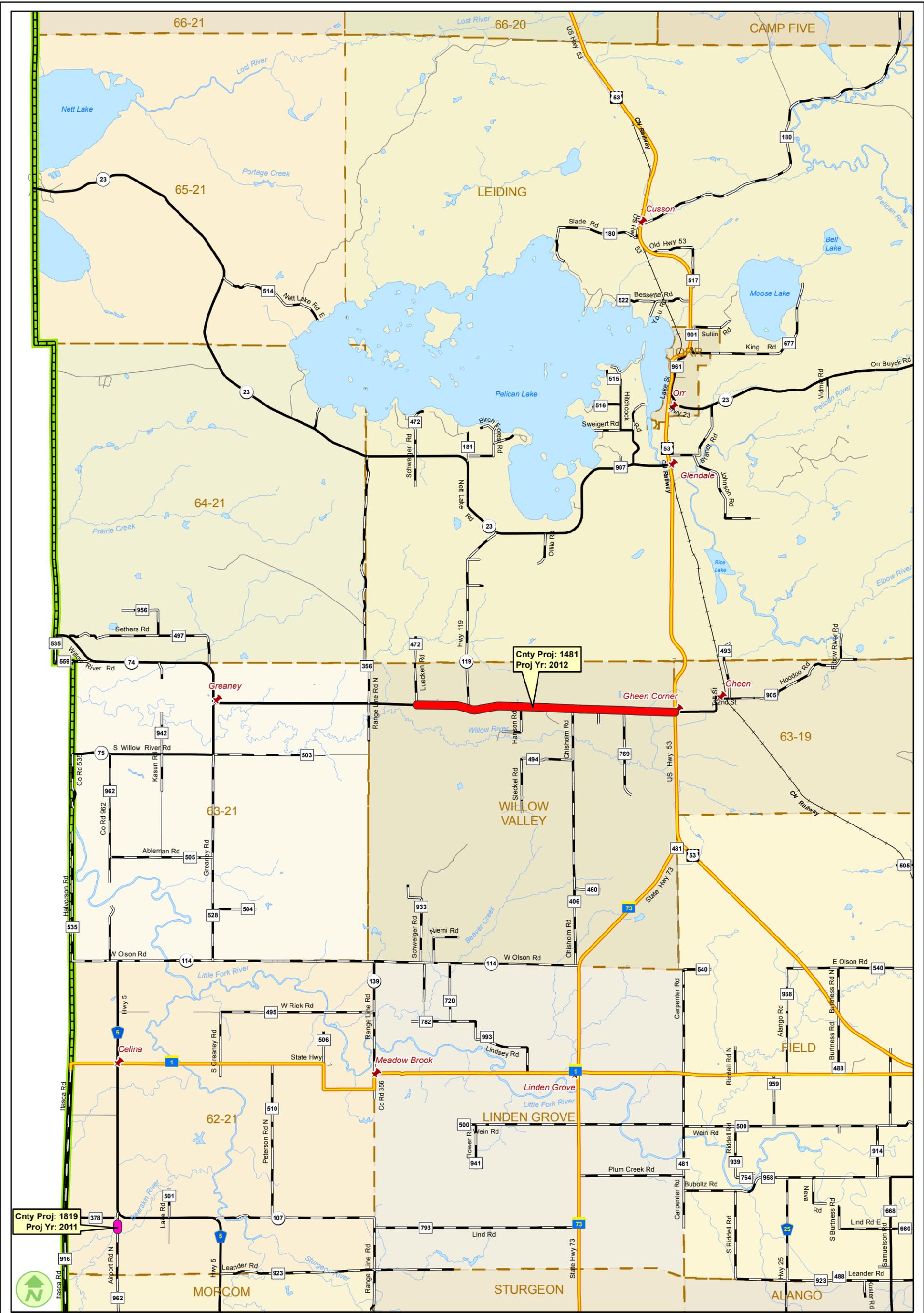


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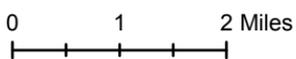


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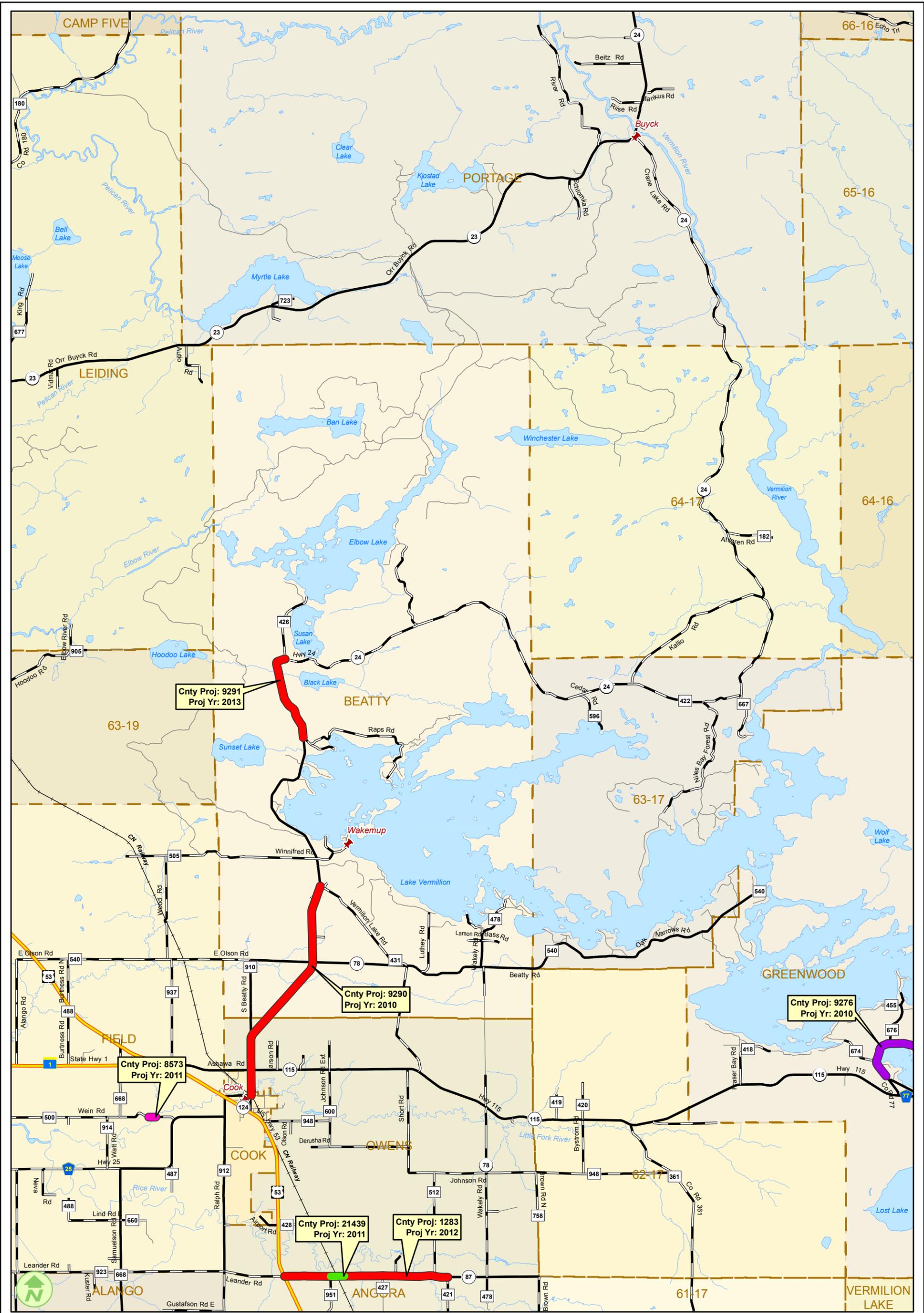


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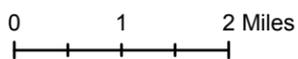


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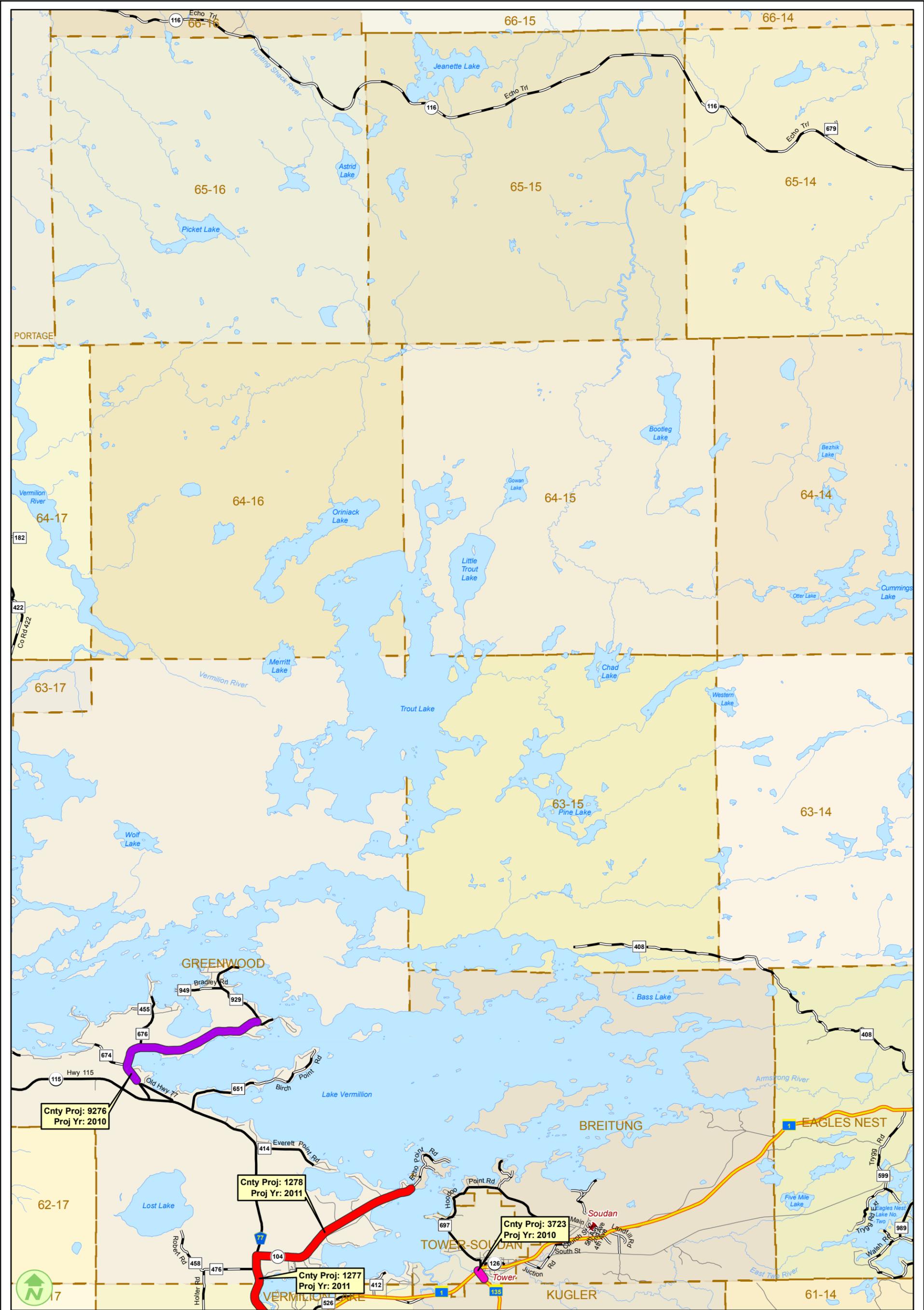


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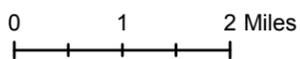


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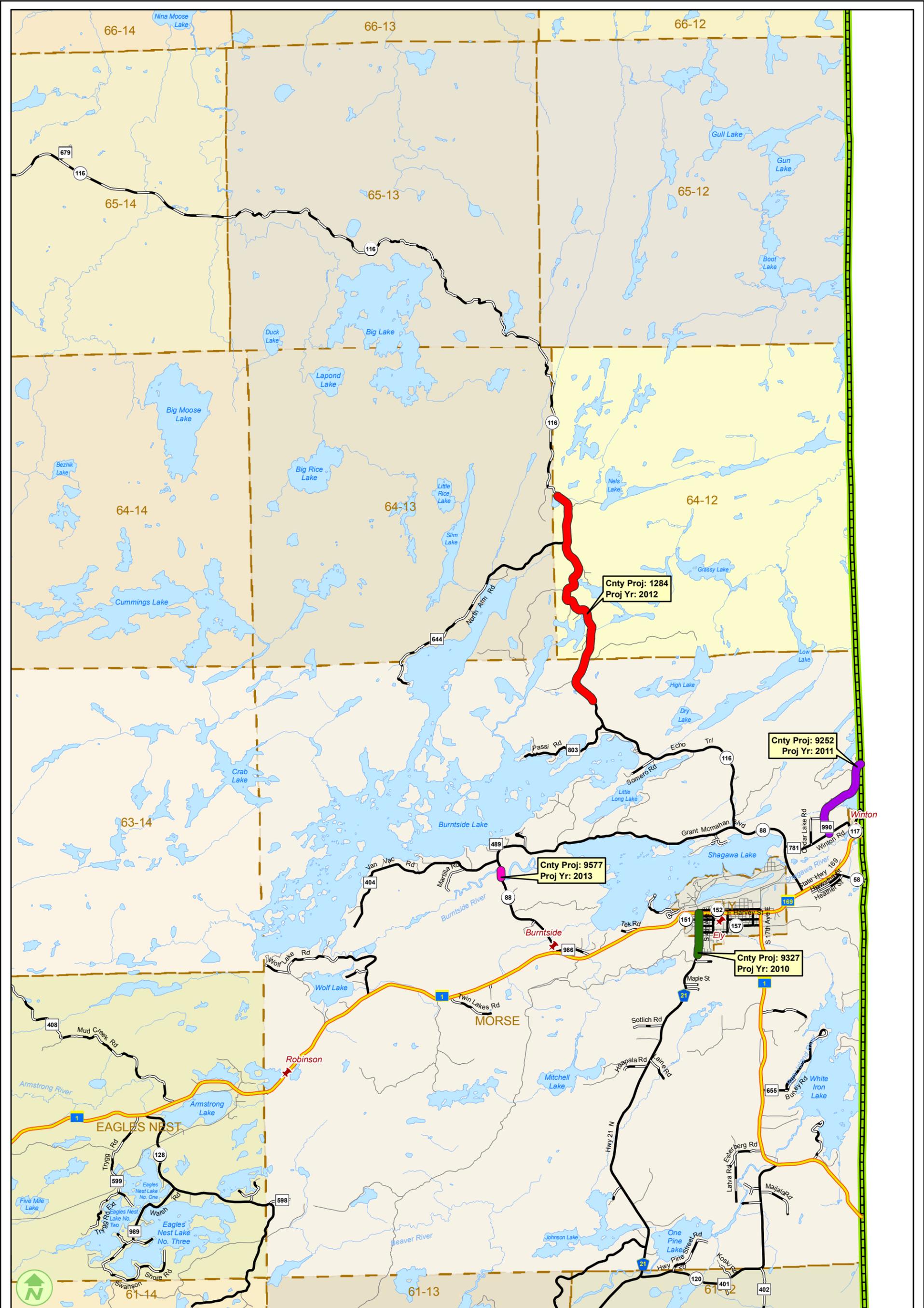


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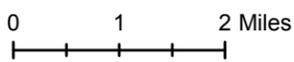


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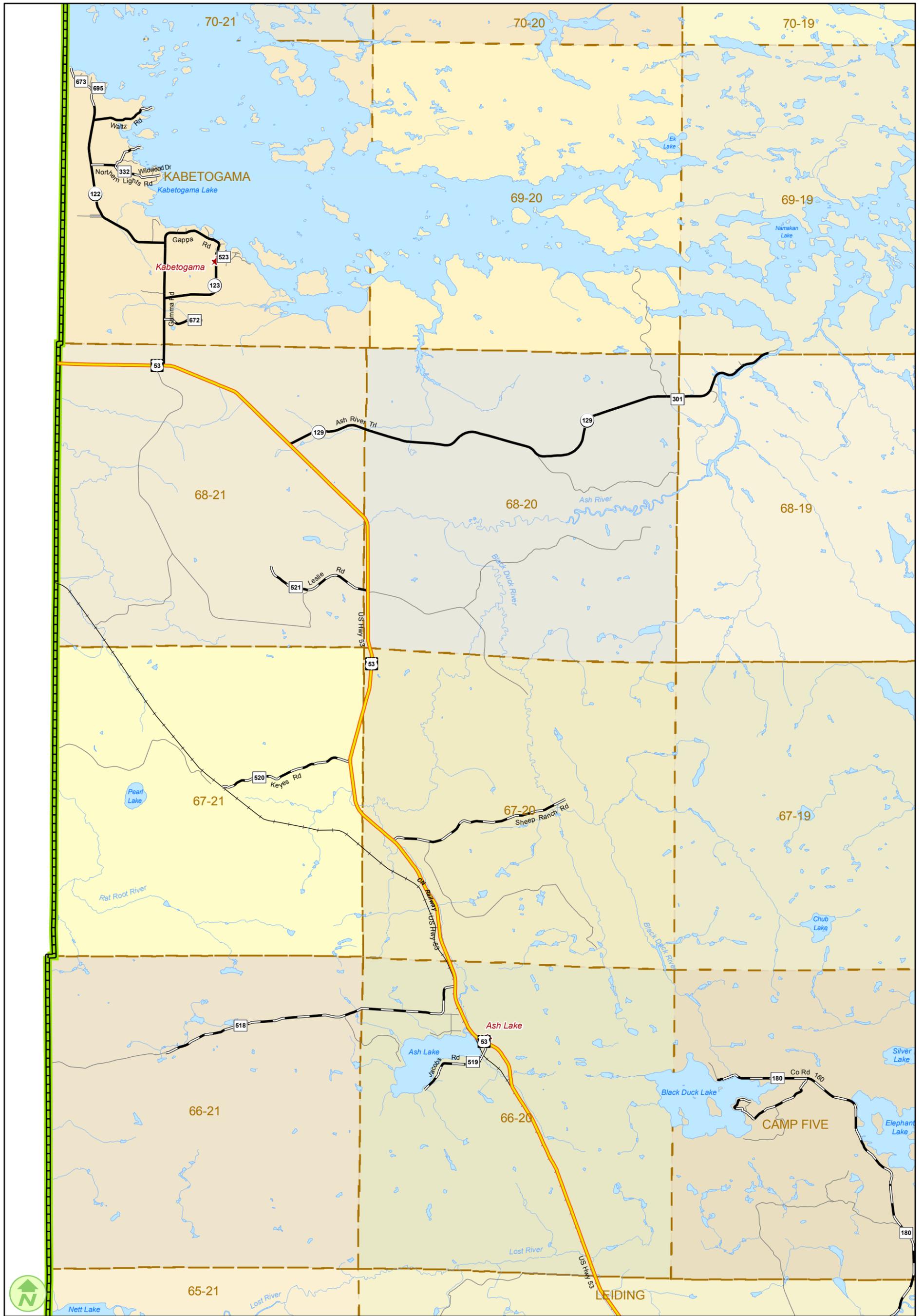


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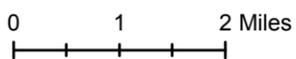
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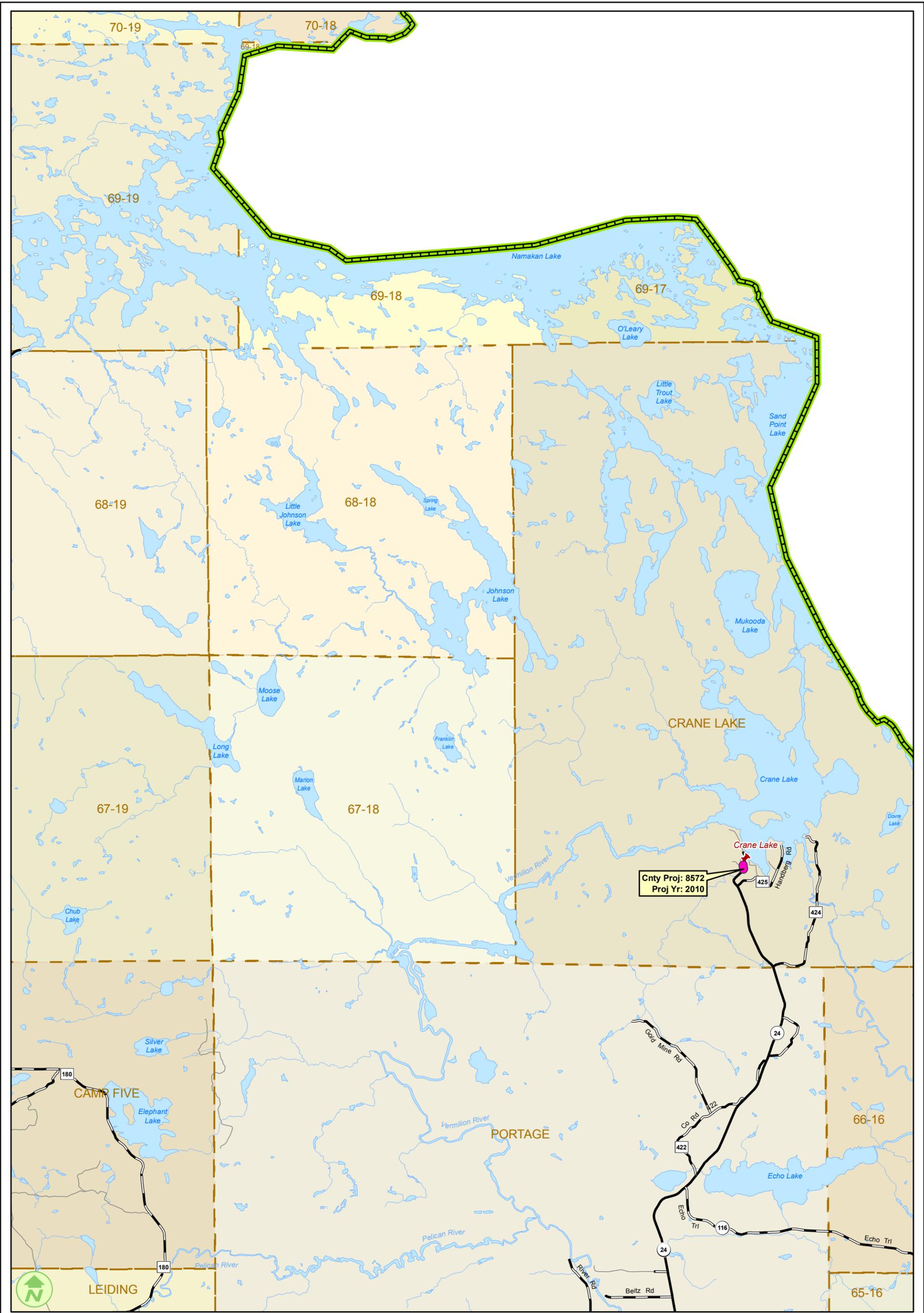
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- █ Sanitary Sewer
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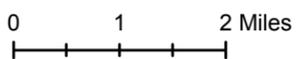
- █ Interstate Highway
- █ U.S./State Highway
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- Township
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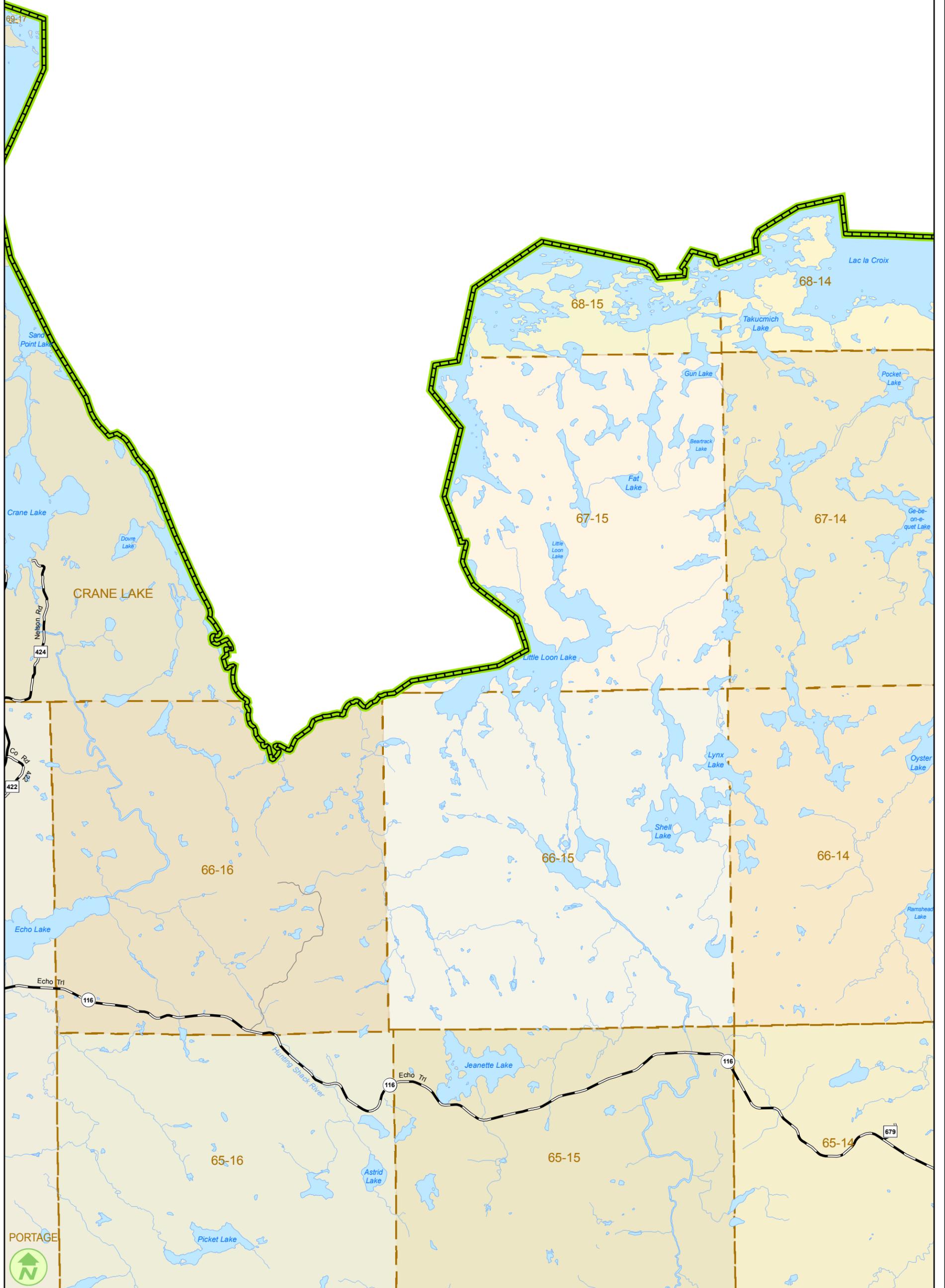


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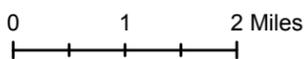
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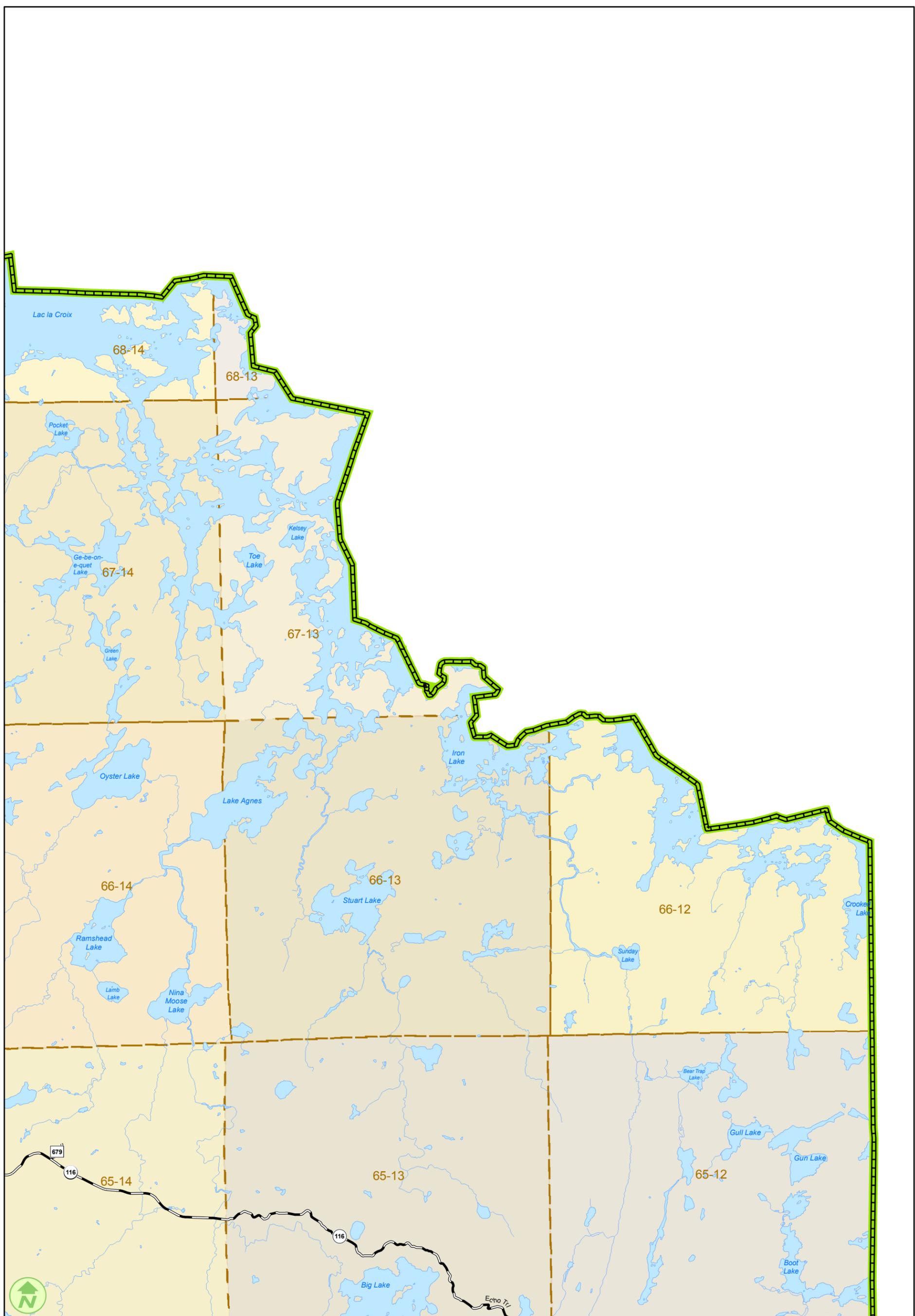


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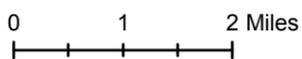
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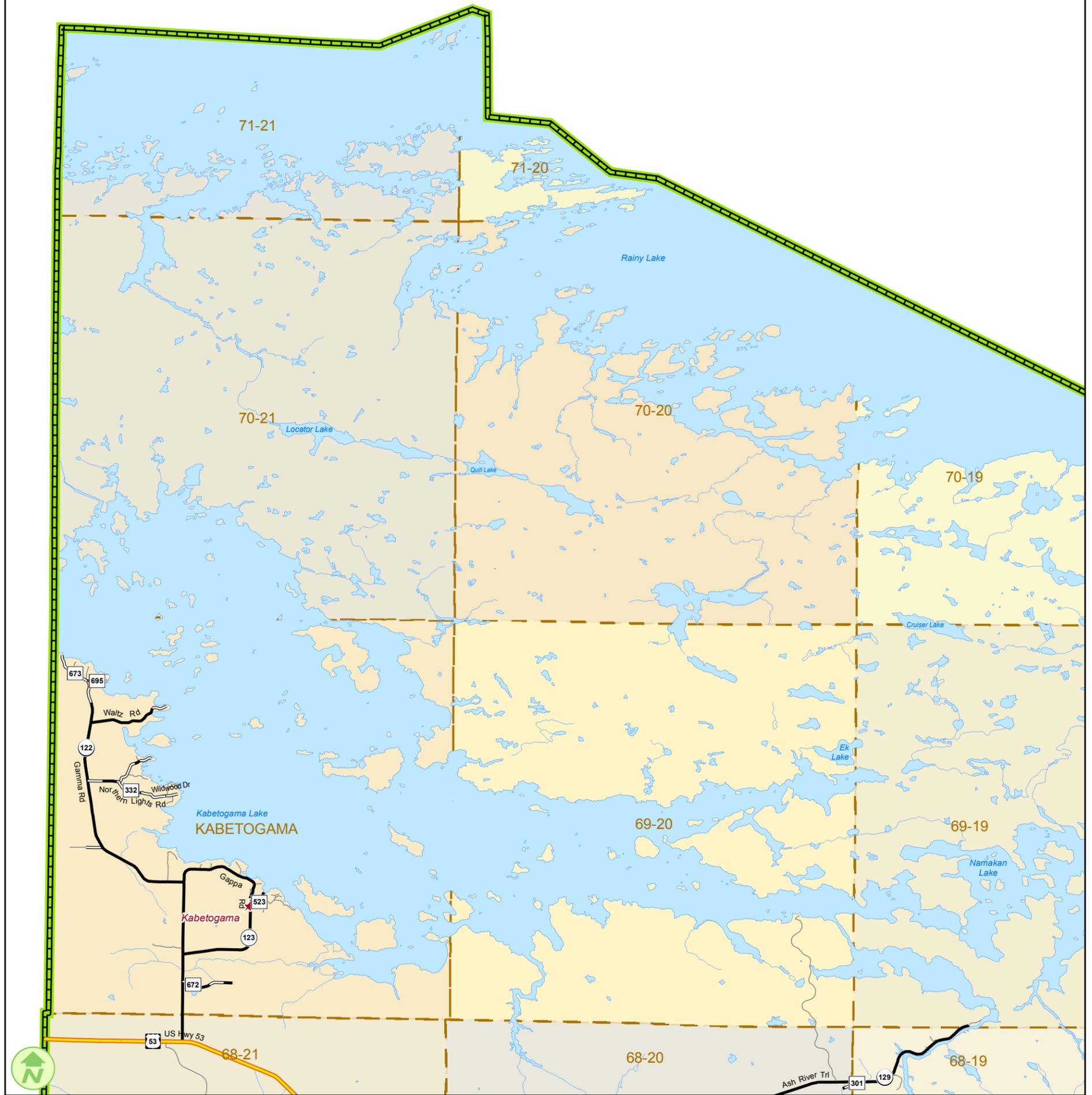


Map Components

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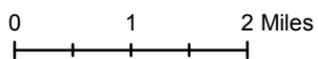
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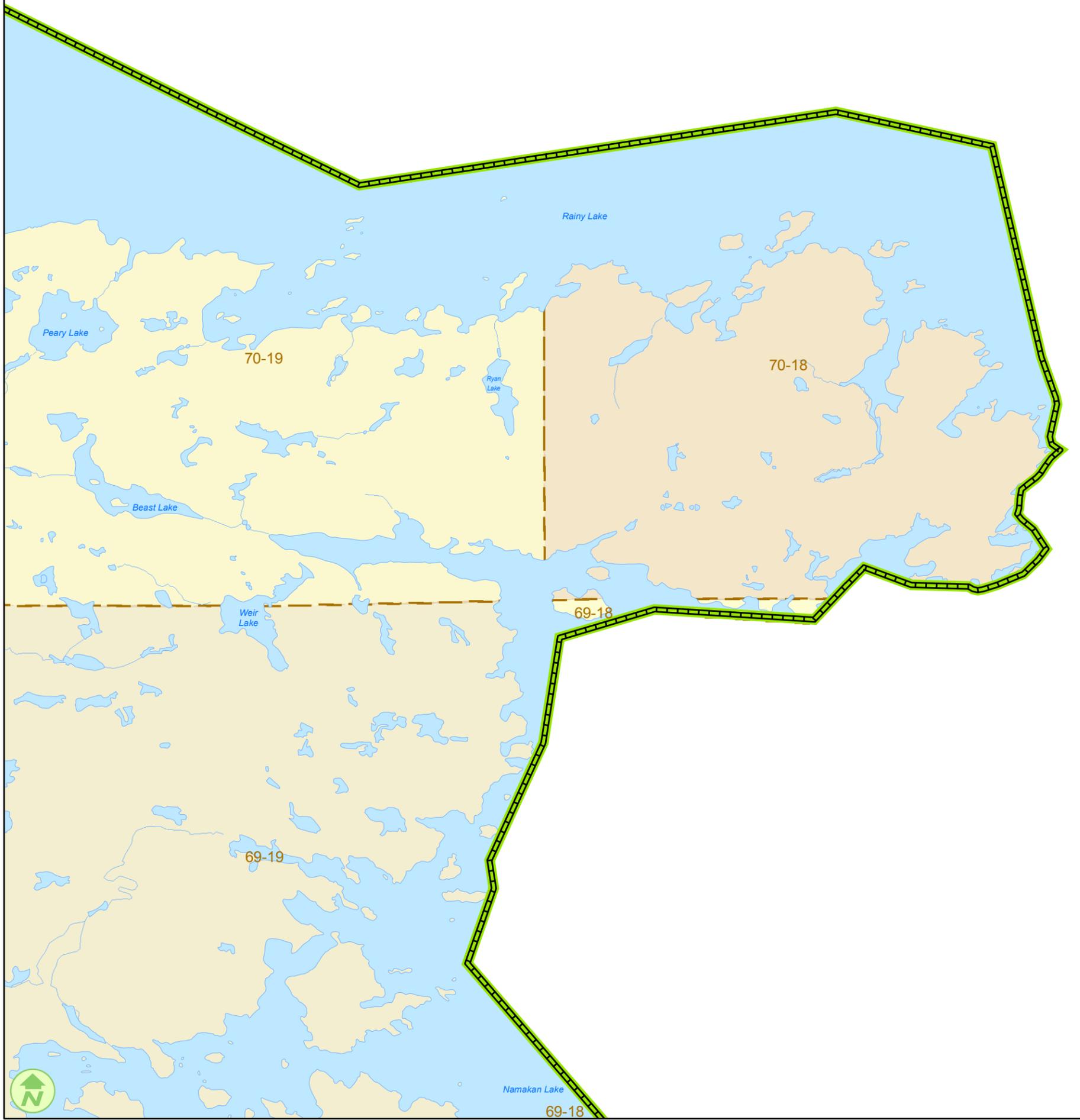
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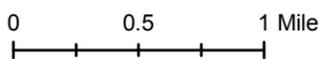
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St. Louis County 5 Year CIP: Road & Bridge Construction



Map Components

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Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Turn Lanes & Traffic Signal Modifications, CSAH 4, SP 69-604-065, CP 8294

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To improve safety and traffic capacity at the intersections indicated.

Description & Location

Construction of additional traffic lanes and traffic signal modifications on both CSAH 4 (Rice Lake Rd.) and Arrowhead Road intersections.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New, more efficient traffic signals should reduce electrical costs. Additional turn lanes and striping will need to be maintained.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor. LED lights will be used in the traffic signals, reducing energy costs. Traffic flow and capacity will be improved, reducing delay and wasted fuel.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$1,647,000	\$183,000	\$1,830,000	Land Acquisition	
2011						Construction	\$1,830,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,647,000	\$183,000	\$1,830,000	Other	
						Total Cost	\$1,830,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR110, MP 110-9315, CP 9315

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR110 from CSAH 100 in Aurora to CR 666 in Hoyt Lakes.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$1,800,000				\$1,800,000	Land Acquisition	
2011						Construction	\$1,800,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$1,800,000				\$1,800,000	Other	
						Total Cost	\$1,800,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Sanitary Sewer CSAH 11, MP 3647, CP 3647

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To reconstruct the Midway Park Sanitary Sewer System and turn it over to the Town of Midway.

Description & Location

Sanitary Sewer on CSAH 11 Midway Park in Midway Township

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

All operating and future repair costs shall become the responsibility of Midway Township.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$144,329			\$1,683,666	\$1,827,995	Land Acquisition	
2011						Construction	\$1,827,995
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$144,329			\$1,683,666	\$1,827,995	Other	
						Total Cost	\$1,827,995

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CSAH 11, SAP 69-611-016, CP 8282

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 11 from 4th Street to Summit Avenue.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$61,492		\$798,255		\$859,747	Land Acquisition	
2011						Construction	\$859,747
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$61,492		\$798,255		\$859,747	Other	
						Total Cost	\$859,747

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Streetscape CSAH 124, SP 69-724-004, CP 9322

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Streetscape on CSAH 124 (River St.) in downtown Cook.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

None. The City of Cook shall maintain improvements made under this project.

Energy Conservation Considerations, if applicable

N/A

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$245,760	\$61,440	\$307,200	Land Acquisition	
2011						Construction	\$307,200
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$245,760	\$61,440	\$307,200	Other	
						Total Cost	\$307,200

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Mill & Overlay, CR127, MP 127-97028, CP97028

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Mill & Overlay of CR127 from CR 452 (Iron Jct. Rd.) to CSAH 7.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$180,000				\$180,000	Land Acquisition	
2011						Construction	\$180,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$180,000				\$180,000	Other	
						Total Cost	\$180,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CSAH 142, SAP 69-742-002, CP 67044

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 142 from CSAH 101 (Fayal Rd.) to TH #53 in Eveleth.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$2,649,000	\$2,649,000	Land Acquisition	
2011						Construction	\$2,649,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$2,649,000	\$2,649,000	Other	
						Total Cost	\$2,649,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Intersection Realignment, CSAH 20, MP 20-92480, CP 92480

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To improve safety at the intersection indicated. Will be completed by County forces with no out-of-pocket expenses.

Description & Location

Intersection Realignment of Intersection at CSAH 20 (Heritage Trail) and UT 9228 (Esquagama Rd.)

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

None

Energy Conservation Considerations, if applicable

Traffic flow and capacity will be improved, reducing delay and wasted fuel.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$0
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL					\$0	Other	
						Total Cost	\$0

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Mill & Overlay, CSAH 21, SAP 69-621-032, CP 9327

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Mill & Overlay of CSAH 21 from South city limits of Ely (0.8 Miles South of TH #169) to TH #169.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$1,100,000	\$1,100,000	Land Acquisition	
2011						Construction	\$1,100,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$1,100,000	\$1,100,000	Other	
						Total Cost	\$1,100,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Culvert Replacement, CR 224, MP 224-80297, CP 80297

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Culvert Replacement on CR 224 at 1.25 Miles N. of CSAH 52 (Comstock Lake Rd.) (Outlet to Cameron Lake).

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$5,000	\$5,000	Land Acquisition	
2011						Construction	\$5,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$5,000	\$5,000	Other	
						Total Cost	\$5,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CSAH 24, SAP 69-624-015, CP 8572

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge at Crane Lake on CSAH 24, 0.5 miles N. of C.R. 425.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$413,246		\$413,246	Land Acquisition	
2011						Construction	\$413,246
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$413,246		\$413,246	Other	
						Total Cost	\$413,246

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 24, SAP 69-624-016, CP 9290

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 24 from CSAH 25 to County Road 431 (Vermilion Lake Rd.)

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$1,350,000		\$1,350,000	Land Acquisition	
2011						Construction	\$1,350,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,350,000		\$1,350,000	Other	
						Total Cost	\$1,350,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Culvert Replacement, CR 343, MP 343-97029, CP 97029

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Culvert Replacement on CR 343 at 0.75 miles E. of CSAH 99 over the Waterhen River.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$5,000	\$5,000	Land Acquisition	
2011						Construction	\$5,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$5,000	\$5,000	Other	
						Total Cost	\$5,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR452, MP 452-1275, CP 1275

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR452 from CSAH 137 (Spirit Lake Rd.) to CSAH 7

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$900,000				\$900,000	Land Acquisition	
2011						Construction	\$900,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$900,000				\$900,000	Other	
						Total Cost	\$900,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CR452, MP 452-72960, CP 72960

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Railroad Crossing Improvement on CR 452 at CN RR Xing just W. of CR 313 (Macon Rd.), USDOT #252014D.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$11,800				\$11,800	Land Acquisition	
2011						Construction	\$11,800
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$11,800				\$11,800	Other	
						Total Cost	\$11,800

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR453, MP 453-97030, CP 97030

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR453 from Twp. Rd. #7936 (Lakeview Cemetery Rd.) to TH #169.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$240,000				\$240,000	Land Acquisition	
2011						Construction	\$240,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$240,000				\$240,000	Other	
						Total Cost	\$240,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Turn Lanes & Traffic Signal Modifications, CSAH 4, SP 69-604-065, CP 8294

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To improve safety and traffic capacity at the intersections indicated.

Description & Location

Construction of additional traffic lanes and traffic signal modifications on both CSAH 4 (Rice Lake Rd.) and Arrowhead Road intersections.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New, more efficient traffic signals should reduce electrical costs. Additional turn lanes and striping will need to be maintained.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor. LED lights will be used in the traffic signals, reducing energy costs. Traffic flow and capacity will be improved, reducing delay and wasted fuel.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$1,647,000	\$183,000	\$1,830,000	Land Acquisition	
2011						Construction	\$1,830,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,647,000	\$183,000	\$1,830,000	Other	
						Total Cost	\$1,830,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Complete Rebuild, CSAH 4, SP 69-604-060, CP 9282

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 4 from CSAH 108 south of Markham to 0.7 Miles North of CR 340.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$4,800,000		\$4,800,000	Land Acquisition	
2011						Construction	\$4,800,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$4,800,000		\$4,800,000	Other	
						Total Cost	\$4,800,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CR508, MP 508-92368, CP 92368

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 508 at 0.8 miles W. of T.H. #73 over Trib. to Floodwood River.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$50,000				\$50,000	Land Acquisition	
2011						Construction	\$50,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$50,000				\$50,000	Other	
						Total Cost	\$50,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR536, MP 536-1285, CP 1285

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR536 from 0.7 miles south of CSAH 95 at Twp. Rd. 6705 to CSAH 95.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$140,000				\$140,000	Land Acquisition	
2011						Construction	\$140,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$140,000				\$140,000	Other	
						Total Cost	\$140,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CSAH 56, SAP 69-656-011, CP 8291

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 56 from 0.5 miles west of CSAH 13 to CSAH 13.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$300,000	\$300,000	\$600,000	Land Acquisition	
2011						Construction	\$600,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$300,000	\$300,000	\$600,000	Other	
						Total Cost	\$600,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Mill & Overlay, CSAH 57, MP 57-72929, CP 72929

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Mill & Overlay of CSAH 57 from CSAH 16 to Hematite St.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$1,400,000				\$1,400,000	Land Acquisition	
2011						Construction	\$1,400,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$1,400,000				\$1,400,000	Other	
						Total Cost	\$1,400,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** CSAH 5, MP 5-1304, CP 1304

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 5 from C.R. 469 (Connors Rd.) to CSAH 65 (Green Rock Rd.).

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$1,550,000				\$1,550,000	Land Acquisition	
2011						Construction	\$1,550,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$1,550,000				\$1,550,000	Other	
						Total Cost	\$1,550,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Mill & Overlay, CSAH 64, SAP 69-664-???, CP 10028

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Mill & Overlay of CSAH 64 from CSAH 125 (Forest St.) to TH #169 in Buhl.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$240,000		\$240,000	Land Acquisition	
2011						Construction	\$240,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$240,000		\$240,000	Other	
						Total Cost	\$240,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Intersection Realignment, CSAH 65, MP 65-92481, CP 92481

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To improve safety at the intersection indicated. Will be completed by County forces with no out-of-pocket expenses.

Description & Location

Intersection Realignment of Intersection of CSAH 65 (Hwy 65) and U.T. 8132 (Folsom Rd.)

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

None

Energy Conservation Considerations, if applicable

Traffic flow and capacity will be improved, reducing delay and wasted fuel.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$0
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL					\$0	Other	
						Total Cost	\$0

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bituminous Overlay, CSAH 65, MP 65-97082, CP 97082

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Bituminous Overlay of CSAH 65 from CR 915 to CSAH 5.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$160,000				\$160,000	Land Acquisition	
2011						Construction	\$160,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$160,000				\$160,000	Other	
						Total Cost	\$160,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CR661, MP 661-3743, CP 3743

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 661 at Fraser Rd. 0.1 miles north of JCT with CSAH 25.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$500,000				\$500,000	Land Acquisition	
2011						Construction	\$500,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$500,000				\$500,000	Other	
						Total Cost	\$500,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Preliminary Engineering CR 715, MP 715-3758, CP 3758

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Preliminary Engineering on CR 715 from TH #135/CSAH 4 intersection to CR #715 at north Biwabik City Limits

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

None

Energy Conservation Considerations, if applicable

N/A

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$2,000,000	\$2,000,000	Land Acquisition	
2011						Construction	\$2,000,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$2,000,000	\$2,000,000	Other	
						Total Cost	\$2,000,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CR740, MP 740-92369, CP 92369

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 740 at 1.1 miles N. of CSAH 133 over Skunk Creek.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$50,000				\$50,000	Land Acquisition	
2011						Construction	\$50,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$50,000				\$50,000	Other	
						Total Cost	\$50,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CSAH 77, SAP 69-677-008, CP 9276

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 77 from end of SAP 69-677-003 at 0.5 Miles N. of CSAH 115 to end of CSAH 77 at CR 929.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$4,910,610		\$4,910,610	Land Acquisition	
2011						Construction	\$4,910,610
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$4,910,610		\$4,910,610	Other	
						Total Cost	\$4,910,610

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CR 7, MP 7-72959, CP 72959

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CR 7 at the CN RR Xing just South of CR 755 (N. Ramshaw Rd.), USDOT #252375H.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$23,900				\$23,900	Land Acquisition	
2011						Construction	\$23,900
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$23,900				\$23,900	Other	
						Total Cost	\$23,900

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR8104, MP 8104-97033, CP 97033

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR8104 at 0.4 miles N. of TH #2

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$25,000	\$25,000	Land Acquisition	
2011						Construction	\$25,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$25,000	\$25,000	Other	
						Total Cost	\$25,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Reclaim & Overlay, CR832, MP 832-97031, CP 97031

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR832 from CR832 (Floodwood Rd.) to TH #2.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$150,000				\$150,000	Land Acquisition	
2011						Construction	\$150,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$150,000				\$150,000	Other	
						Total Cost	\$150,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR915, MP 915-97032, CP 97032

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR915 from CSAH 65 to CR 913

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$315,000				\$315,000	Land Acquisition	
2011						Construction	\$315,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$315,000				\$315,000	Other	
						Total Cost	\$315,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR965, SAP 69-5??-???, CP 3726

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR965 at 1.3 miles N. of CR 817 (Arkola Rd.) over Sand Creek.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010				\$75,000	\$75,000	Land Acquisition	
2011						Construction	\$75,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$75,000	\$75,000	Other	
						Total Cost	\$75,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Ped & Bike Trail, SP 69-090-18, CP 3623

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To provide recreational trails for pedestrian and bicycle users throughout St. Louis County.

Description & Location

Construct bituminous trail between McKinley and Biwabik.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

None.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor. The trail will encourage the use of non-motorized travel.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$480,000	\$120,000	\$600,000	Land Acquisition	
2011						Construction	\$600,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$480,000	\$120,000	\$600,000	Other	
						Total Cost	\$600,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Ped & Bike Trail, SP 69-090-21, CP 3636

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To provide recreational trails for pedestrian and bicycle users throughout St. Louis County.

Description & Location

Construct bituminous trail between Soudan Townsite and CSAH 128 east of Tower.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

None.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor. The trail will encourage the use of non-motorized travel.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$400,000	\$200,000	\$600,000	Land Acquisition	
2011						Construction	\$600,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$400,000	\$200,000	\$600,000	Other	
						Total Cost	\$600,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, SP 69-597-005, CP 3700

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CR 284 (Ugstad Rd.) to CSAH 14 (Boundary Ave.) in Proctor.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$4,308,697	\$1,056,048	\$5,364,745	Land Acquisition	
2011						Construction	\$5,364,745
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$4,308,697	\$1,056,048	\$5,364,745	Other	
						Total Cost	\$5,364,745

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Ped & Bike Trail, SP 69-090-24, CP 3721

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To provide recreational trails for pedestrian and bicycle users throughout St. Louis County.

Description & Location

Construct bituminous trail between Fayal and Eveleth Spur from Comm. Ctr. to Mesabi Station

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

None.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor. The trail will encourage the use of non-motorized travel.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$216,000	\$54,000	\$270,000	Land Acquisition	
2011						Construction	\$270,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$216,000	\$54,000	\$270,000	Other	
						Total Cost	\$270,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Ped & Bike Trail, SP 69-090-23, CP 3722

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To provide recreational trails for pedestrian and bicycle users throughout St. Louis County.

Description & Location

Construct bituminous trail between TH 135 (1 Miles S. of Embarrass River) and CSAH 21 & CR 362.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

None.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor. The trail will encourage the use of non-motorized travel.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$640,000	\$160,000	\$800,000	Land Acquisition	
2011						Construction	\$800,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$640,000	\$160,000	\$800,000	Other	
						Total Cost	\$800,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, SP 69-596-005, CP 3723

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge at TH #169/TH #135 Interchange to 1/2 Mi. S. at East Two Rivers Crossing, Tower.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$1,595,343	\$1,987,005	\$3,582,348	Land Acquisition	
2011						Construction	\$3,582,348
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,595,343	\$1,987,005	\$3,582,348	Other	
						Total Cost	\$3,582,348

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Train Shed Roof Reconstruction SP 69-595-006, CP 3761

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in the Duluth Depot. These improvements will protect the structure from water damage and provide a safe and healthy work environment for employees.

Description & Location

Train Shed Roof Reconstruction at Lake Superior RR Museum at the Depot in Duluth.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

Roof reconstruction should include additional insulation, lowering heating costs. New lighting should be more energy efficient.

Energy Conservation Considerations, if applicable

Roof reconstruction should include additional insulation, lowering heating costs. New lighting should be more energy efficient.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010			\$400,000	\$900,000	\$1,300,000	Land Acquisition	
2011						Construction	\$1,300,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$400,000	\$900,000	\$1,300,000	Other	
						Total Cost	\$1,300,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Rumble Stripes, Various County highways, SP 69-070-005, CP 92759

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To improve the safety at various locations throughout the county by preventing run-off-the-road accidents.

Description & Location

Placing rumble stripes on various paved county highways.

Attachments
Prepared:

Effect on Operating Budget

Will allow us to place more edge striping using the local levy budget and will extend the life of the pavement markings.

Energy Conservation Considerations, if applicable

May allow us to extend the life of pavement markings, requiring less frequent applications.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010	\$27,778		\$250,000		\$277,778	Land Acquisition	
2011						Construction	\$277,778
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$27,778		\$250,000		\$277,778	Other	
						Total Cost	\$277,778

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CSAH 31, SAP 69-631-006, CP 8555

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2010

End Year: 2010

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 31, Over Stoney Brook River

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$550,000
2012			\$550,000		\$550,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$550,000		\$550,000	Other	
						Total Cost	\$550,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 104, SP 69-704-004, CP 1278

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH104 from CSAH 77 to end.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$1,200,000		\$1,200,000	Construction	\$1,200,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,200,000		\$1,200,000	Other	
						Total Cost	\$1,200,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 15, MP 15-1018, CP 1018

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 15 from T.H. 53 to Twp. Rd. 5641 (Bachelor Rd.).

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$1,400,000				\$1,400,000	Construction	\$1,400,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$1,400,000				\$1,400,000	Other	
						Total Cost	\$1,400,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CSAH 16, MP 16-86210, CP 86210

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 16, 1.25 miles E. of TH #73.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$130,000				\$130,000	Construction	\$130,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$130,000				\$130,000	Other	
						Total Cost	\$130,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR 222, MP 222-86192, CP 86192

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 222, 0.1 miles W. of Alseth Rd.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$80,000				\$80,000	Construction	\$80,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$80,000				\$80,000	Other	
						Total Cost	\$80,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Railroad Crossing Improvement, CR 223, SP 69-00185, CP 97041

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CR 223 at the DM&IR RR Xing 0.1 miles south of TH #2, USDOT #251908M.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$22,500		\$202,500			Construction	\$225,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$22,500		\$202,500			Other	
						Total Cost	\$225,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bituminous Overlay, CR 275, SAP 69-600-35, CP 8281

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Bituminous Overlay of CR 275 from CSAH 48 (Fish Lake Rd.) to MNPower Boat Launch.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$225,000	\$225,000	Construction	\$225,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$225,000	\$225,000	Other	
						Total Cost	\$225,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CSAH 27, SP 69-00187, CP 97039

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CSAH 27 at the BNSF RR Xing 1.25 miles east of CSAH 5, USDOT #061253A.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$225,000		\$225,000	Construction	\$225,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$225,000		\$225,000	Other	
						Total Cost	\$225,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR 310, MP 310-3741, CP 3741

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 310, 2.8 miles W. of CSAH 7 over East Two River.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$50,000				\$50,000	Construction	\$50,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$50,000				\$50,000	Other	
						Total Cost	\$50,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CR 320, MP 320-78112, CP 78112

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 320, Zim Sod Farm Driveway over judicial ditch.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$100,000				\$100,000	Construction	\$100,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$100,000				\$100,000	Other	
						Total Cost	\$100,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, Turn Lanes, CSAH 37, SAP 69-637-019, CP 8301

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay, Turn Lanes of CSAH 37 from CSAH 43 (south) to CSAH 44.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$1,600,000		\$1,600,000	Construction	\$1,600,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,600,000		\$1,600,000	Other	
						Total Cost	\$1,600,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CSAH 3, SAP 69-603-??, CP 22589

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 3, 50' N. of Skyline Parkway W. intersection on CSAH 3 over Sargent Creek.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$200,000		\$200,000	Construction	\$200,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$200,000		\$200,000	Other	
						Total Cost	\$200,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Complete Rebuild, CSAH 3, SAP 69-603-11, CP 8175

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 3 from 0.1 mi. S. of Haile Rd. to Blacktop Plant.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$1,800,000		\$1,800,000	Construction	\$1,800,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,800,000		\$1,800,000	Other	
						Total Cost	\$1,800,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 43, MP 43-21430, CP 21430

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 43 from CSAH 4 to CSAH 34 (Howard Gnesen Rd.).

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$600,000				\$600,000	Construction	\$600,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$600,000				\$600,000	Other	
						Total Cost	\$600,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CR 444, SP 69-00186, CP 9326

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CR 444 at the BNSF RR Xing 1.5 miles north of C.R. 799, USDOT #061255N.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$22,500		\$202,500		\$225,000	Construction	\$225,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$22,500		\$202,500		\$225,000	Other	
						Total Cost	\$225,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR 447, SAP 69-598-033, CP 1834

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on C.R. 447 (Tamminen Rd.) 0.5 miles north of C.R. 452 over W. Two River.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$60,000			\$240,000	\$300,000	Construction	\$300,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$60,000			\$240,000	\$300,000	Other	
						Total Cost	\$300,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CSAH 44, SAP 69-644-22, CP 9573

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 44, Over Indian Creek.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$300,000		\$300,000	Construction	\$300,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$300,000		\$300,000	Other	
						Total Cost	\$300,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 48, MP 48-1019, CP 1019

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 48 from C.R. 223 (Munger Shaw Rd.) to Bridge over Cloquet River.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$1,440,000				\$1,440,000	Construction	\$1,440,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$1,440,000				\$1,440,000	Other	
						Total Cost	\$1,440,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CSAH 48, SAP 69-648-26, CP 8273

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 48 from CSAH 6 to TH #53.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$4,250,000		\$4,250,000	Construction	\$4,250,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$4,250,000		\$4,250,000	Other	
						Total Cost	\$4,250,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CR 492, SAP 69-598-034, CP 1818

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on C.R. 492 (Anton Rd.) 0.7 miles west of TH 73 over Sturgeon River.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$120,000			\$480,000	\$600,000	Construction	\$600,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$120,000			\$480,000	\$600,000	Other	
						Total Cost	\$600,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CR 500, SP 69-598-30, CP 8573

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on C.R. 500, over Little Fork River 0.5 miles W. of CSAH 25.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$140,000		\$560,000		\$700,000	Construction	\$700,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$140,000		\$560,000		\$700,000	Other	
						Total Cost	\$700,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR 558, MP 558-1296, CP 1296

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR 558 from T.H. #135 to CSAH 21.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$700,000				\$700,000	Construction	\$700,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$700,000				\$700,000	Other	
						Total Cost	\$700,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Reconstruct Buchanan Historical Site, SP 69-661-015, CP 10272

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To restore historically significant wayside rest area.

Description & Location

Reconstruct Buchanan Historical Site located 0.6 miles South of Lake County Line on CSAH 61 (North Shore Scenic Drive).

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

None.

Energy Conservation Considerations, if applicable

None.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$405,554		\$405,554	Construction	\$405,554
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$405,554		\$405,554	Other	
						Total Cost	\$405,554

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Culvert Construction, CSAH 61, MP 61-61895, CP 61895

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct culvert on CSAH 61, 1.25 Mi to 1.3 Mi E of CSAH 50.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$50,000				\$50,000	Construction	\$50,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$50,000				\$50,000	Other	
						Total Cost	\$50,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Culvert Construction, CSAH 61, MP 61-61896, CP 61896

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct culvert on CSAH 61, 0.5 Mi E to 0.6 Mi E of CSAH 33.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$100,000				\$100,000	Construction	\$100,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$100,000				\$100,000	Other	
						Total Cost	\$100,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Culvert Construction, CSAH 61, MP 61-61897, CP 61897

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct culvert on CSAH 61, 0.6 Mi E of CSAH 50 to 0.8 Mi E of CSAH 50.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$50,000				\$50,000	Construction	\$50,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$50,000				\$50,000	Other	
						Total Cost	\$50,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CR 623, MP 623-91417, CP 91417

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CR 623 from SE of the NE of Sect. 9 T60 R12 to Dunka River Bridge.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$900,000	\$900,000	Construction	\$900,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$900,000	\$900,000	Other	
						Total Cost	\$900,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CSAH 66, MP 66-97040, CP 97040

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 66, 0.25 miles W. of CSAH 25 to CSAH 25.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$150,000				\$150,000	Construction	\$150,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$150,000				\$150,000	Other	
						Total Cost	\$150,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR 697, MP 697-97043, CP 97043

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR 697 from T.H. 169 to T.H. 169.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$800,000				\$800,000	Construction	\$800,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$800,000				\$800,000	Other	
						Total Cost	\$800,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Traffic Signals, CSAH 6, SP 69-606-018, CP 8300

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To improve safety and traffic capacity at the intersections indicated.

Description & Location

Construction of traffic signals on the intersection of CSAH 6 (Maple Grove Rd.) & Stebner Rd. (MSA 103).

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New, more efficient traffic signals should reduce electrical costs. Additional turn lanes and striping will need to be maintained.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor. LED lights will be used in the traffic signals, reducing energy costs. Traffic flow and capacity will be improved, reducing delay and wasted fuel.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$540,000	\$60,000		Construction	\$600,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$540,000	\$60,000		Other	
						Total Cost	\$600,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 77, SP 69-677-009, CP 1277

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 77 from T.H. 169 to CSAH 104.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$800,000		\$800,000	Construction	\$800,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$800,000		\$800,000	Other	
						Total Cost	\$800,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CR 796, SAP 69-598-037, CP 83767

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 796, 0.25 mi So. of Jct CSAH 21 to 0.35 So. of Jct CSAH 21 over Embarrass River.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$100,000	\$400,000	\$500,000	Construction	\$500,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$100,000	\$400,000	\$500,000	Other	
						Total Cost	\$500,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, TWP 8127, SAP 69-599-026, CP 38652

Department: Public Works Contact: James T. Foldesi Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on TWP 8127, Br 7893 0.9 mi East of Jct CSAH 5 over Shannon River.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$400,000	\$400,000	Construction	\$400,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$400,000	\$400,000	Other	
						Total Cost	\$400,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, TWP 8131, MP 8131-78093, CP 78093

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on TWP 8131, 0.1 miles S. of CR 471 (Page Rd.).

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$15,000	\$15,000	Construction	\$15,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$15,000	\$15,000	Other	
						Total Cost	\$15,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CSAH 83, MP 83-61894, CP 61894

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 83, 0.45 to 0.55 Mi. S of CR 436.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$20,000				\$20,000	Construction	\$20,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$20,000				\$20,000	Other	
						Total Cost	\$20,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CR 840, MP 840-86089, CP 86089

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 840, 1.2 miles East of TH #73 over McCarty Creek.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$125,000				\$125,000	Construction	\$125,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$125,000				\$125,000	Other	
						Total Cost	\$125,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CSAH 87, SP 69-00188, CP 21439

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CSAH 87 at the DWP RR Xing 1.2 miles east of TH #53, USDOT #260166V.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011			\$250,000		\$250,000	Construction	\$250,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$250,000		\$250,000	Other	
						Total Cost	\$250,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CSAH 95, MP 95-61843, CP 61843

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 95, 0.6 miles W. of CR 336 OVER EMBARRASS RIVER.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$450,000				\$450,000	Construction	\$450,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$450,000				\$450,000	Other	
						Total Cost	\$450,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, CR 962, SAP 69-598-035, CP 1819

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 962 (N. Airport Rd.), 0.2 miles south of CSAH 5 over Bearskin River.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$100,000			\$400,000	\$500,000	Construction	\$500,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$100,000			\$400,000	\$500,000	Other	
						Total Cost	\$500,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CR 990, SAP 69-600-22, CP 9252

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CR 990 from Cedar Lake Rd. from C.R. 781 to Lake County Line.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$523,674	\$523,674	Construction	\$523,674
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$523,674	\$523,674	Other	
						Total Cost	\$523,674

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CSAH 9, SAP 69-609-037, CP 8579

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 9, 0.1 miles west of 15th Ave. E. over Chester Creek in Duluth. C.B. #915.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011				\$500,000	\$500,000	Construction	\$500,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$500,000	\$500,000	Other	
						Total Cost	\$500,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Rumble Stripes, Various County highways, SP 88-070-016, CP 92761

Department: Public Works Contact: James T. Foldesi Extension: 3840

Start Year: 2011

End Year: 2011

Purpose & Justification

To improve the safety at various locations throughout the county by preventing run-off-the-road accidents.

Description & Location

Placing rumble stripes on various paved County highways.

Attachments
Prepared:

Effect on Operating Budget

Will allow us to place more edge striping using the local levy budget and will extend the life of the pavement markings.

Energy Conservation Considerations, if applicable

May allow us to extend the life of pavement markings, requiring less frequent applications.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011	\$42,700		\$549,000		\$610,000	Construction	\$610,000
2012						Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL						Other	
						Total Cost	\$610,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 116 MP 116-1284, CP 1284

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 116 from 0.5 miles N. of CR 803(Passi Rd.) to 4.5 miles N. of CR 803 (end of bit)

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$800,000
2012	\$800,000				\$800,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$800,000				\$800,000	Other	
						Total Cost	\$800,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 16, SAP 69-616-047, CP 9298

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 16 from CSAH 5 to CSAH 25

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$1,500,000
2012			\$1,500,000		\$1,500,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,500,000		\$1,500,000	Other	
						Total Cost	\$1,500,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 21, SAP 69-621-030, CP 9311

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 21 from Twp Rd. 6411 (Niemi Rd.) to CSAH 70

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$3,187,500
2012			\$3,187,500		\$3,187,500	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$3,187,500		\$3,187,500	Other	
						Total Cost	\$3,187,500

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR 849 MP 849-78113, CP 78113

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 849, 0.4 miles N. of CR 266

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$50,000
2012	\$50,000				\$50,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$50,000				\$50,000	Other	
						Total Cost	\$50,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bituminous Overlay, CR 294, MP 294-1022, CP 1022

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Overlay of CR 294 from From CSAH 43 to Fredenberg Town Line.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$75,000
2012	\$75,000				\$75,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$75,000				\$75,000	Other	
						Total Cost	\$75,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Complete Rebuild, CSAH 43, SAP 69-643-014, CP 8214

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 43 from CSAH 48 to CSAH 4.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$6,006,373
2012			\$6,006,373		\$6,006,373	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$6,006,373		\$6,006,373	Other	
						Total Cost	\$6,006,373

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CR 452, SP 69-00190, CP 9319

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CR 452 at the DM&IR RR Xing 1/10 mile east of C.R. 313, USDOT #252014D.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$250,000
2012	\$25,000		\$225,000		\$250,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$25,000		\$225,000		\$250,000	Other	
						Total Cost	\$250,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 56, MP 56-1025, CP 1025

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 56 from CSAH 98 (Canosia Rd.) to 0.5 miles west of CSAH 13 (Midway Rd.)

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$1,300,000
2012	\$1,300,000				\$1,300,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$1,300,000				\$1,300,000	Other	
						Total Cost	\$1,300,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR 629 MP 629-1487, CP 1487

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR 629 from CSAH 132 northeasterly 2 miles to the Fayal Town Line

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$500,000
2012	\$500,000				\$500,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$500,000				\$500,000	Other	
						Total Cost	\$500,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 74, MP 74-1481, CP 1481

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 74 from C.R. 472 (Lueckem Rd.) to T.H. 53

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$1,250,000
2012	\$1,250,000				\$1,250,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$1,250,000				\$1,250,000	Other	
						Total Cost	\$1,250,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, TR 8157 MP 8157-24413, CP 24413

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on TR 8157, 1.5 miles west of TH 53 over Johnson Creek

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$130,000
2012				\$130,000	\$130,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$130,000	\$130,000	Other	
						Total Cost	\$130,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, TR 8157 MP 8157-34030, CP 34030

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on TR 8157, 0.4 miles west of TH 53 over the Rice River

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$20,000
2012				\$20,000	\$20,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL				\$20,000	\$20,000	Other	
						Total Cost	\$20,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR 837 MP 837-86142, CP 86142

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 837, 0.4 miles W. of CR 834

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$150,000
2012	\$150,000				\$150,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$150,000				\$150,000	Other	
						Total Cost	\$150,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bituminous Overlay, CR 859, MP 859-1178, CP 1178

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Overlay of CR 859 from From CSAH 6(Maple Grove Rd.) to T.H. #194.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$625,000
2012	\$625,000				\$625,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$625,000				\$625,000	Other	
						Total Cost	\$625,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CR 874, SP 69-00189, CP 8576

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CR 874 at the DM&IR RR Xing 0.1 miles north of C.R. 871, USDOT #251923P.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$250,000
2012	\$25,000		\$225,000		\$250,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$25,000		\$225,000		\$250,000	Other	
						Total Cost	\$250,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 87, MP 87-1283, CP 1283

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 87 from T.H. 53 to CR 421 (Sassass Rd.)

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$700,000
2012	\$700,000				\$700,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$700,000				\$700,000	Other	
						Total Cost	\$700,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CSAH 91, SAP 69-691-020, CP 8269

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 91 from DM&IR RR Xing to CSAH 56.

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	10000000
2012			\$4,412,984	\$5,587,016	10000000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$4,412,984	\$5,587,016	10000000	Other	
						Total Cost	10000000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Guard Rail, Various County highways, SP 69-030-015, CP 14253

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To improve the safety at various locations throughout the county by protecting vehicles from hazardous objects through the installation of guardrail.

Description & Location

Placing guard rail at various locations on county highways.

Attachments Prepared:

Effect on Operating Budget

Will require us to maintain more guard rail locations.

Energy Conservation Considerations, if applicable

NA

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$350,000
2012			\$350,000		\$350,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$350,000		\$350,000	Other	
						Total Cost	\$350,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Guard Rail, Various County highways, SP 69-030-018, CP 22478

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To improve the safety at various locations throughout the county by protecting vehicles from hazardous objects through the installation of guardrail.

Description & Location

Placing guard rail at various locations on county highways.

Attachments Prepared:

Effect on Operating Budget

Will require us to maintain more guard rail locations.

Energy Conservation Considerations, if applicable

NA

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$269,728
2012	\$269,728				\$269,728	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$269,728				\$269,728	Other	
						Total Cost	\$269,728

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Guard Rail, Various County highways, SP 69-030-???, CP 97050

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To improve the safety at various locations throughout the county by protecting vehicles from hazardous objects through the installation of guardrail.

Description & Location

Placing guard rail at various locations on county highways.

Attachments Prepared:

Effect on Operating Budget

Will require us to maintain more guard rail locations.

Energy Conservation Considerations, if applicable

NA

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$200,000
2012			\$200,000		\$200,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL			\$200,000		\$200,000	Other	
						Total Cost	\$200,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, Various MP ?????, CP ?????

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2012

End Year: 2012

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridges on various roads.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$850,000
2012	\$850,000				\$850,000	Consulting	
2013						Furnishing/Equip	
2014						Contingency	
TOTAL	\$850,000				\$850,000	Other	
						Total Cost	\$850,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Mill & Overlay, Edge Drains CSAH 10, SP 69-610-006, CP 8237

Department: Public Works Contact: James T. Foldesi Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Mill & Overlay of CSAH 10 from CSAH 36 (Arnold Rd.) to CSAH 37 (Tied with CSAH 9 Project).

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$1,100,000
2012						Consulting	
2013			\$1,100,000		\$1,100,000	Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,100,000		\$1,100,000	Other	
						Total Cost	\$1,100,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Complete Rebuild, CSAH 146, SAP 69-746-0??, CP 8297

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 146 from Van Buren Ave. to Hat Trick Ave. in Eveleth

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$800,000
2012						Consulting	
2013			\$800,000		\$800,000	Furnishing/Equip	
2014						Contingency	
TOTAL			\$800,000		\$800,000	Other	
						Total Cost	\$800,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CSAH 147, SAP 69-747-0??, CP 8298

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 147 from Douglas Ave to Van Buren Ave. in Eveleth

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$1,500,000
2012						Consulting	
2013			\$1,500,000		\$1,500,000	Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,500,000		\$1,500,000	Other	
						Total Cost	\$1,500,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Complete Rebuild, CSAH 16, SAP 69-616-048, CP 9296

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 16 from TH #73 to CR 444

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$4,500,000
2012						Consulting	
2013			\$4,500,000		\$4,500,000	Furnishing/Equip	
2014						Contingency	
TOTAL			\$4,500,000		\$4,500,000	Other	
						Total Cost	\$4,500,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CR 186, SP 69-00???, CP 97087

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CR 186 at the BNSF RR Xing 0.20 miles north of US #2, USDOT #097751L near Floodwood.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$275,000
2012						Consulting	
2013	\$27,500		\$247,500		\$275,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$27,500		\$247,500		\$275,000	Other	
						Total Cost	\$275,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 24, MP 24-9291, CP 9291

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 24 from Twp. Rd. #4517 (Rapp Rd.) to CR 426 (Susan Lake Rd.)

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$600,000
2012						Consulting	
2013	\$600,000				\$600,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$600,000				\$600,000	Other	
						Total Cost	\$600,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 44, MP 44-1023, CP 1023

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 44 from CSAH 34 (Howard Gnesen Rd.) to CSAH 37 (Jean Duluth Rd.)

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$1,000,000
2012						Consulting	
2013	\$1,000,000				\$1,000,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$1,000,000				\$1,000,000	Other	
						Total Cost	\$1,000,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CSAH 59, SP 69-00???, CP 97084

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CSAH 59 at the CN RR Xing at the intersection of CR 542, USDOT #260112P near Melrude.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$220,000
2012						Consulting	
2013			\$220,000		\$220,000	Furnishing/Equip	
2014						Contingency	
TOTAL			\$220,000		\$220,000	Other	
						Total Cost	\$220,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 65, MP 65-97089, CP 97089

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 65 from CSAH 25 to CSAH 106(Old TH #53)

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$2,250,000
2012						Consulting	
2013	\$2,250,000				\$2,250,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$2,250,000				\$2,250,000	Other	
						Total Cost	\$2,250,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR 797, MP 797-78115, CP 78115

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 797, 0.7 Miles North of JCT CR 969

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$20,000
2012						Consulting	
2013	\$20,000				\$20,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$20,000				\$20,000	Other	
						Total Cost	\$20,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR 797, MP 797-78117, CP 78117

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 797, 0.1 Miles North of JCT CR 969

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$20,000
2012						Consulting	
2013	\$20,000				\$20,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$20,000				\$20,000	Other	
						Total Cost	\$20,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 7, SP 69-607-045, CP 9310

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 7 from CSAH. 101 to TH #169

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$2,350,000
2012						Consulting	
2013			\$2,350,000		\$2,350,000	Furnishing/Equip	
2014						Contingency	
TOTAL			\$2,350,000		\$2,350,000	Other	
						Total Cost	\$2,350,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, Twp. Rd. 8110, MP 8110-1753, CP 1753

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on Twp. Rd. 8101, 0.1 Miles South of CSAH 115 over Little Fork River

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$100,000
2012						Consulting	
2013				\$100,000	\$100,000	Furnishing/Equip	
2014						Contingency	
TOTAL				\$100,000	\$100,000	Other	
						Total Cost	\$100,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CSAH 88, SAP 69-688-009, CP 9577

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 88, Over Burntside River

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$550,000
2012						Consulting	
2013			\$550,000		\$550,000	Furnishing/Equip	
2014						Contingency	
TOTAL			\$550,000		\$550,000	Other	
						Total Cost	\$550,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR 969, MP 969-78133, CP 78133

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 969, 0.4 Miles South of JCT CR 797

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$20,000
2012						Consulting	
2013	\$20,000				\$20,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$20,000				\$20,000	Other	
						Total Cost	\$20,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CR 969, MP 969-78144, CP 78144

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CR 969, 0.1 Miles West of JCT CR 797

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$20,000
2012						Consulting	
2013	\$20,000				\$20,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$20,000				\$20,000	Other	
						Total Cost	\$20,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 96, MP 96-1486, CP 1486

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 96 from CSAH 132 to CSAH 97

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$900,000
2012						Consulting	
2013	\$900,000				\$900,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$900,000				\$900,000	Other	
						Total Cost	\$900,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Mill & Overlay, Edge Drains CSAH 9, SAP 69-609-032, CP 8236

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Mill & Overlay of CSAH 9 from CSAH 4 to CSAH 36 (Arnold Rd.) (Tied with CSAH 10 Project).

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$1,300,000
2012						Consulting	
2013			\$1,300,000		\$1,300,000	Furnishing/Equip	
2014						Contingency	
TOTAL			\$1,300,000		\$1,300,000	Other	
						Total Cost	\$1,300,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Bridge Construction, County Wide CP 10030

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Bridge Projects County Wide

**Attachments
Prepared:**

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$1,400,000
2012						Consulting	
2013	\$1,400,000				\$1,400,000	Furnishing/Equip	
2014						Contingency	
TOTAL	\$1,400,000				\$1,400,000	Other	
						Total Cost	\$1,400,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Guard Rail, Various County highways, SP 69-030-???, CP 97115

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2013

End Year: 2013

Purpose & Justification

To improve the safety at various locations throughout the county by protecting vehicles from hazardous objects through the installation of guardrail.

Description & Location

Placing guard rail at various locations on North St. Louis County highways.

Attachments Prepared:

Effect on Operating Budget

Will require us to maintain more guard rail locations.

Energy Conservation Considerations, if applicable

NA

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$200,000
2012						Consulting	
2013			\$200,000		\$200,000	Furnishing/Equip	
2014						Contingency	
TOTAL			\$200,000		\$200,000	Other	
						Total Cost	\$200,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 133, SP 69-733-024, CP 1263

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 133 from T.H. #73 to County Road #496 (Western Ave.) in Meadowlands.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$3,700,000
2012						Consulting	
2013						Furnishing/Equip	
2014	\$2,700,000		\$1,000,000		\$3,700,000	Contingency	
TOTAL	\$2,700,000		\$1,000,000		\$3,700,000	Other	
						Total Cost	\$3,700,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 14, MP 14-94576, CP 94576

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 14 from C.R. 898(Lindahl Rd.) to Skyline Blvd.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$600,000
2012						Consulting	
2013						Furnishing/Equip	
2014	\$600,000				\$600,000	Contingency	
TOTAL	\$600,000				\$600,000	Other	
						Total Cost	\$600,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR 162, MP 162-1230, CP 1230

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR 162 from C.R. 694 (Ridgeview Rd.) to CSAH 9. Frontage roads along CSAH 4.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$190,000
2012						Consulting	
2013						Furnishing/Equip	
2014	\$190,000				\$190,000	Contingency	
TOTAL	\$190,000				\$190,000	Other	
						Total Cost	\$190,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Complete Rebuild, CSAH 16, SAP 69-616-046, CP 9297

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

A complete rebuild of CSAH 16 from CR 444 to CSAH 5.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface, subgrade and drainage improvements will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) may be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$6,000,000
2012						Consulting	
2013						Furnishing/Equip	
2014			\$6,000,000		\$6,000,000	Contingency	
TOTAL			\$6,000,000		\$6,000,000	Other	
						Total Cost	\$6,000,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 21, SP 69-621-031, CP 9312

Department: Public Works Contact: James T. Foldesi Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 21 from T.H. #135 to Twp Rd. 6411 (Niemi Rd.).

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$3,037,500
2012						Consulting	
2013						Furnishing/Equip	
2014			\$3,037,500		\$3,037,500	Contingency	
TOTAL			\$3,037,500		\$3,037,500	Other	
						Total Cost	\$3,037,500

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 22, SAP 69-622-???, CP 9313

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 22 from Itasca County Line to CSAH 5.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$1,400,000
2012						Consulting	
2013						Furnishing/Equip	
2014			\$1,400,000		\$1,400,000	Contingency	
TOTAL			\$1,400,000		\$1,400,000	Other	
						Total Cost	\$1,400,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 33, MP 33-1240, CP 1240

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 33 from CSAH 43 (Lismore Rd.) to CSAH 40 (Pioneer Rd.).

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$600,000
2012						Consulting	
2013						Furnishing/Equip	
2014	\$600,000				\$600,000	Contingency	
TOTAL	\$600,000				\$600,000	Other	
						Total Cost	\$600,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 45, MP 45-94661, CP 94661

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 45 from Carlton County Line to CSAH 13 (Midway Rd.).

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$350,000
2012						Consulting	
2013						Furnishing/Equip	
2014	\$350,000				\$350,000	Contingency	
TOTAL	\$350,000				\$350,000	Other	
						Total Cost	\$350,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CSAH 52, SP 69-00??, CP 8577

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CSAH 52 at the BNSF RR Xing 0.8 miles west of CSAH 7, USDOT #061246P.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$250,000
2012						Consulting	
2013						Furnishing/Equip	
2014			\$250,000		\$250,000	Contingency	
TOTAL			\$250,000		\$250,000	Other	
						Total Cost	\$250,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CSAH 73, MP 73-94660, CP 94660

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CSAH 73 from CSAH 13(Midway Rd.) to C.R. 898(Lindahl Rd.)(Tie with Adj. Proj.).

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$250,000
2012						Consulting	
2013						Furnishing/Equip	
2014	\$250,000				\$250,000	Contingency	
TOTAL	\$250,000				\$250,000	Other	
						Total Cost	\$250,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Railroad Crossing Improvement, CSAH 7, SP 69-00??, CP 97090

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To improve the safety of the railroad/highway grade crossing.

Description & Location

Upgrade inplace warning devices on CSAH 7 at the CN RR Xing at the intersection of CSAH 101, USDOT #252070K near Mountain Iron.

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

New warning devices will hopefully prevent accidents, reducing the amount of resources required to respond to these incidents.

Energy Conservation Considerations, if applicable

New devices typically incorporate LED lights, which use less energy.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$400,000
2012						Consulting	
2013						Furnishing/Equip	
2014			\$400,000		\$400,000	Contingency	
TOTAL			\$400,000		\$400,000	Other	
						Total Cost	\$400,000

Date project estimate last updated: 1/2010

Form 12**ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM****PROJECT NAME:** Reclaim & Overlay, CR 898, MP 898-94662, CP 94662

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reclaim & Overlay of CR 898 from CSAH 73 (Old Hwy. 61) to CSAH 19 (St. Louis River Rd.)

Attachments Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

Recycled asphalt pavement (RAP) shall be used in the construction of the aggregate base. RAP may also be used in the new bituminous pavement to a maximum percentage of 30%, at the discretion of the contractor.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$690,000
2012						Consulting	
2013						Furnishing/Equip	
2014	\$690,000				\$690,000	Contingency	
TOTAL	\$690,000				\$690,000	Other	
						Total Cost	\$690,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, CSAH 97, SAP 69-697-005, CP 9589

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Reconstruct bridge on CSAH 97 (Ajax Rd.) 0.5 miles west of CSAH 4.

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$550,000
2012						Consulting	
2013						Furnishing/Equip	
2014			\$80,000	\$470,000	\$550,000	Contingency	
TOTAL			\$80,000	\$470,000	\$550,000	Other	
						Total Cost	\$550,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Bridge Construction, County Wide CP ????

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To preserve and protect the investment in our county highway infrastructure.

Description & Location

Bridge Projects County Wide

Attachments
Prepared:

See attached maps series titled "St. Louis County 5 Year CIP Road & Bridge Construction"

Effect on Operating Budget

A new bridge and driving surface will reduce the amount of resources required to maintain the roadway in a condition acceptable to the driving public.

Energy Conservation Considerations, if applicable

The use of recycled materials may be utilized on the project.

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$500,000
2012						Consulting	
2013						Furnishing/Equip	
2014	\$500,000				\$500,000	Contingency	
TOTAL	\$500,000				\$500,000	Other	
						Total Cost	\$500,000

Date project estimate last updated: 1/2010

Form 12

ST. LOUIS COUNTY 2010-2014 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME: Guard Rail, Various County highways, SP 69-030-???, CP 97114

Department: Public Works

Contact: James T. Foldesi

Extension: 3840

Start Year: 2014

End Year: 2014

Purpose & Justification

To improve the safety at various locations throughout the county by protecting vehicles from hazardous objects through the installation of guardrail.

Description & Location

Placing guard rail at various locations on county highways.

Attachments Prepared:

Effect on Operating Budget

Will require us to maintain more guard rail locations.

Energy Conservation Considerations, if applicable

NA

Year	Property Tax	Bonding	Federal/State	Other	Total	Cost Breakdown	Total Cost
2010						Land Acquisition	
2011						Construction	\$200,000
2012						Consulting	
2013						Furnishing/Equip	
2014			\$200,000		\$200,000	Contingency	
TOTAL			\$200,000		\$200,000	Other	
						Total Cost	\$200,000

Date project estimate last updated: 1/2010