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Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

Consultant Design				
Act	Info	Date 1/10/05 Routing	Attach	Initial
	✓	Bureau Chief		TSM
		Consultant Plans Eng		
		Design Supervisor		
		CTEP Engineer		
		CPS STAFF		
		ALL CONSULTANTS		

Memorandum

To: Distribution

From: Paul Ferry, P.E.
Highways Engineer

Date: January 7, 2005

Subject Title Sheet – Design Data

The Traffic Data Collection Section may provide separate data for different segments of a project if there is a substantial change in traffic volumes or ESALs. If a project has more than one set of data, the data for each segment should be shown separately on the Title Sheet. The reference posts for each segment should be shown with the data.

Contractors need this data for Grade S mix designs. The data may be useful to our construction inspectors and is also useful as a historical record for future reference.

A sample Title Sheet showing two sets of traffic data is attached

If you have questions concerning this, please contact me at 444-6244.

Pf.

Distribution:

Lesly Tribelhorn,	Highways Design Engineer	w/attachment
Damian Krings,	Road Design Engineer	"
Tom Martin,	Consultant Design Engineer	"
Suzy Althof,	Supervisor – Contract Plans Bureau	"
Jim Frank,	Glendive District Engineering Services Supervisor	"
Gary Neville,	Billings District Engineering Services Supervisor	"
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Steve Prinzing,	Great Falls District Engineering Services Supervisor	"
Larry Frideres,	Road Plans Checker	"
Kevin Farry,	Road Plans Checker	

MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT NH 16-1(45)1
MILL, FILL & ADA RAMPS
MAIN STREET – BILLINGS HEIGHTS
YELLOWSTONE COUNTY

LENGTH 6.0 kilometers

SCALES
VERTICAL: NA
HORIZONTAL: 1 : 1000
CROSS SECTION – HORIZONTAL & VERTICAL: NA
REDUCED PRINTS ONE-HALF ORIGINAL SCALE
ALL SCALES ARE APPROXIMATE

DESIGN DATA

RP 1.076-1.895
2002 A.D.T. = 3630
2022 A.D.T. = 4930
D.H.V. = 470
T. = 20%
V. = 70 km/h
80 kN ESAL'S = 272 DAILY
GROWTH RATE = 1.8% ANNUALLY

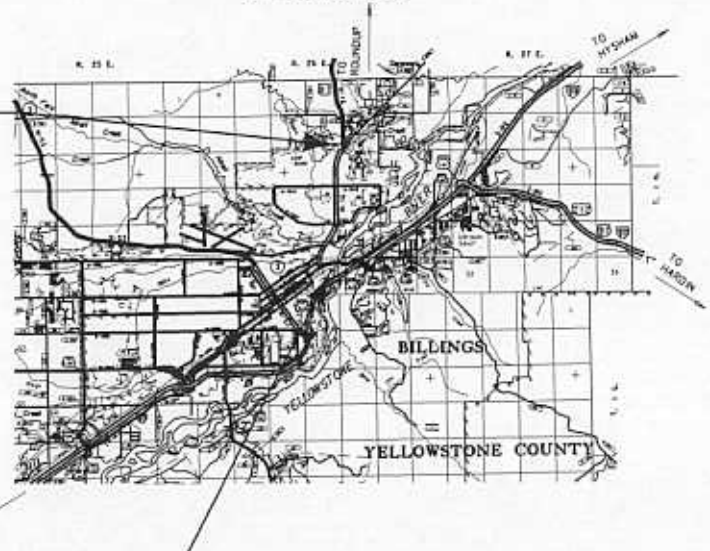
RP 1.895-6.853
2002 A.D.T. = 29440
2022 A.D.T. = 42060
D.H.V. = 4080
T. = 10%
V. = 70 km/h
80 kN ESAL'S = 338 DAILY
GROWTH RATE = 1.8% ANNUALLY

LETTING DATE – _____

SURFACING SOURCES - CONTRACTOR FURNISHED

STA. 45+70.65 (MET)
END NH 16-1(45)1=
STA. 149+95.57 (ENG)
ON F 16-1(13)3

THIS CONTRACT
R.P. 1.076 TO R.P. 4.665



STA. 3+04.80 (MET)
BEG. NH 16-1(45)1=
STA. 10+00.00 (ENG)
ON F 16-1(6)1

RELATED PROJECTS

ASSOCIATED PROJECT AGREEMENT NUMBERS

R.W. & I.C.	
P.E.	NH 16-1(45)

CONTROL NO. 1087

MONTANA DEPARTMENT OF TRANSPORTATION

APPROVED: _____ 19 ____

DAVID A. GALT
DIRECTOR OF TRANSPORTATION

BY _____

PRECONSTRUCTION ENGINEER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____

DIVISION ADMINISTRATOR — DATE