

Office Copy

THOMAS L. JUDGE
GOVERNOR



STATE OF MONTANA
DEPARTMENT OF HIGHWAYS

HELENA, MONTANA 59601

H. J. ANDERSON
DIRECTOR OF HIGHWAYS

January 21, 1975

IN REPLY REFER TO:

RECEIVED

36-SCK
RF 144(10)
Glasgow Lighting

JAN 22 1975

ENVIRONMENTAL QUALITY
COUNCIL

Executive Director
Environmental Quality Council
Capital Station
Helena, Montana 59601

Gentlemen:

Enclosed for your information are two (?) copies of the Agency Impact Determination for the above subject project, as approved by the Federal Highway Administration.

Very truly yours,

H. J. ANDERSON
DIRECTOR OF HIGHWAYS

BY: *Stephen C. Kologi*
Stephen C. Kologi, P.E.
Chief-Preconstruction Bureau

36-SCK:AGZ:DVS:sk

Enclosure

GEORGE VUCANOVICH, CHAIRMAN
HELENA

Wm. M. KESSNER, VICE CHAIRMAN
BLACK EAGLE

G. R. COONEY
BUTTE

P. L. BACHELLER
BILLINGS

JAY LA LONDE
SIDNEY



STATE OF MONTANA
DEPARTMENT OF HIGHWAYS

HELENA, MONTANA 59601

H. J. ANDERSON
DIRECTOR OF HIGHWAYS

January 2, 1975

IN REPLY REFER TO:

36-SCK
RF 144(10)
Glasgow Lighting
REF: 08-30.1

U. S. Department of Transportation
Federal Highway Administration
Helena, Montana 59601

Gentlemen:

This Agency Impact Determination is being submitted for your concurrence that an Environmental Impact Statement or Negative Declaration is not required for this non major action.

1. DESCRIPTION OF THE PROPOSED HIGHWAY IMPROVEMENT AND ITS SURROUNDINGS

A. Location and Description of the Project

The location of the project is at the intersection of U.S. 2 and Secondary 247, approximately 1.4 miles east of Glasgow, Montana. A two lane to four lane transition is located 600 feet to the east of the intersection. The four lane portion of the roadway presently has raised median curb installed on it.

The work to be completed will consist of installing seven 250 watt sodium vapor luminaries. The light level obtained from the seven luminaires will be 1.0 average maintained foot candles as AASHO recommends. An eight inch amber flashing beacon will also be installed on this project.

The land use in the immediate area of this project is agricultural.

B. Purpose of the Project

This project was requested by City Officials. Their concern for this project is indicated in the enclosed letter.

At the present time there is no existing lighting at this intersection. The principle purpose of street and highway lighting is to produce quick, accurate, and comfortable seeing conditions at night. These qualities of seeing combine to safeguard and facilitate vehicular traffic.

Seeing is done with eyes, muscles, nerves, and mind. The drivers internal condition depends upon and is effected by the external seeing conditions provided for highway travel at night. Easy, quick, and accurate seeing conditions tend to lessen fatigue, decrease muscular and nervous tension, and improve driver efficiency,

GEORGE VUCANOVICH, CHAIRMAN
HELENA

U.S. Department of Transportation
RF 144(10)
Glasgow Lighting

and improve driver efficiency, confidence, reaction judgement, and behavior.

Generally speaking, good lighting encourages night use of streets and highways, particularly major arteries and allows a higher night speed than would be practical on unlighted routes. Economic benefits include improved business activity and reduced night accident frequency.

Visibility distances at night are materially increased by the installation of fixed lighting. The contour and alignment of the roadway and the location and identification of objects in the drivers path are revealed to the driver at a substantially greater distance than his own headlights would penetrate. At these distances the lighted roadway also serves as a background to minimize the effect of oncoming vehicle headlamps and to improve judgements of speed and direction of vehicles.

Objects may be discerned by contrast in brightness with background, by recognition of surface detail and glint, or by combinations of these. The degree of seeing is effected by size, shape, and color of object, time for observation glare and the drivers adaption level.

2. PROBABLY ENVIRONMENTAL IMPACT

This lighting project is located in an agricultural area, therefore we can foresee no significant environmental impact. As pointed out earlier, there are many advantages to lighting of an area, thus making the roadway safer for motorists.

The power used by the luminaires and flasher will be slightly less than the power used by the average home per month. This will be approximately 503 kilowatt hours per month.

3. PROBABLE ADVERSE ENVIRONMENTAL EFFECTS WHICH CANNOT BE AVOIDED

We can foresee no significant adverse environmental effects which will be caused by this project.

4. ALTERNATIVES

The "No Build" alternative was considered, but it was decided that the insufficient lighting in this area with raised median would continue to be hazardous to motorists.

5. THE RELATIONSHIP BETWEEN SHORT-TERM USES OF MANS ENVIRONMENT AND THE MAINTENANCE AND ENHANCEMENT OF LONG-TERM PRODUCTIVITY

The traffic pattern should not be changed during the construction phase of the work, as all of the work can be completed on the edge of the roadway.

No natural or man made features of the surrounding land will be changed.

Wildlife will not be effected by this project, and no water or air pollution problems are foreseen.

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6. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES

There will be no significant effect upon the natural and cultural resources of the area.

7. REGIONAL AND COMMUNITY GROWTH

Land use will remain essentially the same, i.e., a agricultural area. Lighting can increase the nighttime safety of an area.

8. CONSERVATION AND PRESERVATION

Soil erosion, park, recreational areas, wildlife, waterfowl refuges, historic and natural landmarks are not involved in this project.

9. PUBLIC FACILITIES AND SERVICES

Religious, health, educational facilities, fire protection, and other emergency services will not be affected directly; the lighting project will make the roadway safer for anyone involved in these facilities and services.

10. COMMUNITY COHESION

No additional right-of-way will be required by this project.

Land value should not increase due to this project and, therefore, will not increase the tax base.

11. DISPLACEMENT OF PEOPLE, BUSINESSES OR FARMS

There will be no displacement of people, businesses or farms due to this project.

The project is not expected to significantly affect the employment situation except for a possible temporary increase in employment for the duration of construction.

12. AIR, NOISE, AND WATER POLLUTION

Some air and noise pollution may occur during construction of this project, but it should not be significant.

This project does not meet the requirements for review of projects as established by the Environmental Protection Agency. Their concern for air quality generally begins when the 10 year projected daily traffic counts increase 10,000 vehicles per day.

This project is not in conflict with the State's Implementation Plan for achieving Federal ambient air quality standards and we concur with the Department of Health and Environmental Sciences determination that this project will not have a significant adverse effect upon air quality of the area.

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 RF 144(10)
 Glasgow Lighting

PPM 90-2 states that noise studies are not required on lighting projects. However, a preliminary noise study was conducted for this project using the "Interpretation of PPM 90-2" dated May 4, 1973. The Transportation Systems Center's Monograph was used to determine that all buildings in the area of the project are located far enough from the roadway to be below the commercial level of $L_{10} = 75$ dBA and the residential level of $L_{10} = 70$ dBA.

13. AESTHETICS AND OTHER VALUES

"View of the Road" and "View from the Road" will be improved during the dark hours. Motorists will be able to see the roadway and intersection more clearly, thus improving sight distance and safety.

The cost of the project will be far out weighed by the advantages gained from a facility with such greatly improved qualities as safety and efficiency.

BASIS FOR AGENCY IMPACT DETERMINATION

Based on the foregoing, it is felt that the proposed project will not significantly affect the environment and does not warrant the preparation of an Environmental Impact Statement or a Negative Declaration.

Your early return of a signed copy of this Determination will be appreciated.

Very truly yours,

H. J. ANDEPSON
 DIRECTOR OF HIGHWAYS

BY: Stephen C. Kologi
 Stephen C. Kologi, P.E.
 Chief-Preconstruction Bureau

36-SCK:AGZ:DVS:sk

Enclosure

I concur

H. N. Stewart
 H. N. Stewart, Division Engineer
 Federal Highway Administration

Date

1-15-75

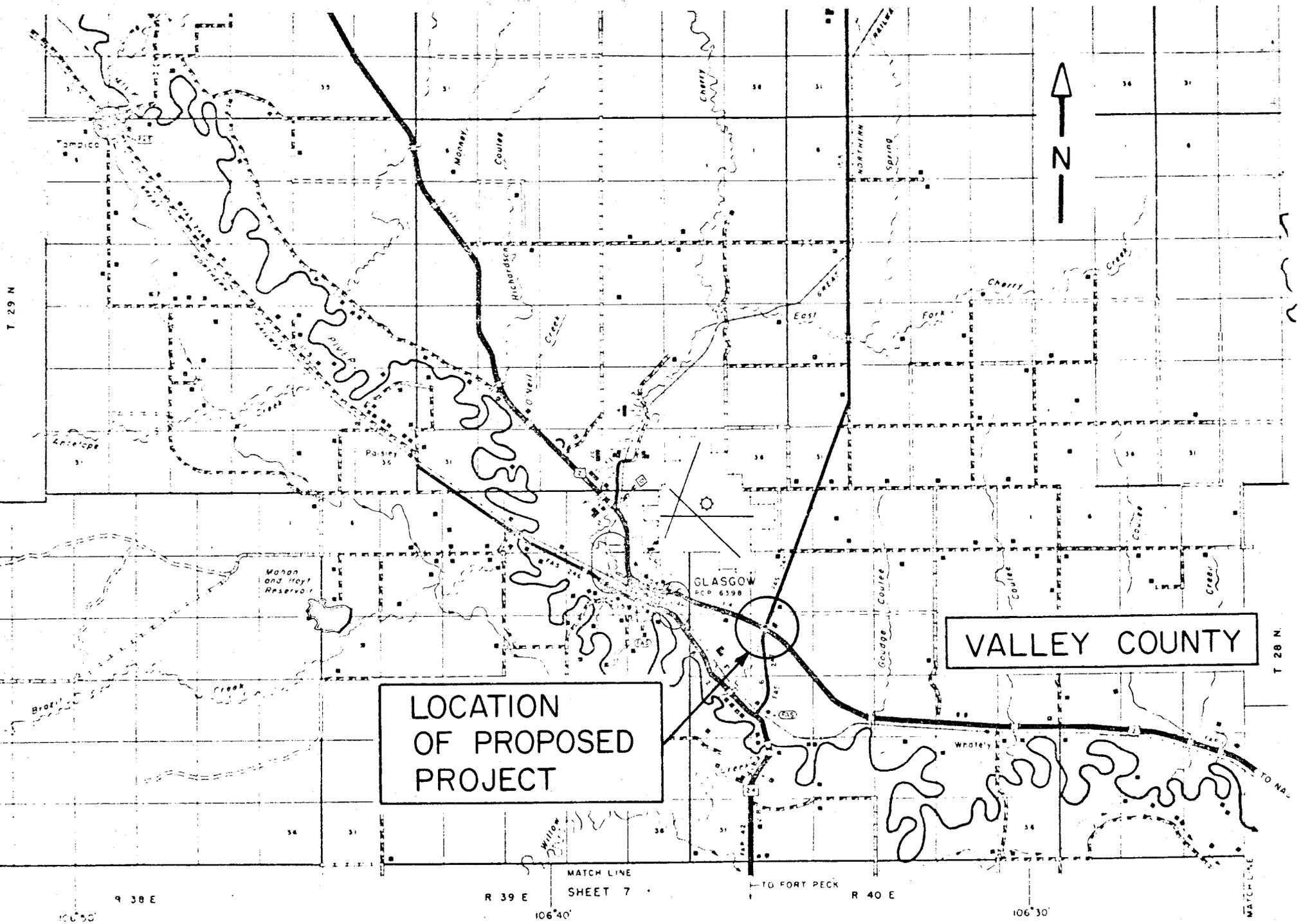
Initial																				
Attach																				
MAIL ROUTE	30																			
	30	Eng. Specialties																		
	31	Contract Plans																		
	32	Loc. Road Design																		
	33	Environmental																		
	34	Hydraulic																		
	35	Surrounding Design																		
	36	Photogrammetry																		
	37	Traffic																		
	37	Pub. Hearing																		
38	Sec. - Urban																			
39	Consultant Design																			
Info																				
File																				

Complete Recd. Preconst. 1-16-75

Ken Borden

1-15-75

FILED



LOCATION OF PROPOSED PROJECT

VALLEY COUNTY

GLASGOW
PCP 6398

MATCH LINE
SHEET 7

TO FORT PECK

MATCH LINE
TO N.D.

Robert J. ... Chief of Police
Don ... Police Magistrate
Paul Hoffman, Attorney
Drent W. Magill, Engineer

152

Jack C. Schye, 1st Ward
... 1st Ward
... 2nd Ward
... 2nd Ward
Doyle L. ... 3rd Ward
James L. Hine, 3rd Ward

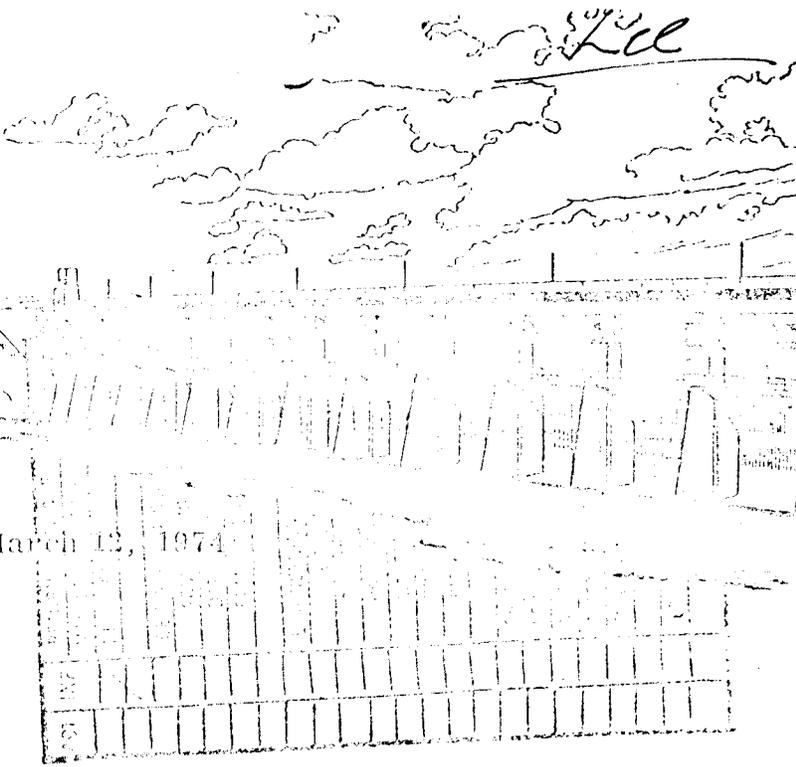
CITY OF Glasgow

GLASGOW, MONTANA 59230

JAMES O. CHRISTINSON, MAYOR
RAMONA M. TOW
City Clerk and Finance Officer

RECEIVED
MAR 12 1974
HELENA, MONTANA

March 12, 1974



Mr. H. J. Anderson
Director of Highways
State of Montana
Helena, Montana 59601

Re: Intersection U. S. Highway No. 2
and State No. 247 near Glasgow

Dear Mr. Anderson:

In response to repeated requests from local citizens and civic organizations, the City of Glasgow wishes to call your attention to an extremely dangerous intersection lying east of Glasgow on U. S. Highway No. 2 where it intersects with Montana State Highway No. 247. One fatality and innumerable collision accidents and "near misses" demonstrate that it is imperative that this intersection be well lighted during all hours of darkness.

At the present time a flashing caution light is in operation so, electric power is available at the site.

Highway No. 247 carries very heavy traffic twelve months of the year at all hours of the day. It serves international traffic flowing into Canada; a large agriculture community in northern Valley and Daniels Counties; commuter traffic to Opheim, Montana, Opheim Radar Station and Glasgow Air Force Base. It likewise intersects with Route No. 24 through Ft. Peck to other points in Montana.

Configuration of this intersection is such that it constitutes a continuing threat to highway travelers whether they be strangers to the area or local citizens.

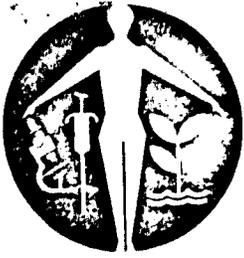
We believe correction of this situation deserves highest possible priority, and will look forward to cooperating with you in instituting corrective measures as quickly as possible.

Very truly yours,

[Handwritten Signature]
President, City Council

JLH:ms

Gateway To Fort Peck Recreation Area



Department of Health and Environmental Sciences
STATE OF MONTANA HELENA, MONTANA 59601

John S. Anderson M.D.
DIRECTOR

December 11, 1974

Stephen C. Kologi, P.E.
Chief, Preconstruction Bureau
Department of Highways
Sixth and Roberts Streets
Helena, MT 59601

Re: 36-SCK Flasher, Sign
and Lighting Projects

Dear Mr. Kologi:

We concur that flasher, signing and/or lighting projects should have no adverse effects on air quality. Until further notice, we will not need to be advised of action on these projects.

Sincerely,

R. Clark Neilson
Air Pollution Control Specialist
Air Quality Bureau

RCN:dmg

Date Recd. Preconst. <u>12-13-74</u>			
Act	Info	MAIL ROUTE	Attach Initial
		30	
	<input checked="" type="checkbox"/>	30 Eng. Specialties	
		31 Construction	
	<input checked="" type="checkbox"/>	32 Loc. Road Design	
		33 Environmental	
		34 Hydraulic	
		35 Surfacing Design	
		35 Photogrammetry	
	<input checked="" type="checkbox"/>	36 Traffic	
	<input checked="" type="checkbox"/>	37 Pub. Hearing	
		38 Soc. - Urban	
		39 Consultant Design	
	<input checked="" type="checkbox"/>	File	

Called Bob Hall 9/25-

Glasgow Lighting Project

History of accidents at this intersection

THOMAS L. JUDGE
GOVERNOR



STATE OF MONTANA
DEPARTMENT OF HIGHWAYS

HELENA, MONTANA 59601

H. J. ANDERSON
DIRECTOR OF HIGHWAYS

September 20, 1974

IN REPLY REFER TO:

RECEIVED

SEP 24 1974

ENVIRONMENTAL QUALITY
COUNCIL

36-SCK
RF 144(10)
Glasgow Lighting
Intersection of
U.S. 2 & Mont. 247
Letter of Intent

Environmental Quality Council
Director
P. O. Box 215, Capital Post Office
Helena, Montana 59601

Dear Sir:

This is to inform you of a lighting project near Glasgow, Montana. The project is located at the intersection of Highways U.S. 2 and Montana 247 approximately 2 miles east of Glasgow. The work to be completed will consist of installing seven 400 watt mercury vapor luminaires. The nominal luminaire mounting height will be 40 feet. An 8 inch amber flashing beacon will also be installed on this project.

The land use in the immediate area of this project is agricultural.

Our purpose in writing you is to let you know about the project and to ask that you advise us of anything which you know of about the area or of anything planned for the area that might help us in our design. Any views or opinions either for or against the project will also be appreciated. It is our opinion that the project should not adversely affect the environment to any great extent. We plan to prepare a Negative Declaration rather than an Environmental Impact Statement. However, any information or comments relating to environmental matters that you might furnish would be appreciated and utilized.

The enclosed map shows the location of the proposed project and the immediate area surrounding the project.

(Cont'd)

GEORGE VUCANOVICH, CHAIRMAN
HELENA

WILLIAM KESSNER, JR., CHAIRMAN
BOZEMAN

G. R. EDDNEY
BUTTE

P. L. BACHELLER
BILLINGS

JAY LA LONDE
SIDNEY

Letter of Intent
September 20, 1974

RF 144(10)
Glasgow Lighting
Intersection of
U.S. 2 & Mont. 247

The enclosed list indicates those agencies and individuals to which this letter is being sent. If you are aware of other agencies or groups that might be affected or concerned and are not on the list, please let us know and we will contact them.

Very truly yours,

H. J. ANDERSON
DIRECTOR OF HIGHWAYS

BY: 
Stephen C. Kologi, P.E.
Chief-Preconstruction Bureau

36-SCK:AGZ:DVS:sk

Enclosures

cc: J. R. Beckert
R. E. Champion
D. D. Anderson
V. D. Borden
K. F. Skoog
K. W. Anderson
L. L. Cloninger
H. G. Wheeler
Robert Hall

Montana Automobile Association
Box 1703
Helena, Montana 59601

Ashley C. Roberts
State Liaison Officer for the
Preservation of Historic Sites
Department of Fish and Game
Sam Mitchell Building
Helena, Montana 59601

U.S. Department of Transportation
Federal Highway Administration
501 North Fee
Helena, Montana 59601

U. S. Coast Guard
Commander (mep)
Thirteenth Coast Guard
618 Second Avenue
Seattle, Washington 98104

Director
Department of Natural Resources
and Conservation
32 South Ewing
Helena, Montana 59601

Environmental Quality Council
Director
Box 215, Capital Post Office
Helena, Montana 59601

Department of Anthropology
Montana State University
Bozeman, Montana 59715

Department of Anthropology
University of Montana
Missoula, Montana 59801

Department of the Army
Omaha District
Corps of Engineers
7410 U.S. Post Office and Courthouse
Omaha, Nebraska 68102

Commissioner
Department of State Lands
State Capitol Building, Room 130
Helena, Montana 59601

Montana Chamber of Commerce
P. O. Box 1730
Helena, Montana 59601

Department of Transportation
Federal Aviation Administration
FAA Building, Room 2
Helena Airport
Helena, Montana 59601

Friends of the Earth
ATTENTION: Ed Dobson
Box 882
Billings, Montana 59102

The State Clearinghouse
Office of Budget and Program Planning
Capital Post Office
Helena, Montana 59601

Montana League of Conservation Voters
Box 80
ATTENTION: William Tomlinson
Missoula, Montana 59801

Department of Health, Education and Welfare
9017 Federal Office Building
19th and Stout Street
Denver, Colorado 80202

Economic Development Administration
Chicago Title Building
909-17th Street, Suite 505
Denver, Colorado 80202

Assistant Secretary-Program Policy
Department of the Interior
Washington, D.C. 20240
ATTENTION: Director, Environmental
Project Review (9 Copies)

Center for Planning & Development
Montana State University
Bozeman, Montana 59715

Environmental Protection Agency
Lincoln Tower
Suite 900 - 1860 Lincoln Street
Denver, Colorado 80203

Department of Intergovernmental
Relations - Aeronautics Division
Capital Station
Helena, Montana 59601

Student Environmental Research Center
University of Montana
Room 212, Venture Center
Missoula, Montana 59801

Dept. of Health & Environmental Sciences
Environmental Sciences Division
Administrator
Cogswell Building
Helena, Montana 59601

Department of Fish and Game
Assistant Administrator
Environment and Information Division
Sam W. Mitchell Building
Helena, Montana 59601

Federal Housing Administration
Housing and Urban Development
Director
616 Helena Avenue
Helena, Montana 59601

Montana Broadcasters Association
213 5th Avenue
Helena, Montana 59601

Montana Stockgrowers Association
Secretary
P. O. Box 1679
First National Bank Building
Helena, Montana 59601

Montana Wildlife Federation
Chairwoman, Highway Committee
1015 Peosta
Helena, Montana 59601

Regional Air Pollution Control, Director
Consumer Protection & Environmental
National Air Pollution Control Admin.
9017 Federal Office Building
Denver Colorado 80202

The Wilderness Society
4260 East Evans Avenue
Denver, Colorado 80222

U.S. Department of Agriculture
Office of the Secretary of Agriculture
Washington, D.C. 20250

U.S. Department of Agriculture
State Conservationist
Soil Conservation Service
P. O. Box 970
Bozeman, Montana 59715

U.S. Federal Power Commission
555 Battery Street
San Francisco, California

Board of County Commissioners
Valley County
Glasgow, Montana 59230

Small Business Administration
Power Block
Helena, Montana 59601

Sierra Club
% Mrs. Judy Reynoso
150 Henry
Helena, Montana 59601

Mountain Bell
441 North Park Avenue
Helena, Montana 59601

Documents Department
Montana State Library
930 Lyndale
Helena, Montana 59601

Montana Dakota Utility Company
239 4th Street
Glasgow, Montana 59230

Montana Power Company
Electric Building
Butte, Montana 59701

School District #1
Mr. Gary F. Martin
Superintendent
Glasgow, Montana 59230

Chamber of Commerce
P. O. Box 832
Glasgow, Montana 59230

City County Planning Board
P. O. Box A
Glasgow, Montana 59230

Glasgow Courier
Glasgow, Montana 59230

Honorable James O. Christinson
Major of Glasgow
Glasgow, Montana 59230

United States Postmaster
Valley County
Glasgow, Montana 59230

