

BEFORE THE COUNCIL OF THE  
METROPOLITAN SERVICE DISTRICT

FOR THE PURPOSE OF AUTHORIZING ) RESOLUTION NO. 80-168  
FEDERAL AID INTERSTATE FUNDS TO )  
ADD AN ICE DETECTION SYSTEM TO ) Introduced by the Joint  
THE FREMONT BRIDGE ) Policy Advisory Committee  
on Transportation

WHEREAS, The Metro Council adopted Resolution No. 79-80  
which endorsed the FY 1980 Transportation Improvement Program (TIP);  
and

WHEREAS, The TIP includes projects which utilize Federal  
Aid Interstate funds; and

WHEREAS, The Oregon Department of Transportation (ODOT)  
has requested that the TIP be amended to include a new project which  
will utilize \$138,000 in Federal Aid Interstate funds; and

WHEREAS, This project will provide for installation of Ice  
Detectors on the Fremont Bridge as a means of alerting ODOT  
maintenance forces in a timely manner; and

WHEREAS, Obligation of the funds will take place in FY  
1980; now, therefore,

BE IT RESOLVED,

1. That \$138,000 in Federal Aid Interstate funds be  
authorized for the Fremont Bridge Ice Detection System indentified  
in Exhibit "A."
2. That the TIP and its annual element be amended to  
reflect this authorization.
3. That the Metro Council finds the project in

accordance with the region's continuing, cooperative and comprehensive planning process and hereby gives affirmative A-95 Review approval.

ADOPTED by the Council of the Metropolitan Service District this 24<sup>th</sup> day of July, 1980.

Maryrie Murlin Kapury  
Presiding Officer

BP:bk  
8788/33

# PROJECT INFORMATION FORM - TRANSPORTATION IMPROVEMENT PROGRAM

PORTLAND-VANCOUVER  
METROPOLITAN AREA

## PROJECT DESCRIPTION

RESPONSIBILITY (AGENCY) Oregon Department of Transportation  
 LIMITS Fremont Bridge Ice Detection System, I-405 LENGTH \_\_\_\_\_  
 DESCRIPTION Install ice detectors in the top deck of the Fremont Bridge and its approaches. These detectors will be connected by radio telemetry to State Police Headquarters. The objective is to provide a system to alert ODOT Maintenance forces, through the State Police, of icing conditions on the bridge.

The Fremont Bridge is subject to early icing due to its elevation and because the main span roadway is essentially a steel plate with a wearing surface of asphalt.

PROJECT NAME Fremont Bridge Ice Detection System, I-405  
 ID No FAI405  
 APPLICANT ODOT

## SCHEDULE

TO ODOT \_\_\_\_\_  
 PE OK'D \_\_\_\_\_ EIS OK'D \_\_\_\_\_  
 CAT'Y \_\_\_\_\_ BID LET \_\_\_\_\_  
 HEARING \_\_\_\_\_ COMPL'T \_\_\_\_\_

RELATIONSHIP TO ADOPTED TRANSPORTATION PLAN  
 LONG RANGE ELEMENT \_\_\_\_\_ TSM ELEMENT \_\_\_\_\_

## APPLICANT'S ESTIMATE OF TOTAL PROJECT COST

PRELIM ENGINEERING \$ 5,000  
 CONSTRUCTION 145,000  
 RIGHT OF WAY \_\_\_\_\_  
 TRAFFIC CONTROL \_\_\_\_\_  
 ILLUMIN, SIGNS, LANDSCAPING, ETC \_\_\_\_\_  
 STRUCTURES \_\_\_\_\_  
 RAILROAD CROSSINGS \_\_\_\_\_

## FUNDING PLAN BY FISCAL YEAR (\$000)

	FY 78	FY 79	FY 80	FY 81	FY 82	TOTAL
TOTAL	_____	_____	150	_____	_____	150
FEDERAL	_____	_____	138	_____	_____	138
STATE	_____	_____	12	_____	_____	12
LOCAL	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

TOTAL \$ 150,000

## LOCATION MAP



## SOURCE OF FUNDS (%)

FEDERAL \_\_\_\_\_  
 FAUS (PORTLAND) \_\_\_\_\_  
 FAUS (OREGON REGION) \_\_\_\_\_  
 FAUS (WASH REGION) \_\_\_\_\_  
 UMTA CAPITAL \_\_\_\_\_ UMTA OPRTG \_\_\_\_\_  
 INTERSTATE \_\_\_\_\_ 92  
 FED AID PRIMARY \_\_\_\_\_  
 INTERSTATE \_\_\_\_\_  
 SUBSTITUTION \_\_\_\_\_  
 NON FEDERAL \_\_\_\_\_  
 STATE 8 LOCAL \_\_\_\_\_

THIS 24<sup>th</sup> DAY OF July 1980

Agenda Item 6.2

Cynthia M. Weckman

CLERK OF THE COUNCIL

## A G E N D A M A N A G E M E N T S U M M A R Y

TO: Metro Council  
 FROM: Executive Officer  
 SUBJECT: Authorizing Federal Aid Interstate Funds to Add an Ice  
 Detection System to the Fremont Bridge

Res  
80-168I. RECOMMENDATIONS:

- A. ACTION REQUESTED: Council adoption of the attached Resolution authorizing \$138,000 of Federal Aid Interstate funds to add an Ice Detection System to the Fremont Bridge.
- B. POLICY IMPACT: This action will provide for early detection of icing conditions on the Fremont Bridge and will enable the Oregon Department of Transportation (ODOT) maintenance forces to take timely corrective action. Transportation Policy Alternatives Committee (TPAC) and Joint Policy Advisory Committee on Transportation (JPACT) have reviewed and approved the project.
- C. BUDGET IMPACT: The approved Metro budget funds staff involvement in establishing project priorities and monitoring project implementation.

II. ANALYSIS:

- A. BACKGROUND: The Fremont Bridge is subject to early icing due to its elevation and steel construction. ODOT has requested the Transportation Improvement Program be amended to include this project to install ice detectors on the bridge. These detectors will provide for early warning of icing conditions and enable maintenance forces to take corrective action in advance and to reduce traffic tie-ups.
- B. ALTERNATIVES CONSIDERED: 1) do nothing, or 2) implement the project and improve detection of icing conditions.
- C. CONCLUSION: Metro staff recommends approval of the attached Resolution based on the favorable safety and traffic flow benefits.

BP:bk  
 8787/33